



# Products

## 2010

## Welcome to ruck ventilatoren

We are pleased to present to you our extended catalogue and price list. The program was expanded by new, innovative products. Likewise we clearly increased the information content.

The upcoming challenges caused by the climate and energy discussions, require from all of us to place a much greater emphasis on possible energy savings, without losing focus on the profitability.

For the conversion of these goals more attention must be given to the following points:

1. The efficiency of the fans must be increased
2. The design of equipment and fans must be improved
3. Intelligent control systems for need-based air performance control.

In this context, we want to point your attention to our innovative product finder at: [www.ruck.eu](http://www.ruck.eu). Within seconds you can locate cost and consumption efficient fans.

For comments or questions, our sales team or me personally are at your disposal.

**Gerhard Ruck**



Subject to technical modification

|                                           |                          |                                                                                                      |
|-------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| Size/duct connection dimension            | 250 mm                   | Currency                                                                                             |
| Product Name                              | EL 250 E2 01             | Price                                                                                                |
| Part ID                                   | ID 112382                |                                                                                                      |
| Voltage/Frequency                         | 230V ~/50Hz              | 55 °C                                                                                                |
| Air Volume max.                           | 1720 m³/h                | 180 W                                                                                                |
| Max. operating current                    | 1,0 A                    | 71/75/52 db(A)                                                                                       |
|                                           |                          | Maximum Medium Temperature                                                                           |
|                                           |                          | Max. power consumption                                                                               |
|                                           |                          | Sound power level Inlet/Outlet/Casing outbreak                                                       |
| Individual accessories, parts ID & prices | TEE 015                  | ID 115893                                                                                            |
|                                           | TES 145                  | ID 111858                                                                                            |
|                                           | GS 01                    | ID 102787                                                                                            |
| Product Group                             | MYSR. GS 01<br>ID 102787 | Isolator Switch  |

| Type | ID | Voltage<br>U<br>[V] | Frequency<br>f<br>[Hz] | Casing - sound power level<br>L <sub>WA2</sub><br>[dB (A)] | Inlet - sound power level<br>L <sub>WA5</sub><br>[dB (A)] | Δp <sub>s</sub> Total efficiency static<br>η <sub>fa</sub><br>[%] | Δp Total efficiency<br>η <sub>t</sub><br>[%] | Length<br>L<br>[mm] | Width<br>W<br>[mm] | Height<br>H<br>[mm] | Weight<br>[kg] | Wiring diagram<br>Wiring diagram |
|------|----|---------------------|------------------------|------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------|---------------------|--------------------|---------------------|----------------|----------------------------------|
|------|----|---------------------|------------------------|------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------|---------------------|--------------------|---------------------|----------------|----------------------------------|

## Legend

DV = DX-Coil  
 D<sub>Ges</sub> = Total insertion attenuation [db(A)]  
 D... = Insertion attenuation at ...Hz [db(A)]  
 DN = Nominal Diameter [mm]  
 f = Frequency [Hz]  
 I<sub>A</sub> = Output current FU [A]  
 ID = Part ID  
 IP = Protection Class  
 I<sub>max</sub> = Max. operating current [A]  
 kvs = Discharge Coefficient [m³/h]  
 L<sub>1</sub> = Etaline  
 L<sub>2</sub> = Short diffuser  
 L<sub>3</sub> = Sound diffuser

L<sub>WA2</sub> = Casing - sound power level [dB (A)]  
 L<sub>WA5</sub> = Inlet - sound power level [dB (A)]  
 L<sub>WA6</sub> = Outlet - sound power level [dB (A)]  
 P = Capacity heating coil [kW]  
 P<sub>1</sub> = Rated power [W]  
 P<sub>1N</sub> = Max. motor-power consumption [W]  
 PKW = Low Pressure Cold Water (LPCW)  
 P<sub>stat.</sub> = Static Pressure [Pa]  
 P<sub>max</sub> = Maximum Output [PkW]  
 P<sub>V</sub> = Efficiency loss FU [W]  
 p<sub>W</sub> = Water pressure loss [kPa]  
 PWW = Low Pressure Hot Water (LPHW)  
 Q = Heating Capacity [kW]

Q = Heating Capacity [W]  
 r. H. = Relative humidity [%]  
 RR = Number of rows  
 t<sub>La</sub> = Air out temperature [°C]  
 t<sub>Le</sub> = Air in temperature [°C]  
 t<sub>U</sub> = Max. ambient temperature [°C]  
 t<sub>We</sub> = Water in temperature [°C]  
 t<sub>Wa</sub> = Water out temperature [°C]  
 t<sub>W</sub> = Water Temperature [°C]  
 U = Voltage [V]  
 U<sub>A</sub> = Output voltage [V]  
 U<sub>max</sub> = Maximum Voltage [V]  
 U<sub>N</sub> = Nominal voltage [V]

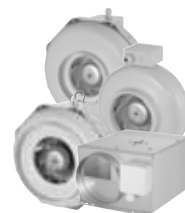
Vac = AC Voltage  
 Vdc = DC Voltage  
 V = Air volume [m³/h]  
 V<sub>L</sub> = Air volume referred to 20 °C [m³/h]  
 V<sub>W</sub> = Water volume [m³/h]  
 Δp<sub>pv</sub> = Stat. Pressure loss [Pa]  
 ΔT = Temperature rise [K]  
 ΔP<sub>stat.</sub> = Static pressure increase [Pa]  
 η<sub>fa</sub> = Total efficiency static [%]  
 η<sub>t</sub> = Total efficiency [%]  
 η<sub>TE</sub> = Efficiency Heat Exchanger Temperature [%]

**ETALINE**

|            |                                          |               |             |
|------------|------------------------------------------|---------------|-------------|
| <b>EL</b>  | <b>ETALINE</b> the energy saving fan     | ...20240 m³/h | 6 - 13      |
| <b>ELK</b> | Rectangular duct fan with <b>ETALINE</b> | ...10050 m³/h | NEW 14 - 16 |
| <b>ELQ</b> | Exhaust fan box with <b>ETALINE</b>      | ...4830 m³/h  | NEW 18 - 19 |


**In Line Tube Fans**

|               |                                                       |              |         |
|---------------|-------------------------------------------------------|--------------|---------|
| <b>RS</b>     | <b>Metal In Line Tube Fan</b>                         | ...1770 m³/h | 20 - 22 |
| <b>RK</b>     | <b>Plastic In Line Tube Fan</b>                       | ...1170 m³/h | 23 - 25 |
| <b>RK...S</b> | <b>Plastic In Line Tube Fan</b> with 4-speed          | ...1130 m³/h | 26 - 28 |
| <b>RKW</b>    | <b>Plastic In Line Tube Fan</b> , temperature control | ...1130 m³/h | 29 - 31 |
| <b>MINI</b>   | <b>Compact Fan Box</b> , swing out design             | ...1540 m³/h | 32 - 34 |


**Sound Insulated Fan Boxes**

|                  |                                                                         |              |         |
|------------------|-------------------------------------------------------------------------|--------------|---------|
| <b>ISOTX</b>     | <b>Partially Insulated Fan Box</b> , forward curved impeller            | ...2740 m³/h | 35 - 37 |
| <b>ISOT</b>      | <b>Fully Insulated Fan Box</b> , forward curved impeller                | ...6020 m³/h | 38 - 40 |
| <b>ISOZ</b>      | <b>Fully Insulated Fan Box</b> , standby motor, forward curved impeller | ...2660 m³/h | 41 - 43 |
| <b>ISORX...S</b> | <b>Partially Insulated Fan Box</b> , backward curved impeller, 4-speed  | ...1100 m³/h | 44 - 45 |
| <b>ISOR</b>      | <b>Fully Insulated Fan Box</b> , backward curved impeller               | ...4390 m³/h | 46 - 48 |


**Duct Fans**

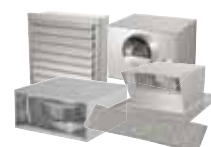
|             |                                                            |               |         |
|-------------|------------------------------------------------------------|---------------|---------|
| <b>KVT</b>  | <b>Duct Fan</b> , forward curved impeller                  | ...9640 m³/h  | 49 - 52 |
| <b>KVR</b>  | <b>Duct Fan</b> , backward curved impeller                 | ...10090 m³/h | 53 - 55 |
| <b>KVRI</b> | <b>Fully Insulated Duct Fan</b> , backward curved impeller | ...10220 m³/h | 56 - 57 |


**Exhaust Fans (commercial)**

|                 |                                                           |               |         |
|-----------------|-----------------------------------------------------------|---------------|---------|
| <b>MPC</b>      | <b>Versatile Exhaust Fan</b>                              | ...12190 m³/h | 58 - 61 |
| <b>MPC...TW</b> | <b>Flexible Exhaust Fan</b> , motor outside of air stream | ...12190 m³/h | 62 - 63 |
| <b>MPS</b>      | <b>Kitchen Exhaust Fan</b> , voltage controllable         | ...7210 m³/h  | 66 - 67 |
| <b>MPS...F</b>  | <b>Exhaust Fan</b> , with integrated frequency converter  | ...6740 m³/h  | 68 - 69 |


**Exhaust Fans for Kitchen Hoods (domestic)**

|            |                                                 |              |         |
|------------|-------------------------------------------------|--------------|---------|
| <b>ZKG</b> | <b>Forward Curved Impeller</b> , 4 speed motor  | ...740 m³/h  | 70 - 71 |
| <b>IWG</b> | <b>Backward Curved Impeller</b> , 4 speed motor | ...1010 m³/h | 70 - 71 |
| <b>AWG</b> | <b>Backward Curved Impeller</b> , 4 speed motor | ...1170 m³/h | 70 - 71 |
| <b>ZDG</b> | <b>Backward Curved Impeller</b> , 4 speed motor | ...1170 m³/h | 70 - 71 |



### Roof Fans

|                |                                                          |               |             |
|----------------|----------------------------------------------------------|---------------|-------------|
| <b>DVA</b>     | <b>Roof Fan</b>                                          | ...8080 m³/h  | 72 - 73     |
| <b>DVA...P</b> | <b>Roof Fan</b> with isolator switch                     | ...8080 m³/h  | 74 - 75     |
| <b>DVN</b>     | <b>Roof fan</b> , kitchen exhaust up to 120°C            | ...11830 m³/h | NEW 76 - 78 |
| <b>DVNI</b>    | <b>Roof fan</b> , insulated, kitchen exhaust up to 120°C | ...11830 m³/h | NEW 79 - 81 |



### Supply and Exhaust/Air Handling Units

|            |                                                                                    |              |         |
|------------|------------------------------------------------------------------------------------|--------------|---------|
| <b>FFH</b> | <b>Compact Supply Unit</b> , filter, fan, electric heater, integrated control unit | ...1070 m³/h | 82 - 83 |
| <b>SL</b>  | <b>SLIGHTLINE</b> , Supply and Extract Unit, for ceiling void installation         | ...4640 m³/h | 84 - 99 |



### AHU with heat recovery

|            |                                                                      |              |           |
|------------|----------------------------------------------------------------------|--------------|-----------|
| <b>ETA</b> | <b>AHU</b> with plate heat exchanger (counter cross flow/cross flow) | ...950 m³/h  | 100 - 103 |
| <b>FG</b>  | <b>AHU</b> with crossflow plate heat exchanger                       | ...2850 m³/h | 104 - 121 |
| <b>RL</b>  | <b>ROTOLINE</b> , AHU with rotating heat wheel                       | ...8240 m³/h | 122 - 147 |



### Electric Heater

|            |                                |               |
|------------|--------------------------------|---------------|
| <b>EHM</b> | <b>electric heater battery</b> | NEW 148 - 149 |
|------------|--------------------------------|---------------|



### Accessories

|                              |           |
|------------------------------|-----------|
| Mechanical                   | 150 - 158 |
| Electrical                   | 159 - 165 |
| Wiring diagrams              | 166 - 169 |
| General terms and conditions | 170 - 171 |







- Mixed Flow Fan with guide vanes
- Integrated thermal contact in 1~ and 3~ motors  
Current monitoring with EC-motors
- Junction box with cable gland IP44 in 1~ motors
- Maintenance-free, long-life ball bearings

### ETALINE saves ENERGY

ETALINE has the highest fan efficiency and thus the lowest power consumption compared to all fans in its power class. The efficiency is about 50 % higher than that of conventional tube fans.

### ETALINE saves SPACE

The high power density of the ETALINE favours compact dimensions-the fan housing is exactly the duct connection. Additional mounting space is not required.

### ETALINE saves MONEY

About 70 % to 90 % of the total costs of a fan are allotted to cost of electricity. With ETALINE these are reduced by more than 30 %! Even more: Despite the superior product feature ETALINE is astonishingly inexpensive.



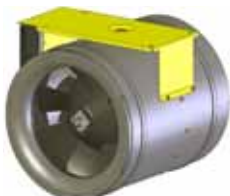
#### Complex blade contours

The exceptional performance data, in particular the unique high fan efficiency, based on the complex blade contours and the continuous meridian channel. This causes a very low loss of energy in the energy transformation of the fan.



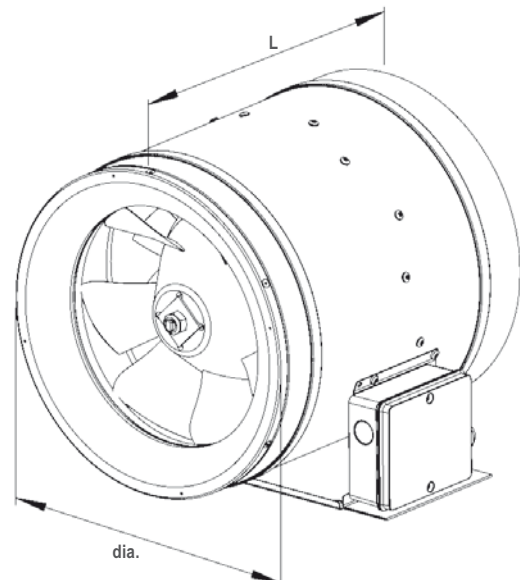
#### Motor protected in hub area

The motors do not have a disruptive effect on the air flow and are protected in the hub. In several executions the motor is completely separated from the air stream.



#### Including mounting bracket

A stable mounting bracket is mounted to the fan.



## EL 230 V, voltage controllable

These fans can be connected directly to a 230 V/50 Hz mains supply, or with a transformer for variable speed regulation. Connection through terminal box

| Type         | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | dia. | L    | Weight | Wiring diagram |
|--------------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|              |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| EL 200 E2 01 | 116527 | 230V ~ | 50   | 59               | 71               | 33,0            | 38,2           | 201  | 225  | 2,9    | 118622         |
| EL 250 E2 06 | 116227 | 230V ~ | 50   | 56               | 74               | 46,9            | 50,4           | 250  | 215  | 5,4    | 118787         |
| EL 250 E2 01 | 112382 | 230V ~ | 50   | 52               | 71               | 44,7            | 48,8           | 250  | 278  | 6,4    | 116403         |
| EL 280 E2 02 | 115334 | 230V ~ | 50   | 56               | 75               | 50,6            | 54,8           | 281  | 308  | 8,3    | 116403         |
| EL 315 E2 03 | 117010 | 230V ~ | 50   | 56               | 75               | 50,6            | 54,8           | 315  | 308  | 8,4    | 116403         |
| EL 315 E2 01 | 112202 | 230V ~ | 50   | 61               | 76               | 51,3            | 55,7           | 315  | 351  | 14,2   | 116495         |
| EL 355 E4 01 | 112369 | 230V ~ | 50   | 48               | 64               | 44,4            | 48,7           | 355  | 396  | 13,5   | 116403         |
| EL 355 E2 01 | 112757 | 230V ~ | 50   | 63               | 79               | 50,6            | 55,0           | 354  | 396  | 17,3   | 116495         |
| EL 400 E4 01 | 119380 | 230V ~ | 50   | 61               | 70               | 46,0            | 50,9           | 403  | 417  | 12,8   | 120751         |
| EL 450 E4 01 | 119336 | 230V ~ | 50   | 66               | 71               | 50,3            | 54,8           | 453  | 467  | 18,4   | 120750         |
| EL 500 E4 01 | 118061 | 230V ~ | 50   | 68               | 75               | 49,8            | 53,9           | 504  | 515  | 23,2   | 120750         |
| EL 560 E4 01 | 119349 | 230V ~ | 50   | 79               | 83               | 49,6            | 54,0           | 564  | 582  | 38,0   | 116495         |
| EL 630 E4 01 | 119324 | 230V ~ | 50   | 79               | 84               | 55,4            | 59,9           | 634  | 655  | 43,1   | 116495         |

## EL for operation with FC

These fans are designed for operation with frequency converters. The sizes 560, 630 and 710 can also be connected directly to 400 V/50 Hz three phase operation. Shielded cable provided Through frequency control the efficiency in partial load is also very high.

| Type         | ID     | U        | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | dia. | L    | Weight | Wiring diagram |
|--------------|--------|----------|------|------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|              |        | [V]      | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| EL 250 D2 01 | 118980 | 230V 3~Y | 65   | 63               | 78               | 51,6            | 55,9           | 315  | 355  | 6,6    | 116460         |
| EL 315 D2 01 | 112759 | 230V 3~Y | 50   | 64               | 76               | 59,4            | 64,0           | 315  | 355  | 15,5   | 116460         |
| EL 355 D2 01 | 112760 | 230V 3~Y | 50   | 67               | 80               | 55,5            | 59,7           | 354  | 396  | 17,5   | 116460         |
| EL 400 D4 01 | 119377 | 230V 3~Y | 75   | 69               | 80               | 53,9            | 59,2           | 403  | 417  | 14,8   | 116460         |
| EL 450 D4 01 | 118570 | 230V 3~Y | 70   | 72               | 82               | 58,6            | 63,3           | 453  | 467  | 18,9   | 116460         |
| EL 500 D4 01 | 117580 | 230V 3~Y | 70   | 79               | 83               | 60,0            | 64,5           | 504  | 515  | 23,6   | 116460         |
|              |        |          |      |                  |                  |                 |                |      |      |        |                |
| EL 400 D2 01 | 119677 | 400V 3~Y | 50   | 88               | 89               | 56,8            | 62,2           | 403  | 417  | 20,3   | 116460         |
| EL 560 D4 01 | 119347 | 400V 3~Y | 50   |                  | 90               | 54,6            | 60,4           | 564  | 582  | 28,0   | 116460         |
| EL 630 D4 01 | 117891 | 400V 3~Y | 50   | 78               | 86               | 62,5            | 67,4           | 634  | 654  | 39,3   | 116460         |
| EL 710 D4 01 | 119356 | 400V 3~Y | 50   | 81               | 90               | 63,0            | 67,3           | 714  | 732  | 49,0   | 116460         |

## EL with EC motors

ETALINE with EC motors are by far the most energy saving fans on the market. Both in full and partial load operation, the fan total efficiency is very high. The ETALINE with EC motors must be operated with a controller, see accessories.

| Type         | ID     | U       | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | dia. | L    | Weight | Wiring diagram |
|--------------|--------|---------|------|------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|              |        | [V]     | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| EL 400 EC 01 | 119384 | 230V ~  | 50   | 78               | 85               | 59,5            | 65,9           | 403  | 416  |        | 119339         |
| EL 450 EC 01 | 119337 | 230V ~  | 50   | 78               | 85               | 65,9            | 72,3           | 453  | 467  |        | 119339         |
| EL 500 EC 01 | 119321 | 400V 3~ | 50   | 81               | 84               | 69,1            | 75,0           | 504  | 515  | 21,3   | 119339         |
| EL 560 EC 01 | 119351 | 400V 3~ | 50   |                  | 90               | 63,3            | 68,8           | 564  | 582  | 31,0   | 119339         |
| EL 630 EC 01 | 119322 | 400V 3~ | 50   | 77               | 86               | 69,4            | 75,3           | 634  | 654  | 38,4   | 119339         |
| EL 710 EC 01 | 119359 | 400V 3~ | 50   | 80               | 88               | 69,7            | 75,3           |      |      |        | 119339         |



**Specific Accessories**  
For details see page: 150

**TEE** ...  
5-Step Transformer  
Without motor protection

**TES** ...  
7-Step Transformer  
Without motor protection

**TEM** ...  
5-Step Transformer  
With motor protection

## EL ETALINE, 230V Voltage controllable

230 V ~, 50 Hz

Voltage controllable

| 200 mm                                                                                                                                                          | 250 mm                                                                                                                                                           | 280 mm                                                                                                                                                           | 315 mm                                                                                                                                                           | 355 mm                                                                                                                                                           |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>EL 200 E2 01</b><br>ID 116527<br><br>230V ~/50Hz 45 °C<br>920 m³/h 100 W<br>0,5 A 71/75/59 db(A)<br><br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | <b>EL 250 E2 06</b><br>ID 116227<br><br>230V ~/50Hz 50 °C<br>1625 m³/h 160 W<br>0,8 A 74/79/56 db(A)<br><br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | <b>EL 280 E2 02</b><br>ID 115334<br><br>230V ~/50Hz 55 °C<br>2360 m³/h 270 W<br>1,6 A 75/79/56 db(A)<br><br><b>TEM 035</b> ID 103502<br><b>TES 035</b> ID 103954 | <b>EL 315 E2 03</b><br>ID 117010<br><br>230V ~/50Hz 55 °C<br>2360 m³/h 270 W<br>1,6 A 75/79/56 db(A)<br><br><b>TEM 035</b> ID 103502<br><b>TES 035</b> ID 103954 | <b>EL 355 E4 01</b><br>ID 112369<br><br>230V ~/50Hz 60 °C<br>2560 m³/h 160 W<br>1,2 A 64/67/48 db(A)<br><br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | MYRUS.  |
|                                                                                                                                                                 | <b>EL 250 E2 01</b><br>ID 112382<br><br>230V ~/50Hz 55 °C<br>1720 m³/h 180 W<br>1,0 A 71/75/52 db(A)<br><br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 |                                                                                                                                                                  | <b>EL 315 E2 01</b><br>ID 112202<br><br>230V ~/50Hz 70 °C<br>3490 m³/h 520 W<br>3,2 A 76/82/61 db(A)<br><br><b>TEM 035</b> ID 103502<br><b>TES 035</b> ID 103954 | <b>EL 355 E2 01</b><br>ID 112757<br><br>230V ~/50Hz 45 °C<br>4960 m³/h 960 W<br>5,4 A 79/84/63 db(A)<br><br><b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957 | MYRUS.  |
| <b>GS 01</b><br>ID 102787                                                                                                                                       | <b>GS 01</b><br>ID 102787                                                                                                                                        | <b>GS 01</b><br>ID 102787                                                                                                                                        | <b>GS 01</b><br>ID 102787                                                                                                                                        | <b>GS 01</b><br>ID 102787                                                                                                                                        | MYSR.   |
| <b>VM 200</b><br>ID 102650                                                                                                                                      | <b>VM 250</b><br>ID 102651                                                                                                                                       | <b>VM 280</b><br>ID 115494                                                                                                                                       | <b>VM 315</b><br>ID 102652                                                                                                                                       | <b>VM 355</b><br>ID 102653                                                                                                                                       | MYMRV.  |
| <b>RSK 200</b><br>ID 102662                                                                                                                                     | <b>RSK 250</b><br>ID 102686                                                                                                                                      |                                                                                                                                                                  | <b>RSK 315</b><br>ID 102664                                                                                                                                      | <b>RSK 355</b><br>ID 102665                                                                                                                                      | MYMR.   |
| <b>RSK 200D</b><br>ID 113487                                                                                                                                    | <b>RSK 250D</b><br>ID 113488                                                                                                                                     |                                                                                                                                                                  | <b>RSK 315D</b><br>ID 113489                                                                                                                                     | <b>RSK 355D</b><br>ID 113491                                                                                                                                     | MYMR.   |
| <b>SG 200 02</b><br>ID 118634                                                                                                                                   | <b>SG 250 02</b><br>ID 112677                                                                                                                                    | <b>SG 280 02</b><br>ID 115066                                                                                                                                    | <b>SG 315 02</b><br>ID 112675                                                                                                                                    | <b>SG 355 02</b><br>ID 112674                                                                                                                                    | MYMRS.  |
| <b>SDS 200</b><br>ID 102719                                                                                                                                     | <b>SDS 250</b><br>ID 102721                                                                                                                                      | <b>SDS 280</b><br>ID 115243                                                                                                                                      | <b>SDS 315</b><br>ID 102723                                                                                                                                      | <b>SDS 355</b><br>ID 102725                                                                                                                                      | MYMRDS. |
| <b>SDF 200</b><br>ID 102704                                                                                                                                     | <b>SDF 250</b><br>ID 102705                                                                                                                                      |                                                                                                                                                                  | <b>SDF 315</b><br>ID 102706                                                                                                                                      | <b>SDF 355</b><br>ID 102707                                                                                                                                      | MYMRDF. |
| <b>FV 200</b><br>ID 112832                                                                                                                                      | <b>FV 250</b><br>ID 112833                                                                                                                                       |                                                                                                                                                                  | <b>FV 315</b><br>ID 112834                                                                                                                                       | <b>FV 355</b><br>ID 112835                                                                                                                                       | MYMRHL. |
| <b>FT 200</b><br>ID 112840                                                                                                                                      | <b>FT 250</b><br>ID 112845                                                                                                                                       |                                                                                                                                                                  | <b>FT 315</b><br>ID 112846                                                                                                                                       | <b>FT 355</b><br>ID 112847                                                                                                                                       | MYMRHO. |
| <b>FTW 200</b><br>ID 112853                                                                                                                                     | <b>FTW 250</b><br>ID 112854                                                                                                                                      |                                                                                                                                                                  | <b>FTW 315</b><br>ID 112855                                                                                                                                      | <b>FTW 355</b><br>ID 112856                                                                                                                                      | MYMRHH. |
|                                                                                                                                                                 | <b>UKR 5025 01</b><br>ID 114638<br>Duct connection 50/25 cm                                                                                                      | <b>UKR 5030 02</b><br>ID 115193<br>Duct connection 50/30 cm                                                                                                      | <b>UKR 6030 03</b><br>ID 114640<br>Duct connection 60/30 cm                                                                                                      | <b>UKR 6035 01</b><br>ID 114641<br>Duct connection 60/35 cm                                                                                                      | MYMKU.  |
|                                                                                                                                                                 | <b>UKR 5030 01</b><br>ID 114639<br>Duct connection 50/30 cm                                                                                                      |                                                                                                                                                                  |                                                                                                                                                                  |                                                                                                                                                                  | MYMKU.  |

**Isolator Switch**

**Fast Clamps**  
1 set = 2 pcs.

**Back Draught Shutter**

**Back Draught Shutter with seal**

**Protection Grille Inlet**

**Duct Silencer rigid, 1 m**

**Duct Silencer flexibel, 1 m**

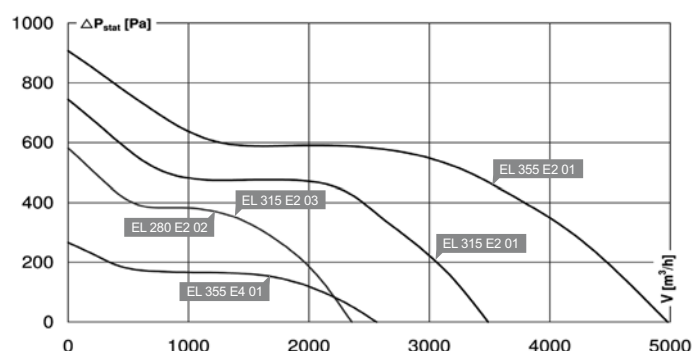
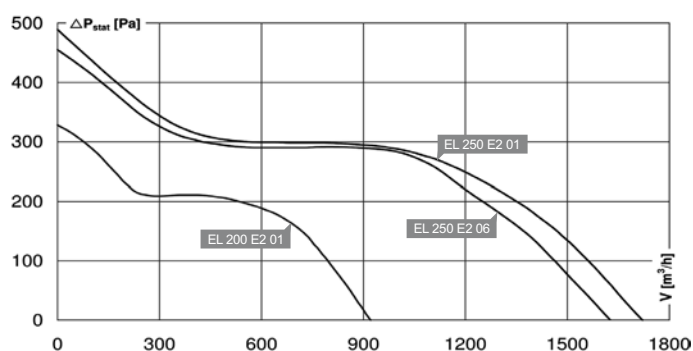
**Filter Box with Mat Filter G3**

**Filter Box for Bag Filter Without filter**

**Filter Box with Filter F5 and Heating Coil**

**Adapter Plate rectangular/round duct**

**Adapter Plate rectangular/round duct**









**Specific Accessories**  
For details see page: 150



**FU ...**  
Frequency Converter



**FU ...**  
Frequency Converter

| 250 mm                                                                                                                                                                 | 315 mm                                                                                                                                                                 | 355 mm                                                                                                                                                                 | 400 mm                                                                                                                                                                                               | 450 mm                                                                                                                                                                 |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>EL 250 D2 01</b><br>ID 118980<br><br>230V 3~Y/65Hz 50 °C<br>2390 m³/h 380 W<br>1,5 A 78/81/63 db(A)<br><br><b>FU 075 03</b> ID 121260<br><b>FU 075 01</b> ID 113988 | <b>EL 315 D2 01</b><br>ID 112759<br><br>230V 3~Y/50Hz 40 °C<br>4230 m³/h 560 W<br>3,0 A 76/83/64 db(A)<br><br><b>FU 075 03</b> ID 121260<br><b>FU 075 01</b> ID 113988 | <b>EL 355 D2 01</b><br>ID 112760<br><br>230V 3~Y/50Hz 60 °C<br>4990 m³/h 920 W<br>3,2 A 80/86/67 db(A)<br><br><b>FU 075 03</b> ID 121260<br><b>FU 075 01</b> ID 113988 | <b>EL 400 D4 01</b><br>ID 119377<br><br>230V 3~Y/75Hz 80 °C<br>5160 m³/h 660 W<br>2,7 A 80/86/69 db(A)<br><br><b>FU 075 03</b> ID 121260<br><b>FU 075 01</b> ID 113988                               | <b>EL 450 D4 01</b><br>ID 118570<br><br>230V 3~Y/70Hz 80 °C<br>7380 m³/h 1.000 W<br>4,4 A 82/87/72 db(A)<br><br><b>FU 15 03</b> ID 121261<br><b>FU 15 01</b> ID 113989 | MERUS. |
|                                                                                                                                                                        |                                                                                                                                                                        |                                                                                                                                                                        | <b>EL 400 D2 01</b><br>ID 119677<br><br>400V 3~Y/50Hz 80 °C<br>6910 m³/h 1.570 W<br>3,2 A 89/95/88 db(A)<br><br><b>FU 30 03</b> ID 121609<br><b>FU 30 04</b> ID 121610<br>Price available on request |                                                                                                                                                                        | MERUS. |



**Isolator Switch**



**Fast Clamps**  
1 set = 2 pcs.



**Back Draught Shutter**



**Back Draught Shutter**  
with seal



**Protection Grille**  
Inlet



**Duct Silencer**  
rigid, 1 m



**Duct Silencer**  
flexibel, 1 m



**Filter Box with Mat Filter G3**



**Filter Box for Bag Filter**  
Without filter



**Filter Box with Filter F5 and**  
**Heating Coil**

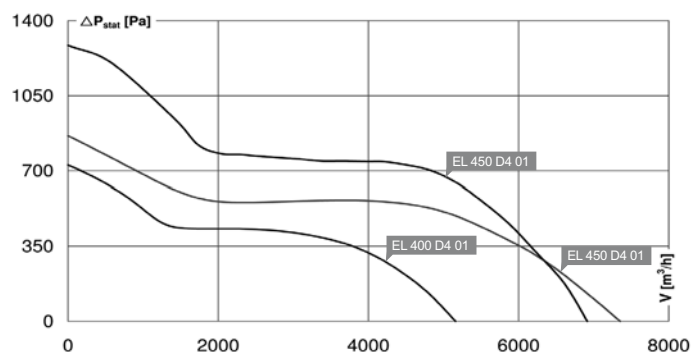
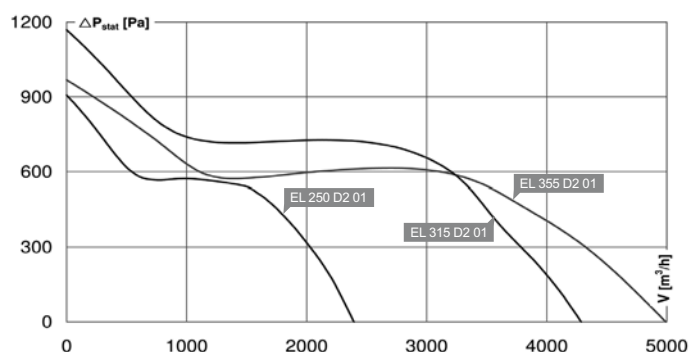


**Adapter Plate**  
rectangular/round duct



**Adapter Plate**  
rectangular/round duct

|                                                             |                                                             |                                                             |                             |                            |         |
|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------------|----------------------------|---------|
| <b>GS 03</b><br>ID 107633                                   | <b>GS 03</b><br>ID 107633                                   | <b>GS 03</b><br>ID 107633                                   | <b>GS 03</b><br>ID 107633   | <b>GS 03</b><br>ID 107633  | MYSR.   |
| <b>VM 250</b><br>ID 102651                                  | <b>VM 315</b><br>ID 102652                                  | <b>VM 355</b><br>ID 102653                                  | <b>VM 400</b><br>ID 102654  | <b>VM 450</b><br>ID 119495 | MYMRV.  |
| <b>RSK 250</b><br>ID 102686                                 | <b>RSK 315</b><br>ID 102664                                 | <b>RSK 355</b><br>ID 102665                                 |                             |                            | MYMR.   |
| <b>RSK 250D</b><br>ID 113488                                | <b>RSK 315D</b><br>ID 113489                                | <b>RSK 355D</b><br>ID 113491                                |                             |                            | MYMR.   |
| <b>SG 250 02</b><br>ID 112677                               | <b>SG 315 02</b><br>ID 112675                               | <b>SG 355 02</b><br>ID 112674                               |                             |                            | MYMRS.  |
| <b>SDS 250</b><br>ID 102721                                 | <b>SDS 315</b><br>ID 102723                                 | <b>SDS 355</b><br>ID 102725                                 | <b>SDS 400</b><br>ID 102727 |                            | MYMRDS. |
| <b>SDF 250</b><br>ID 102705                                 | <b>SDF 315</b><br>ID 102706                                 | <b>SDF 355</b><br>ID 102707                                 | <b>SDF 400</b><br>ID 102708 |                            | MYMRDF. |
| <b>FV 250</b><br>ID 112833                                  | <b>FV 315</b><br>ID 112834                                  | <b>FV 355</b><br>ID 112835                                  |                             |                            | MYMRHL. |
| <b>FT 250</b><br>ID 112845                                  | <b>FT 315</b><br>ID 112846                                  | <b>FT 355</b><br>ID 112847                                  |                             |                            | MYMRHO. |
| <b>FTW 250</b><br>ID 112854                                 | <b>FTW 315</b><br>ID 112855                                 | <b>FTW 355</b><br>ID 112856                                 |                             |                            | MYMRHL. |
| <b>UKR 5025 01</b><br>ID 114638<br>Duct connection 50/25 cm | <b>UKR 6030 03</b><br>ID 114640<br>Duct connection 60/30 cm | <b>UKR 6035 01</b><br>ID 114641<br>Duct connection 60/35 cm |                             |                            | MYMKU.  |
| <b>UKR 5030 01</b><br>ID 114639<br>Duct connection 50/30 cm |                                                             |                                                             |                             |                            | MYMKU.  |



\*For connection to frequency converter

|       | 500 mm                                                           | 560 mm                                                                               | 630 mm                                                                               | 710 mm                                                                               |  |
|-------|------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|
|       | <b>EL 500 D4 01</b><br>ID 117580                                 | <b>EL 560 D4 01</b><br>ID 119347                                                     | <b>EL 630 D4 01</b><br>ID 117891                                                     | <b>EL 710 D4 01</b><br>ID 119356                                                     |  |
| MERUS | 230V 3~Y/70Hz 70 °C<br>9880 m³/h 2.030 W<br>7,1 A 83/93/79 db(A) | 400V 3~Y/50Hz 80 °C<br>10380 m³/h 1.070 W<br>2,8 A 90/93/- db(A)                     | 400V 3~Y/50Hz 70 °C<br>15880 m³/h 2.170 W<br>5,4 A 86/89/78 db(A)                    | 400V 3~Y/50Hz 55 °C<br>20240 m³/h 3.740 W<br>7,7 A 90/93/81 db(A)                    |  |
|       | <b>FU 22 04</b> ID 121262<br><b>FU 22 01</b> ID 117547           | <b>FU 30 03</b> ID 121609<br><b>FU 30 04</b> ID 121610<br>Price available on request | <b>FU 30 03</b> ID 121609<br><b>FU 30 04</b> ID 121610<br>Price available on request | <b>FU 40 03</b> ID 121607<br><b>FU 40 04</b> ID 121608<br>Price available on request |  |

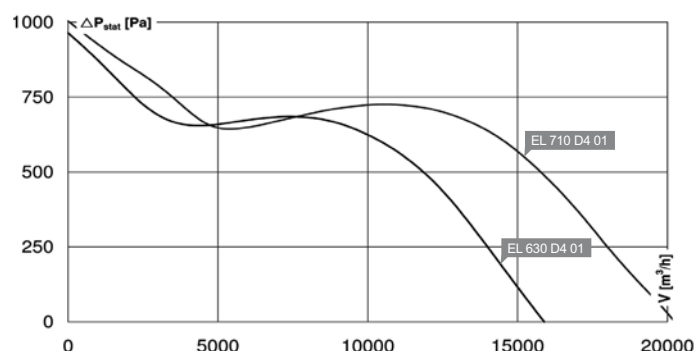
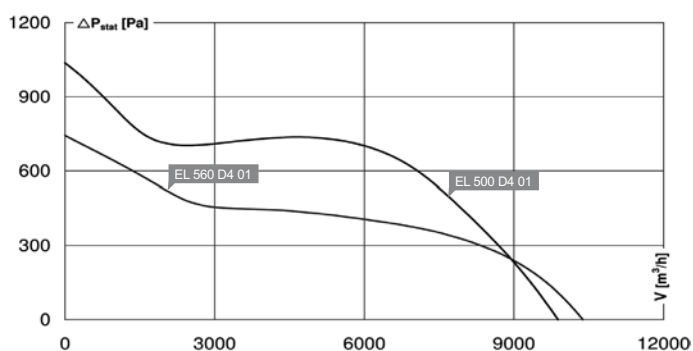

**Specific Accessories**  
 For details see page: 150

**FU ...**  
 Frequency Converter

**FU ...**  
 Frequency Converter


|        |                             |                            |                            |                            |  |
|--------|-----------------------------|----------------------------|----------------------------|----------------------------|--|
| MYSR.  | <b>GS 03</b><br>ID 107633   | <b>GS 03</b><br>ID 107633  | <b>GS 03</b><br>ID 107633  | <b>GS 03</b><br>ID 107633  |  |
| MMRV.  | <b>VM 500</b><br>ID 118094  | <b>VM 560</b><br>ID 119496 | <b>VM 630</b><br>ID 119497 | <b>VM 710</b><br>ID 119498 |  |
| MMRDS. | <b>SDS 500</b><br>ID 118834 |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |
|        |                             |                            |                            |                            |  |

**Isolator Switch**
**Fast Clamps**  
 1 set = 2 pcs.

**Duct Silencer**  
 rigid, 1 m




**Specific Accessories**  
For details see page: 150

| 400 mm                                                         | 450 mm                                                         | 500 mm                                                           | 560 mm                                                          |  |
|----------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------|--|
| <b>EL 400 EC 01</b><br>ID 119384                               | <b>EL 450 EC 01</b><br>ID 119337                               | <b>EL 500 EC 01</b><br>ID 119321                                 | <b>EL 560 EC 01</b><br>ID 119351                                |  |
| 230V ~/50Hz 80 °C<br>7120 m³/h 1.540 W<br>8,8 A 85/91/78 db(A) | 230V ~/50Hz 55 °C<br>8670 m³/h 1.700 W<br>9,9 A 85/91/78 db(A) | 400V 3~/50Hz 55 °C<br>10870 m³/h 1.850 W<br>3,3 A 84/95/81 db(A) | 400V 3~/50Hz 50 °C<br>13080 m³/h 2.450 W<br>4,4 A 90/96/- db(A) |  |
|                                                                |                                                                |                                                                  |                                                                 |  |



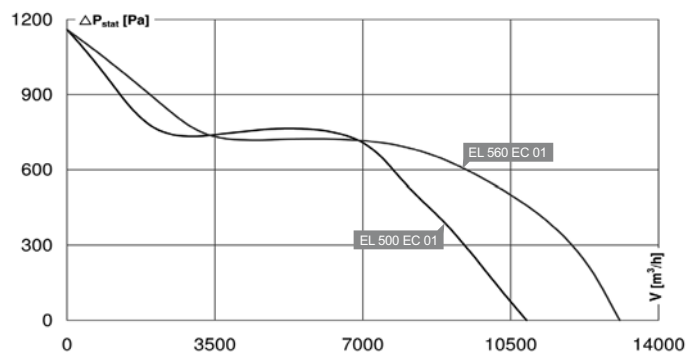
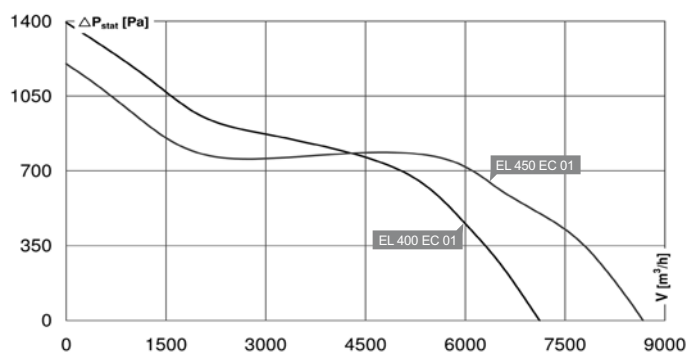
**ECC ...**  
EC-Controller



**GS . . .**  
Isolator Switch



**Fast Clamps**  
1 set = 2 pcs.

[illegible]

**Specific Accessories**  
For details see page: 150

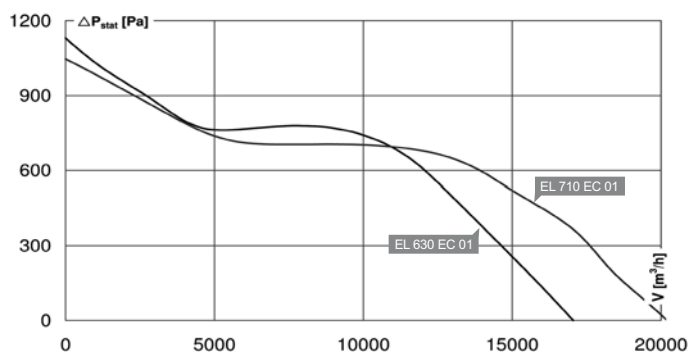
**ECC . . .**  
EC-Controller



**GS ...**  
Isolator Switch



**Fast Clamps**  
1 set = 2 pcs.





- galvanized metal housing
- speed controllable
- integrated thermal switch
- Fan section removable

## New duct fan

### High fan efficiency

The advantages of ETALINE integrated in a rectangular duct fan.

### Ultrashort design

Very compact casing with short constructive form. The primary length was shortened by the use of ETALINE. Thereby we saved installation space and transport volume.



### Standard connection dimensions

20 mm flange profile.



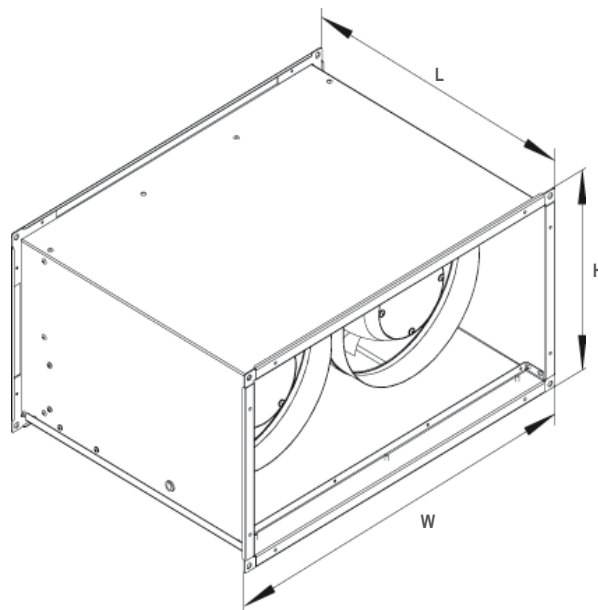
### Big service hatch

A big access door enables easy access to terminal box and fan.



### Internal connection

Easy wiring in a generous designed terminal compartment.



| Type           | ID     | U<br>[V] | f<br>[Hz] | L <sub>WA6</sub><br>[dB (A)] | L <sub>WA5</sub><br>[dB (A)] | η <sub>fa</sub><br>[%] | η <sub>t</sub><br>[%] | L<br>[mm] | W<br>[mm] | H<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|----------------|--------|----------|-----------|------------------------------|------------------------------|------------------------|-----------------------|-----------|-----------|-----------|----------------|-------------------|
| ELK 5025 E2 01 | 121274 | 230V ~   | 50        | 74                           | 75                           | 43,3                   | 43,9                  | 483       | 538       | 288       | 14,5           | 120751            |
| ELK 5030 E2 01 | 121275 | 230V ~   | 50        | 78                           | 77                           | 49,3                   | 50,1                  | 483       | 538       | 338       | 17,1           | 120751            |
| ELK 6030 E2 01 | 121277 | 230V ~   | 50        | 79                           | 77                           | 49,1                   | 49,5                  | 483       | 638       | 338       | 18,3           | 120751            |
| ELK 6030 E2 02 | 121279 | 230V ~   | 50        | 81                           | 79                           | 50,3                   | 52,6                  | 483       | 638       | 338       | 26,1           | 120990            |
| ELK 6035 E2 01 | 121281 | 230V ~   | 50        | 82                           | 80                           | 48,2                   | 48,8                  | 483       | 638       | 338       | 25,0           | 120750            |
| ELK 6035 E2 02 | 121283 | 230V ~   | 50        | 81                           | 79                           | 50,3                   | 51,7                  | 483       | 638       | 338       | 26,9           | 121528            |
| ELK 6035 E2 03 | 121285 | 230V ~   | 50        | 85                           | 83                           | 49,2                   | 50,1                  | 483       | 638       | 338       | 27,1           | 120750            |
| ELK 7040 E2 01 | 121287 | 230V ~   | 50        | 85                           | 83                           | 47,5                   | 49,1                  | 483       | 738       | 438       | 44,0           | 121531            |
| ELK 8050 E2 01 | 121289 | 230V ~   | 50        | 88                           | 86                           | 49,6                   | 50,9                  | 483       | 738       | 538       | 51,6           | 121531            |





**Specific Accessories**  
For details see page: 150

[illegible]

### 5-Step Transformer

With motor protection

### 5-Step Transformer

Without motor protection

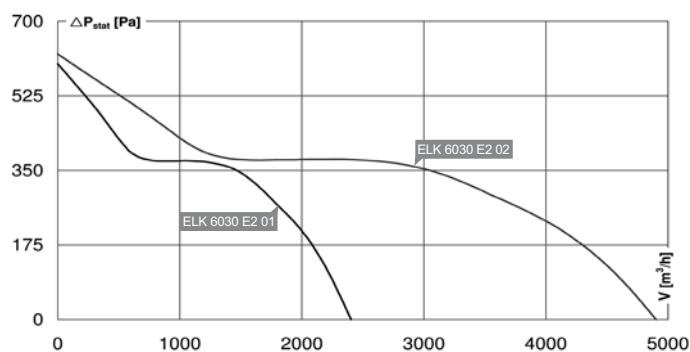
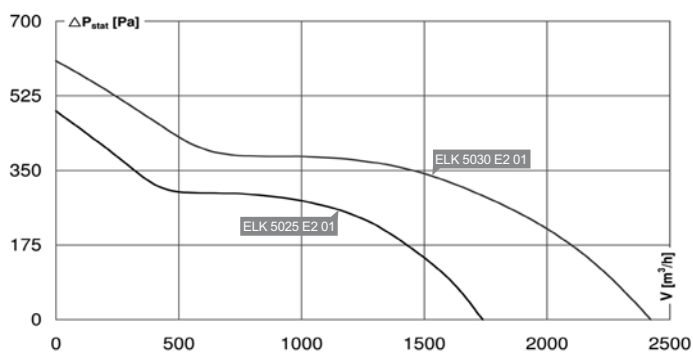
### 7-Step Transformer

Without motor protection

Isolator Switch

**Duct Collar**  
flexibel

**Dampers**  
automatic





**Specific Accessories**  
For details see page: 150

|                                                             |                                                             |                                                             |                                                               |                                                                 |  |
|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|--|
|                                                             |                                                             |                                                             |                                                               |                                                                 |  |
| <b>ELK 6035 E2 01</b><br>ID 121281                          |                                                             | <b>ELK 6035 E2 03</b><br>ID 121285                          |                                                               |                                                                 |  |
| 230V ~/50Hz 70 °C<br>3510 m³/h 550 W<br>3,2 A 80/82/- db(A) |                                                             | 230V ~/50Hz 45 °C<br>4970 m³/h 940 W<br>5,2 A 83/85/- db(A) |                                                               |                                                                 |  |
|                                                             | <b>ELK 6035 E2 02</b><br>ID 121283                          |                                                             | <b>ELK 7040 E2 01</b><br>ID 121287                            | <b>ELK 8050 E2 01</b><br>ID 121289                              |  |
|                                                             | 230V ~/50Hz 55 °C<br>4940 m³/h 560 W<br>3,3 A 79/81/- db(A) |                                                             | 230V ~/50Hz 70 °C<br>7150 m³/h 1.040 W<br>6,6 A 83/85/- db(A) | 230V ~/50Hz 45 °C<br>10050 m³/h 1.890 W<br>10,6 A 86/88/- db(A) |  |



### 5-Step Transformer With motor protection



### 7-Step Transformer

Without motor protection



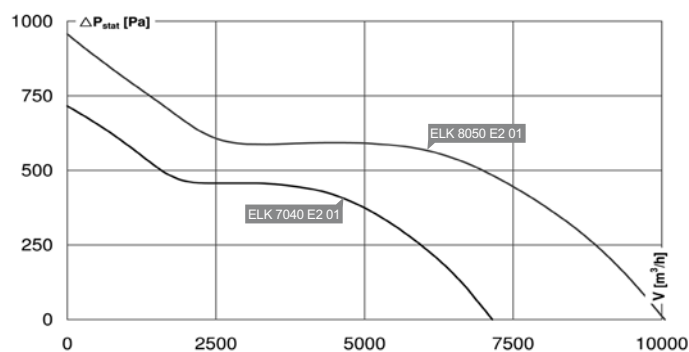
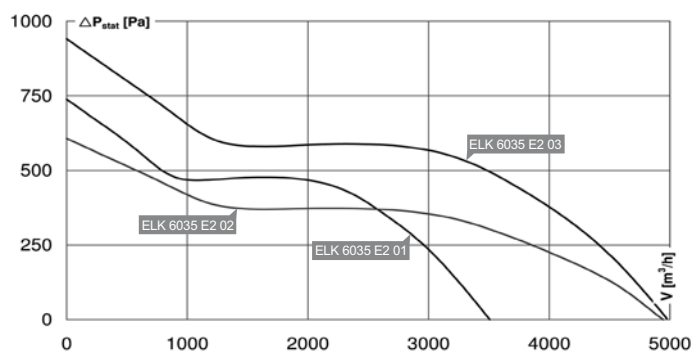
### Isolator Switch



**Duct Collar**  
flexibel



**Dampers**  
automatic

[illegible]





- Diagonal fan ETALINE
- speed controllable
- integrated thermal switch
- Galvanized sheet steel housing
- 40 mm insulation
- Variable outlet direction

## New exhaust fan box

### High fan efficiency

In use of our ETALINE we created a flexible exhaust fan box with high efficient fan.

### Flexible intake and discharge

The inlet of this fan box is variable. The air flow could be either 90° or „Inline“. The fan can be turned around.



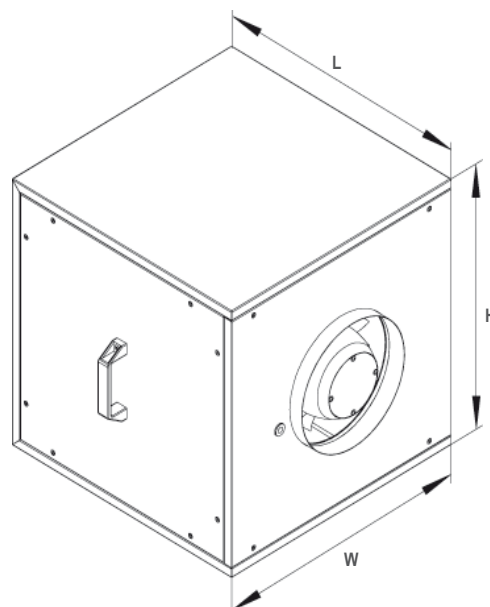
### Big service hatch

A big access door enables easy access for cleaning and maintenance.



### Variable / Flexible

4 fan versions in one box size.



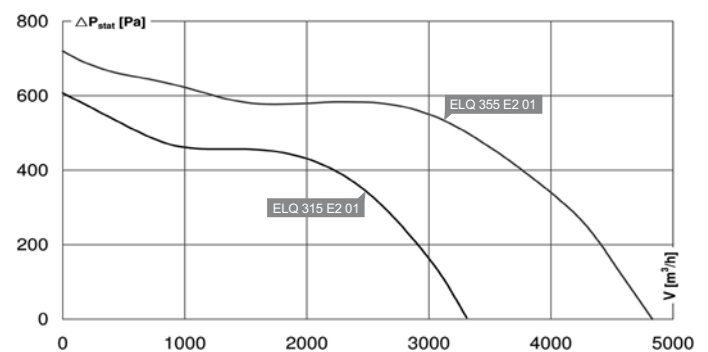
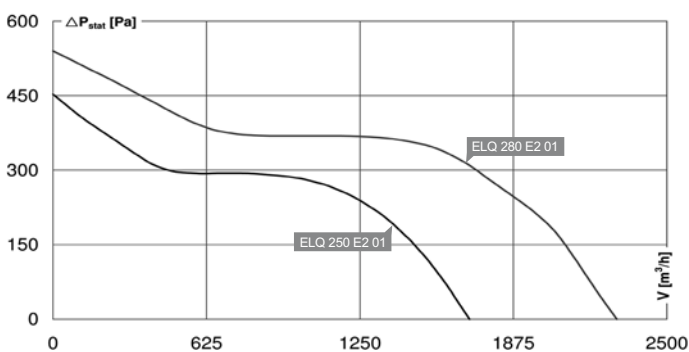
| Type          | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|---------------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|               |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| ELQ 250 E2 01 | 120901 | 230V ~ | 50   | 49               | 71               | 43,9            | 48,2           | 600  | 600  | 600  | 40,7   | 116403         |
| ELQ 280 E2 01 | 120902 | 230V ~ | 50   | 53               | 75               | 49,2            | 53,0           | 600  | 600  | 600  | 42,5   | 116403         |
| ELQ 315 E2 01 | 120905 | 230V ~ | 50   | 54               | 76               | 46,3            | 49,8           | 600  | 600  | 600  | 48,7   | 116495         |
| ELQ 355 E2 01 | 120907 | 230V ~ | 50   | 59               | 79               | 45,5            | 48,8           | 600  | 600  | 600  | 50,9   | 116495         |



|       | ELQ 250 E2 01<br>ID 120901                                   | ELQ 280 E2 01<br>ID 120902                                   | ELQ 315 E2 01<br>ID 120905                                   | ELQ 355 E2 01<br>ID 120907                                   |  |
|-------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--|
| MEPQ. | 230V ~/50Hz 55 °C<br>1700 m³/h 180 W<br>1,0 A 71/76/49 db(A) | 230V ~/50Hz 55 °C<br>2300 m³/h 290 W<br>1,8 A 75/79/53 db(A) | 230V ~/50Hz 70 °C<br>3310 m³/h 510 W<br>3,0 A 76/82/54 db(A) | 230V ~/50Hz 45 °C<br>4830 m³/h 990 W<br>5,1 A 79/84/59 db(A) |  |
|       |                                                              |                                                              |                                                              |                                                              |  |
|       |                                                              |                                                              |                                                              |                                                              |  |
|       |                                                              |                                                              |                                                              |                                                              |  |

**Specific Accessories**  
 For details see page: 150

|         |                        |                        |                        |                        |                                                |                                                                                       |
|---------|------------------------|------------------------|------------------------|------------------------|------------------------------------------------|---------------------------------------------------------------------------------------|
| MYSS.   | TEE 015<br>ID 115893   |                        |                        |                        | 5-Step Transformer<br>Without motor protection |    |
| MYSM.   |                        | TEM 035<br>ID 103502   | TEM 035<br>ID 103502   | TEM 075<br>ID 103507   | 5-Step Transformer<br>With motor protection    |    |
| MYSO.   | TES 145<br>ID 111858   | TES 035<br>ID 103954   | TES 035<br>ID 103954   | TES 075<br>ID 103957   | 7-Step Transformer<br>Without motor protection |    |
| MYSR.   | GS 01<br>ID 102787     | GS 01<br>ID 102787     | GS 01<br>ID 102787     | GS 01<br>ID 102787     | Isolator Switch                                |   |
| MYMRV.  | VM 250<br>ID 102651    | VM 280<br>ID 115494    | VM 315<br>ID 102652    | VM 355<br>ID 102653    | Fast Clamps<br>1 set = 2 pcs.                  |  |
| MYMRR.  | RSK 250<br>ID 102686   |                        | RSK 315<br>ID 102664   | RSK 355<br>ID 102665   | Back Draught Shutter                           |  |
| MYMRR.  | RSK 250D<br>ID 113488  |                        | RSK 315D<br>ID 113489  | RSK 355D<br>ID 113491  | Back Draught Shutter<br>with seal              |  |
| MYMRS.  | SG 250 02<br>ID 112677 | SG 280 02<br>ID 115066 | SG 315 02<br>ID 112675 | SG 355 02<br>ID 112674 | Protection Grille<br>Inlet                     |  |
| MYMRDS. | SDS 250<br>ID 102721   | SDS 280<br>ID 115243   | SDS 315<br>ID 102723   | SDS 355<br>ID 102725   | Duct Silencer<br>rigid, 1 m                    |  |
| MYMRDF. | SDF 250<br>ID 102705   |                        | SDF 315<br>ID 102706   | SDF 355<br>ID 102707   | Duct Silencer<br>flexibel, 1 m                 |  |
|         |                        |                        |                        |                        |                                                |                                                                                       |
|         |                        |                        |                        |                        |                                                |                                                                                       |
|         |                        |                        |                        |                        |                                                |                                                                                       |





- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Sheet steel housing powder coated RAL 7035



#### Powder coating

The housing is with a pleasant light grey RAL 7035 coating.



#### Wide range of accessories

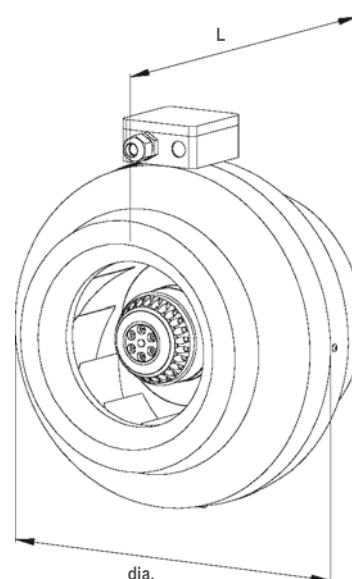
A wide range of accessories offers flexibility for professional solutions to various ventilating tasks.

#### The universal metal fan

RS metal tube fan is manufactured in large numbers and is therefore extremely inexpensive. It is versatile and can be utilized to aerate and deaerate.

#### External rotor motor with a millionfold proven reliability

The external rotor motor used have for decades proven their reliability in rough everyday operation a millionfold.



| Type    | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | dia. | L    | Weight | Wiring diagram |
|---------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|         |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| RS 100  | 104169 | 230V ~ | 50   | 53               | 60               | 10,6            | 11,0           | 245  | 209  | 2,8    | 116403         |
| RS 100L | 104189 | 230V ~ | 50   | 47               | 64               | 10,2            | 10,8           | 245  | 208  | 2,7    | 116471         |
| RS 125  | 104192 | 230V ~ | 50   | 53               | 60               | 12,4            | 12,7           | 245  | 193  | 2,6    | 116403         |
| RS 125L | 104194 | 230V ~ | 50   | 44               | 65               | 11,8            | 12,3           | 245  | 193  | 2,6    | 116471         |
| RS 150  | 104196 | 230V ~ | 50   | 49               | 66               | 16,8            | 17,7           | 344  | 229  | 2,9    | 116471         |
| RS 150L | 104198 | 230V ~ | 50   | 56               | 70               | 21,9            | 22,8           | 344  | 229  | 4,0    | 116471         |
| RS 160  | 104200 | 230V ~ | 50   | 49               | 66               | 15,9            | 16,4           | 270  | 208  | 3,0    | 116471         |
| RS 160L | 104202 | 230V ~ | 50   | 57               | 71               | 22,0            | 23,3           | 344  | 229  | 4,2    | 116471         |
| RS 200  | 104209 | 230V ~ | 50   | 55               | 69               | 27,9            | 28,9           | 344  | 227  | 4,2    | 116471         |
| RS 200L | 104220 | 230V ~ | 50   | 55               | 70               | 24,0            | 25,0           | 344  | 234  | 5,1    | 116471         |
| RS 250  | 104213 | 230V ~ | 50   | 51               | 68               | 30,3            | 30,9           | 344  | 235  | 4,3    | 116471         |
| RS 250L | 104222 | 230V ~ | 50   | 56               | 69               | 28,3            | 29,0           | 344  | 233  | 5,0    | 116471         |
| RS 315  | 104205 | 230V ~ | 50   | 54               | 70               | 32,9            | 33,2           | 402  | 253  | 5,6    | 116471         |
| RS 315L | 104207 | 230V ~ | 50   | 58               | 69               | 28,8            | 29,4           | 402  | 253  | 6,1    | 116471         |

|      | 100 mm                                                                      | 125 mm                                                                      | 150 mm                                                                      | 160 mm                                                                      |  |
|------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|--|
| MRM. | <b>RS 100</b><br>ID 104169                                                  | <b>RS 125</b><br>ID 104192                                                  | <b>RS 150</b><br>ID 104196                                                  | <b>RS 160</b><br>ID 104200                                                  |  |
|      | 230V ~/50Hz 80 °C<br>200 m³/h 54 W<br>0,3 A 60/60/53 db(A)                  | 230V ~/50Hz 80 °C<br>300 m³/h 55 W<br>0,3 A 60/60/53 db(A)                  | 230V ~/50Hz 60 °C<br>470 m³/h 70 W<br>0,3 A 66/67/49 db(A)                  | 230V ~/50Hz 50 °C<br>450 m³/h 70 W<br>0,3 A 66/67/49 db(A)                  |  |
|      | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 1</b> ID 110094 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 1</b> ID 110094 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 1</b> ID 110094 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 1</b> ID 110094 |  |
|      |                                                                             |                                                                             |                                                                             |                                                                             |  |
| MRM. | <b>RS 100L</b><br>ID 104189                                                 | <b>RS 125L</b><br>ID 104194                                                 | <b>RS 150L</b><br>ID 104198                                                 | <b>RS 160L</b><br>ID 104202                                                 |  |
|      | 230V ~/50Hz 60 °C<br>250 m³/h 70 W<br>0,3 A 64/64/47 db(A)                  | 230V ~/50Hz 65 °C<br>340 m³/h 70 W<br>0,3 A 65/65/44 db(A)                  | 230V ~/50Hz 55 °C<br>630 m³/h 93 W<br>0,4 A 70/69/56 db(A)                  | 230V ~/50Hz 50 °C<br>690 m³/h 94 W<br>0,4 A 71/71/57 db(A)                  |  |
|      | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 1</b> ID 110094 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 1</b> ID 110094 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095 |  |
|      |                                                                             |                                                                             |                                                                             |                                                                             |  |


**Specific Accessories**  
 For details see page: 150

**MTY ...**  
 Electronic Controller

**ETY ...**  
 Electronic Controller

**MRS ...**  
 Mounting Bracket


|         |                               |                               |                               |                               |  |
|---------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| MYSS.   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   |  |
| MYSO.   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   |  |
| MYSR.   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     |  |
| MYMRV.  | <b>VM 100</b><br>ID 102643    | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 160</b><br>ID 102649    |  |
| MYMR.   | <b>RSK 100</b><br>ID 102658   | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 160</b><br>ID 102661   |  |
| MYMR.   | <b>RSK 100D</b><br>ID 116061  | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 160D</b><br>ID 113485  |  |
| MYMRS.  | <b>SG 100 01</b><br>ID 102894 | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 160 01</b><br>ID 102897 |  |
| MYMRDS. | <b>SDS 100</b><br>ID 102709   | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 160</b><br>ID 102717   |  |
| MYMRDF. | <b>SDF 100</b><br>ID 102699   | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 160</b><br>ID 102703   |  |
| MYMRHL. | <b>FV 100</b><br>ID 112678    | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 160</b><br>ID 112831    |  |
| MYMRHO. | <b>FT 100</b><br>ID 112844    | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 160</b><br>ID 112841    |  |
| MYMRHH. | <b>FTW 100</b><br>ID 112849   | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 160</b><br>ID 112852   |  |
|         |                               |                               |                               |                               |  |

**5-Step Transformer**  
 Without motor protection

**7-Step Transformer**  
 Without motor protection

**Isolator Switch**

**Fast Clamps**  
 1 set = 2 pcs.

**Back Draught Shutter**

**Back Draught Shutter**  
 with seal

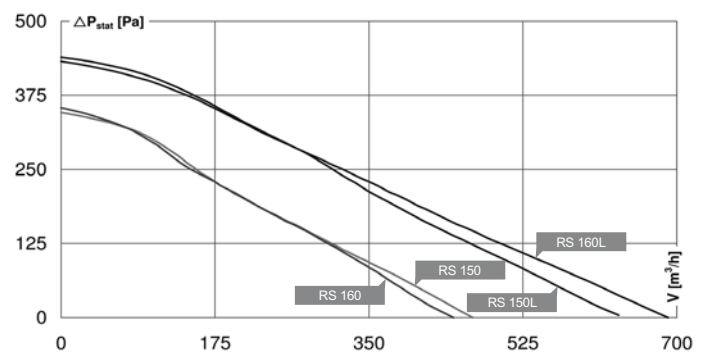
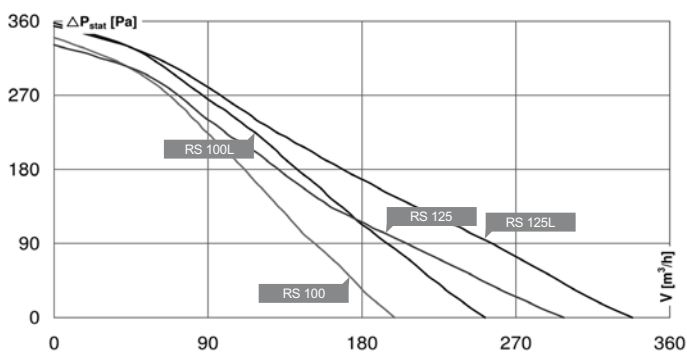
**Protection Grille**

**Duct Silencer**  
 rigid, 1 m

**Duct Silencer**  
 flexibel, 1 m

**Filter Box with Mat Filter G3**

**Filter Box for Bag Filter**  
 Without filter

**Filter Box with Filter F5 and**  
**Heating Coil**






**Specific Accessories**  
For details see page: 150



**MTY ...**  
Electronic Controller



**ETY ...**  
Electronic Controller



**MRS ...**  
Mounting Bracket



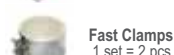
**5-Step Transformer**  
Without motor protection



**7-Step Transformer**  
Without motor protection



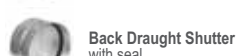
**Isolator Switch**



**Fast Clamps**  
1 set = 2 pcs.



**Back Draught Shutter**



**Back Draught Shutter**  
with seal



**Protection Grille**



**Duct Silencer**  
rigid, 1 m



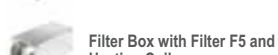
**Duct Silencer**  
flexibel, 1 m



**Filter Box with Mat Filter G3**

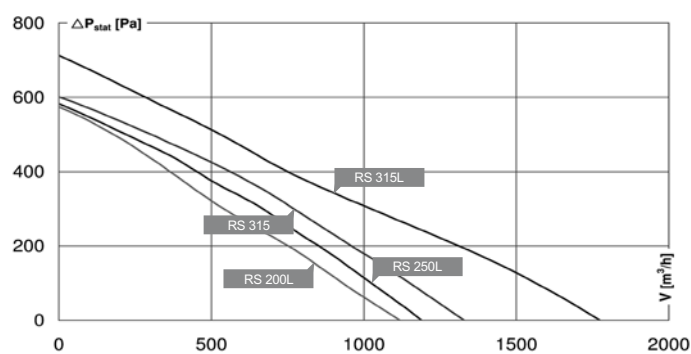
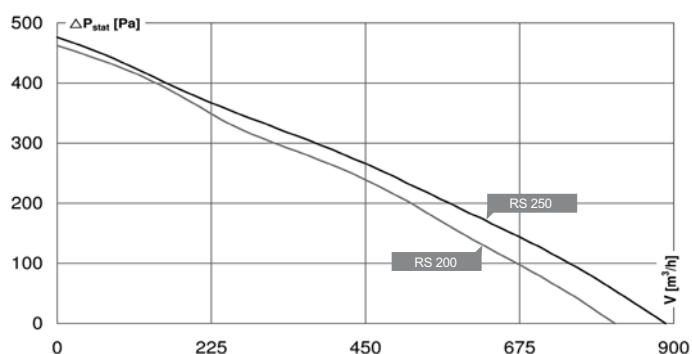


**Filter Box for Bag Filter**  
Without filter



**Filter Box with Filter F5 and**  
Heating Coil

| 200 mm                                                                                                                                                                             | 250 mm                                                                                                                                                                             | 315 mm                                                                                                                                                                             |  |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|
| <b>RS 200</b><br>ID 104209<br><br>230V ~/50Hz 70 °C<br>810 m³/h 100 W<br>0,5 A 69/70/55 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095   | <b>RS 250</b><br>ID 104213<br><br>230V ~/50Hz 60 °C<br>890 m³/h 100 W<br>0,5 A 68/69/51 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095   | <b>RS 315</b><br>ID 104205<br><br>230V ~/50Hz 60 °C<br>1330 m³/h 190 W<br>0,9 A 70/73/54 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095  |  | MRM.    |
| <b>RS 200L</b><br>ID 104220<br><br>230V ~/50Hz 70 °C<br>1120 m³/h 190 W<br>0,9 A 70/71/55 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095 | <b>RS 250L</b><br>ID 104222<br><br>230V ~/50Hz 60 °C<br>1190 m³/h 190 W<br>0,9 A 69/71/56 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095 | <b>RS 315L</b><br>ID 104207<br><br>230V ~/50Hz 60 °C<br>1770 m³/h 290 W<br>1,3 A 69/74/58 db(A)<br><br><b>MTY 2</b> ID 103424<br><b>ETY 15</b> ID 115891<br><b>MRS 2</b> ID 110095 |  | MRM.    |
| <b>TEE 015</b><br>ID 115893                                                                                                                                                        | <b>TEE 015</b><br>ID 115893                                                                                                                                                        | <b>TEE 015</b><br>ID 115893                                                                                                                                                        |  | MYSS.   |
| <b>TES 145</b><br>ID 111858                                                                                                                                                        | <b>TES 145</b><br>ID 111858                                                                                                                                                        | <b>TES 145</b><br>ID 111858                                                                                                                                                        |  | MYSO.   |
| <b>GS 01</b><br>ID 102787                                                                                                                                                          | <b>GS 01</b><br>ID 102787                                                                                                                                                          | <b>GS 01</b><br>ID 102787                                                                                                                                                          |  | MYSR.   |
| <b>VM 200</b><br>ID 102650                                                                                                                                                         | <b>VM 250</b><br>ID 102651                                                                                                                                                         | <b>VM 315</b><br>ID 102652                                                                                                                                                         |  | MYMRV.  |
| <b>RSK 200</b><br>ID 102662                                                                                                                                                        | <b>RSK 250</b><br>ID 102686                                                                                                                                                        | <b>RSK 315</b><br>ID 102664                                                                                                                                                        |  | MYMR.   |
| <b>RSK 200D</b><br>ID 113487                                                                                                                                                       | <b>RSK 250D</b><br>ID 113488                                                                                                                                                       | <b>RSK 315D</b><br>ID 113489                                                                                                                                                       |  | MYMR.   |
| <b>SG 200 01</b><br>ID 102898                                                                                                                                                      | <b>SG 250 01</b><br>ID 102899                                                                                                                                                      | <b>SG 315 01</b><br>ID 102900                                                                                                                                                      |  | MYMRS.  |
| <b>SDS 200</b><br>ID 102719                                                                                                                                                        | <b>SDS 250</b><br>ID 102721                                                                                                                                                        | <b>SDS 315</b><br>ID 102723                                                                                                                                                        |  | MYMRDS. |
| <b>SDF 200</b><br>ID 102704                                                                                                                                                        | <b>SDF 250</b><br>ID 102705                                                                                                                                                        | <b>SDF 315</b><br>ID 102706                                                                                                                                                        |  | MYMRDE. |
| <b>FV 200</b><br>ID 112832                                                                                                                                                         | <b>FV 250</b><br>ID 112833                                                                                                                                                         | <b>FV 315</b><br>ID 112834                                                                                                                                                         |  | MYMRHL. |
| <b>FT 200</b><br>ID 112840                                                                                                                                                         | <b>FT 250</b><br>ID 112845                                                                                                                                                         | <b>FT 315</b><br>ID 112846                                                                                                                                                         |  | MYMRHO. |
| <b>FTW 200</b><br>ID 112853                                                                                                                                                        | <b>FTW 250</b><br>ID 112854                                                                                                                                                        | <b>FTW 315</b><br>ID 112855                                                                                                                                                        |  | MYMRHH. |





### The universal plastic fan

RK plastic tube fans are manufactured in large quantities and are thus extremely inexpensive. It is versatile and can be utilized to aerate and deaerate.

### External rotor motor with a millionfold proven reliability

The external rotor motor used here for decades has proven its reliability in rough everyday operation a millionfold.

- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Plastic housing PA6, RAL 7035



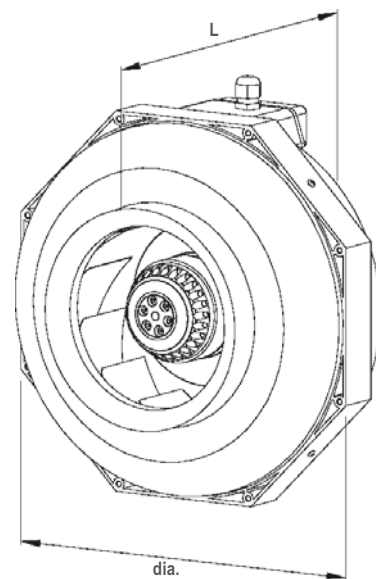
### Mounting Bracket

The assembly console can be mounted in eight different positions.



### Wide range of accessories

A wide range of accessories offers flexibility for professional solutions to various ventilating tasks.



| Type    | ID     | U<br>[V] | f<br>[Hz] | L <sub>WA2</sub><br>[dB (A)] | L <sub>WA5</sub><br>[dB (A)] | η <sub>fa</sub><br>[%] | η <sub>t</sub><br>[%] | dia.<br>[mm] | L<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|---------|--------|----------|-----------|------------------------------|------------------------------|------------------------|-----------------------|--------------|-----------|----------------|-------------------|
| RK 100  | 104495 | 230V ~   | 50        | 50                           | 63                           | 12,3                   | 13,0                  | 245          | 220       | 2,3            | 116403            |
| RK 100L | 104506 | 230V ~   | 50        | 53                           | 65                           | 11,9                   | 12,7                  | 245          | 220       | 2,3            | 116403            |
| RK 125  | 104507 | 230V ~   | 50        | 49                           | 62                           | 13,0                   | 13,4                  | 245          | 220       | 2,2            | 116403            |
| RK 125L | 104508 | 230V ~   | 50        | 51                           | 65                           | 13,2                   | 13,9                  | 245          | 220       | 2,3            | 116403            |
| RK 150  | 104509 | 230V ~   | 50        | 54                           | 65                           | 18,9                   | 19,9                  | 340          | 230       | 2,9            | 116403            |
| RK 150L | 104510 | 230V ~   | 50        | 55                           | 68                           | 27,8                   | 30,6                  | 340          | 230       | 3,2            | 116471            |
| RK 160  | 104512 | 230V ~   | 50        | 53                           | 67                           | 18,6                   | 19,5                  | 340          | 230       | 2,8            | 116471            |
| RK 160L | 104513 | 230V ~   | 50        | 57                           | 67                           | 28,6                   | 30,8                  | 340          | 230       | 3,2            | 116471            |
| RK 200  | 104514 | 230V ~   | 50        | 55                           | 69                           | 29,4                   | 30,6                  | 340          | 230       | 3,2            | 116471            |
| RK 200L | 104515 | 230V ~   | 50        | 62                           | 74                           | 26,6                   | 27,6                  | 340          | 230       | 4,2            | 116471            |
| RK 250  | 104516 | 230V ~   | 50        | 55                           | 70                           | 30,2                   | 30,7                  | 340          | 230       | 3,1            | 116471            |
| RK 250L | 104517 | 230V ~   | 50        | 57                           | 70                           | 28,2                   | 28,5                  | 340          | 230       | 4,1            | 116471            |



**Specific Accessories**  
For details see page: 150



**MTY ...**  
Electronic Controller



**ETY ...**  
Electronic Controller



**MRK ...**  
Mounting Bracket



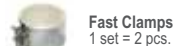
**5-Step Transformer**  
Without motor protection



**7-Step Transformer**  
Without motor protection



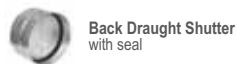
**Isolator Switch**



**Fast Clamps**  
1 set = 2 pcs.



**Back Draught Shutter**



**Back Draught Shutter**  
with seal



**Protection Grille**



**Duct Silencer**  
rigid, 1 m



**Duct Silencer**  
flexibel, 1 m



**Filter Box with Mat Filter G3**

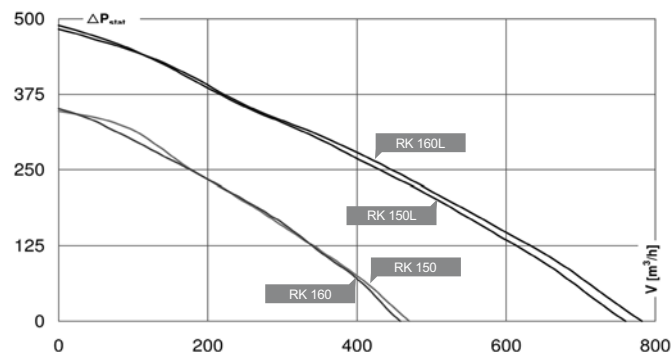
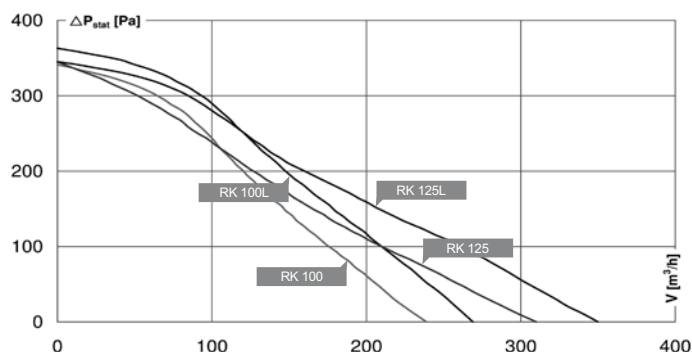


**Filter Box for Bag Filter**  
Without filter



**Filter Box with Filter F5 and**  
Heating Coil

| 100 mm                                                                                                                                                                           | 125 mm                                                                                                                                                                           | 150 mm                                                                                                                                                                            | 160 mm                                                                                                                                                                            |  |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|
| <b>RK 100</b><br>ID 104495<br><br>230V ~/50Hz 70 °C<br>240 m³/h 60 W<br>0,3 A 63/63/50 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 1</b> ID 109888  | <b>RK 125</b><br>ID 104507<br><br>230V ~/50Hz 70 °C<br>310 m³/h 60 W<br>0,3 A 62/61/49 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 1</b> ID 109888  | <b>RK 150</b><br>ID 104509<br><br>230V ~/50Hz 50 °C<br>470 m³/h 70 W<br>0,3 A 65/61/54 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889   | <b>RK 160</b><br>ID 104512<br><br>230V ~/50Hz 40 °C<br>460 m³/h 70 W<br>0,3 A 67/64/53 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889   |  | MRK.    |
| <b>RK 100L</b><br>ID 104506<br><br>230V ~/50Hz 55 °C<br>270 m³/h 70 W<br>0,3 A 65/65/53 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 1</b> ID 109888 | <b>RK 125L</b><br>ID 104508<br><br>230V ~/50Hz 55 °C<br>350 m³/h 70 W<br>0,3 A 65/64/51 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 1</b> ID 109888 | <b>RK 150L</b><br>ID 104510<br><br>230V ~/50Hz 55 °C<br>760 m³/h 105 W<br>0,5 A 68/67/55 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889 | <b>RK 160L</b><br>ID 104513<br><br>230V ~/50Hz 50 °C<br>780 m³/h 105 W<br>0,5 A 67/65/57 db(A)<br><br><b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889 |  | MRK.    |
| <b>TEE 015</b><br>ID 115893                                                                                                                                                      | <b>TEE 015</b><br>ID 115893                                                                                                                                                      | <b>TEE 015</b><br>ID 115893                                                                                                                                                       | <b>TEE 015</b><br>ID 115893                                                                                                                                                       |  | MYSS.   |
| <b>TES 145</b><br>ID 111858                                                                                                                                                      | <b>TES 145</b><br>ID 111858                                                                                                                                                      | <b>TES 145</b><br>ID 111858                                                                                                                                                       | <b>TES 145</b><br>ID 111858                                                                                                                                                       |  | MYSO.   |
| <b>GS 01</b><br>ID 102787                                                                                                                                                        | <b>GS 01</b><br>ID 102787                                                                                                                                                        | <b>GS 01</b><br>ID 102787                                                                                                                                                         | <b>GS 01</b><br>ID 102787                                                                                                                                                         |  | MYSR.   |
| <b>VM 100</b><br>ID 102643                                                                                                                                                       | <b>VM 125</b><br>ID 102647                                                                                                                                                       | <b>VM 150</b><br>ID 102648                                                                                                                                                        | <b>VM 160</b><br>ID 102649                                                                                                                                                        |  | MYMRV.  |
| <b>RSK 100</b><br>ID 102658                                                                                                                                                      | <b>RSK 125</b><br>ID 102179                                                                                                                                                      | <b>RSK 150</b><br>ID 102660                                                                                                                                                       | <b>RSK 160</b><br>ID 102661                                                                                                                                                       |  | MYMR.   |
| <b>RSK 100D</b><br>ID 116061                                                                                                                                                     | <b>RSK 125D</b><br>ID 113483                                                                                                                                                     | <b>RSK 150D</b><br>ID 113484                                                                                                                                                      | <b>RSK 160D</b><br>ID 113485                                                                                                                                                      |  | MYMR.   |
| <b>SG 100 01</b><br>ID 102894                                                                                                                                                    | <b>SG 125 01</b><br>ID 102895                                                                                                                                                    | <b>SG 150 01</b><br>ID 102896                                                                                                                                                     | <b>SG 160 01</b><br>ID 102897                                                                                                                                                     |  | MYMRS.  |
| <b>SDS 100</b><br>ID 102709                                                                                                                                                      | <b>SDS 125</b><br>ID 102712                                                                                                                                                      | <b>SDS 150</b><br>ID 102714                                                                                                                                                       | <b>SDS 160</b><br>ID 102717                                                                                                                                                       |  | MYMRDS. |
| <b>SDF 100</b><br>ID 102699                                                                                                                                                      | <b>SDF 125</b><br>ID 102700                                                                                                                                                      | <b>SDF 150</b><br>ID 102702                                                                                                                                                       | <b>SDF 160</b><br>ID 102703                                                                                                                                                       |  | MYMRDF. |
| <b>FV 100</b><br>ID 112678                                                                                                                                                       | <b>FV 125</b><br>ID 112679                                                                                                                                                       | <b>FV 150</b><br>ID 112680                                                                                                                                                        | <b>FV 160</b><br>ID 112831                                                                                                                                                        |  | MYMRHL. |
| <b>FT 100</b><br>ID 112844                                                                                                                                                       | <b>FT 125</b><br>ID 112843                                                                                                                                                       | <b>FT 150</b><br>ID 112842                                                                                                                                                        | <b>FT 160</b><br>ID 112841                                                                                                                                                        |  | MYMRHO. |
| <b>FTW 100</b><br>ID 112849                                                                                                                                                      | <b>FTW 125</b><br>ID 112850                                                                                                                                                      | <b>FTW 150</b><br>ID 112851                                                                                                                                                       | <b>FTW 160</b><br>ID 112852                                                                                                                                                       |  | MYMRHH. |



|     | 200 mm                                                                      | 250 mm                                                                      |  |  |  |
|-----|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|--|--|--|
| MRK | <b>RK 200</b><br>ID 104514                                                  | <b>RK 250</b><br>ID 104516                                                  |  |  |  |
|     | 230V ~/50Hz 50 °C<br>820 m³/h 100 W<br>0,5 A 69/67/55 db(A)                 | 230V ~/50Hz 50 °C<br>830 m³/h 100 W<br>0,5 A 70/71/55 db(A)                 |  |  |  |
|     | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889 |  |  |  |
|     |                                                                             |                                                                             |  |  |  |
| MRK | <b>RK 200L</b><br>ID 104515                                                 | <b>RK 250L</b><br>ID 104517                                                 |  |  |  |
|     | 230V ~/50Hz 50 °C<br>1110 m³/h 195 W<br>0,9 A 74/76/62 db(A)                | 230V ~/50Hz 50 °C<br>1170 m³/h 195 W<br>0,9 A 70/71/57 db(A)                |  |  |  |
|     | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889 | <b>MTY 1</b> ID 103428<br><b>ETY 15</b> ID 115891<br><b>MRK 2</b> ID 109889 |  |  |  |
|     |                                                                             |                                                                             |  |  |  |

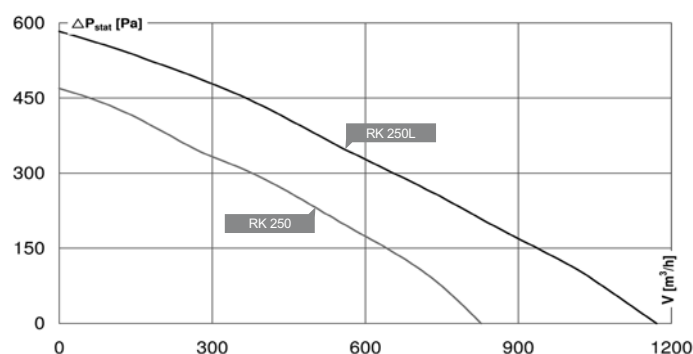
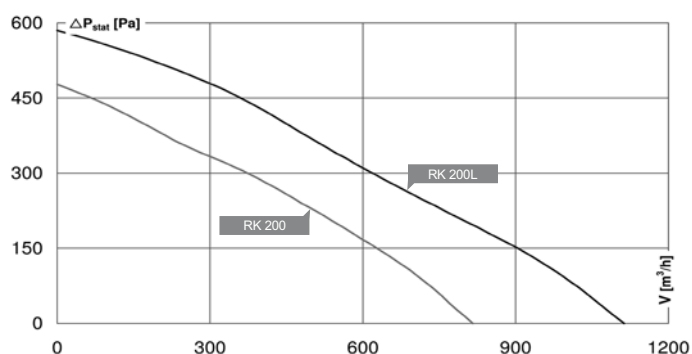

**Specific Accessories**  
 For details see page: 150

**MTY . . .**  
 Electronic Controller

**ETY . . .**  
 Electronic Controller

**MRK . . .**  
 Mounting Bracket


|        |                               |                               |  |  |  |                                                       |  |
|--------|-------------------------------|-------------------------------|--|--|--|-------------------------------------------------------|--|
| MYSS   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   |  |  |  | <b>5-Step Transformer</b><br>Without motor protection |  |
| MYSO   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   |  |  |  | <b>7-Step Transformer</b><br>Without motor protection |  |
| MYSR   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     |  |  |  | <b>Isolator Switch</b>                                |  |
| MYMRV  | <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    |  |  |  | <b>Fast Clamps</b><br>1 set = 2 pcs.                  |  |
| MYMRR  | <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   |  |  |  | <b>Back Draught Shutter</b>                           |  |
| MYMRR  | <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  |  |  |  | <b>Back Draught Shutter</b><br>with seal              |  |
| MYMRS  | <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 |  |  |  | <b>Protection Grille</b>                              |  |
| MYMRDS | <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   |  |  |  | <b>Duct Silencer</b><br>rigid, 1 m                    |  |
| MYMRDF | <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   |  |  |  | <b>Duct Silencer</b><br>flexibel, 1 m                 |  |
| MYMRHL | <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    |  |  |  | <b>Filter Box with Mat Filter G3</b>                  |  |
| MYMRHO | <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    |  |  |  | <b>Filter Box for Bag Filter</b><br>Without filter    |  |
| MYMRHH | <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   |  |  |  | <b>Filter Box with Filter F5 and Heating Coil</b>     |  |





#### 4 speed steps inclusive

Through an integrated rotary switch 4 different performance levels can be attained. An external control device such as transformer or electronic speed controller is no longer required. For application with easy access to the fan, this is a simple and inexpensive way of the performance adjustment.

- Backward curved centrifugal fan
- 4-speed
- Integrated thermal contact
- Plastic housing PA6, RAL 7035



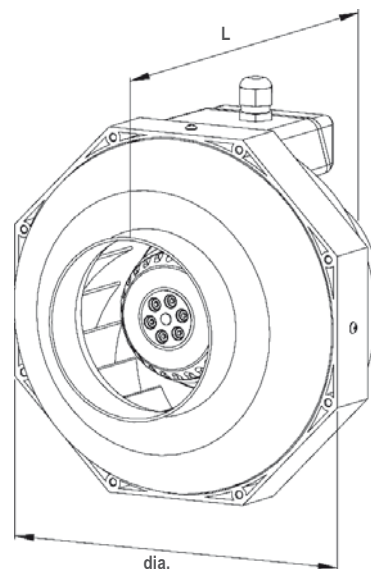
#### Speed controller

The speed controller is attached on the fan.



#### Wide range of accessories

A wide range of accessories offers flexibility for professional solutions to various ventilating tasks.



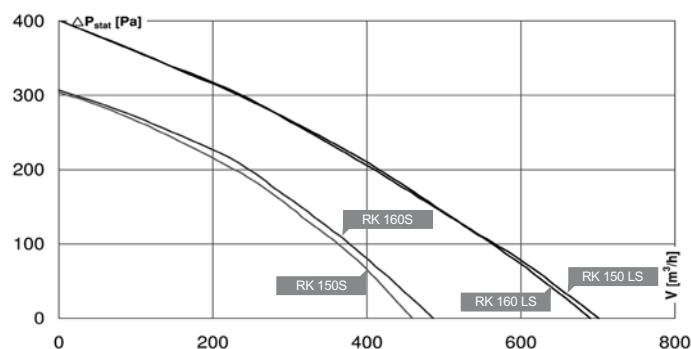
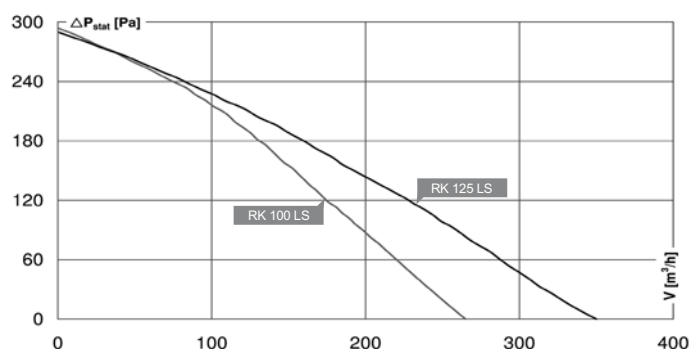
| Type      | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | dia. | L    | Weight | Wiring diagram |
|-----------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|           |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| RK 100 LS | 106706 | 230V ~ | 50   | 53               | 63               | 11,3            | 12,0           | 245  | 220  | 2,5    | 116514         |
| RK 125 LS | 106698 | 230V ~ | 50   | 51               | 65               | 13,2            | 14,0           | 245  | 220  | 2,5    | 116514         |
| RK 150S   | 106707 | 230V ~ | 50   | 54               | 65               | 20,2            | 21,2           | 340  | 230  | 3,1    | 116514         |
| RK 150 LS | 105802 | 230V ~ | 50   | 59               | 70               | 23,8            | 25,3           | 340  | 230  | 3,6    | 116514         |
| RK 160S   | 106701 | 230V ~ | 50   | 53               | 67               | 21,6            | 22,5           | 340  | 230  | 3,0    | 116514         |
| RK 160 LS | 105232 | 230V ~ | 50   | 57               | 69               | 24,0            | 26,0           | 340  | 230  | 3,6    | 116514         |
| RK 200S   | 106702 | 230V ~ | 50   | 56               | 71               | 25,5            | 26,6           | 340  | 230  | 3,6    | 116514         |
| RK 200 LS | 106708 | 230V ~ | 50   | 62               | 74               | 25,2            | 25,5           | 340  | 230  | 4,4    | 116514         |
| RK 250S   | 106092 | 230V ~ | 50   | 56               | 70               | 25,9            | 26,9           | 340  | 230  | 3,5    | 116514         |
| RK 250 LS | 106093 | 230V ~ | 50   | 57               | 70               | 25,4            | 25,9           | 340  | 230  | 4,4    | 116514         |

|     | 100 mm                                                                                          | 125 mm                                                                                          | 150 mm                                                                                           | 160 mm                                                                                          |  |
|-----|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--|
| MR4 |                                                                                                 |                                                                                                 | <b>RK 150S</b><br>ID 106707<br><br>230V ~/50Hz 55 °C<br>460 m³/h 60 W<br>0,3 A 65/61/54 db(A)    | <b>RK 160S</b><br>ID 106701<br><br>230V ~/50Hz 55 °C<br>490 m³/h 60 W<br>0,3 A 67/64/53 db(A)   |  |
| MR4 | <b>RK 100 LS</b><br>ID 106706<br><br>230V ~/50Hz 70 °C<br>270 m³/h 60 W<br>0,3 A 63/65/53 db(A) | <b>RK 125 LS</b><br>ID 106698<br><br>230V ~/50Hz 70 °C<br>350 m³/h 70 W<br>0,3 A 65/64/51 db(A) | <b>RK 150 LS</b><br>ID 105802<br><br>230V ~/50Hz 60 °C<br>700 m³/h 100 W<br>0,4 A 70/67/59 db(A) | <b>RK 160 LS</b><br>ID 105232<br><br>230V ~/50Hz 60 °C<br>700 m³/h 90 W<br>0,4 A 69/67/57 db(A) |  |



**Specific Accessories**  
 For details see page: 150

|        |                               |                               |                               |                               |                                                             |
|--------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------------------------------------|
| MYSR   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>Isolator Switch</b>                                      |
| MYMRK  | <b>MRK 1</b><br>ID 109888     | <b>MRK 1</b><br>ID 109888     | <b>MRK 2</b><br>ID 109889     | <b>MRK 2</b><br>ID 109889     | <b>Mounting Bracket</b>                                     |
| MYMRV  | <b>VM 100</b><br>ID 102643    | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 160</b><br>ID 102649    | <b>Fast Clamps</b><br>1 set = 2 pcs.                        |
| MYMR   | <b>RSK 100</b><br>ID 102658   | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 160</b><br>ID 102661   | <b>Back Draught Shutter</b>                                 |
| MYMR   | <b>RSK 100D</b><br>ID 116061  | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 160D</b><br>ID 113485  | <b>Back Draught Shutter</b><br>with seal                    |
| MYMRS  | <b>SG 100 01</b><br>ID 102894 | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 160 01</b><br>ID 102897 | <b>Protection Grille</b>                                    |
| MYMRDS | <b>SDS 100</b><br>ID 102709   | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 160</b><br>ID 102717   | <b>Duct Silencer</b><br>rigid, 1 m                          |
| MYMRDE | <b>SDF 100</b><br>ID 102699   | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 160</b><br>ID 102703   | <b>Duct Silencer</b><br>flexibel, 1 m                       |
| MYMRHL | <b>FV 100</b><br>ID 112678    | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 160</b><br>ID 112831    | <b>Filter Box with Mat Filter G3</b>                        |
| MYMRHO | <b>FT 100</b><br>ID 112844    | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 160</b><br>ID 112841    | <b>Filter Box for Bag Filter</b><br>Without filter          |
| MYMRHL | <b>FTW 100</b><br>ID 112849   | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 160</b><br>ID 112852   | <b>Filter Box with Filter F5 and</b><br><b>Heating Coil</b> |
|        |                               |                               |                               |                               |                                                             |
|        |                               |                               |                               |                               |                                                             |



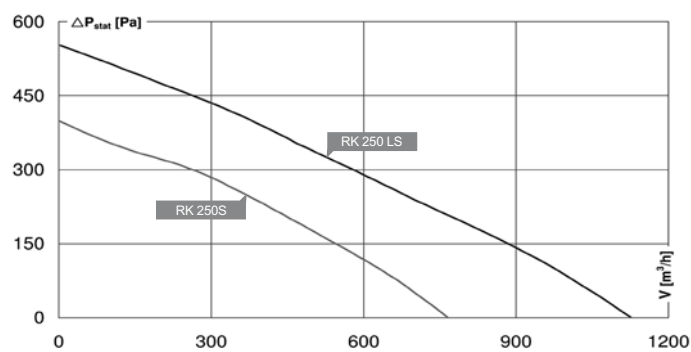
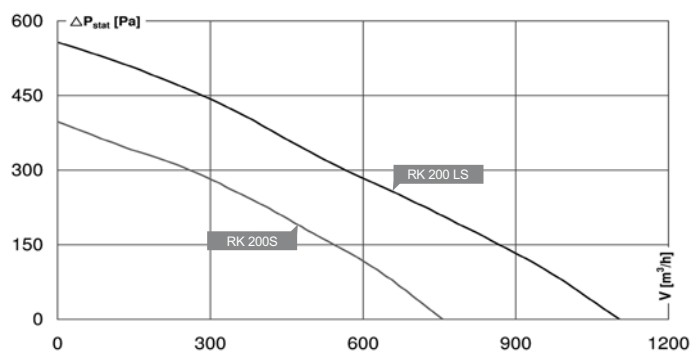


**Specific Accessories**  
For details see page: 150

| 200 mm                                                                                            | 250 mm                                                                                            |  |  |  |     |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--|--|--|-----|
| <b>RK 200S</b><br>ID 106702<br><br>230V ~/50Hz 50 °C<br>760 m³/h 95 W<br>0,5 A 71/68/56 db(A)     | <b>RK 250S</b><br>ID 106092<br><br>230V ~/50Hz 50 °C<br>770 m³/h 95 W<br>0,5 A 70/70/56 db(A)     |  |  |  | MR4 |
| <b>RK 200 LS</b><br>ID 106708<br><br>230V ~/50Hz 35 °C<br>1110 m³/h 190 W<br>0,9 A 74/76/62 db(A) | <b>RK 250 LS</b><br>ID 106093<br><br>230V ~/50Hz 35 °C<br>1130 m³/h 185 W<br>0,9 A 70/71/57 db(A) |  |  |  | MR4 |

-  Isolator Switch
-  Mounting Bracket
-  Fast Clamps  
1 set = 2 pcs.
-  Back Draught Shutter
-  Back Draught Shutter  
with seal
-  Protection Grille
-  Duct Silencer  
rigid, 1 m
-  Duct Silencer  
flexibel, 1 m
-  Filter Box with Mat Filter G3
-  Filter Box for Bag Filter  
Without filter
-  Filter Box with Filter F5 and  
Heating Coil

|                               |                               |  |  |  |        |
|-------------------------------|-------------------------------|--|--|--|--------|
| <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     |  |  |  | MYSR   |
| <b>MRK 2</b><br>ID 109889     | <b>MRK 2</b><br>ID 109889     |  |  |  | MYMRK  |
| <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    |  |  |  | MYMRV  |
| <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   |  |  |  | MYMR   |
| <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  |  |  |  | MYMR   |
| <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 |  |  |  | MYMRS  |
| <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   |  |  |  | MYMRDS |
| <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   |  |  |  | MYMRDF |
| <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    |  |  |  | MYMRHL |
| <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    |  |  |  | MYMRHO |
| <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   |  |  |  | MYMRHH |
|                               |                               |  |  |  |        |
|                               |                               |  |  |  |        |







- Backward curved centrifugal fan
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Plastic housing PA6, RAL 7035

### Integrated temperature control

The integrated electronic controls the airflow according to the extract air temperature. The temperature setting could be done by a rotary switch. Raising temperature accelerates the speed, sinking temperature decreases the speed.

### Easy installation

The control system is integrated in the unit and completely wired.

### Silent motors

Speed control is done by winding taps, so there is no noise caused by controller.



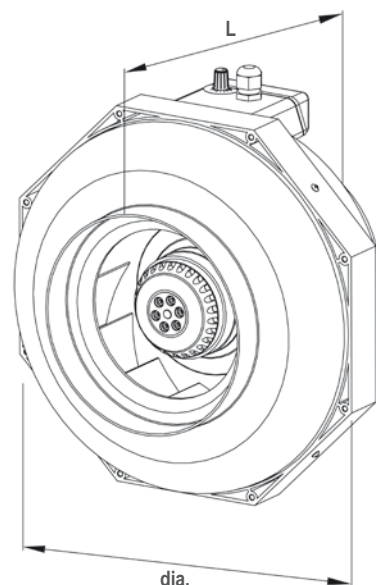
### Rotary switch

Simple temperature setting by rotary switch. Does the temperature differs by 1 °C from the nominal value, the fan will run in the next higher or lower step.



### Electronic

The control is integrated in the junction box.



| Type     | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | dia. | L    | Weight | Wiring diagram |
|----------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|          |        | [V]    | [Hz] | [dB(A)]          | [dB(A)]          | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| RKW 100L | 117278 | 230V ~ | 50   | 53               | 63               | 11,3            | 12,0           | 245  | 220  | 2,5    | 117364         |
| RKW 125L | 117279 | 230V ~ | 50   | 51               | 65               | 13,2            | 14,0           | 245  | 220  | 2,5    | 117364         |
| RKW 150  | 117284 | 230V ~ | 50   | 54               | 65               | 20,2            | 21,2           | 340  | 230  | 3,0    | 117364         |
| RKW 150L | 117283 | 230V ~ | 50   | 59               | 70               | 23,8            | 25,3           | 340  | 230  | 3,5    | 117364         |
| RKW 160  | 117286 | 230V ~ | 50   | 53               | 67               | 21,6            | 22,5           | 340  | 230  | 3,0    | 117364         |
| RKW 160L | 117285 | 230V ~ | 50   | 57               | 69               | 24,0            | 26,0           | 340  | 230  | 3,5    | 117364         |
| RKW 200  | 117288 | 230V ~ | 50   | 56               | 71               | 25,5            | 26,6           | 340  | 230  | 3,5    | 117364         |
| RKW 200L | 117287 | 230V ~ | 50   | 62               | 74               | 25,2            | 25,5           | 340  | 230  | 4,3    | 117364         |
| RKW 250  | 117290 | 230V ~ | 50   | 56               | 70               | 25,9            | 26,9           | 340  | 230  | 3,5    | 117364         |
| RKW 250L | 117289 | 230V ~ | 50   | 57               | 70               | 25,4            | 25,9           | 340  | 230  | 4,4    | 117364         |

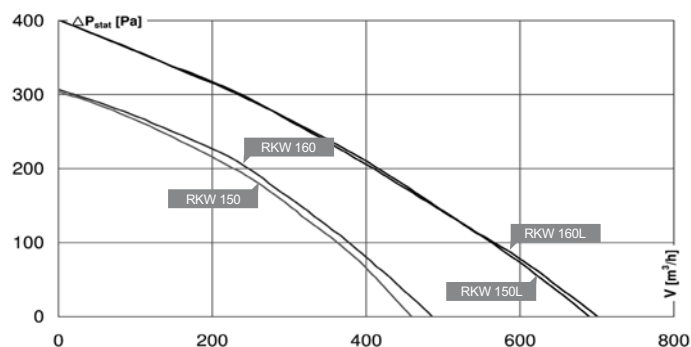
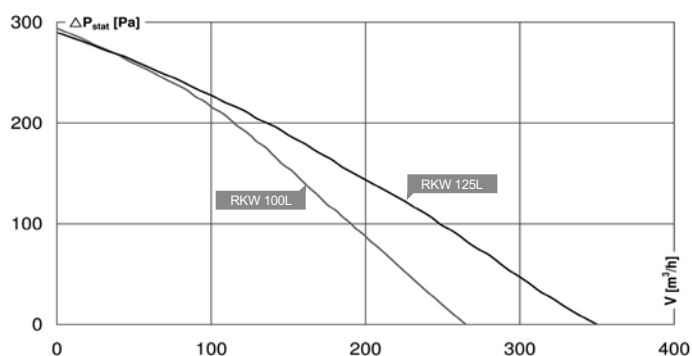




**Specific Accessories**  
For details see page: 150

| 100 mm                                                                                         | 125 mm                                                                                         | 150 mm                                                                                          | 160 mm                                                                                         |      |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------|
|                                                                                                |                                                                                                | <b>RKW 150</b><br>ID 117284<br><br>230V ~/50Hz 55 °C<br>460 m³/h 60 W<br>0,3 A 65/61/54 db(A)   | <b>RKW 160</b><br>ID 117286<br><br>230V ~/50Hz 55 °C<br>490 m³/h 60 W<br>0,3 A 67/64/53 db(A)  | MRV. |
| <b>RKW 100L</b><br>ID 117278<br><br>230V ~/50Hz 70 °C<br>270 m³/h 60 W<br>0,3 A 63/65/53 db(A) | <b>RKW 125L</b><br>ID 117279<br><br>230V ~/50Hz 70 °C<br>350 m³/h 70 W<br>0,3 A 65/64/51 db(A) | <b>RKW 150L</b><br>ID 117283<br><br>230V ~/50Hz 60 °C<br>700 m³/h 100 W<br>0,4 A 70/67/59 db(A) | <b>RKW 160L</b><br>ID 117285<br><br>230V ~/50Hz 60 °C<br>700 m³/h 90 W<br>0,4 A 69/67/57 db(A) | MRV. |

|  |                               |                               |                               |                               |         |
|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------|
|  | <b>MRK 1</b><br>ID 109888     | <b>MRK 1</b><br>ID 109888     | <b>MRK 2</b><br>ID 109889     | <b>MRK 2</b><br>ID 109889     | MYMRK.  |
|  | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | MYSR.   |
|  | <b>VM 100</b><br>ID 102643    | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 160</b><br>ID 102649    | MYMRV.  |
|  | <b>RSK 100</b><br>ID 102658   | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 160</b><br>ID 102661   | MYMR.   |
|  | <b>RSK 100D</b><br>ID 116061  | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 160D</b><br>ID 113485  | MYMR.   |
|  | <b>SG 100 01</b><br>ID 102894 | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 160 01</b><br>ID 102897 | MYMRS.  |
|  | <b>SDS 100</b><br>ID 102709   | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 160</b><br>ID 102717   | MYMRDS. |
|  | <b>SDF 100</b><br>ID 102699   | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 160</b><br>ID 102703   | MYMRDF. |
|  | <b>FV 100</b><br>ID 112678    | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 160</b><br>ID 112831    | MYMRHL. |
|  | <b>FT 100</b><br>ID 112844    | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 160</b><br>ID 112841    | MYMRHO. |
|  | <b>FTW 100</b><br>ID 112849   | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 160</b><br>ID 112852   | MYMRHH. |

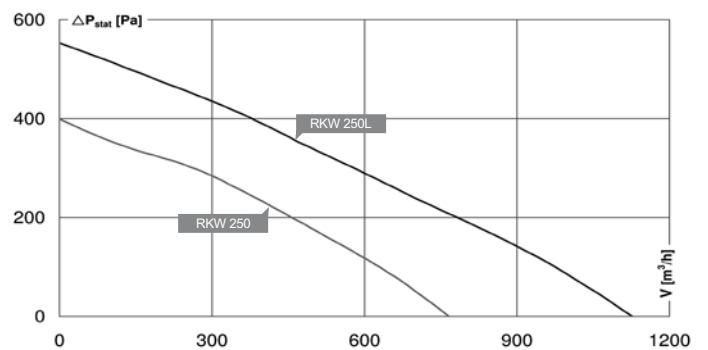
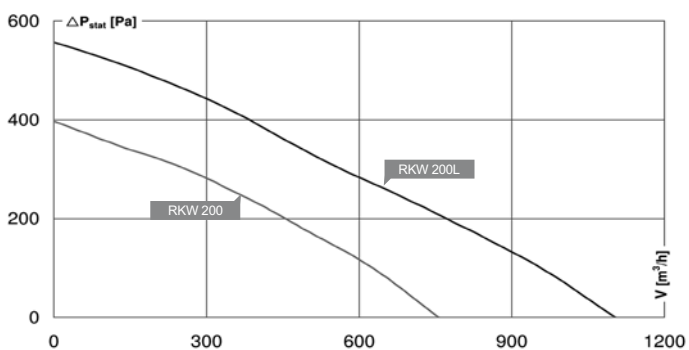


|     | 200 mm                                                       | 250 mm                                                       |  |  |  |
|-----|--------------------------------------------------------------|--------------------------------------------------------------|--|--|--|
| MRW | <b>RKW 200</b><br>ID 117288                                  | <b>RKW 250</b><br>ID 117290                                  |  |  |  |
|     | 230V ~/50Hz 50 °C<br>760 m³/h 95 W<br>0,5 A 71/68/56 db(A)   | 230V ~/50Hz 50 °C<br>770 m³/h 95 W<br>0,5 A 70/70/56 db(A)   |  |  |  |
| MRW | <b>RKW 200L</b><br>ID 117287                                 | <b>RKW 250L</b><br>ID 117289                                 |  |  |  |
|     | 230V ~/50Hz 35 °C<br>1110 m³/h 190 W<br>0,9 A 74/76/62 db(A) | 230V ~/50Hz 35 °C<br>1130 m³/h 185 W<br>0,9 A 70/71/57 db(A) |  |  |  |



**Specific Accessories**  
For details see page: 150

|        |                               |                               |  |  |  |                                                   |                                                                                       |
|--------|-------------------------------|-------------------------------|--|--|--|---------------------------------------------------|---------------------------------------------------------------------------------------|
| MYMRK  | <b>MRK 2</b><br>ID 109889     | <b>MRK 2</b><br>ID 109889     |  |  |  | <b>Mounting Bracket</b>                           |    |
| MYSR   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     |  |  |  | <b>Isolator Switch</b>                            |    |
| MYMRV  | <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    |  |  |  | <b>Fast Clamps</b><br>1 set = 2 pcs.              |    |
| MYMRR  | <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   |  |  |  | <b>Back Draught Shutter</b>                       |   |
| MYMRR  | <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  |  |  |  | <b>Back Draught Shutter with seal</b>             |  |
| MYMRS  | <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 |  |  |  | <b>Protection Grille</b>                          |  |
| MYMRDS | <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   |  |  |  | <b>Duct Silencer rigid, 1 m</b>                   |  |
| MYMRDF | <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   |  |  |  | <b>Duct Silencer flexibel, 1 m</b>                |  |
| MYMRHL | <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    |  |  |  | <b>Filter Box with Mat Filter G3</b>              |  |
| MYMRHO | <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    |  |  |  | <b>Filter Box for Bag Filter Without filter</b>   |  |
| MYMRHH | <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   |  |  |  | <b>Filter Box with Filter F5 and Heating Coil</b> |  |





- forward curved centrifugal fan (MINI 100...160)
- Backward curved centrifugal fan (MINI 200...315)
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Low installation height

The mounting height of the MINI is only slightly larger than the duct diameter. This fan series is often used for low height spaces or ceiling void installation.

### Swing out motor assembly

The motor and wheel section can be tilted out for cleaning.



### Mounting bracket

The integrated mounting bracket saves mounting material and time.



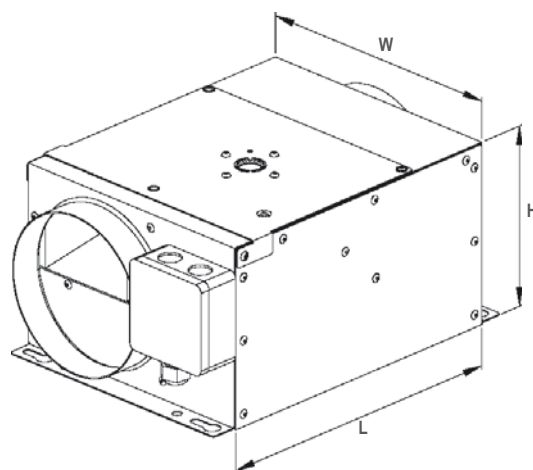
### Connection spigot

An elegant connection spigot is drawn through in the casing wall.



### Swing out motor assembly

For maintenance work the fan can be tilted out.



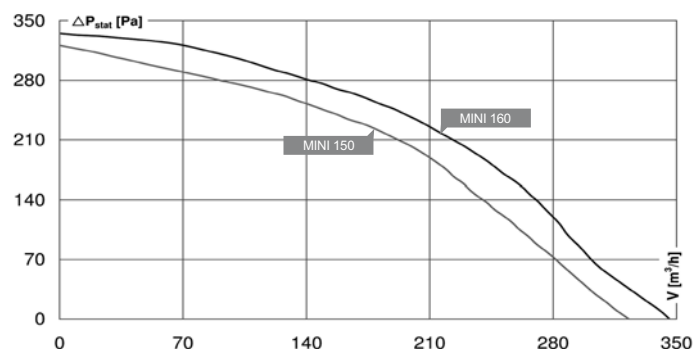
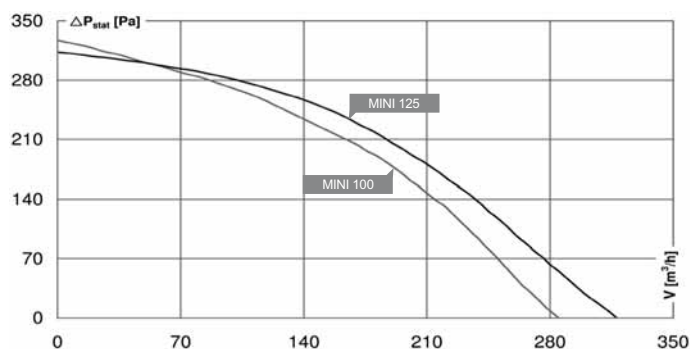
| Type     | ID     | U<br>[V] | f<br>[Hz] | L <sub>WA2</sub><br>[dB (A)] | L <sub>WA5</sub><br>[dB (A)] | η <sub>fa</sub><br>[%] | η <sub>t</sub><br>[%] | L<br>[mm] | W<br>[mm] | H<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|----------|--------|----------|-----------|------------------------------|------------------------------|------------------------|-----------------------|-----------|-----------|-----------|----------------|-------------------|
| MINI 100 | 105462 | 230V ~   | 50        | 47                           | 60                           | 11,3                   | 12,7                  | 300       | 248       | 171       | 5,3            | 116471            |
| MINI 125 | 105464 | 230V ~   | 50        | 50                           | 62                           | 12,5                   | 13,1                  | 300       | 248       | 171       | 5,3            | 116471            |
| MINI 150 | 105466 | 230V ~   | 50        | 50                           | 63                           | 16,4                   | 16,7                  | 300       | 248       | 171       | 5,3            | 116471            |
| MINI 160 | 111523 | 230V ~   | 50        | 50                           | 66                           | 14,4                   | 14,7                  | 300       | 258       | 181       | 5,5            | 116471            |
| MINI 200 | 105468 | 230V ~   | 50        | 55                           | 67                           | 29,4                   | 30,4                  | 400       | 352       | 231       | 8,8            | 116471            |
| MINI 250 | 105470 | 230V ~   | 50        | 58                           | 73                           | 27,7                   | 28,3                  | 400       | 352       | 281       | 10,5           | 116471            |
| MINI 315 | 105472 | 230V ~   | 50        | 60                           | 72                           | 25,7                   | 26,1                  | 400       | 402       | 345       | 12,9           | 116471            |

|      | 100 mm                                                     | 125 mm                                                     | 150 mm                                                      | 160 mm                                                     |  |
|------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|--|
|      | <b>MINI 100</b><br>ID 105462                               | <b>MINI 125</b><br>ID 105464                               | <b>MINI 150</b><br>ID 105466                                | <b>MINI 160</b><br>ID 111523                               |  |
| MRU. | 230V ~/50Hz 60 °C<br>290 m³/h 90 W<br>0,4 A 60/66/47 db(A) | 230V ~/50Hz 60 °C<br>320 m³/h 95 W<br>0,5 A 62/67/50 db(A) | 230V ~/50Hz 60 °C<br>340 m³/h 115 W<br>0,5 A 63/67/50 db(A) | 230V ~/50Hz 55 °C<br>350 m³/h 100 W<br>0,5 A 66/4/50 db(A) |  |
|      |                                                            |                                                            |                                                             |                                                            |  |



**Specific Accessories**  
For details see page: 150

|         |                               |                               |                               |                               |  |                                                             |  |
|---------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|-------------------------------------------------------------|--|
| MYSE.   | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     |  | <b>Electronic Controller</b>                                |  |
| MYSS.   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   |  | <b>5-Step Transformer</b><br>Without motor protection       |  |
| MYSO.   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   |  | <b>7-Step Transformer</b><br>Without motor protection       |  |
| MYSR.   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     |  | <b>Isolator Switch</b>                                      |  |
| MYMRV.  | <b>VM 100</b><br>ID 102643    | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 160</b><br>ID 102649    |  | <b>Fast Clamps</b><br>1 set = 2 pcs.                        |  |
| MYMRR.  | <b>RSK 100</b><br>ID 102658   | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 160</b><br>ID 102661   |  | <b>Back Draught Shutter</b>                                 |  |
| MYMRR.  | <b>RSK 100D</b><br>ID 116061  | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 160D</b><br>ID 113485  |  | <b>Back Draught Shutter</b><br>with seal                    |  |
| MYMRS.  | <b>SG 100 01</b><br>ID 102894 | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 160 01</b><br>ID 102897 |  | <b>Protection Grille</b>                                    |  |
| MYMRDS. | <b>SDS 100</b><br>ID 102709   | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 160</b><br>ID 102717   |  | <b>Duct Silencer</b><br>rigid, 1 m                          |  |
| MYMRDF. | <b>SDF 100</b><br>ID 102699   | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 160</b><br>ID 102703   |  | <b>Duct Silencer</b><br>flexibel, 1 m                       |  |
| MYMRHL. | <b>FV 100</b><br>ID 112678    | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 160</b><br>ID 112831    |  | <b>Filter Box with Mat Filter G3</b>                        |  |
| MYMRHO. | <b>FT 100</b><br>ID 112844    | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 160</b><br>ID 112841    |  | <b>Filter Box for Bag Filter</b><br>Without filter          |  |
| MYMRHH. | <b>FTW 100</b><br>ID 112849   | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 160</b><br>ID 112852   |  | <b>Filter Box with Filter F5 and</b><br><b>Heating Coil</b> |  |

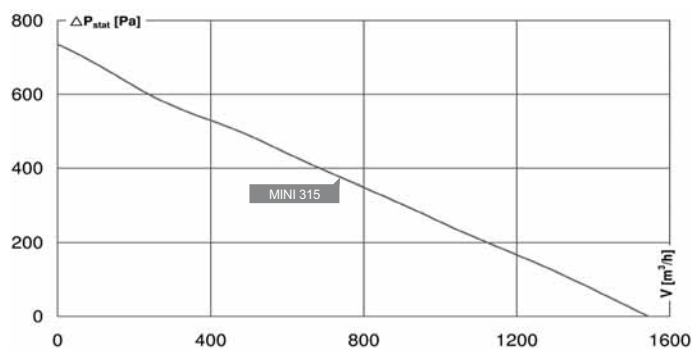
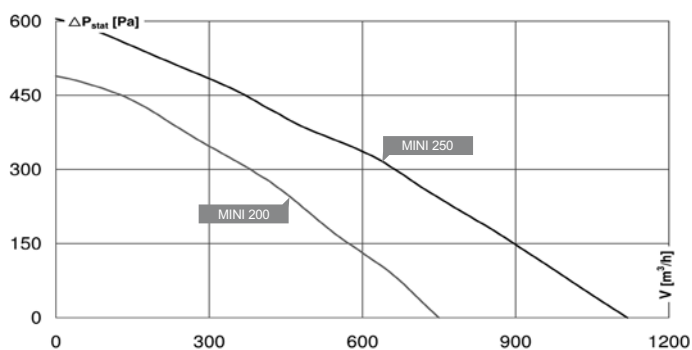




**Specific Accessories**  
 For details see page: 150

| 200 mm                                                                                          | 250 mm                                                                                           | 315 mm                                                                                           |  |      |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|------|
| <b>MINI 200</b><br>ID 105468<br><br>230V ~/50Hz 65 °C<br>750 m³/h 100 W<br>0,5 A 67/71/55 db(A) | <b>MINI 250</b><br>ID 105470<br><br>230V ~/50Hz 60 °C<br>1120 m³/h 200 W<br>0,9 A 73/77/58 db(A) | <b>MINI 315</b><br>ID 105472<br><br>230V ~/50Hz 55 °C<br>1540 m³/h 285 W<br>1,3 A 72/76/60 db(A) |  | MRJ. |
|                                                                                                 |                                                                                                  |                                                                                                  |  |      |

|  |                                                       |                               |                               |                               |  |  |        |
|--|-------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--|--------|
|  | <b>Electronic Controller</b>                          | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 2</b><br>ID 103424     |  |  | MYSE.  |
|  | <b>5-Step Transformer</b><br>Without motor protection | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   |  |  | MYSS.  |
|  | <b>7-Step Transformer</b><br>Without motor protection | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   |  |  | MYSC.  |
|  | <b>Isolator Switch</b>                                | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     |  |  | MYSR.  |
|  | <b>Fast Clamps</b><br>1 set = 2 pcs.                  | <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    | <b>VM 315</b><br>ID 102652    |  |  | MYMRV. |
|  | <b>Back Draught Shutter</b>                           | <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   | <b>RSK 315</b><br>ID 102664   |  |  | MYMRR. |
|  | <b>Back Draught Shutter</b><br>with seal              | <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  | <b>RSK 315D</b><br>ID 113489  |  |  | MYMRR. |
|  | <b>Protection Grille</b>                              | <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 | <b>SG 315 01</b><br>ID 102900 |  |  | MYMRS. |
|  | <b>Duct Silencer</b><br>rigid, 1 m                    | <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   | <b>SDS 315</b><br>ID 102723   |  |  | MYMRD. |
|  | <b>Duct Silencer</b><br>flexibel, 1 m                 | <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   | <b>SDF 315</b><br>ID 102706   |  |  | MYMRD. |
|  | <b>Filter Box with Mat Filter G3</b>                  | <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    | <b>FV 315</b><br>ID 112834    |  |  | MYMRH. |
|  | <b>Filter Box for Bag Filter</b><br>Without filter    | <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    | <b>FT 315</b><br>ID 112846    |  |  | MYMRH. |
|  | <b>Filter Box with Filter F5 and Heating Coil</b>     | <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   | <b>FTW 315</b><br>ID 112855   |  |  | MYMRH. |





- forward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Inexpensive acoustic insulated fan box

Although this series is fitted with only about 90 % sound absorbing material, we attain almost the same noise data as a fully insulated box.

### High quality mineral insulation material

The rock wool insulating material used has a high spatial density of 88 kg/m<sup>3</sup>, which also absorb lower frequencies much better. The glass fiber sealed surface prevents until 36 m/s flow velocity the escape of fibers. The insulation fulfills fire classification A2.

### Compact and quiet

The forward curved fan impellers have a high power density and low and subjective pleasant broadband noise.



### Mounting bracket

The integrated mounting bracket saves mounting material and time.



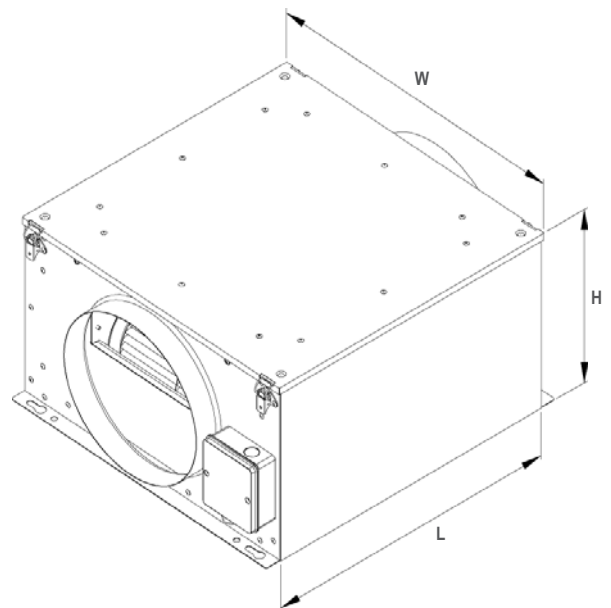
### Connection spigot

An elegant connection spigot is drawn through in the casing wall.



### Housing with quick release fastener

The quick release fastener allows for easy access to the fan.



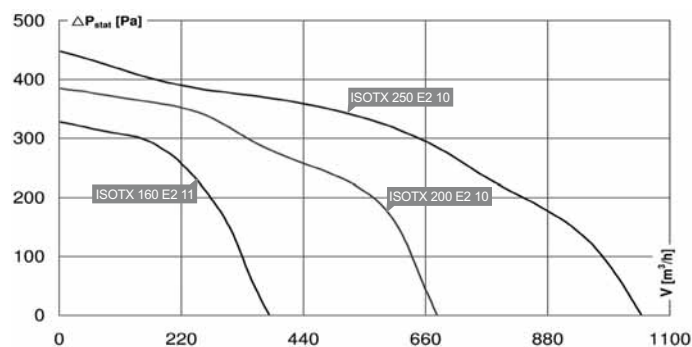
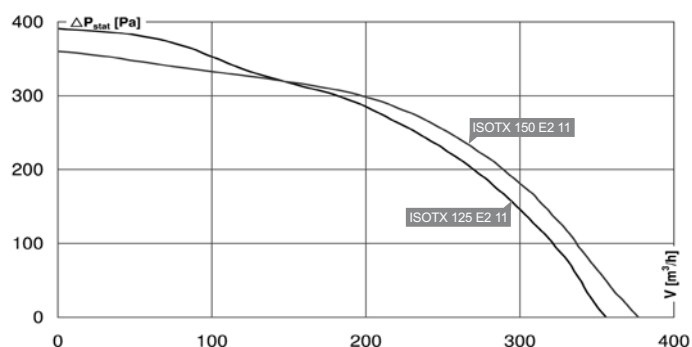
| Type            | ID     | U<br>[V] | f<br>[Hz] | L <sub>WA2</sub><br>[dB (A)] | L <sub>WA5</sub><br>[dB (A)] | η <sub>fa</sub><br>[%] | η <sub>t</sub><br>[%] | L<br>[mm] | W<br>[mm] | H<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|-----------------|--------|----------|-----------|------------------------------|------------------------------|------------------------|-----------------------|-----------|-----------|-----------|----------------|-------------------|
| ISOTX 125 E2 11 | 114879 | 230V ~   | 50        | 50                           | 53                           | 17,3                   | 18,3                  | 384       | 383       | 232       | 10,1           | 116985            |
| ISOTX 150 E2 11 | 114880 | 230V ~   | 50        | 44                           | 51                           | 16,5                   | 17,0                  | 384       | 383       | 232       | 10,3           | 116985            |
| ISOTX 160 E2 11 | 114871 | 230V ~   | 50        | 46                           | 53                           | 17,4                   | 17,7                  | 384       | 383       | 232       | 10,1           | 116985            |
| ISOTX 200 E2 10 | 114856 | 230V ~   | 50        | 53                           | 60                           | 23,3                   | 25,0                  | 384       | 383       | 286       | 11,2           | 116985            |
| ISOTX 250 E2 10 | 114853 | 230V ~   | 50        | 57                           | 62                           | 26,5                   | 28,5                  | 466       | 482       | 287       | 15,0           | 116985            |
| ISOTX 315 E2 10 | 114864 | 230V ~   | 50        | 57                           | 63                           | 28,7                   | 30,8                  | 516       | 542       | 386       | 22,5           | 116998            |
| ISOTX 355 E4 11 | 114869 | 230V ~   | 50        | 60                           | 63                           | 31,5                   | 33,4                  | 656       | 682       | 491       | 43,2           | 116984            |
| ISOTX 400 E4 11 | 114870 | 230V ~   | 50        | 56                           | 61                           | 30,8                   | 33,0                  | 656       | 682       | 491       | 43,0           | 116984            |



**Specific Accessories**  
For details see page: 150

| 125 mm                                                      | 150 mm                                                      | 160 mm                                                      | 200 mm                                                      | 250 mm                                                       |      |
|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|------|
| <b>ISOTX 125 E2 11</b><br>ID 114879                         | <b>ISOTX 150 E2 11</b><br>ID 114880                         | <b>ISOTX 160 E2 11</b><br>ID 114871                         | <b>ISOTX 200 E2 10</b><br>ID 114856                         | <b>ISOTX 250 E2 10</b><br>ID 114853                          | MRTX |
| 230V ~/50Hz 55 °C<br>360 m³/h 110 W<br>0,5 A 53/68/50 db(A) | 230V ~/50Hz 50 °C<br>370 m³/h 100 W<br>0,5 A 51/66/44 db(A) | 230V ~/50Hz 55 °C<br>380 m³/h 100 W<br>0,5 A 53/66/46 db(A) | 230V ~/50Hz 70 °C<br>680 m³/h 170 W<br>0,8 A 60/71/53 db(A) | 230V ~/50Hz 60 °C<br>1050 m³/h 280 W<br>1,3 A 62/74/57 db(A) |      |
|                                                             |                                                             |                                                             |                                                             |                                                              |      |

|  |                                                             |                               |                               |                               |                               |                               |        |
|--|-------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------|
|  | <b>Electronic Controller</b>                                | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 2</b><br>ID 103424     | MYSE   |
|  | <b>5-Step Transformer</b><br>Without motor protection       | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | MYSS   |
|  | <b>7-Step Transformer</b><br>Without motor protection       | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | MYSO   |
|  | <b>Isolator Switch</b>                                      | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | MYSR   |
|  | <b>Fast Clamps</b><br>1 set = 2 pcs.                        | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 160</b><br>ID 102649    | <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    | MYMRV  |
|  | <b>Back Draught Shutter</b>                                 | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 160</b><br>ID 102661   | <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   | MYMRR  |
|  | <b>Back Draught Shutter</b><br>with seal                    | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 160D</b><br>ID 113485  | <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  | MYMRR  |
|  | <b>Protection Grille</b>                                    | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 160 01</b><br>ID 102897 | <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 | MYMRS  |
|  | <b>Duct Silencer</b><br>rigid, 1 m                          | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 160</b><br>ID 102717   | <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   | MYMRDS |
|  | <b>Duct Silencer</b><br>flexibel, 1 m                       | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 160</b><br>ID 102703   | <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   | MYMRDE |
|  | <b>Filter Box with Mat Filter G3</b>                        | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 160</b><br>ID 112831    | <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    | MYMRHL |
|  | <b>Filter Box for Bag Filter</b><br>Without filter          | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 160</b><br>ID 112841    | <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    | MYMRHO |
|  | <b>Filter Box with Filter F5 and</b><br><b>Heating Coil</b> | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 160</b><br>ID 112852   | <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   | MYMRHH |



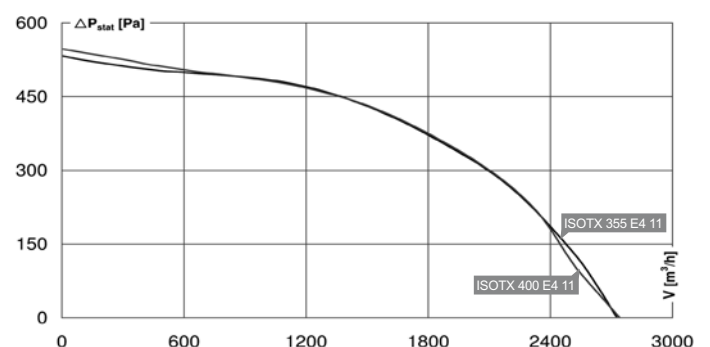
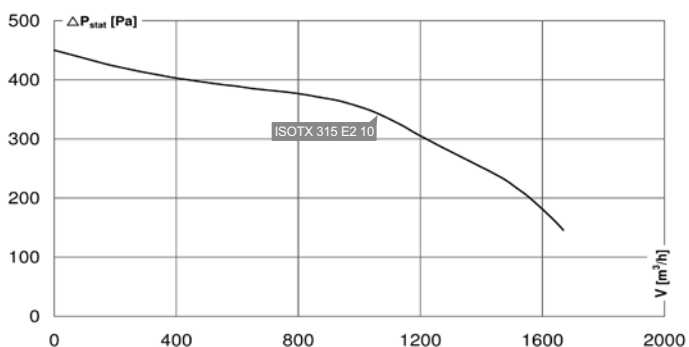


|       | 315 mm                                                       | 355 mm                                                       | 400 mm                                                       |  |  |
|-------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--|--|
|       | <b>ISOTX 315 E2 10</b><br>ID 114864                          | <b>ISOTX 355 E4 11</b><br>ID 114869                          | <b>ISOTX 400 E4 11</b><br>ID 114870                          |  |  |
| MRITX | 230V ~/50Hz 50 °C<br>1660 m³/h 470 W<br>2,5 A 63/75/57 db(A) | 230V ~/50Hz 50 °C<br>2730 m³/h 940 W<br>4,5 A 63/75/60 db(A) | 230V ~/50Hz 45 °C<br>2740 m³/h 950 W<br>4,6 A 61/75/56 db(A) |  |  |
|       |                                                              |                                                              |                                                              |  |  |
|       |                                                              |                                                              |                                                              |  |  |



**Specific Accessories**  
For details see page: 150

|        |                               |                              |                              |  |  |                                                       |  |
|--------|-------------------------------|------------------------------|------------------------------|--|--|-------------------------------------------------------|--|
| MYSM   | <b>TEM 035</b><br>ID 103502   | <b>TEM 050</b><br>ID 103519  | <b>TEM 050</b><br>ID 103519  |  |  | <b>5-Step Transformer</b><br>With motor protection    |  |
| MYSO   | <b>TES 035</b><br>ID 103954   | <b>TES 050</b><br>ID 103955  | <b>TES 050</b><br>ID 103955  |  |  | <b>7-Step Transformer</b><br>Without motor protection |  |
| MYSR   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787    | <b>GS 01</b><br>ID 102787    |  |  | <b>Isolator Switch</b>                                |  |
| MYMRV  | <b>VM 315</b><br>ID 102652    | <b>VM 355</b><br>ID 102653   | <b>VM 400</b><br>ID 102654   |  |  | <b>Fast Clamps</b><br>1 set = 2 pcs.                  |  |
| MYMR   | <b>RSK 315</b><br>ID 102664   | <b>RSK 355</b><br>ID 102665  | <b>RSK 400</b><br>ID 102691  |  |  | <b>Back Draught Shutter</b>                           |  |
| MYMRD  | <b>RSK 315D</b><br>ID 113489  | <b>RSK 355D</b><br>ID 113491 | <b>RSK 400D</b><br>ID 113490 |  |  | <b>Back Draught Shutter</b><br>with seal              |  |
| MYMRS  | <b>SG 315 01</b><br>ID 102900 |                              |                              |  |  | <b>Protection Grille</b>                              |  |
| MYMRDS | <b>SDS 315</b><br>ID 102723   | <b>SDS 355</b><br>ID 102725  | <b>SDS 400</b><br>ID 102727  |  |  | <b>Duct Silencer</b><br>rigid, 1 m                    |  |
| MYMRDF | <b>SDF 315</b><br>ID 102706   | <b>SDF 355</b><br>ID 102707  | <b>SDF 400</b><br>ID 102708  |  |  | <b>Duct Silencer</b><br>flexibel, 1 m                 |  |
| MYMRHL | <b>FV 315</b><br>ID 112834    | <b>FV 355</b><br>ID 112835   | <b>FV 400</b><br>ID 112836   |  |  | <b>Filter Box with Mat Filter G3</b>                  |  |
| MYMRHO | <b>FT 315</b><br>ID 112846    | <b>FT 355</b><br>ID 112847   | <b>FT 400</b><br>ID 112848   |  |  | <b>Filter Box for Bag Filter</b><br>Without filter    |  |
| MYMRHH | <b>FTW 315</b><br>ID 112855   | <b>FTW 355</b><br>ID 112856  | <b>FTW 400</b><br>ID 112857  |  |  | <b>Filter Box with Filter F5 and Heating Coil</b>     |  |





- forward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Fully insulated fan box

This series is supplied with high-quality, noise absorbing mineral insulation material on all sides and thus provides maximum noise reduction.

### High quality mineral insulation material

The rock wool insulating material used has a high spatial density of 88 kg/m<sup>3</sup>, which also absorb lower frequencies much better. The glass fiber sealed surface prevents until 36 m/s flow velocity the escape of fibers. The insulation fulfills fire classification A2.

### Compact and quiet

The forward curved fan impellers have a high power density and low and subjective pleasant broadband noise.



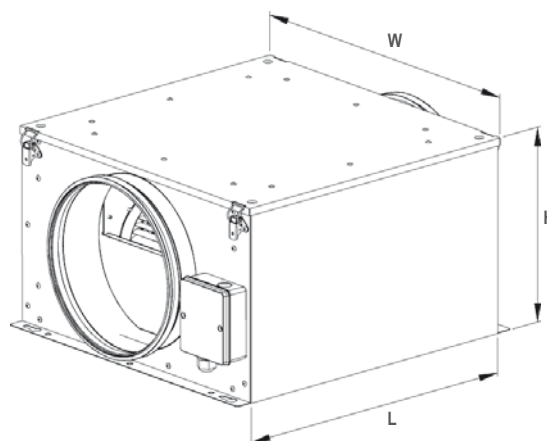
### Fully insulated

Insulation is recessed in sheet metal frame.



### Inlet protection grille

A protection grille at the ventilator inlet prevents unintended intervention and the incursion of large foreign objects in the wheel.



| Type           | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|----------------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|                |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| ISOT 125 E2 11 | 114875 | 230V ~ | 50   | 48               | 51               | 16,1            | 17,0           | 384  | 383  | 232  | 10,8   | 116985         |
| ISOT 125 E2 10 | 114876 | 230V ~ | 50   | 48               | 51               | 15,9            | 16,3           | 384  | 383  | 232  | 11,1   | 116985         |
| ISOT 150 E2 11 | 114877 | 230V ~ | 50   | 48               | 52               | 16,2            | 16,7           | 384  | 383  | 232  | 10,8   | 116985         |
| ISOT 160 E2 11 | 114872 | 230V ~ | 50   | 49               | 55               | 16,6            | 16,9           | 384  | 383  | 232  | 10,8   | 116985         |
| ISOT 200 E2 10 | 114855 | 230V ~ | 50   | 54               | 58               | 23,8            | 25,5           | 384  | 383  | 286  | 12,5   | 116985         |
| ISOT 250 E2 10 | 114854 | 230V ~ | 50   | 52               | 58               | 24,5            | 26,3           | 466  | 482  | 287  | 16,4   | 116985         |
| ISOT 250 E4 11 | 114859 | 230V ~ | 50   | 54               | 59               | 20,1            | 22,1           | 516  | 542  | 386  | 28,7   | 116984         |
| ISOT 315 E2 10 | 114860 | 230V ~ | 50   | 60               | 62               | 25,7            | 27,3           | 516  | 542  | 386  | 24,3   | 116998         |
| ISOT 355 E4 11 | 114867 | 230V ~ | 50   | 57               | 62               | 28,8            | 30,6           | 656  | 682  | 491  | 43,0   | 116984         |
| ISOT 400 E4 11 | 114868 | 230V ~ | 50   | 56               | 64               | 29,0            | 30,8           | 656  | 682  | 491  | 43,1   | 116984         |
| ISOT 500 E4 05 | 104409 | 230V ~ | 50   | -                | 59               | 30,1            | 41,3           | 661  | 880  | 587  | 67,8   | 116643         |

|       | 125 mm                                                                         | 150 mm                                                                         | 160 mm                                                                         | 200 mm                                                                         | 250 mm                                                                         |
|-------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| MRITV | <b>ISOT 125 E2 11</b><br>ID 114875                                             | <b>ISOT 150 E2 11</b><br>ID 114877                                             | <b>ISOT 160 E2 11</b><br>ID 114872                                             | <b>ISOT 200 E2 10</b><br>ID 114855                                             | <b>ISOT 250 E2 10</b><br>ID 114854                                             |
|       | 230V ~/50Hz 55 °C<br>370 m³/h 110 W<br>0,5 A 51/66/48 db(A)                    | 230V ~/50Hz 50 °C<br>380 m³/h 110 W<br>0,5 A 52/67/48 db(A)                    | 230V ~/50Hz 50 °C<br>390 m³/h 110 W<br>0,5 A 55/69/49 db(A)                    | 230V ~/50Hz 60 °C<br>710 m³/h 170 W<br>0,8 A 58/71/54 db(A)                    | 230V ~/50Hz 60 °C<br>1050 m³/h 290 W<br>1,3 A 58/73/52 db(A)                   |
|       | <b>MTY 1</b> ID 103428<br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | <b>MTY 1</b> ID 103428<br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | <b>MTY 1</b> ID 103428<br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | <b>MTY 1</b> ID 103428<br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | <b>MTY 2</b> ID 103424<br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 |
|       | <b>ISOT 125 E2 10</b><br>ID 114876                                             |                                                                                |                                                                                |                                                                                | <b>ISOT 250 E4 11</b><br>ID 114859                                             |
| MRITV | 230V ~/50Hz 50 °C<br>290 m³/h 100 W<br>0,5 A 51/66/48 db(A)                    |                                                                                |                                                                                |                                                                                | 230V ~/50Hz 40 °C<br>1560 m³/h 430 W<br>2,1 A 59/72/54 db(A)                   |
|       | <b>MTY 1</b> ID 103428<br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 |                                                                                |                                                                                |                                                                                | <b>TEM 035</b> ID 103502<br><b>TES 035</b> ID 103954                           |
|       |                                                                                |                                                                                |                                                                                |                                                                                |                                                                                |
|       |                                                                                |                                                                                |                                                                                |                                                                                |                                                                                |

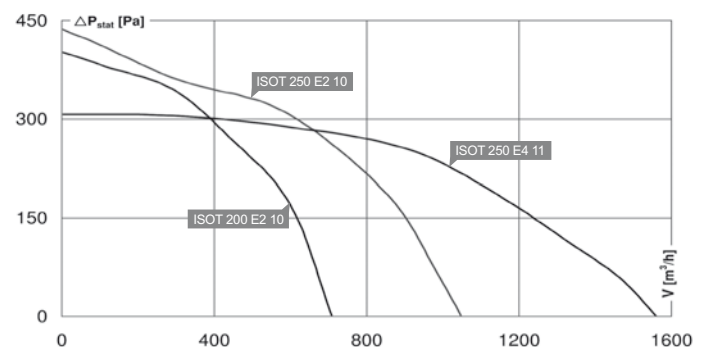
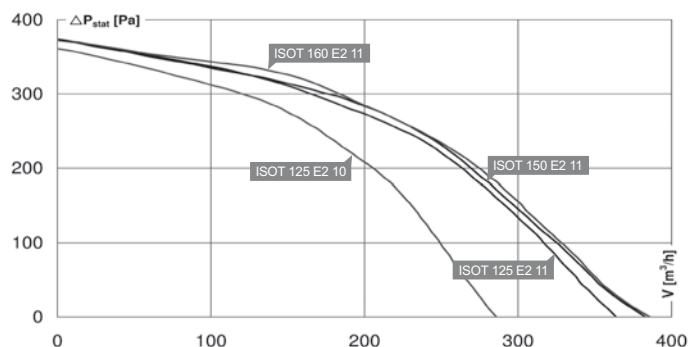

**Specific Accessories**  
 For details see page: 150

**MTY . . .**  
 Electronic Controller

**TEE . . .**  
 5-Step Transformer  
 Without motor protection

**TES . . .**  
 7-Step Transformer  
 Without motor protection


|        |                               |                               |                               |                               |                               |                                                   |  |
|--------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------------------------|--|
| MYSR   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>Isolator Switch</b>                            |  |
| MYMRV  | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 160</b><br>ID 102649    | <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    | <b>Fast Clamps</b><br>1 set = 2 pcs.              |  |
| MYMRR  | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 160</b><br>ID 102661   | <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   | <b>Back Draught Shutter</b>                       |  |
| MYMRR  | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 160D</b><br>ID 113485  | <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  | <b>Back Draught Shutter with seal</b>             |  |
| MYMRS  | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 160 01</b><br>ID 102897 | <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 | <b>Protection Grille</b>                          |  |
| MYMRDS | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 160</b><br>ID 102717   | <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   | <b>Duct Silencer rigid, 1 m</b>                   |  |
| MYMRDF | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 160</b><br>ID 102703   | <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   | <b>Duct Silencer flexibel, 1 m</b>                |  |
| MYMRHL | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 160</b><br>ID 112831    | <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    | <b>Filter Box with Mat Filter G3</b>              |  |
| MYMRHO | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 160</b><br>ID 112841    | <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    | <b>Filter Box for Bag Filter Without filter</b>   |  |
| MYMRHH | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 160</b><br>ID 112852   | <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   | <b>Filter Box with Filter F5 and Heating Coil</b> |  |
|        |                               |                               |                               |                               |                               |                                                   |  |
|        |                               |                               |                               |                               |                               |                                                   |  |
|        |                               |                               |                               |                               |                               |                                                   |  |

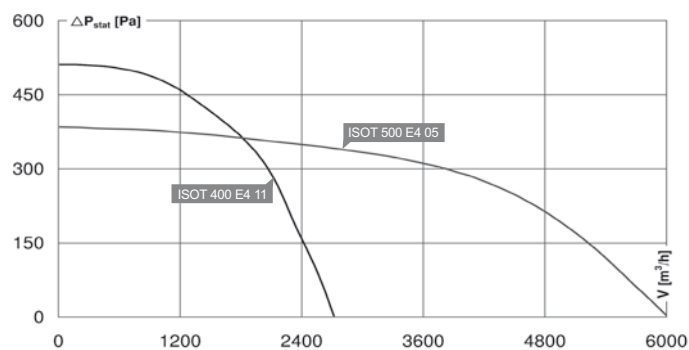
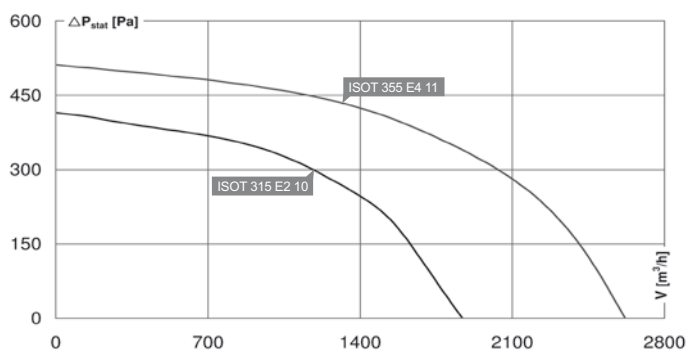




**Specific Accessories**  
 For details see page: 150

| 315 mm                                                                                                 | 355 mm                                                                                                 | 400 mm                                                                                                 | 500 mm                                                                                                  |      |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------|
| <b>ISOT 315 E2 10</b><br>ID 114860<br><br>230V ~/50Hz 40 °C<br>1700 m³/h 520 W<br>2,4 A 62/74/60 db(A) | <b>ISOT 355 E4 11</b><br>ID 114867<br><br>230V ~/50Hz 45 °C<br>2620 m³/h 970 W<br>4,6 A 62/75/57 db(A) | <b>ISOT 400 E4 11</b><br>ID 114868<br><br>230V ~/50Hz 50 °C<br>2720 m³/h 980 W<br>4,7 A 64/74/56 db(A) | <b>ISOT 500 E4 05</b><br>ID 104409<br><br>230V ~/50Hz 40 °C<br>6020 m³/h 1.490 W<br>6,9 A 59/76/- db(A) | MRTV |
|                                                                                                        |                                                                                                        |                                                                                                        |                                                                                                         |      |

|                                                       |                               |                              |                              |                             |        |
|-------------------------------------------------------|-------------------------------|------------------------------|------------------------------|-----------------------------|--------|
| <b>5-Step Transformer</b><br>With motor protection    | <b>TEM 035</b><br>ID 103502   | <b>TEM 050</b><br>ID 103519  | <b>TEM 050</b><br>ID 103519  | <b>TEM 075</b><br>ID 103507 | MYSM   |
| <b>7-Step Transformer</b><br>Without motor protection | <b>TES 035</b><br>ID 103954   | <b>TES 050</b><br>ID 103955  | <b>TES 050</b><br>ID 103955  | <b>TES 075</b><br>ID 103957 | MYSO   |
| <b>Isolator Switch</b>                                | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787    | <b>GS 01</b><br>ID 102787    | <b>GS 01</b><br>ID 102787   | MYSR   |
| <b>Fast Clamps</b><br>1 set = 2 pcs.                  | <b>VM 315</b><br>ID 102652    | <b>VM 355</b><br>ID 102653   | <b>VM 400</b><br>ID 102654   | <b>VM 500</b><br>ID 118094  | MYMRV  |
| <b>Back Draught Shutter</b>                           | <b>RSK 315</b><br>ID 102664   | <b>RSK 355</b><br>ID 102665  | <b>RSK 400</b><br>ID 102691  |                             | MYMR   |
| <b>Back Draught Shutter</b><br>with seal              | <b>RSK 315D</b><br>ID 113489  | <b>RSK 355D</b><br>ID 113491 | <b>RSK 400D</b><br>ID 113490 |                             | MYMR   |
| <b>Protection Grille</b>                              | <b>SG 315 01</b><br>ID 102900 |                              |                              |                             | MYMRS  |
| <b>Duct Silencer</b><br>rigid, 1 m                    | <b>SDS 315</b><br>ID 102723   | <b>SDS 355</b><br>ID 102725  | <b>SDS 400</b><br>ID 102727  | <b>SDS 500</b><br>ID 118834 | MYMRDS |
| <b>Duct Silencer</b><br>flexibel, 1 m                 | <b>SDF 315</b><br>ID 102706   | <b>SDF 355</b><br>ID 102707  | <b>SDF 400</b><br>ID 102708  |                             | MYMRDF |
| <b>Filter Box with Mat Filter G3</b>                  | <b>FV 315</b><br>ID 112834    | <b>FV 355</b><br>ID 112835   | <b>FV 400</b><br>ID 112836   |                             | MYMRHL |
| <b>Filter Box for Bag Filter</b><br>Without filter    | <b>FT 315</b><br>ID 112846    | <b>FT 355</b><br>ID 112847   | <b>FT 400</b><br>ID 112848   |                             | MYMRHO |
| <b>Filter Box with Filter F5 and Heating Coil</b>     | <b>FTW 315</b><br>ID 112855   | <b>FTW 355</b><br>ID 112856  | <b>FTW 400</b><br>ID 112857  |                             | MYMRHH |
|                                                       |                               |                              |                              |                             |        |





- forward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Standby fan unit

This boxed fan was specifically developed for the requirements of the Anglo-Saxon market. The fans are alternating. The necessary controls are not included.

### Fully insulated fan box

This series is supplied with high-quality, noise absorbing mineral insulation material on all sides and thus provides maximum noise reduction.

### High quality mineral insulation material

The rock wool insulating material used has a high spatial density of 88 kg/m<sup>3</sup>, which also absorb lower frequencies much better. The glass fiber sealed surface prevents until 36 m/s flow velocity the escape of fibers. The insulation fulfills fire classification A2.



### Connection spigots with rubber seals

Connection spigots with tight rubber sealing system.



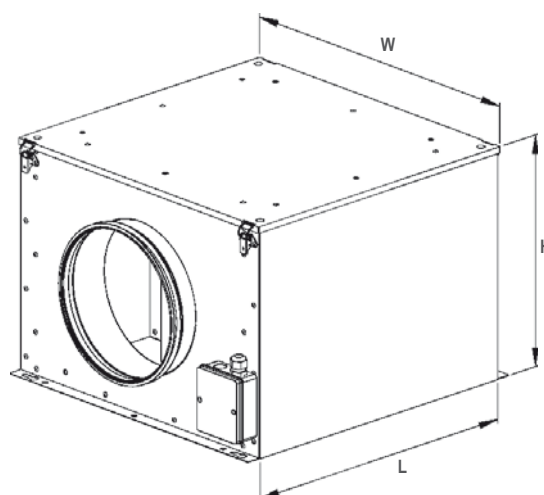
### Smooth operating flaps

The required flaps for standby operation operate smoothly and is suitable for all applications.



### Inlet protection grille

A protection grille at the ventilator inlet prevents unintended intervention and the incursion of large foreign objects in the wheel.



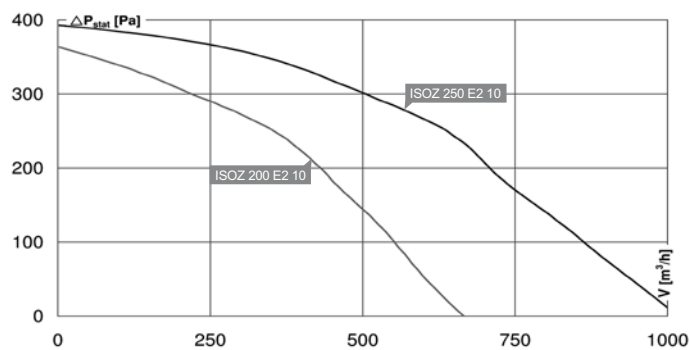
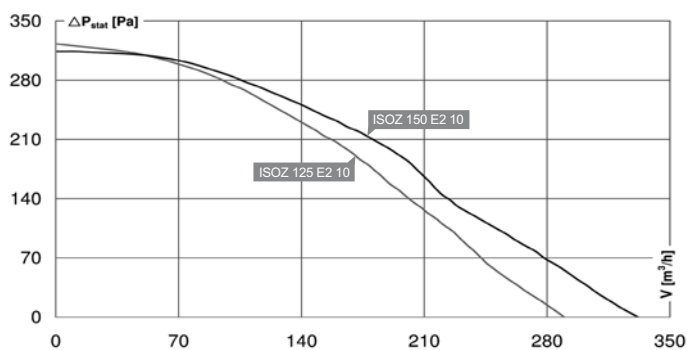
| Type           | ID     | U<br>[V] | f<br>[Hz] | L <sub>WA2</sub><br>[dB (A)] | L <sub>WA5</sub><br>[dB (A)] | η <sub>fa</sub><br>[%] | η <sub>t</sub><br>[%] | L<br>[mm] | W<br>[mm] | H<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|----------------|--------|----------|-----------|------------------------------|------------------------------|------------------------|-----------------------|-----------|-----------|-----------|----------------|-------------------|
| ISOZ 125 E2 10 | 114850 | 230V ~   | 50        | 45                           | 53                           | 14,0                   | 15,3                  | 466       | 482       | 287       | 17,3           | 117712            |
| ISOZ 150 E2 10 | 114851 | 230V ~   | 50        | 46                           | 54                           | 15,4                   | 16,6                  | 466       | 482       | 287       | 17,3           | 117712            |
| ISOZ 200 E2 10 | 114861 | 230V ~   | 50        | 50                           | 57                           | 16,7                   | 18,1                  | 516       | 542       | 386       | 25,9           | 116999            |
| ISOZ 250 E2 10 | 114862 | 230V ~   | 50        | 53                           | 67                           | 20,8                   | 22,5                  | 516       | 542       | 386       | 27,3           | 116999            |
| ISOZ 315 E4 01 | 104381 | 230V ~   | 50        | 59                           | 59                           | 23,9                   | 24,7                  | 661       | 880       | 587       | 71,3           | 116999            |
| ISOZ 355 E4 01 | 104387 | 230V ~   | 50        | 50                           | 57                           | 17,1                   | 17,2                  | 661       | 880       | 587       | 69,2           | 116999            |
| ISOZ 400 E4 01 | 104390 | 230V ~   | 50        | 50                           | 61                           | 24,8                   | 25,5                  | 661       | 880       | 587       | 71,8           | 116999            |



**Specific Accessories**  
For details see page: 150

| 125 mm                                                     | 150 mm                                                     | 200 mm                                                      | 250 mm                                                       |  |      |
|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--|------|
| <b>ISOZ 125 E2 10</b><br>ID 114850                         | <b>ISOZ 150 E2 10</b><br>ID 114851                         | <b>ISOZ 200 E2 10</b><br>ID 114861                          | <b>ISOZ 250 E2 10</b><br>ID 114862                           |  | MRZ. |
| 230V ~/50Hz 70 °C<br>290 m³/h 80 W<br>0,4 A 53/61/45 db(A) | 230V ~/50Hz 70 °C<br>330 m³/h 80 W<br>0,4 A 54/62/46 db(A) | 230V ~/50Hz 70 °C<br>670 m³/h 170 W<br>0,8 A 57/65/50 db(A) | 230V ~/50Hz 75 °C<br>1020 m³/h 270 W<br>1,2 A 67/70/53 db(A) |  |      |
|                                                            |                                                            |                                                             |                                                              |  |      |

|  |                                                       |                               |                               |                               |                               |  |         |
|--|-------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|---------|
|  | <b>Electronic Controller</b>                          | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 2</b><br>ID 103424     |  | MYE.    |
|  | <b>5-Step Transformer</b><br>Without motor protection | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   |  | MYSS.   |
|  | <b>7-Step Transformer</b><br>Without motor protection | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   |  | MYSO.   |
|  | <b>Isolator Switch</b>                                | <b>GS 02</b><br>ID 105386     | <b>GS 02</b><br>ID 105386     | <b>GS 02</b><br>ID 105386     | <b>GS 02</b><br>ID 105386     |  | MYSR.   |
|  | <b>Fast Clamps</b><br>1 set = 2 pcs.                  | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    |  | MYMRV.  |
|  | <b>Back Draught Shutter</b>                           | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   |  | MYMRR.  |
|  | <b>Back Draught Shutter</b><br>with seal              | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  |  | MYMRR.  |
|  | <b>Protection Grille</b>                              | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 |  | MYMRS.  |
|  | <b>Duct Silencer</b><br>rigid, 1 m                    | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   |  | MYMRDS. |
|  | <b>Duct Silencer</b><br>flexibel, 1 m                 | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   |  | MYMRDE. |
|  | <b>Filter Box with Mat Filter G3</b>                  | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    |  | MYMRHL. |
|  | <b>Filter Box for Bag Filter</b><br>Without filter    | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    |  | MYMRHO. |
|  | <b>Filter Box with Filter F5 and Heating Coil</b>     | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   |  | MYMRHH. |





**Specific Accessories**  
For details see page: 150

**5-Step Transformer**  
With motor protection

**7-Step Transformer**  
Without motor protection

**Isolator Switch**

**Fast Clamps**  
1 set = 2 pcs.

**Back Draught Shutter**

**Back Draught Shutter**  
with seal

**Protection Grille**

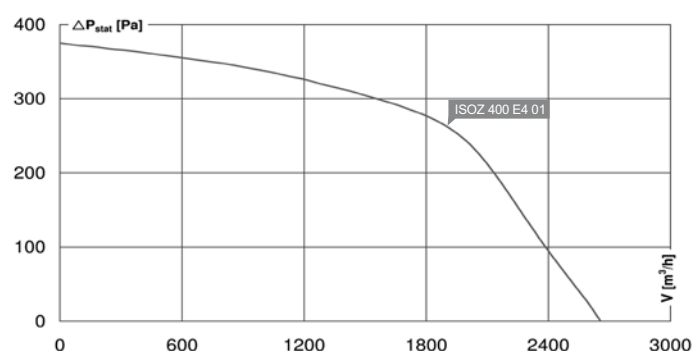
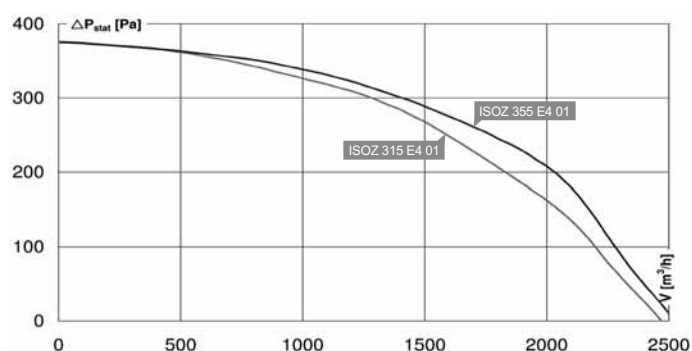
**Duct Silencer**  
rigid, 1 m

**Duct Silencer**  
flexibel, 1 m

**Filter Box with Mat Filter G3**

**Filter Box for Bag Filter**  
Without filter

**Filter Box with Filter F5 and Heating Coil**







- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Motors with 4 speed

The ISORX...S have 4 speed so that the air volume can be changed over a simple multi-switch.

### High quality mineral insulation material

The rock wool insulating material used has a high spatial density of 88 kg/m<sup>3</sup>, which also absorb lower frequencies much better. The glass fiber sealed surface prevents until 36 m/s flow velocity the escape of fibers. The insulation fulfills fire classification A2.

### Swing out fan section

For maintenance work the backward curved impeller fan can be tilted out. Backward curved impeller radial fans have compared to forward curved impeller radial fans a slightly higher efficiency and are more resistant to soiling.



### Connection spigot

An elegant connection spigot is drawn through in the casing wall.



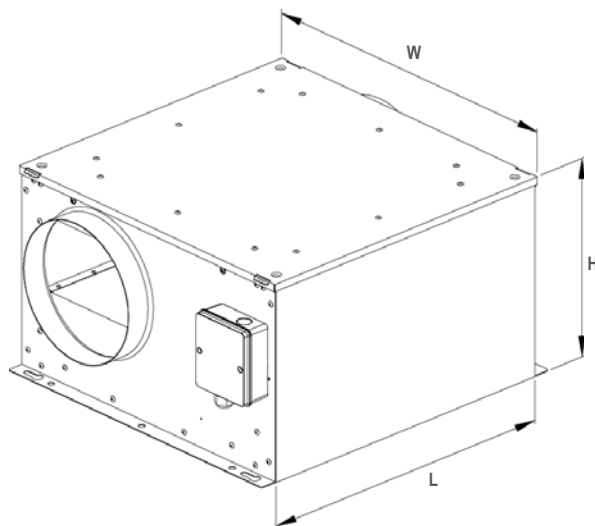
### Mounting bracket

The integrated mounting bracket saves mounting material and time.



### Swing out fan section

For cleaning the fans can be tilted out.



| Type             | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|------------------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|                  |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| ISORX 125 E2S 10 | 115839 | 230V ~ | 50   | 46               | 50               | 20,3            | 22,2           | 384  | 383  | 232  | 10,8   | 117002         |
| ISORX 160 E2S 10 | 115842 | 230V ~ | 50   | 47               | 53               | 21,2            | 21,5           | 384  | 383  | 232  | 10,7   | 117002         |
| ISORX 200 E2S 10 | 115849 | 230V ~ | 50   | 59               | 61               | 32,0            | 34,0           | 466  | 482  | 287  | 16,7   | 117002         |
| ISORX 250 E2S 10 | 115866 | 230V ~ | 50   | 57               | 63               | 32,0            | 34,0           | 466  | 482  | 287  | 16,9   | 117002         |



**Specific Accessories**  
For details see page: 150

Isolator Switch



**Fast Clamps**  
1 set = 2 pcs.



### Back Draught Shutter



**Back Draught Shutter**  
with seal



### Protection Grille



**Duct Silencer**  
rigid, 1 m



**Duct Silencer**  
flexibel, 1 m



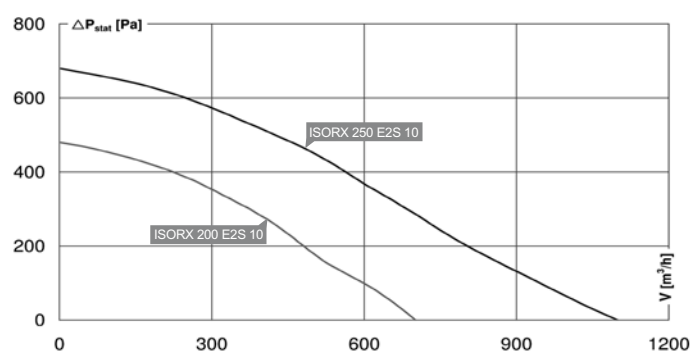
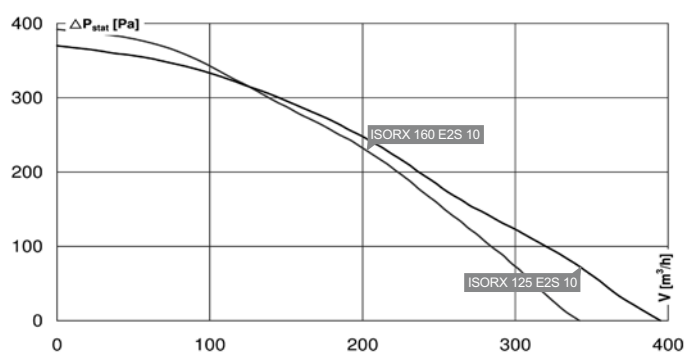
Filter Box with Mat Filter G3



### Filter Box for Bag Filter Without filter



Filter Box with Filter F5 and Heating Coil





- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Fully insulated fan box

This series is supplied with high-quality, noise absorbing mineral insulation material on all sides and thus provides maximum noise reduction.

### High quality mineral insulation material

The rock wool insulating material used has a high spatial density of 88 kg/m<sup>3</sup>, which also absorb lower frequencies much better. The glass fiber sealed surface prevents until 36 m/s flow velocity the escape of fibers. The insulation fulfills fire classification A2.

### Swing out fan section

For maintenance work the backward curved impeller fan can be tilted out. Backward curved impeller radial fans have compared to forward curved impeller radial fans a slightly higher efficiency and are more resistant to soiling.



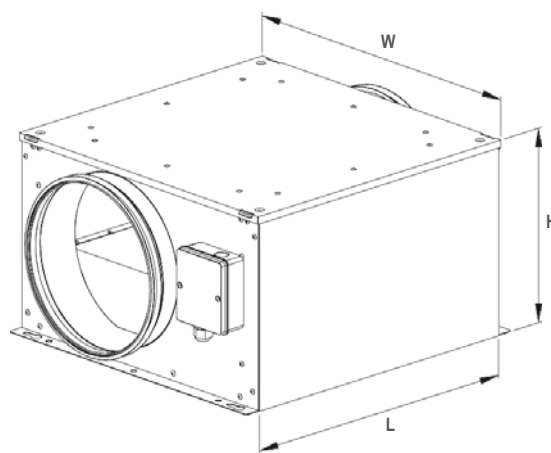
### Fully insulated

Insulation is recessed in sheet metal frame.



### Swing out fan section

For cleaning the fans can be tilted out.



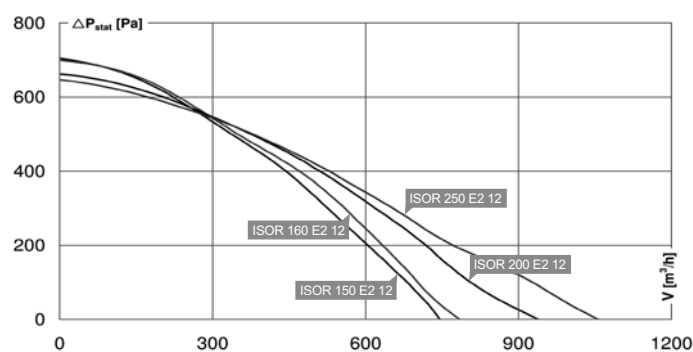
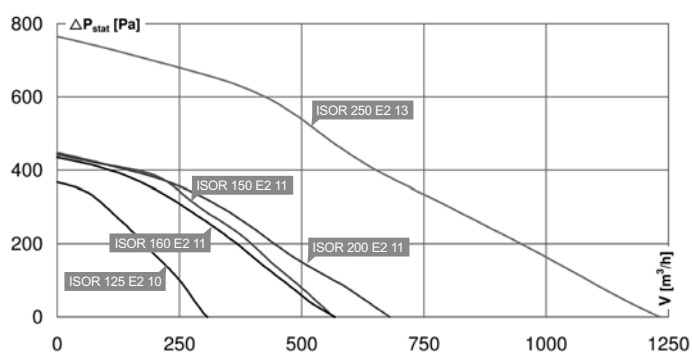
| Type           | ID     | U<br>[V] | f<br>[Hz] | L <sub>WA2</sub><br>[dB (A)] | L <sub>WA5</sub><br>[dB (A)] | η <sub>fa</sub><br>[%] | η <sub>t</sub><br>[%] | L<br>[mm] | W<br>[mm] | H<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|----------------|--------|----------|-----------|------------------------------|------------------------------|------------------------|-----------------------|-----------|-----------|-----------|----------------|-------------------|
| ISOR 125 E2 10 | 114873 | 230V ~   | 50        | 47                           | 51                           | 13,8                   | 14,3                  | 384       | 383       | 232       | 11,4           | 116985            |
| ISOR 150 E2 11 | 114882 | 230V ~   | 50        | 56                           | 58                           | 25,3                   | 27,9                  | 466       | 482       | 287       | 17,9           | 116985            |
| ISOR 150 E2 12 | 114883 | 230V ~   | 50        | 57                           | 60                           | 26,5                   | 28,1                  | 466       | 482       | 287       | 18,4           | 116985            |
| ISOR 160 E2 11 | 114884 | 230V ~   | 50        | 52                           | 55                           | 26,7                   | 27,7                  | 466       | 482       | 287       | 17,6           | 116985            |
| ISOR 160 E2 12 | 114885 | 230V ~   | 50        | 57                           | 60                           | 27,6                   | 29,1                  | 466       | 482       | 287       | 18,6           | 116985            |
| ISOR 200 E2 11 | 114886 | 230V ~   | 50        | 51                           | 56                           | 28,1                   | 28,6                  | 466       | 482       | 287       | 17,6           | 116985            |
| ISOR 200 E2 12 | 114887 | 230V ~   | 50        | 55                           | 59                           | 30,0                   | 30,7                  | 466       | 482       | 287       | 18,5           | 116985            |
| ISOR 250 E2 12 | 114889 | 230V ~   | 50        | 54                           | 61                           | 30,0                   | 30,4                  | 466       | 482       | 287       | 18,4           | 116985            |
| ISOR 250 E2 13 | 114857 | 230V ~   | 50        | 56                           | 61                           | 27,8                   | 28,0                  | 516       | 542       | 386       | 25,4           | 116985            |
| ISOR 315 E2 13 | 114858 | 230V ~   | 50        | 56                           | 62                           | 24,9                   | 26,3                  | 516       | 542       | 386       | 24,9           | 116985            |
| ISOR 355 D4 10 | 114865 | 400V 3~D | 50        | 60                           | 66                           | 37,9                   | 40,7                  | 656       | 682       | 491       | 44,5           | 117140            |
| ISOR 400 D4 10 | 114866 | 400V 3~D | 50        | 59                           | 67                           | 39,8                   | 42,3                  | 656       | 682       | 491       | 43,8           | 117140            |
| ISOR 450 D4 01 | 106651 | 400V 3~D | 50        | 59                           | 68                           | 38,6                   | 39,2                  | 800       | 780       | 548       | 69,5           | 117140            |

|     | 125 mm                                                     | 150 mm                                                      | 160 mm                                                      | 200 mm                                                      | 250 mm                                                       |
|-----|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| MRV | <b>ISOR 125 E2 10</b><br>ID 114873                         | <b>ISOR 150 E2 11</b><br>ID 114882                          | <b>ISOR 160 E2 11</b><br>ID 114884                          | <b>ISOR 200 E2 11</b><br>ID 114886                          | <b>ISOR 250 E2 13</b><br>ID 114857                           |
|     | 230V ~/50Hz 50 °C<br>310 m³/h 70 W<br>0,3 A 51/64/47 db(A) | 230V ~/50Hz 80 °C<br>565 m³/h 100 W<br>0,5 A 58/67/56 db(A) | 230V ~/50Hz 80 °C<br>600 m³/h 95 W<br>0,5 A 55/66/52 db(A)  | 230V ~/50Hz 80 °C<br>680 m³/h 95 W<br>0,4 A 56/68/51 db(A)  | 230V ~/50Hz 70 °C<br>1230 m³/h 280 W<br>1,3 A 61/75/56 db(A) |
| MRV |                                                            | <b>ISOR 150 E2 12</b><br>ID 114883                          | <b>ISOR 160 E2 12</b><br>ID 114885                          | <b>ISOR 200 E2 12</b><br>ID 114887                          | <b>ISOR 250 E2 12</b><br>ID 114889                           |
|     |                                                            | 230V ~/50Hz 60 °C<br>750 m³/h 200 W<br>0,9 A 60/73/57 db(A) | 230V ~/50Hz 60 °C<br>790 m³/h 190 W<br>0,9 A 60/73/57 db(A) | 230V ~/50Hz 60 °C<br>940 m³/h 190 W<br>0,9 A 59/73/55 db(A) | 230V ~/50Hz 55 °C<br>1060 m³/h 200 W<br>0,9 A 61/74/54 db(A) |



**Specific Accessories**  
For details see page: 150

|        |                               |                               |                               |                               |                               |                                                       |  |
|--------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------------------------------|--|
| MYSE   | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 1</b><br>ID 103428     | <b>MTY 2</b><br>ID 103424     | <b>Electronic Controller</b>                          |  |
| MYSS   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>TEE 015</b><br>ID 115893   | <b>5-Step Transformer</b><br>Without motor protection |  |
| MYSO   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>TES 145</b><br>ID 111858   | <b>7-Step Transformer</b><br>Without motor protection |  |
| MYSR   | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>GS 01</b><br>ID 102787     | <b>Isolator Switch</b>                                |  |
| MYMRV  | <b>VM 125</b><br>ID 102647    | <b>VM 150</b><br>ID 102648    | <b>VM 160</b><br>ID 102649    | <b>VM 200</b><br>ID 102650    | <b>VM 250</b><br>ID 102651    | <b>Fast Clamps</b><br>1 set = 2 pcs.                  |  |
| MYMRR  | <b>RSK 125</b><br>ID 102179   | <b>RSK 150</b><br>ID 102660   | <b>RSK 160</b><br>ID 102661   | <b>RSK 200</b><br>ID 102662   | <b>RSK 250</b><br>ID 102686   | <b>Back Draught Shutter</b>                           |  |
| MYMRR  | <b>RSK 125D</b><br>ID 113483  | <b>RSK 150D</b><br>ID 113484  | <b>RSK 160D</b><br>ID 113485  | <b>RSK 200D</b><br>ID 113487  | <b>RSK 250D</b><br>ID 113488  | <b>Back Draught Shutter</b><br>with seal              |  |
| MYMRS  | <b>SG 125 01</b><br>ID 102895 | <b>SG 150 01</b><br>ID 102896 | <b>SG 160 01</b><br>ID 102897 | <b>SG 200 01</b><br>ID 102898 | <b>SG 250 01</b><br>ID 102899 | <b>Protection Grille</b>                              |  |
| MYMRDS | <b>SDS 125</b><br>ID 102712   | <b>SDS 150</b><br>ID 102714   | <b>SDS 160</b><br>ID 102717   | <b>SDS 200</b><br>ID 102719   | <b>SDS 250</b><br>ID 102721   | <b>Duct Silencer</b><br>rigid, 1 m                    |  |
| MYMRDF | <b>SDF 125</b><br>ID 102700   | <b>SDF 150</b><br>ID 102702   | <b>SDF 160</b><br>ID 102703   | <b>SDF 200</b><br>ID 102704   | <b>SDF 250</b><br>ID 102705   | <b>Duct Silencer</b><br>flexibel, 1 m                 |  |
| MYMRHL | <b>FV 125</b><br>ID 112679    | <b>FV 150</b><br>ID 112680    | <b>FV 160</b><br>ID 112831    | <b>FV 200</b><br>ID 112832    | <b>FV 250</b><br>ID 112833    | <b>Filter Box with Mat Filter G3</b>                  |  |
| MYMRHO | <b>FT 125</b><br>ID 112843    | <b>FT 150</b><br>ID 112842    | <b>FT 160</b><br>ID 112841    | <b>FT 200</b><br>ID 112840    | <b>FT 250</b><br>ID 112845    | <b>Filter Box for Bag Filter</b><br>Without filter    |  |
| MYMRHH | <b>FTW 125</b><br>ID 112850   | <b>FTW 150</b><br>ID 112851   | <b>FTW 160</b><br>ID 112852   | <b>FTW 200</b><br>ID 112853   | <b>FTW 250</b><br>ID 112854   | <b>Filter Box with Filter F5 and Heating Coil</b>     |  |



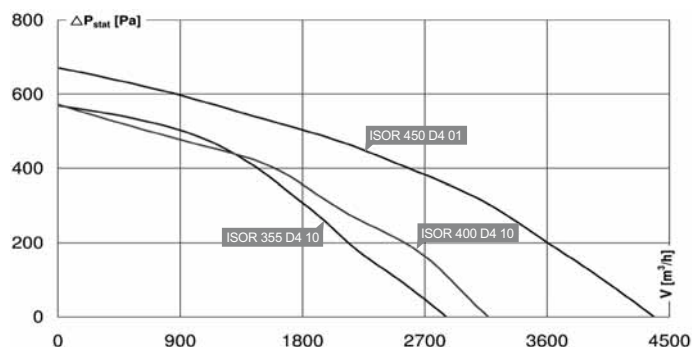
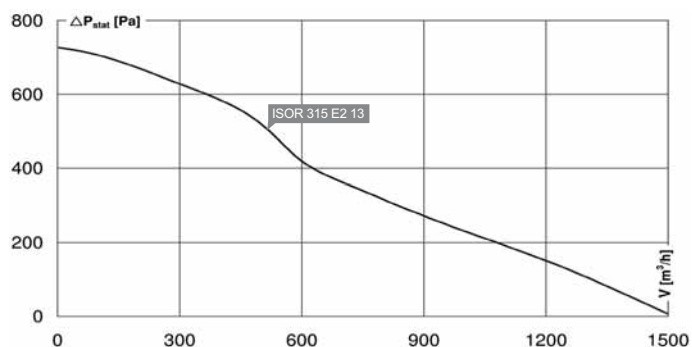


**Specific Accessories**  
For details see page: 150

-  **MTY ...**  
Electronic Controller
-  **TEE ...**  
5-Step Transformer  
Without motor protection
-  **TES ...**  
7-Step Transformer  
Without motor protection
-  **TDS ...**  
7-Step Transformer  
without motor protection, for  
V-connection (Switch Cabinet)
-  **TDM ...**  
5-Step Transformer  
With motor protection

-  **Isolator Switch**
-  **Fast Clamps**  
1 set = 2 pcs.
-  **Back Draught Shutter**
-  **Back Draught Shutter**  
with seal
-  **Protection Grille**
-  **Duct Silencer**  
rigid, 1 m
-  **Duct Silencer**  
flexibel, 1 m
-  **Filter Box with Mat Filter G3**
-  **Filter Box for Bag Filter**  
Without filter
-  **Filter Box with Filter F5 and**  
Heating Coil

| 315 mm                                                                         | 355 mm                                                         | 400 mm                                                         | 450 mm                                                   |  |
|--------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|--|
| <b>ISOR 315 E2 13</b><br>ID 114858                                             | <b>ISOR 355 D4 10</b><br>ID 114865                             | <b>ISOR 400 D4 10</b><br>ID 114866                             | <b>ISOR 450 D4 01</b><br>ID 106651                       |  |
| 230V ~/50Hz 70 °C<br>1510 m³/h 290 W<br>1,3 A 62/74/56 db(A)                   | 400V 3-D/50Hz 60 °C<br>2860 m³/h 475 W<br>1,2 A 66/75/60 db(A) | 400V 3-D/50Hz 60 °C<br>3170 m³/h 510 W<br>1,3 A 67/74/59 db(A) | 400V 3-D/50Hz<br>4390 m³/h 860 W<br>1,8 A 68/78/59 db(A) |  |
| <b>MTY 2</b> ID 103424<br><b>TEE 015</b> ID 115893<br><b>TES 145</b> ID 111858 | <b>TDS 025</b> ID 113663<br><b>TDM 025</b> ID 107628           | <b>TDS 025</b> ID 113663<br><b>TDM 025</b> ID 107628           | <b>TDS 025</b> ID 113663<br><b>TDM 025</b> ID 107628     |  |
|                                                                                |                                                                |                                                                |                                                          |  |
|                                                                                |                                                                |                                                                |                                                          |  |
| <b>GS 01</b><br>ID 102787                                                      | <b>GS 03</b><br>ID 107633                                      | <b>GS 03</b><br>ID 107633                                      | <b>GS 03</b><br>ID 107633                                |  |
| <b>VM 315</b><br>ID 102652                                                     | <b>VM 355</b><br>ID 102653                                     | <b>VM 400</b><br>ID 102654                                     |                                                          |  |
| <b>RSK 315</b><br>ID 102664                                                    | <b>RSK 355</b><br>ID 102665                                    | <b>RSK 400</b><br>ID 102691                                    |                                                          |  |
| <b>RSK 315D</b><br>ID 113489                                                   | <b>RSK 355D</b><br>ID 113491                                   | <b>RSK 400D</b><br>ID 113490                                   |                                                          |  |
| <b>SG 315 01</b><br>ID 102900                                                  |                                                                |                                                                |                                                          |  |
| <b>SDS 315</b><br>ID 102723                                                    | <b>SDS 355</b><br>ID 102725                                    | <b>SDS 400</b><br>ID 102727                                    |                                                          |  |
| <b>SDF 315</b><br>ID 102706                                                    | <b>SDF 355</b><br>ID 102707                                    | <b>SDF 400</b><br>ID 102708                                    |                                                          |  |
| <b>FV 315</b><br>ID 112834                                                     | <b>FV 355</b><br>ID 112835                                     | <b>FV 400</b><br>ID 112836                                     |                                                          |  |
| <b>FT 315</b><br>ID 112846                                                     | <b>FT 355</b><br>ID 112847                                     | <b>FT 400</b><br>ID 112848                                     |                                                          |  |
| <b>FTW 315</b><br>ID 112855                                                    | <b>FTW 355</b><br>ID 112856                                    | <b>FTW 400</b><br>ID 112857                                    |                                                          |  |
|                                                                                |                                                                |                                                                |                                                          |  |





- forward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing



#### Swing out fan section

For cleaning the fans can be tilted out.

#### Powerful forward curved impeller radial fans

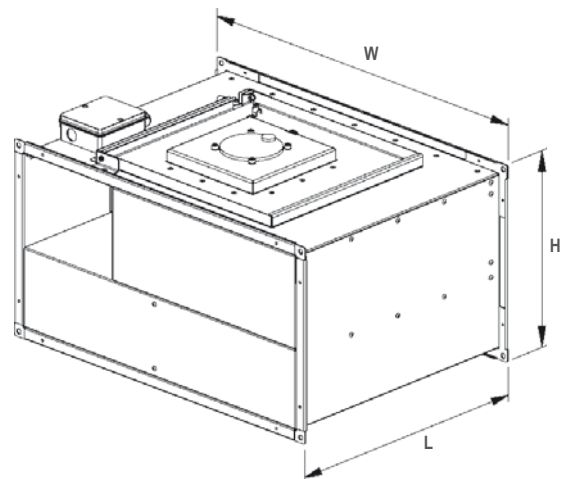
The forward curved impeller radial fans have very high power density and can be variably voltage controlled.

#### For maintenance work the fan can be tilted out

The fans of KVT series can be tilted out for cleaning.

#### Ultrashort design

The length of the revised KVT series was again significantly reduced. This saves valuable transport volume and mounting space.



| Type            | ID     | U        | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|-----------------|--------|----------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|                 |        | [V]      | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| KVT 3015 E2 10  | 116239 | 230V ~   | 50   | 57               | 71               | 25,4            | 27,0           | 275  | 338  | 188  | 8,5    | 116985         |
| KVT 4020 E4 10  | 116138 | 230V ~   | 50   | 53               | 59               | 21,2            | 22,1           | 324  | 438  | 238  | 12,0   | 116985         |
| KVT 5025 E4 10  | 116140 | 230V ~   | 50   | 56               | 69               | 24,9            | 26,2           | 394  | 538  | 288  | 15,6   | 116984         |
| KVT 5030 E4 10  | 116142 | 230V ~   | 50   | 60               | 72               | 31,4            | 33,4           | 562  | 538  | 338  | 18,6   | 116984         |
| KVT 5030 E6 10  | 116272 | 230V ~   | 50   | 53               | 62               | 22,6            | 24,0           | 562  | 538  | 338  | 17,4   | 116984         |
| KVT 6030 E4 10  | 116144 | 230V ~   | 50   | 66               | 73               | 33,3            | 35,5           | 465  | 638  | 338  | 22,8   | 116984         |
| KVT 6035 E4 10  | 116146 | 230V ~   | 50   | 66               | 73               | 32,6            | 34,3           | 465  | 638  | 388  | 23,6   | 116984         |
| KVT 6035 E6 10  | 116312 | 230V ~   | 50   | 59               | 65               | 28,7            | 30,3           | 515  | 638  | 388  | 27,4   | 116984         |
| KVT 5025 D4 10  | 116287 | 400V 3~Y | 50   | 54               | 63               | 34,6            | 34,8           | 532  | 538  | 288  | 15,5   | 116986         |
| KVT 5030 D4 10  | 116275 | 400V 3~Y | 50   | 56               | 68               | 31,2            | 33,1           | 562  | 538  | 338  | 18,6   | 116986         |
| KVT 5030 D6 10  | 116282 | 400V 3~Y | 50   | 51               | 57               | 23,5            | 25,0           | 562  | 538  | 338  | 17,7   | 116986         |
| KVT 6030 D4 10  | 116284 | 400V 3~Y | 50   | 61               | 76               | 38,4            | 40,7           | 465  | 638  | 338  | 22,6   | 116986         |
| KVT 6035 D4 10  | 116280 | 400V 3~Y | 50   | 61               | 75               | 37,6            | 39,7           | 465  | 638  | 388  | 23,3   | 116986         |
| KVT 6035 D4 11  | 116313 | 400V 3~Y | 50   | 65               | 83               | 39,6            | 41,6           | 515  | 638  | 388  | 33,0   | 116986         |
| KVT 6035 D6 10  | 116314 | 400V 3~Y | 50   | 54               | 65               | 35,0            | 36,7           | 515  | 638  | 388  | 27,5   | 116986         |
| KVT 7040 D4 10  | 116148 | 400V 3~Y | 50   | 71               | 82               | 39,6            | 39,8           | 590  | 738  | 438  | 50,4   | 116986         |
| KVT 8050 D4 10  | 116292 | 400V 3~Y | 50   | 66               | 79               | 40,9            | 41,0           | 660  | 838  | 538  | 70,1   | 116986         |
| KVT 8050 D6 10  | 116150 | 400V 3~Y | 50   | 62               | 72               | 41,2            | 43,5           | 660  | 838  | 538  | 70,1   | 116986         |
| KVT 10050 D6 10 | 116152 | 400V 3~Y | 50   | 69               | 80               | 42,2            | 42,4           | 735  | 1038 | 538  | 79,8   | 116986         |



**Specific Accessories**  
For details see page: 150



**MTY . . .**  
Electronic Controller



**TEE . . .**  
5-Step Transformer  
Without motor protection



**TES ...**  
7-Step Transformer  
Without motor protection



**TEM . . .**  
5-Step Transformer  
With motor protection



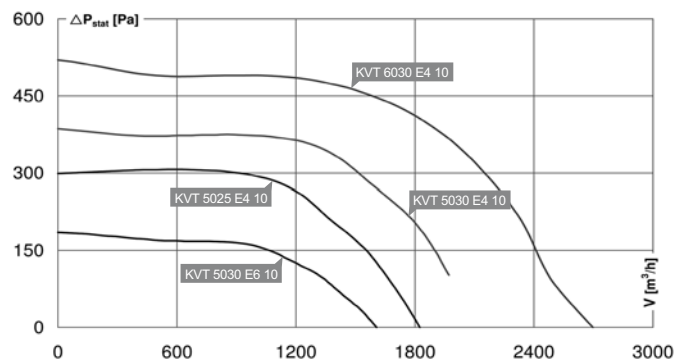
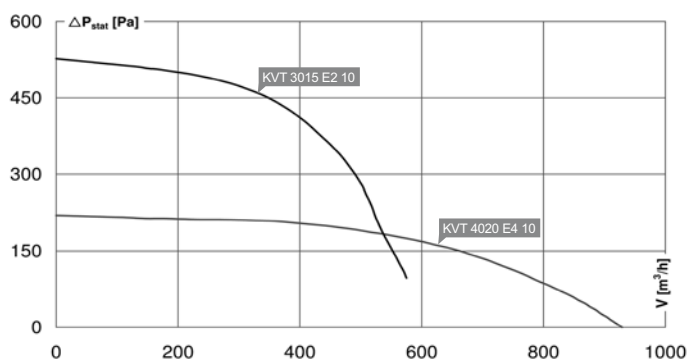
### Isolator Switch



**Duct Collar**  
flexibel



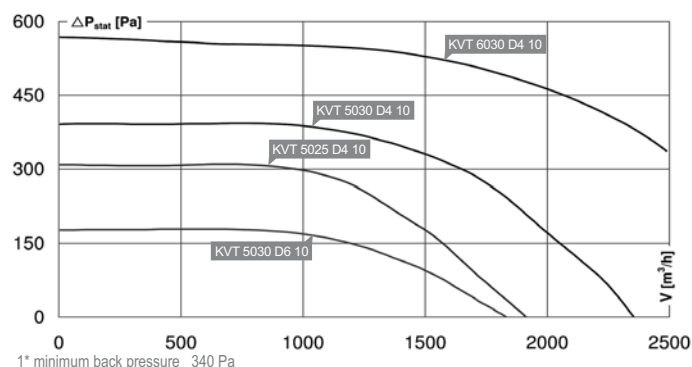
**Dampers**  
automatic

[illegible]





**Dampers**  
automatic



**KVT** Duct Fan, forward curved impeller



### Specific Accessories

**Specific Accessories**  
For details see page: 150



**TDS . . .**  
7-Step Transformer  
without motor protection, for  
V-connection (Switch Cabinet)



**TDM . . .**  
5-Step Transformer  
With motor protection

| 60 / 35 cm                                                       | 60 / 35 cm                                                     | 70 / 40 cm                                                       | 80 / 50 cm                                                       | 100 / 50 cm                                                      |
|------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| <b>KVT 6035 D4 10</b><br>ID 116280 1*                            | <b>KVT 6035 D6 10</b><br>ID 116314                             | <b>KVT 7040 D4 10</b><br>ID 116148                               | <b>KVT 8050 D4 10</b><br>ID 116292 2*                            | <b>KVT 10050 D6 10</b><br>ID 116152                              |
| 400V 3~Y/50Hz 40 °C<br>2800 m³/h 1.430 W<br>2,7 A 75/80/- db(A)  | 400V 3~Y/50Hz 80 °C<br>3220 m³/h 720 W<br>1,7 A 65/69/54 db(A) | 400V 3~Y/50Hz 50 °C<br>6690 m³/h 4.070 W<br>7,4 A 82/88/71 db(A) | 400V 3~Y/50Hz 45 °C<br>7130 m³/h 4.860 W<br>9,6 A 79/-/66 db(A)  | 400V 3~Y/50Hz 60 °C<br>9640 m³/h 3.800 W<br>7,7 A 80/82/69 db(A) |
| <b>TDS 040</b> ID 113666<br><b>TDM 040</b> ID 111556             | <b>TDS 025</b> ID 113663<br><b>TDM 025</b> ID 107628           | <b>TDS 080</b> ID 113668<br><b>TDM 080</b> ID 111558             | <b>TDS 110</b> ID 113670<br><b>TDM 110</b> ID 111559             | <b>TDS 080</b> ID 113668<br><b>TDM 080</b> ID 111558             |
| <b>KVT 6035 D4 11</b><br>ID 116313                               |                                                                |                                                                  | <b>KVT 8050 D6 10</b><br>ID 116150                               |                                                                  |
| 400V 3~Y/50Hz 45 °C<br>4350 m³/h 2.070 W<br>4,0 A 83/88/65 db(A) |                                                                |                                                                  | 400V 3~Y/50Hz 80 °C<br>6720 m³/h 2.280 W<br>4,7 A 72/75/62 db(A) |                                                                  |
| <b>TDS 060</b> ID 113667<br><b>TDM 060</b> ID 111557             |                                                                |                                                                  | <b>TDS 060</b> ID 113667<br><b>TDM 060</b> ID 111557             |                                                                  |



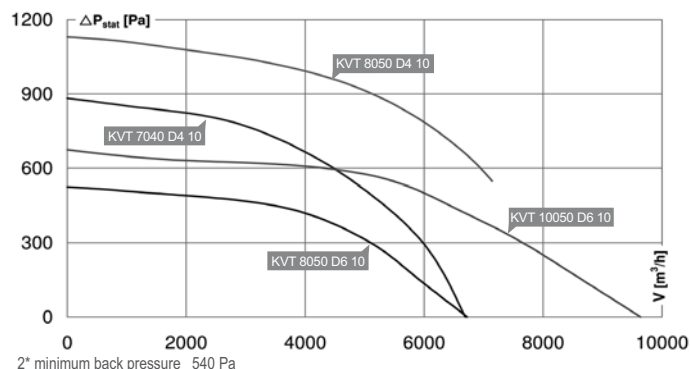
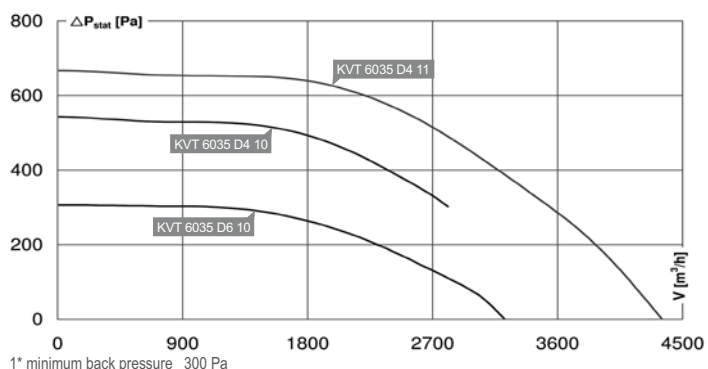
### Isolator Switch



**Duct Collar**  
flexibel



**Dampers**  
automatic

[illegible]



### Powerful backward curved impeller radial fans

The backward curved impeller radial fans have very high efficiency and can be variably voltage controlled.

### For maintenance work the fan can be tilted out

The fans of KVR series can be tilted out for cleaning.

- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing



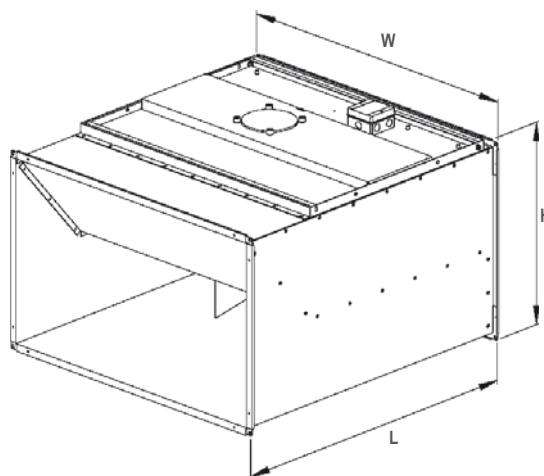
### Standard connection dimensions

20 mm flange profile.



### Swing out fan section

For cleaning the fans can be tilted out.



| Type            | ID     | U<br>[V] | f<br>[Hz] | L <sub>WA2</sub><br>[dB (A)] | L <sub>WA5</sub><br>[dB (A)] | η <sub>fa</sub><br>[%] | η <sub>t</sub><br>[%] | L<br>[mm] | W<br>[mm] | H<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|-----------------|--------|----------|-----------|------------------------------|------------------------------|------------------------|-----------------------|-----------|-----------|-----------|----------------|-------------------|
| KVR 3015 E2 01  | 108981 | 230V ~   | 50        | 53                           | 66                           | 17,8                   | 17,9                  | 402       | 338       | 219       | 7,1            | 116985            |
| KVR 4020 E2 01  | 109367 | 230V ~   | 50        | 60                           | 73                           | 31,0                   | 31,8                  | 502       | 438       | 266       | 11,9           | 116985            |
| KVR 5025 E2 01  | 109033 | 230V ~   | 50        | 59                           | 73                           | 27,6                   | 28,9                  | 532       | 538       | 319       | 15,7           | 116985            |
| KVR 6035 E4 01  | 110238 | 230V ~   | 50        | -                            | -                            | 40,0                   | 40,3                  | 717       | 638       | 437       | 25,0           | 116984            |
| KVR 6035 D4 01  | 110242 | 400V 3~D | 50        | -                            | -                            | 45,3                   | 45,8                  | 717       | 638       | 426       | 28,8           | 117140            |
| KVR 7040 D4 01  | 110249 | 400V 3~  | 50        | -                            | -                            | 45,9                   | 46,5                  | 787       | 737       | 476       | 46,0           | 117140            |
| KVR 8050 D4 01  | 110277 | 400V 3~  | 50        | -                            | -                            | 48,9                   | 49,3                  | 881       | 837       | 575       | 65,7           | 117140            |
| KVR 10050 D4 01 | 110309 | 400V 3~  | 50        | -                            | -                            | 51,8                   | 52,2                  | 981       | 1037      | 575       | 84,5           | 117140            |



**Specific Accessories**  
For details see page: 150

| 30 / 15 cm                                                                  | 40 / 20 cm                                                                    | 50 / 25 cm                                                                    | 60 / 35 cm                                              |  |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|--|
| <b>KVR 3015 E2 01</b><br>ID 108981                                          | <b>KVR 4020 E2 01</b><br>ID 109367                                            | <b>KVR 5025 E2 01</b><br>ID 109033                                            | <b>KVR 6035 E4 01</b><br>ID 110238                      |  |
| 230V ~/50Hz    55 °C<br>450 m³/h        70 W<br>0,3 A        66/69/53 db(A) | 230V ~/50Hz    55 °C<br>1260 m³/h        200 W<br>0,9 A        73/77/60 db(A) | 230V ~/50Hz    50 °C<br>1740 m³/h        290 W<br>1,4 A        73/77/59 db(A) | 230V ~/50Hz    60 °C<br>2880 m³/h        290 W<br>1,4 A |  |
|                                                                             |                                                                               |                                                                               |                                                         |  |



### Electronic Controller



### 5-Step Transformer Without motor protection



### 7-Step Transformer

Without motor protection



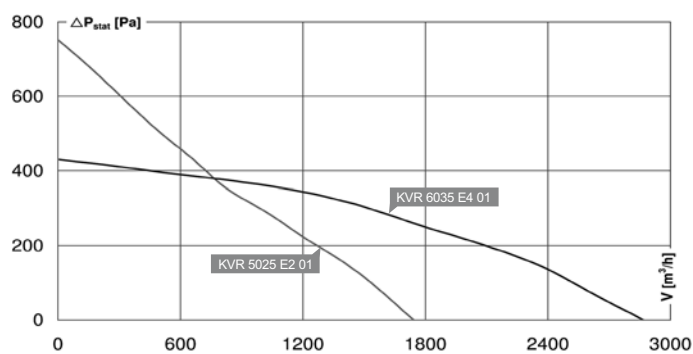
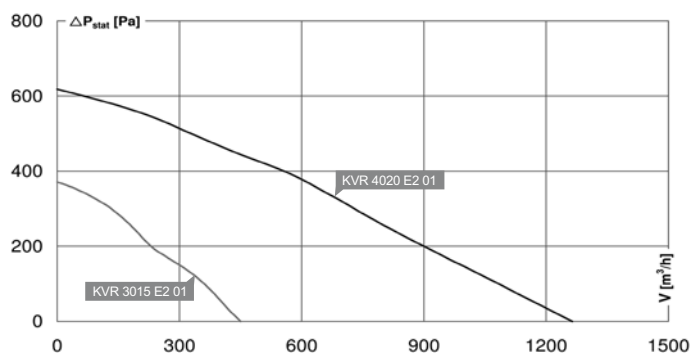
### Isolator Switch



**Duct Collar**  
flexibel



**Dampers**  
automatic

[illegible]

**Specific Accessories**  
For details see page: 150

**7-Step Transformer**  
without motor protection, for  
V-connection (Switch Cabinet)

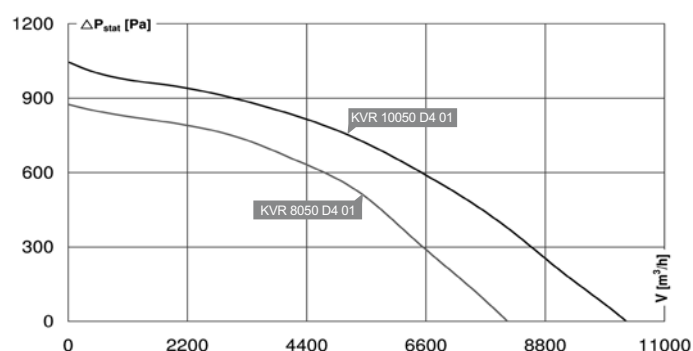
### 5-Step Transformer

With motor protection

Isolator Switch

**Duct Collar**  
flexibel

**Dampers**  
automatic





- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Fully insulated fan box

This series is supplied with high-quality, noise absorbing mineral insulation material on all sides and thus provides maximum noise reduction.

### High quality mineral insulation material

The rock wool insulating material used has a high spatial density of 88 kg/m<sup>3</sup>, which also absorb lower frequencies much better. The glass fiber sealed surface prevents until 36 m/s flow velocity the escape of fibers. The insulation fulfills fire classification A2.

### Swing out fan section

For maintenance work the backward curved impeller fan can be tilted out. Backward curved impeller radial fans have compared to forward curved impeller radial fans a slightly higher efficiency and are more resistant to soiling.



### Standard connection dimensions

20 mm flange profile.



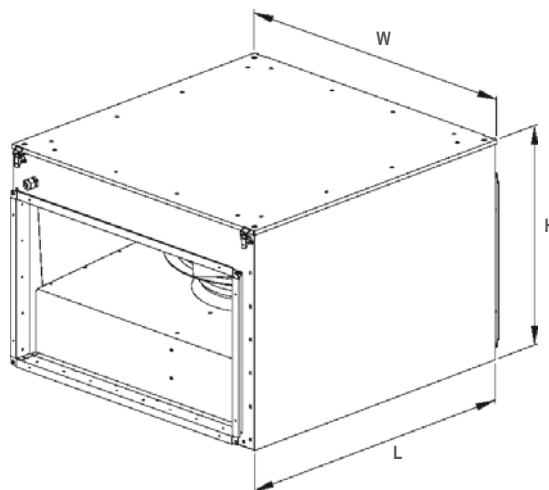
### Bordered insulation material

The insulation is bordered on all sides.



### Swing out fan section

For cleaning the fans can be tilted out.

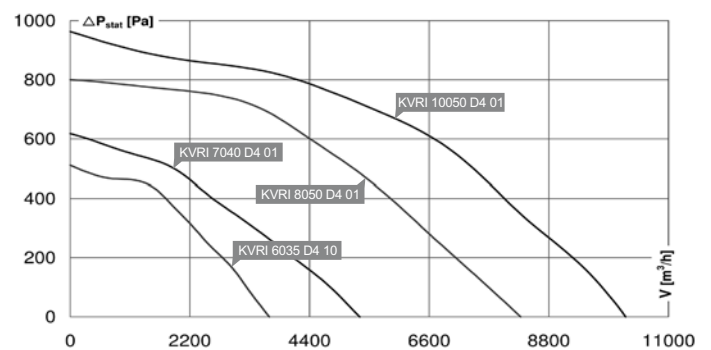


| Type             | ID     | U        | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|------------------|--------|----------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|                  |        | [V]      | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| KVRI 5025 E2 13  | 116970 | 230V ~   | 50   | -                | -                | 27,1            | 27,4           | 516  | 542  | 386  | 23,5   | 116985         |
| KVRI 6035 D4 10  | 114899 | 400V 3~D | 50   | 56               | 70               | 41,0            | 41,3           | 656  | 682  | 491  | 46,8   | 117140         |
| KVRI 7040 D4 01  | 104910 | 400V 3~D | 50   | 60               | 71               | 40,8            | 41,2           | 799  | 783  | 547  | 66,8   | 117140         |
| KVRI 8050 D4 01  | 104908 | 400V 3~D | 50   | 63               | 79               | 40,2            | 42,3           | 820  | 883  | 656  | 87,6   | 117140         |
| KVRI 10050 D4 01 | 104905 | 400V 3~D | 50   | 77               | 64               | 54,9            | 57,7           | 920  | 1083 | 656  | 109,2  | 117140         |

**TES . . .**  
7-Step Transformer  
Without motor protection



**Dampers**  
automatic







- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing



#### Variable outlet direction

As an option the MPC box can be supplied with round spigots, allowing for direct connection to the ducting.



#### The housing is designed to function as a grease pan

The housing is designed to function as a grease pan, so that small amount of condensation or grease can be safely held back.

#### Universal fan box

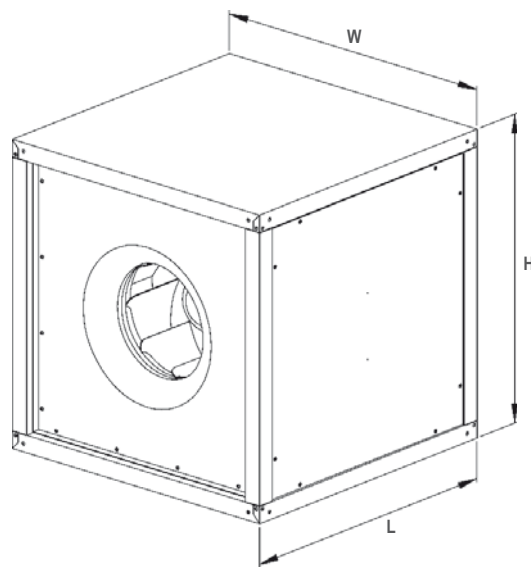
The MPC series has three different air outlet possibilities so that both in-line assembly, as well as a 90° direction change can be realized.

#### Backward curved radial fan

The utilized backward curved impeller radial fans are insensitive to soiling and have a high efficiency.

#### High quality housing

The housing is double skin with 40 mm mineral wool insulation. The base is also designed as a pan, to hold smaller amounts of condensate or grease.



| Type         | ID     | U       | f    | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|--------------|--------|---------|------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|              |        | [V]     | [Hz] | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| MPC 280 E2N* | 104450 | 230V ~  | 50   | 79               | 43,1            | 43,5           | 500  | 500  | 500  | 36,0   | 121595         |
| MPC 315 E2N* | 104568 | 230V ~  | 50   | 83               | 43,9            | 44,8           | 500  | 500  | 500  | 37,9   | 121595         |
| MPC 355 E4A* | 105600 | 230V ~  | 50   | 69               | 30,7            | 31,7           | 500  | 500  | 500  | 31,2   | 116495         |
| MPC 400 E4A* | 105599 | 230V ~  | 50   | 78               | 38,0            | 38,3           | 700  | 700  | 700  | 57,7   | 116495         |
| MPC 400 E4N* | 104613 | 230V ~  | 50   | 73               | 41,1            | 41,5           | 700  | 700  | 700  | 64,7   | 121595         |
| MPC 450 E4A* | 105598 | 230V ~  | 50   | 75               | 33,7            | 34,2           | 700  | 700  | 700  | 59,0   | 116495         |
| MPC 450 E4N* | 104614 | 230V ~  | 50   | 76               | 44,9            | 45,3           | 700  | 700  | 700  | 60,3   | 121595         |
| MPC 500 E4N* | 104615 | 230V ~  | 50   | 80               | 47,1            | 47,8           | 700  | 700  | 700  | 70,5   | 121595         |
| MPC 400 D4A* | 104616 | 400V 3~ | 50   | 76               | 41,3            | 41,6           | 700  | 700  | 700  | 60,6   | 117140         |
| MPC 450 D4A* | 104617 | 400V 3~ | 50   | 77               | 46,4            | 49,3           | 700  | 700  | 700  | 57,8   | 117140         |
| MPC 500 D4A* | 104618 | 400V 3~ | 50   | 80               | 41,5            | 42,2           | 700  | 700  | 700  | 70,8   | 117140         |
| MPC 560 D4A* | 106128 | 400V 3~ | 50   | 83               | 48,3            | 48,8           | 900  | 900  | 900  | 123,2  | 117140         |
| MPC 560 D4N* | 122302 | 400V 3~ | 50   | 80               | 54,7            | 55,1           | 900  | 900  | 900  | 115,0  | 122307         |

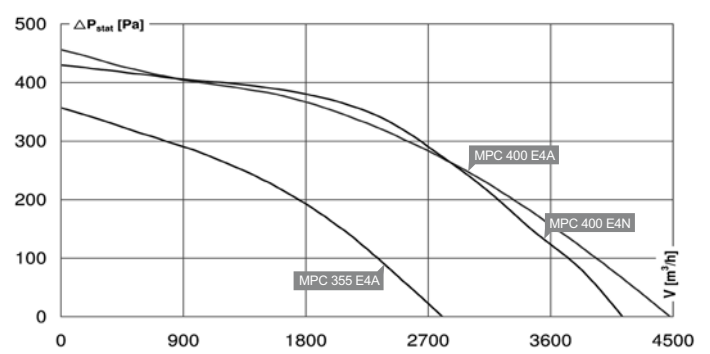
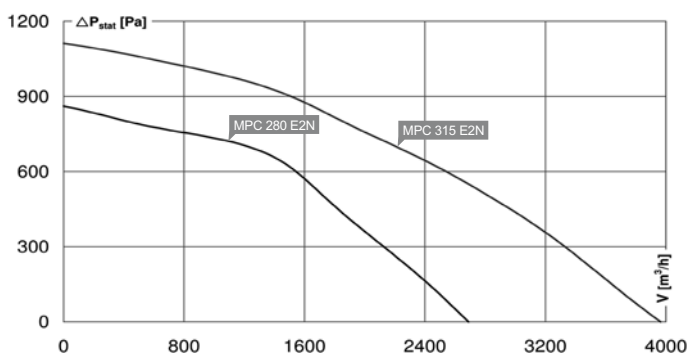
\* These types are available with two different spigot sizes too

|  | MPC | MPC 280 E2N<br>ID 104450                                                                               | MPC 315 E2N<br>ID 104568                                                                              | MPC 355 E4A<br>ID 105600                                                                              | MPC 400 E4A<br>ID 105599                                                                              | MPC 400 E4N<br>ID 104613                                                                              |
|--|-----|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  |     | 230V ~/50Hz 75 °C<br>2860 m³/h 600 W<br>4,0 A 79/84/61 db(A)<br>Only Inlet Cone without Flange         | 230V ~/50Hz 80 °C<br>3960 m³/h 910 W<br>5,4 A 83/83/- db(A)<br>Only Inlet Cone without Flange         | 230V ~/50Hz 50 °C<br>2810 m³/h 315 W<br>1,7 A 69/73/- db(A)<br>Only Inlet Cone without Flange         | 230V ~/50Hz 45 °C<br>4480 m³/h 570 W<br>2,9 A 78/80/60 db(A)<br>Only Inlet Cone without Flange        | 230V ~/50Hz 80 °C<br>4360 m³/h 560 W<br>3,0 A 73/76/- db(A)<br>Only Inlet Cone without Flange         |
|  | MPC | MPC 280 E2N 315<br>ID 111863                                                                           | MPC 315 E2N 315<br>ID 111865                                                                          | MPC 355 E4A 315<br>ID 111867                                                                          | MPC 400 E4A 400<br>ID 111871                                                                          | MPC 400 E4N 400<br>ID 111873                                                                          |
|  |     | 230V ~/50Hz 75 °C<br>2750 m³/h 600 W<br>4,0 A 79/84/61 db(A)<br>Flange 315 mm<br>Inlet and outlet side | 230V ~/50Hz 80 °C<br>3710 m³/h 910 W<br>5,4 A 83/83/- db(A)<br>Flange 315 mm<br>Inlet and outlet side | 230V ~/50Hz 50 °C<br>2330 m³/h 280 W<br>1,4 A 69/73/- db(A)<br>Flange 315 mm<br>Inlet and outlet side | 230V ~/50Hz 45 °C<br>3900 m³/h 530 W<br>2,9 A 76/78/- db(A)<br>Flange 400 mm<br>Inlet and outlet side | 230V ~/50Hz 80 °C<br>4090 m³/h 520 W<br>3,1 A 73/76/- db(A)<br>Flange 400 mm<br>Inlet and outlet side |
|  | MPC | MPC 280 E2N 355<br>ID 111864                                                                           | MPC 315 E2N 355<br>ID 111866                                                                          | MPC 355 E4A 355<br>ID 111868                                                                          | MPC 400 E4A 450<br>ID 111872                                                                          | MPC 400 E4N 450<br>ID 111874                                                                          |
|  |     | 230V ~/50Hz 75 °C<br>2800 m³/h 610 W<br>4,0 A 79/84/61 db(A)<br>Flange 355 mm<br>Inlet and outlet side | 230V ~/50Hz 80 °C<br>3800 m³/h 910 W<br>5,4 A 83/83/- db(A)<br>Flange 355 mm<br>Inlet and outlet side | 230V ~/50Hz 50 °C<br>2460 m³/h 280 W<br>1,4 A 69/73/- db(A)<br>Flange 355 mm<br>Inlet and outlet side | 230V ~/50Hz 45 °C<br>4200 m³/h 540 W<br>2,9 A 76/78/- db(A)<br>Flange 450 mm<br>Inlet and outlet side | 230V ~/50Hz 80 °C<br>4200 m³/h 520 W<br>3,0 A 73/76/- db(A)<br>Flange 450 mm<br>Inlet and outlet side |



**Specific Accessories**  
For details see page: 150

|        |                        |                        |                       |                       |                        |                                                |
|--------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------------------------------|
| MYSM.  | TEM 050<br>ID 103519   | TEM 075<br>ID 103507   | TEM 035<br>ID 103502  | TEM 035<br>ID 103502  | TEM 035<br>ID 103502   | 5-Step Transformer<br>With motor protection    |
| MYSO.  | TES 050<br>ID 103955   | TES 075<br>ID 103957   | TES 035<br>ID 103954  | TES 035<br>ID 103954  | TES 035<br>ID 103954   | 7-Step Transformer<br>Without motor protection |
| MYSG.  | TEM 050G<br>ID 109966  | TEM 075G<br>ID 109988  | TEM 035G<br>ID 111580 | TEM 035G<br>ID 111580 | TEM 035G<br>ID 111580  | 5-Step Transformer<br>with motor protection    |
| MYSR.  | GS 01<br>ID 102787     | GS 01<br>ID 102787     | GS 01<br>ID 102787    | GS 01<br>ID 102787    | GS 01<br>ID 102787     | Isolator Switch                                |
| MYMPT. | TW MPC 01<br>ID 112865 | TW MPC 01<br>ID 112865 |                       |                       | TW MPC 02<br>ID 112866 | Baffle<br>for MPC                              |
|        |                        |                        |                       |                       |                        |                                                |
|        |                        |                        |                       |                       |                        |                                                |
|        |                        |                        |                       |                       |                        |                                                |
|        |                        |                        |                       |                       |                        |                                                |
|        |                        |                        |                       |                       |                        |                                                |
|        |                        |                        |                       |                       |                        |                                                |



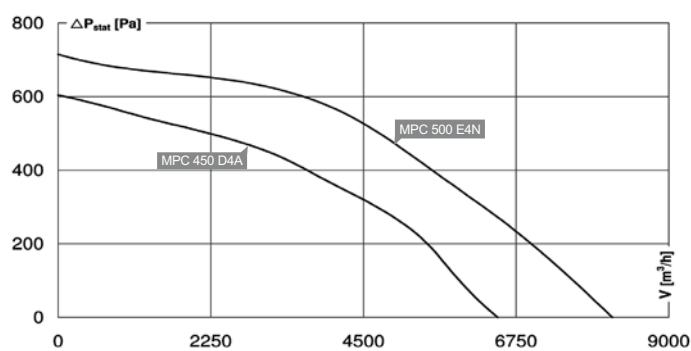
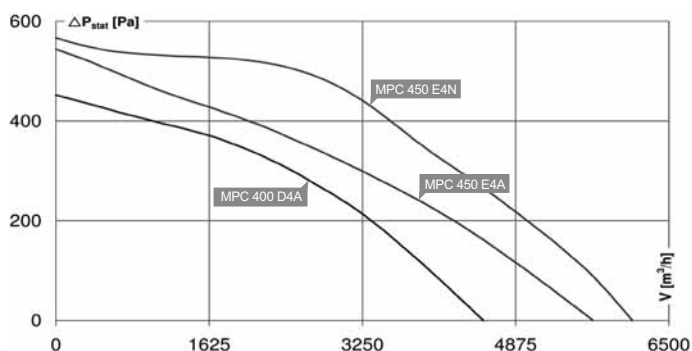


**Specific Accessories**  
For details see page: 150

|                                                                                                                                                    |                                                                                                                                                   |                                                                                                                                                  |                                                                                                                                        |                                                                                                                                                    |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>MPC 400 D4A</b><br>ID 104616<br><br>400V 3~/50Hz 60 °C<br>4530 m³/h 510 W<br>1,3 A 76/78/56 db(A)<br>Only Inlet Cone without Flange             | <b>MPC 450 E4A</b><br>ID 105598<br><br>230V ~/50Hz 40 °C<br>5700 m³/h 800 W<br>3,8 A 75/77/58 db(A)<br>Only Inlet Cone without Flange             | <b>MPC 450 E4N</b><br>ID 104614<br><br>230V ~/50Hz 80 °C<br>6110 m³/h 800 W<br>4,3 A 76/79/- db(A)<br>Only Inlet Cone without Flange             | <b>MPC 450 D4A</b><br>ID 104617<br><br>400V 3~/50Hz 40 °C<br>6475 m³/h 860 W<br>1,9 A 77/79/58 db(A)<br>Only Inlet Cone without Flange | <b>MPC 500 E4N</b><br>ID 104615<br><br>230V ~/50Hz 50 °C<br>8170 m³/h 1.320 W<br>7,6 A 80/81/- db(A)<br>Only Inlet Cone without Flange             | MPC. |
| <b>MPC 400 D4A 400</b><br>ID 111869<br><br>400V 3~/50Hz 60 °C<br>4120 m³/h 520 W<br>1,3 A 78/80/57 db(A)<br>Flange 400 mm<br>Inlet and outlet side | <b>MPC 450 E4A 450</b><br>ID 111877<br><br>230V ~/50Hz 40 °C<br>4710 m³/h 730 W<br>3,5 A 75/77/58 db(A)<br>Flange 450 mm<br>Inlet and outlet side | <b>MPC 450 E4N 450</b><br>ID 111879<br><br>230V ~/50Hz 80 °C<br>5570 m³/h 810 W<br>4,4 A 76/79/- db(A)<br>Flange 450 mm<br>Inlet and outlet side | <b>MPC 450 D4A 450</b><br>ID 111875<br><br>400V 3~/50Hz 40 °C<br>5780 m³/h 830 W<br>1,8 A<br>Flange 450 mm<br>Inlet and outlet side    | <b>MPC 500 E4N 450</b><br>ID 111883<br><br>230V ~/50Hz 50 °C<br>7220 m³/h 1.320 W<br>7,5 A 80/81/- db(A)<br>Flange 450 mm<br>Inlet and outlet side | MPC. |
| <b>MPC 400 D4A 450</b><br>ID 111870<br><br>400V 3~/50Hz 60 °C<br>4290 m³/h 520 W<br>1,3 A 76/78/56 db(A)<br>Flange 450 mm<br>Inlet and outlet side | <b>MPC 450 E4A 500</b><br>ID 111878<br><br>230V ~/50Hz 40 °C<br>5500 m³/h 770 W<br>3,6 A 75/77/58 db(A)<br>Flange 500 mm<br>Inlet and outlet side | <b>MPC 450 E4N 500</b><br>ID 111880<br><br>230V ~/50Hz 80 °C<br>5880 m³/h 810 W<br>4,4 A 76/79/- db(A)<br>Flange 500 mm<br>Inlet and outlet side | <b>MPC 450 D4A 500</b><br>ID 111876<br><br>400V 3~/50Hz 40 °C<br>6040 m³/h 820 W<br>1,8 A<br>Flange 450 mm<br>Inlet and outlet side    | <b>MPC 500 E4N 500</b><br>ID 111884<br><br>230V ~/50Hz 50 °C<br>7580 m³/h 1.300 W<br>7,5 A 80/81/- db(A)<br>Flange 500 mm<br>Inlet and outlet side | MPC. |

- 5-Step Transformer**  
With motor protection
- 7-Step Transformer**  
Without motor protection
- 5-Step Transformer**  
with motor protection and  
contact for gas solenoid valve
- 5-Step Transformer**  
With motor protection
- 7-Step Transformer**  
without motor protection, for  
V-connection (Switch Cabinet)
- 5-Step Transformer**  
with motor protection and  
contact for gas solenoid valve
- Isolator Switch**
- Baffle**  
for MPC

|                              |                              |                               |                              |                               |        |
|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--------|
|                              | <b>TEM 050</b><br>ID 103519  | <b>TEM 075</b><br>ID 103507   |                              | <b>TEM 075</b><br>ID 103507   | MYSM.  |
|                              | <b>TES 050</b><br>ID 103955  | <b>TES 075</b><br>ID 103957   |                              | <b>TES 075</b><br>ID 103957   | MYSO.  |
|                              | <b>TEM 050G</b><br>ID 109966 | <b>TEM 075G</b><br>ID 109988  |                              | <b>TEM 075G</b><br>ID 109988  | MYSG.  |
| <b>TDM 025</b><br>ID 107628  |                              |                               | <b>TDM 025</b><br>ID 107628  |                               | MYSM.  |
| <b>TDS 025</b><br>ID 113663  |                              |                               | <b>TDS 025</b><br>ID 113663  |                               | MYSO.  |
| <b>TDM 025G</b><br>ID 111569 |                              |                               | <b>TDM 025G</b><br>ID 111569 |                               | MYSG.  |
| <b>GS 03</b><br>ID 107633    | <b>GS 01</b><br>ID 102787    | <b>GS 01</b><br>ID 102787     | <b>GS 03</b><br>ID 107633    | <b>GS 01</b><br>ID 102787     | MYSR.  |
|                              |                              | <b>TW MPC 02</b><br>ID 112866 |                              | <b>TW MPC 02</b><br>ID 112866 | MYMPT. |
|                              |                              |                               |                              |                               |        |
|                              |                              |                               |                              |                               |        |



|     | <b>MPC 500 D4A</b><br>ID 104618                                                                           | <b>MPC 560 D4A</b><br>ID 106128                                                                   | <b>MPC 560 D4N</b><br>ID 122302                                                                    |  |
|-----|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|
| MPC | 400V 3~/50Hz 55 °C<br>8660 m³/h 1.620 W<br>3,9 A 80/83/62 db(A)<br>Only Inlet Cone without Flange         | 400V 3~/50Hz 50 °C<br>10600 m³/h 2.200 W<br>4,8 A 83/87/- db(A)<br>Only Inlet Cone without Flange | 400V 3~/50Hz 80 °C<br>12190 m³/h 2.200 W<br>4,7 A 80/81/67 db(A)<br>Only Inlet Cone without Flange |  |
|     | <b>MPC 500 D4A 450</b><br>ID 111881                                                                       |                                                                                                   |                                                                                                    |  |
| MPC | 400V 3~/50Hz 55 °C<br>8660 m³/h 1.670 W<br>3,9 A 80/83/62 db(A)<br>Flange 450 mm<br>Inlet and outlet side |                                                                                                   |                                                                                                    |  |
|     | <b>MPC 500 D4A 500</b><br>ID 111882                                                                       |                                                                                                   |                                                                                                    |  |
| MPC | 400V 3~/50Hz 55 °C<br>8660 m³/h 1.650 W<br>3,9 A 80/83/62 db(A)<br>Flange 500 mm<br>Inlet and outlet side |                                                                                                   |                                                                                                    |  |



**Specific Accessories**  
For details see page: 150

|      |                              |                              |                              |  |
|------|------------------------------|------------------------------|------------------------------|--|
| MYSM | <b>TDM 040</b><br>ID 111556  | <b>TDM 060</b><br>ID 111557  | <b>TDM 060</b><br>ID 111557  |  |
| MYSO | <b>TDS 040</b><br>ID 113666  | <b>TDS 060</b><br>ID 113667  | <b>TDS 060</b><br>ID 113667  |  |
| MYSG | <b>TDM 040G</b><br>ID 111570 | <b>TDM 060G</b><br>ID 111571 | <b>TDM 060G</b><br>ID 111571 |  |
| MYSR | <b>GS 03</b><br>ID 107633    | <b>GS 03</b><br>ID 107633    | <b>GS 03</b><br>ID 107633    |  |
|      |                              |                              |                              |  |
|      |                              |                              |                              |  |
|      |                              |                              |                              |  |
|      |                              |                              |                              |  |
|      |                              |                              |                              |  |
|      |                              |                              |                              |  |
|      |                              |                              |                              |  |

**5-Step Transformer**  
With motor protection



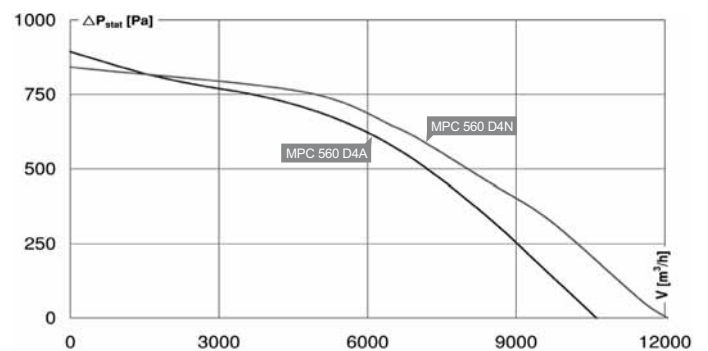
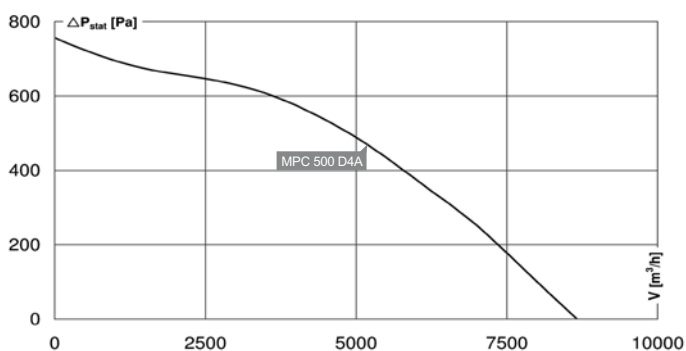
**7-Step Transformer**  
without motor protection, for  
V-connection (Switch Cabinet)



**5-Step Transformer**  
with motor protection and  
contact for gas solenoid valve



**Isolator Switch**





### Motor outside of air stream

In this execution variant of the MPC fan box the motor is separated from the air stream, allowing for use as a kitchen exhaust fan.

### Backward curved radial fan

The utilized backward curved impeller radial fans are insensitive to soiling and have a high efficiency.

- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing



### Motor separated from the air stream

Two steel sheets separates the motor from the air stream and prevent its soiling.



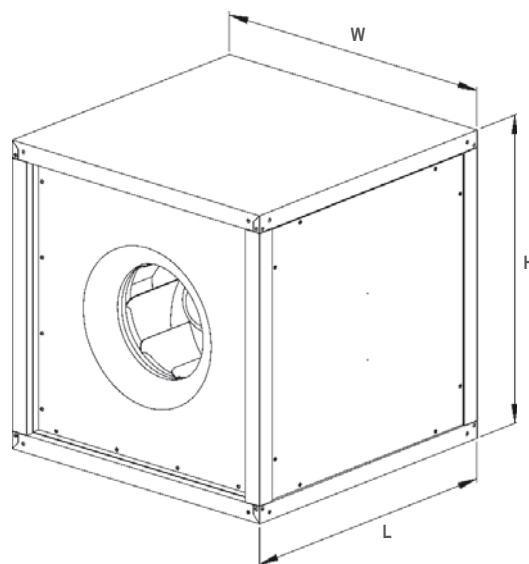
### Motor cover

A cover for the motor is available as an accessory.



### The housing is designed to function as a grease pan

The housing is designed to function as a grease pan, so that small amount of condensation or grease can be safely held back.



| Type           | ID     | U       | f    | L <sub>WAS</sub> | η <sub>fa</sub> | η <sub>i</sub> | L    | W    | H    | Weight | Wiring diagram |
|----------------|--------|---------|------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|                |        | [V]     | [Hz] | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| MPC 280 E2N-TW | 115721 | 230V ~  | 50   | 79               | 43,1            | 43,5           | 500  | 500  | 500  | 35,1   | 118871         |
| MPC 315 E2N-TW | 115722 | 230V ~  | 50   | 83               | 41,3            | 42,1           | 500  | 500  | 500  | 37,0   | 118871         |
| MPC 400 E4N-TW | 115723 | 230V ~  | 50   | 72               | 38,0            | 38,3           | 700  | 700  | 700  | 58,5   | 118871         |
| MPC 450 E4N-TW | 115724 | 230V ~  | 50   | 76               | 44,9            | 45,3           | 700  | 700  | 700  | 59,5   | 118871         |
| MPC 500 E4N-TW | 115725 | 230V ~  | 50   | 80               | 47,1            | 47,8           | 700  | 700  | 700  | 71,2   | 118871         |
| MPC 560 D4N-TW | 122301 | 400V 3~ | 50   | 80               | 54,7            | 55,1           | 900  | 900  | 900  | 115,0  | 122308         |



**Specific Accessories**  
For details see page: 150

[illegible]

### 5-Step Transformer with motor protection

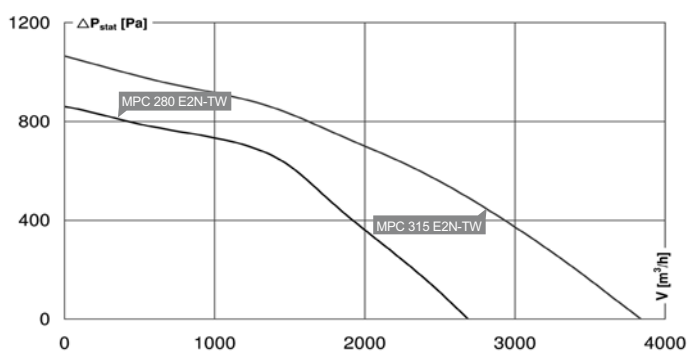
### 7-Step Transformer

Without motor protection

**5-Step Transformer**  
with motor protection and  
contact for gas solenoid valve

### Isolator Switch

Motor protection shield





**Specific Accessories**  
For details see page: 150

| MPC 400 E4N-TW                                                                                |  | MPC 450 E4N-TW                                                                                |  | MPC 500 E4N-TW                                                                                  |  | MPC 560 D4N-TW                                                                                    |  |
|-----------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--|
| ID 115723                                                                                     |  | ID 115724                                                                                     |  | ID 115725                                                                                       |  | ID 122301                                                                                         |  |
| 230V ~/50Hz 70 °C<br>4130 m³/h 570 W<br>3.2 A 72/75/- db(A)<br>Only Inlet Cone without Flange |  | 230V ~/50Hz 80 °C<br>6110 m³/h 800 W<br>4.3 A 76/79/- db(A)<br>Only Inlet Cone without Flange |  | 230V ~/50Hz 50 °C<br>8170 m³/h 1.320 W<br>7.6 A 80/81/- db(A)<br>Only Inlet Cone without Flange |  | 400V 3~/50Hz 50 °C<br>12190 m³/h 2.200 W<br>4.7 A 80/81/- db(A)<br>Only Inlet Cone without Flange |  |



### 5-Step Transformer with motor protection



### 7-Step Transformer

Without motor protection



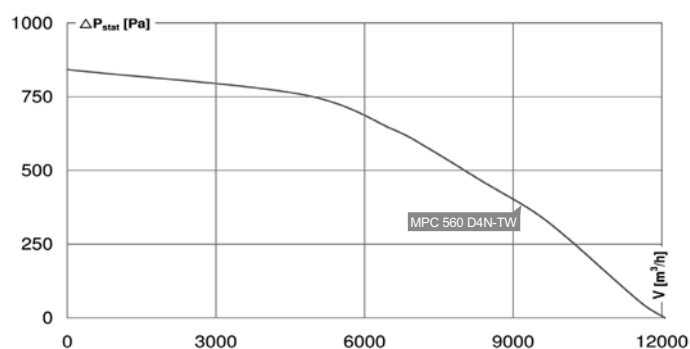
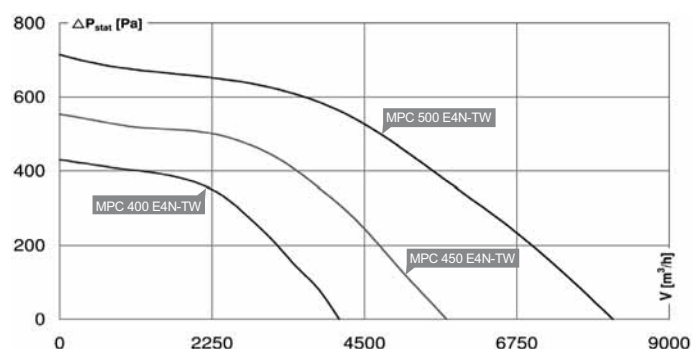
### 5-Step Transformer



### Isolator Switch



### Motor protection shield

[illegible]







- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

#### Motor outside of air stream

The MPS series has been designed and developed specifically for the harsh operating conditions of a kitchen extract fan. The motor is in accordance to VDI separated from the air stream.

#### Backward curved impeller radial fans bring double benefits

The utilized backward curved impeller radial fans are insensitive to grease deposits. Furthermore, the impeller have a higher efficiency, so that the operating costs and investment costs of the transformer control device significantly lower.

#### Variable outlet connection

By repositioning the door hinges horizontal discharge is also possible.



#### 230 V 1PH motors

The whole series is supplied with voltage controllable, robust 1PH AC motors.



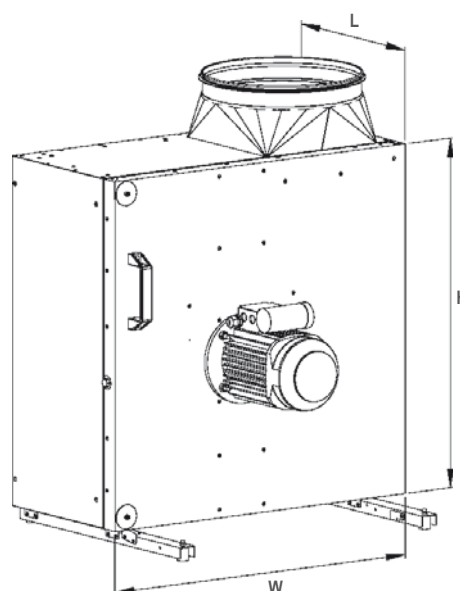
#### Variable outlet direction

There are 3 possible outlet positions. The conversion can be made on site.



#### The housing is designed to function as a grease pan

The housing is designed to function as a grease pan and is fitted with 3/4" drain. (Functions only with vertical discharge).

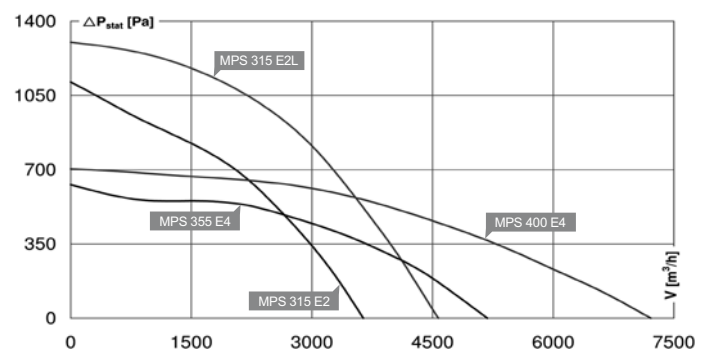


| Type        | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|-------------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|             |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| MPS 200 E2  | 106142 | 230V ~ | 50   | 67               | 82               | 40,1            | 44,7           | 287  | 484  | 484  | 29,0   | 121595         |
| MPS 250 E2  | 104181 | 230V ~ | 50   | 66               | 80               | 45,2            | 47,9           | 287  | 584  | 584  | 40,0   | 121595         |
| MPS 315 E2  | 105263 | 230V ~ | 50   | 68               | 83               | 50,1            | 52,9           | 336  | 684  | 684  | 50,0   | 116406         |
| MPS 315 E2L | 106264 | 230V ~ | 50   | 71               | 89               | 47,5            | 50,8           | 336  | 684  | 684  | 54,0   | 121595         |
| MPS 355 E4  | 104101 | 230V ~ | 50   | 60               | 75               | 41,0            | 45,4           | 386  | 784  | 784  | 63,0   | 116406         |
| MPS 400 E4  | 105260 | 230V ~ | 50   | 67               | 81               | 44,7            | 49,3           | 436  | 884  | 884  | 70,0   | 116653         |



**TEM...G**  
5-Step Transformer  
with motor protection and  
contact for gas solenoid valve

**Fast Clamps**  
1 set = 2 pcs.





- Backward curved centrifugal fan
- Speed control by means of frequency converter
- Maintenance-free, long-life ball bearings
- Galvanized sheet steel housing

### Drive motor with integrated frequency converter

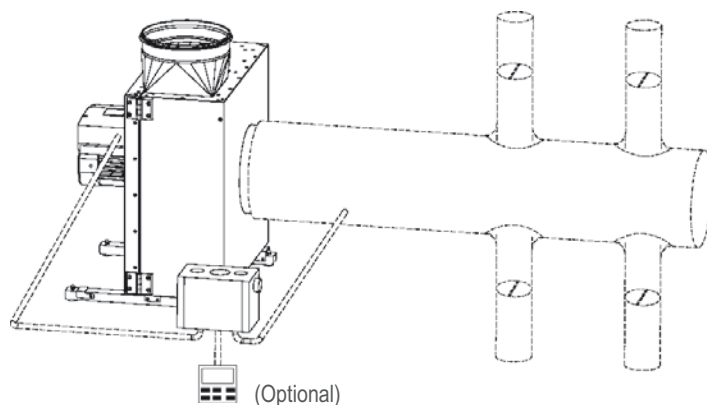
The integrated frequency converter reduces power consumption in the motor partial-load range. Also, with it a very elegant constant pressure control concepts can be realized.

### Motor outside of air stream

The MPS series has been designed specifically for the harsh operating conditions of an exhaust fan. The motor is placed outside the air stream.

### Backward curved impeller radial fans bring double benefits

The utilized backward curved impeller radial fans are insensitive to grease deposits. Furthermore, the impeller have a higher efficiency, so that the operating costs and investment costs of the transformer control device significantly lower.



### Integrated frequency converter IP54

The frequency converter is built on the motor.



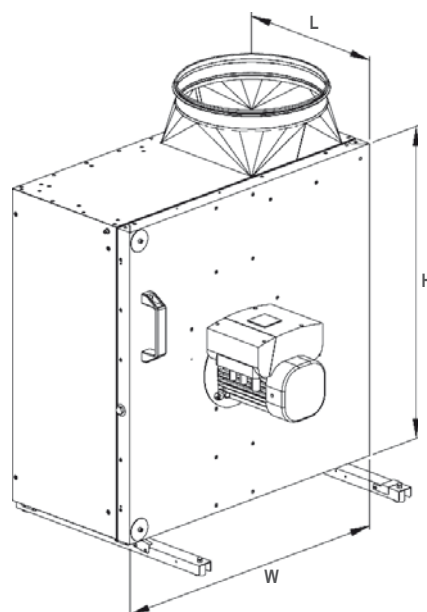
### Constant pressure control (optional)

By means of a constant pressure regulator the duct pressure, independent of connected consumers can be kept constant. The duct pressure can be adjusted through a potentiometer or optional through a digital control panel.



### The housing is designed to function as a grease pan

The housing is designed to function as a grease pan and is fitted with 3/4" drain. (Functions only with vertical discharge).



| Type        | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|-------------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|             |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| MPS 250 E2F | 112056 | 230V ~ | 50   | 68               | 81               | 42,0            | 44,4           | 287  | 584  | 584  | 40,0   | 116647         |
| MPS 315 E2F | 112061 | 230V ~ | 50   | 68               | 83               | 45,0            | 47,6           | 336  | 684  | 684  | 50,0   | 116647         |
| MPS 355 E4F | 112064 | 230V ~ | 50   | 65               | 78               | 42,1            | 47,1           | 386  | 784  | 784  | 63,0   | 116647         |
| MPS 400 E4F | 112067 | 230V ~ | 50   | 67               | 79               | 44,4            | 48,1           | 436  | 884  | 884  | 70,0   | 116647         |



**Specific Accessories**  
For details see page: 150

[illegible]

### Isolator Switch



Weather protection hood  
Motor



**Wall bracket**  
1 set = 2 pcs.



**Fast Clamps**  
1 set = 2 pcs.



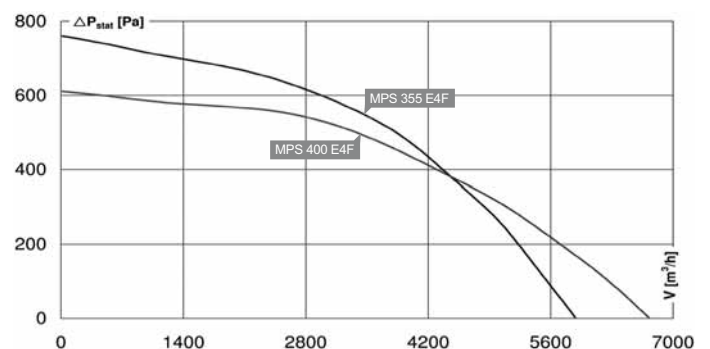
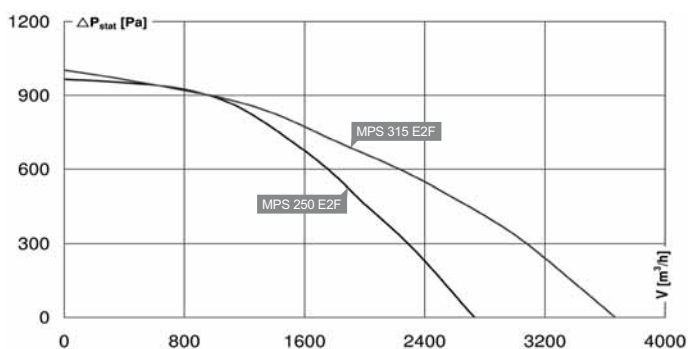
### Constant pressure control



### Remote control



### Potentiometer





### Universal

All fans with 4 speed motor. Fans usable for different kitchen hood controls.

- For controls with transformer
- For controls with different outputs

### Casing stainless steel

Part of the outer casing are made of brushed stainless steel (1.4301). At AWG and ZDG the edges are welded and brushed.



### ZKG fan box

Exhaust fan box for mounting on roof spaces or ceiling void installation. Casing made of steel zink.



### IWG fan box

Fan for wall mounting. Outlet grille made of brushed stainless steel. Mounting has to be even with outer wall.



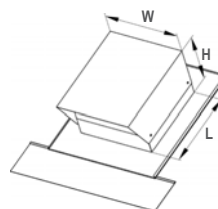
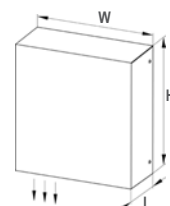
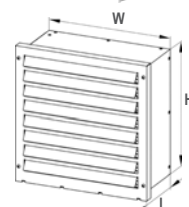
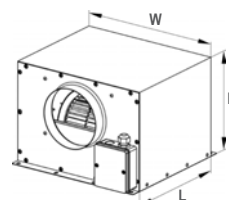
### AWG fan box

Fan box for mounting onto the outer wall. Fixing screws and impeller are covered by a hood of brushed stainless steel.



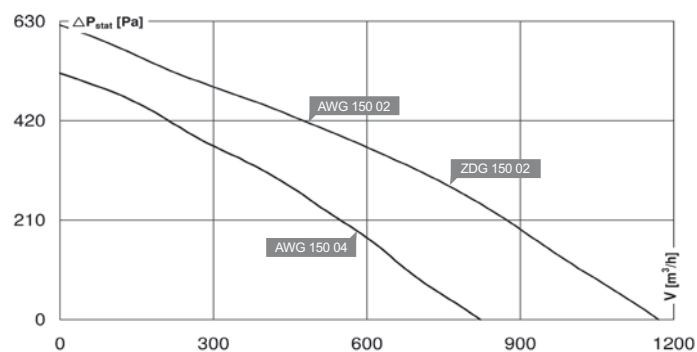
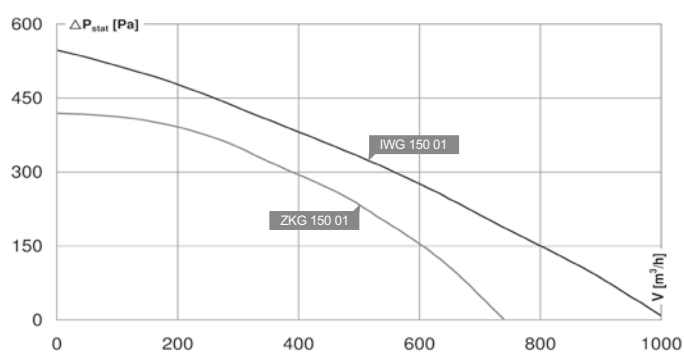
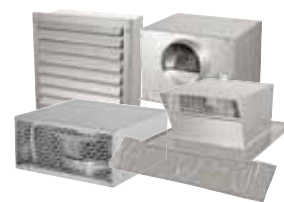
### ZDG roof tile fan

For mounting on a tile roof. Part of the outer casing is made of brushed stainless steel. Roof boarding made of stainless steel with lead lining.



| Type       | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | L    | W    | H    | Weight | Wiring diagram |
|------------|--------|--------|------|------------------|------------------|-----------------|----------------|------|------|------|--------|----------------|
|            |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [kg]   |                |
| ZKG 150 01 | 113268 | 230V ~ | 50   | 72               | 67               | 22,2            | 24,3           | 286  | 350  | 249  | 8,5    | 117003         |
| IWG 150 01 | 113243 | 230V ~ | 50   | 77               | 72               | 22,2            | 22,4           | 180  | 400  | 400  | 11,7   | 117003         |
| AWG 150 02 | 112116 | 230V ~ | 50   | 75               | 73               | 29,3            | 30,4           | 154  | 412  | 385  | 10,9   | 117003         |
| AWG 150 04 | 120915 | 230V ~ | 50   |                  | 73               | 25,4            | 26,9           | 143  | 300  | 300  |        | 117002         |
| ZDG 150 02 | 116767 | 230V ~ | 50   | 75               | 73               | 29,3            | 30,4           | 392  | 386  | 282  | 20,0   | 117003         |

| MPK.                                                                                              | MPI.                                                                                               | MPA.                                                                                               | MPZ.                                                                                               |  |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|
| <b>ZKG 150 01</b><br>ID 113268<br><br>230V ~/50Hz 70 °C<br>740 m³/h 190 W<br>0,9 A 67/72/72 db(A) | <b>IWG 150 01</b><br>ID 113243<br><br>230V ~/50Hz 35 °C<br>1010 m³/h 200 W<br>0,9 A 72/77/77 db(A) | <b>AWG 150 02</b><br>ID 112116<br><br>230V ~/50Hz 40 °C<br>1170 m³/h 210 W<br>1,0 A 73/75/75 db(A) | <b>ZDG 150 02</b><br>ID 116767<br><br>230V ~/50Hz 40 °C<br>1170 m³/h 210 W<br>1,0 A 73/75/75 db(A) |  |
|                                                                                                   |                                                                                                    | <b>AWG 150 04</b><br>ID 120915<br><br>230V ~/50Hz 70 °C<br>820 m³/h 130 W<br>0,6 A 73/75/- db(A)   |                                                                                                    |  |







### Vertical air discharge

The vertical air discharge minimizes roof soiling. Furthermore, the noise break out is noticeably lower than horizontal discharge roof fans.

### Backward curved radial fan

The utilized backward curved impeller radial fans are insensitive to soiling and have a high efficiency.

- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Housing external parts are made from saltwater-proof aluminium



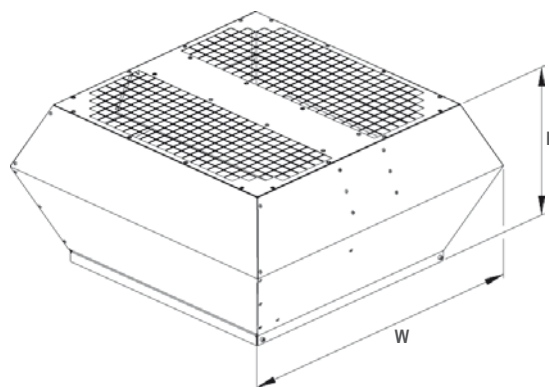
### Bird and shock protection

The outlet protection grille decreases soiling through leaves and birds.



### Elegant, high grade housing

The housing is elegant and solidly manufactured.



| Type       | ID     | U       | f    | L <sub>WA2/LWA6</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | W    | H    | Weight | Wiring diagram |
|------------|--------|---------|------|-----------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|            |        | [V]     | [Hz] | [dB (A)]              | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| DVA 220 E2 | 107253 | 230V ~  | 50   |                       | 68               | 30,3            | 30,9           | 439  | 235  | 6,9    | 116490         |
| DVA 250 E4 | 107258 | 230V ~  | 50   | 60                    | 56               | 15,4            | 15,4           | 439  | 235  | 7,2    | 116490         |
| DVA 250 E2 | 107257 | 230V ~  | 50   | 75                    | 71               | 32,2            | 32,5           | 439  | 235  | 7,6    | 116490         |
| DVA 280 E2 | 107259 | 230V ~  | 50   | 75                    | 71               | 26,1            | 26,1           | 576  | 289  | 10,9   | 116490         |
| DVA 315 E4 | 107261 | 230V ~  | 50   | 73                    | 65               | 32,9            | 33,2           | 578  | 289  | 10,5   | 116490         |
| DVA 355 E4 | 110092 | 230V ~  | 50   | 72                    | 72               | 38,4            | 38,5           | 795  | 399  | 24,0   | 116504         |
| DVA 400 E4 | 111348 | 230V ~  | 50   | 76                    | 73               | 39,6            | 39,9           | 795  | 399  | 26,7   | 116504         |
| DVA 355 D4 | 108753 | 400V 3~ | 50   | 71                    | 71               | 38,6            | 38,8           | 795  | 399  | 23,1   | 117113         |
| DVA 400 D4 | 108763 | 400V 3~ | 50   | 76                    | 73               | 43,6            | 44,0           | 795  | 399  | 26,4   | 117113         |
| DVA 450 D4 | 106737 | 400V 3~ | 50   | 77                    | 73               | 43,4            | 43,6           | 916  | 494  | 36,6   | 117113         |
| DVA 500 D4 | 106738 | 400V 3~ | 50   | 86                    | 82               | 44,3            | 44,8           | 916  | 494  | 45,9   | 117113         |



**Specific Accessories**  
For details see page: 150

**TEE . . .**  
5-Step Transformer  
Without motor protection

**TES . . .**  
7-Step Transformer  
With motor protection

**TEM . . .**  
5-Step Transformer  
With motor protection

**TDM ...**  
5-Step Transformer  
With motor protection

**TDS . . .**  
7-Step Transformer  
without motor protection, for  
V-connection (Switch Cabinet)

**GS ...**  
Isolator Switch



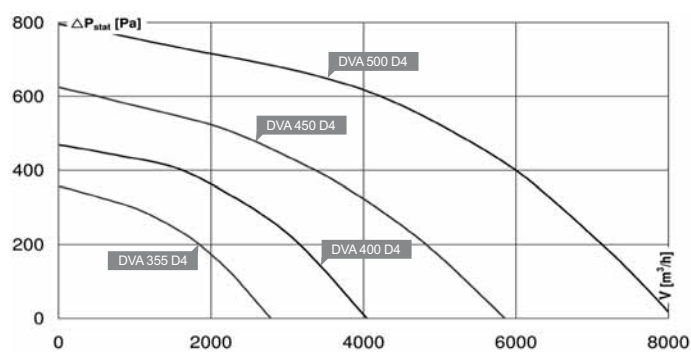
### Flat Roof Socket

### Socket Silencer

Inlet Flange

### Inlet Collar

Shutter automatic  
automatic





### Vertical air discharge

The vertical air discharge minimizes roof soiling. Furthermore, the noise break out is noticeably lower than horizontal discharge roof fans.

### Backward curved radial fan

The utilized backward curved impeller radial fans are insensitive to soiling and have a high efficiency.

- Backward curved centrifugal fan
- 100 % Voltage controllable
- Integrated thermal contact
- Maintenance-free, long-life ball bearings
- Housing external parts are made from saltwater-proof aluminium



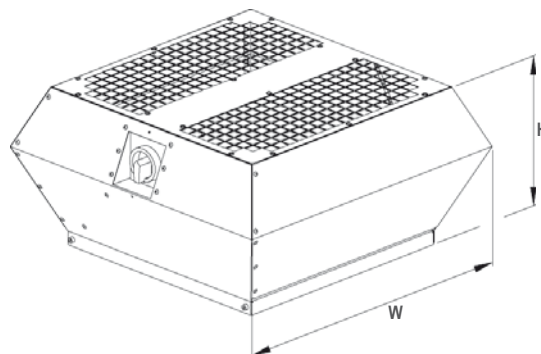
### Inspection/cleaning

Swing open fan section for service and cleaning.



### Integrated isolator switch

For maintenance the ventilator can be disconnected through integrated isolator switch.

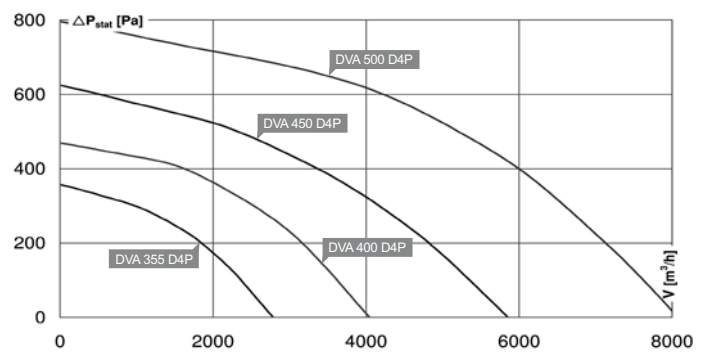


| Type        | ID     | U       | f    | L <sub>WA2</sub> /L <sub>WA6</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | W    | H    | Weight | Wiring diagram |
|-------------|--------|---------|------|------------------------------------|------------------|-----------------|----------------|------|------|--------|----------------|
|             |        | [V]     | [Hz] | [dB (A)]                           | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [kg]   |                |
| DVA 220 E2P | 106772 | 230V ~  | 50   |                                    | 68               | 30,3            | 30,9           | 439  | 235  | 7,4    | 116492         |
| DVA 250 E4P | 107254 | 230V ~  | 50   | 60                                 | 56               | 15,4            | 15,4           | 439  | 235  | 7,6    | 116492         |
| DVA 250 E2P | 107255 | 230V ~  | 50   | 75                                 | 71               | 32,2            | 32,5           | 439  | 235  | 8,1    | 116492         |
| DVA 280 E2P | 107256 | 230V ~  | 50   | 75                                 | 71               | 26,1            | 26,1           | 576  | 289  | 11,5   | 116492         |
| DVA 315 E4P | 107260 | 230V ~  | 50   | 73                                 | 65               | 32,9            | 33,2           | 578  | 289  | 11,0   | 116492         |
| DVA 355 E4P | 110093 | 230V ~  | 50   | 72                                 | 72               | 38,4            | 38,5           | 795  | 399  | 24,2   | 116506         |
| DVA 400 E4P | 111350 | 230V ~  | 50   | 76                                 | 73               | 39,6            | 39,9           | 795  | 399  | 27,2   | 116506         |
| DVA 355 D4P | 108764 | 400V 3~ | 50   | 71                                 | 71               | 38,6            | 38,8           | 795  | 399  | 23,6   | 117141         |
| DVA 400 D4P | 108766 | 400V 3~ | 50   | 76                                 | 73               | 43,6            | 44,0           | 795  | 399  | 27,2   | 117141         |
| DVA 450 D4P | 106611 | 400V 3~ | 50   | 77                                 | 73               | 43,4            | 43,6           | 916  | 494  | 38,5   | 117141         |
| DVA 500 D4P | 106697 | 400V 3~ | 50   | 86                                 | 82               | 44,3            | 44,8           | 916  | 494  | 47,0   | 117141         |

**TDS . . .**  
7-Step Transformer  
without motor protection, for  
V-connection (Switch Cabinet)



**Shutter automatic**  
automatic

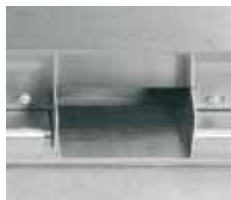




### Suitable for kitchen exhaust

The motor is separated from the airstream, according to VDI 2052 applicable for industrial kitchen exhaust with medium temperatures up to 120°C.

- Outer casing made of seawater resistant AlMg3
- Motor outside of air stream
- Motor voltage controllable
- Swing out fan section
- with isolator switch
- Integrated drain pan



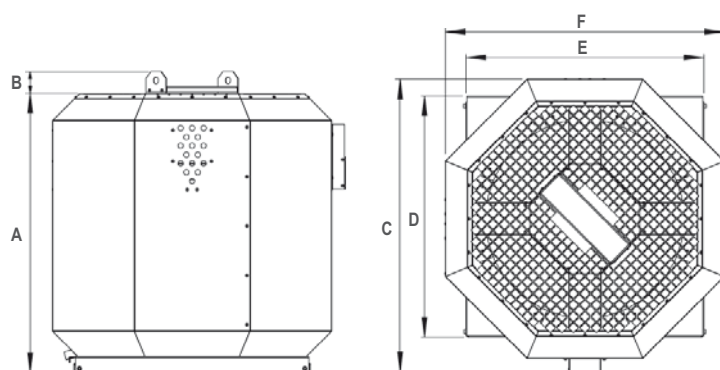
### Drain tray

In case of fatty exhaust air a drain tray prevents roof pollution.



### Isolator Switch

An integrated isolator switch enables riskless maintenance.



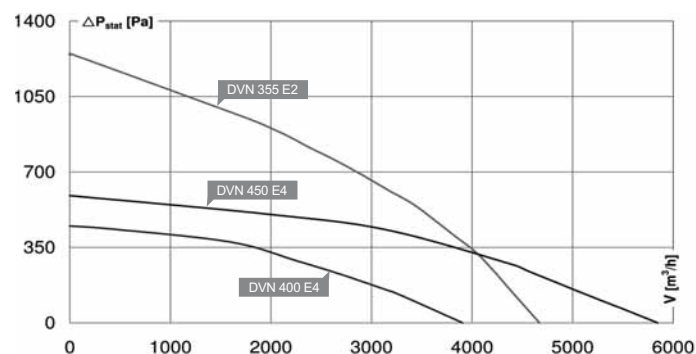
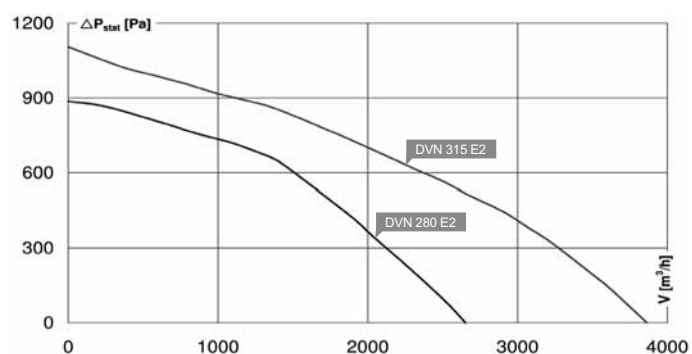
| Type       | ID          | U       | f    | L <sub>WA6</sub> | L <sub>WA5</sub> | η <sub>fa</sub> | η <sub>t</sub> | A    | B    | C    | D    | E    | F    | Weight | Wiring diagram |
|------------|-------------|---------|------|------------------|------------------|-----------------|----------------|------|------|------|------|------|------|--------|----------------|
|            |             | [V]     | [Hz] | [dB (A)]         | [dB (A)]         | [%]             | [%]            | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg]   |                |
| DVN 280 E2 | 122003      | 230V ~  | 50   | 83               | 82               | 38,4            | 39,6           | 565  |      | 535  | 436  | 426  | 497  |        | 121998         |
| DVN 315 E2 | 121703      | 230V ~  | 50   | 82               | 80               | 41,8            | 44,4           | 565  |      | 535  | 436  | 426  | 497  | 24,9   | 121998         |
| DVN 355 E2 | 122162      | 230V ~  | 50   | 86               | 87               | 40,1            | 41,5           | 694  |      | 670  | 549  | 540  | 632  |        | 121998         |
| DVN 400 E4 | 121707      | 230V ~  | 50   | 77               | 74               | 31,6            | 32,8           | 694  |      | 670  | 549  | 540  | 632  |        | 121998         |
| DVN 450 E4 | 122006      | 230V ~  | 50   | 76               | 73               | 44,6            | 45,7           | 790  | 40   | 828  | 683  | 674  | 790  |        | 121998         |
| DVN 500 E4 | 121711      | 230V ~  | 50   | 83               | 81               | 46,1            | 47,4           | 790  | 40   | 828  | 683  | 674  | 790  |        | 121998         |
| DVN 560 D4 | 121774      | 400V 3~ | 50   | 82               | 80               | 52,0            | 51,0           | 967  | 40   | 1033 | 945  | 936  | 995  |        | 122319         |
| DVN 630    | coming soon |         |      |                  |                  |                 |                |      |      |      |      |      |      |        |                |
| DVN 710    | coming soon |         |      |                  |                  |                 |                |      |      |      |      |      |      |        |                |
| DVN 800    | coming soon |         |      |                  |                  |                 |                |      |      |      |      |      |      |        |                |

|       | DVN 280 E2<br>ID 122003                                      | DVN 315 E2<br>ID 121703                                      | DVN 355 E2<br>ID 122162                                        | DVN 400 E4<br>ID 121707                                      | DVN 450 E4<br>ID 122006                                      |
|-------|--------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| MDNU. | 230V ~/50Hz 120 °C<br>2650 m³/h 650 W<br>3,8 A 82/83/- db(A) | 230V ~/50Hz 120 °C<br>3860 m³/h 880 W<br>5,0 A 80/82/- db(A) | 230V ~/50Hz 120 °C<br>4670 m³/h 1.250 W<br>7,7 A 87/86/- db(A) | 230V ~/50Hz 120 °C<br>3910 m³/h 540 W<br>2,9 A 74/77/- db(A) | 230V ~/50Hz 120 °C<br>5850 m³/h 810 W<br>4,3 A 73/76/- db(A) |
|       |                                                              |                                                              |                                                                |                                                              |                                                              |



**Specific Accessories**  
For details see page: 150

|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|--------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------------------------------|---------------------------------------------------------------------------------------|
| MYSM.  | TEM 050<br>ID 103519 | TEM 075<br>ID 103507 | TEM 100<br>ID 103511 | TEM 035<br>ID 103502 | TEM 050<br>ID 103519 | 5-Step Transformer<br>With motor protection |    |
| MYMDF. | DSF 280<br>ID 109593 | DSF 280<br>ID 109593 | DSF 355<br>ID 109619 | DSF 355<br>ID 109619 | DSF 450<br>ID 109784 | Flat Roof Socket                            |    |
| MYMDS. | DSS 280<br>ID 111352 | DSS 280<br>ID 111352 | DSS 355<br>ID 111353 | DSS 355<br>ID 111353 | DSS 450<br>ID 111354 | Socket Silencer                             |    |
| MYMDA. | DAF 250<br>ID 110585 | DAF 250<br>ID 110585 | DAF 400<br>ID 109826 | DAF 400<br>ID 109826 | DAF 400<br>ID 109826 | Inlet Flange                                |   |
| MYMDN. | DAS 250<br>ID 109413 | DAS 250<br>ID 109413 | DAS 400<br>ID 109827 | DAS 400<br>ID 109827 | DAS 400<br>ID 109827 | Inlet Collar                                |  |
| MYMDV. | DVK 250<br>ID 109233 | DVK 250<br>ID 109233 | DVK 400<br>ID 109213 | DVK 400<br>ID 109213 | DVK 400<br>ID 109213 | Shutter automatic<br>automatic              |  |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |
|        |                      |                      |                      |                      |                      |                                             |                                                                                       |





**Specific Accessories**  
For details see page: 150

| <b>DVN 500 E4</b><br>ID 121711                   | <b>DVN 560 D4</b><br>ID 121774                                   | <b>DVN 630 E4</b> | <b>DVN 710 E4</b> | <b>DVN 800 E2</b> |
|--------------------------------------------------|------------------------------------------------------------------|-------------------|-------------------|-------------------|
| 230V ~/50Hz 120 °C<br>7930 m³/h 1.240 W<br>7,2 A | 400V 3~/50Hz 120 °C<br>11830 m³/h 2.080 W<br>4,6 A 80/82/- db(A) |                   |                   |                   |
|                                                  |                                                                  |                   |                   |                   |



### 5-Step Transformer

With motor protection



### 5-Step Transformer

With motor protection



### Flat Roof Socket



### Socket Silencer



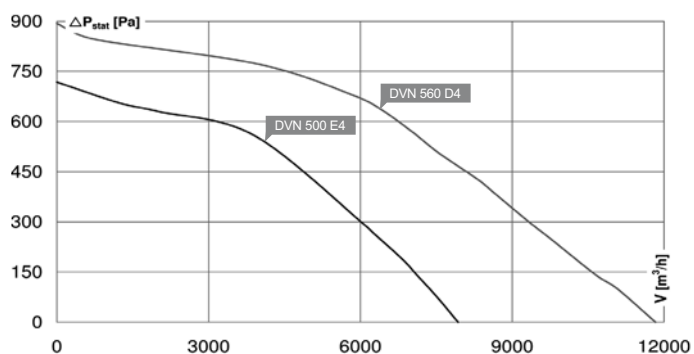
### Inlet Flange



### Inlet Collar



**Shutter automatic**  
automatic

[illegible]





### Suitable for kitchen exhaust

An integrated tray with fat drain prevents roof pollution.

### Highly effective sound insulation

The DVNI series has got a 40mm insulation of mineral wool. A strong glass fibre yarn prevents the escape of mineral fibres. An additional mechanical protection is done by a perforated metal plate. The average sound attenuation is 9dB(A).

- Outer casing made of seawater resistant AlMg3
- Motor outside of air stream
- Motor voltage controllable
- Swing out fan section
- with isolator switch
- Integrated drain pan
- 40 mm mineral wool insulation (DVNI)



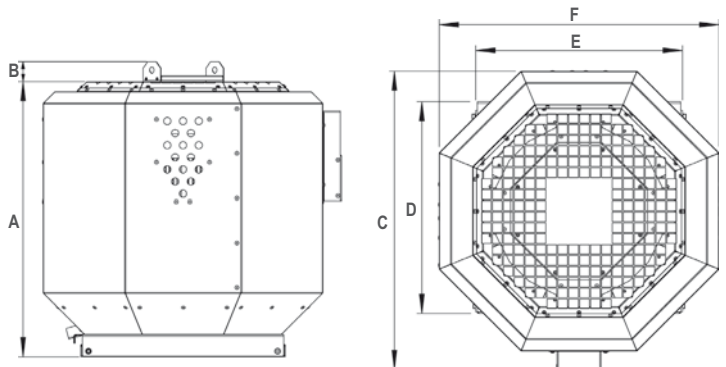
### Sound insulation

A high class 40mm mineral wool is covered by glass fibre yarn which prevents the escape of mineral fibres and a perforated metal plate prevents insulation damages.



### Swing out

The fan section can be lifted up for maintenance purposes.



| Type        | ID          | U       | f    | $\eta_{fa}$ | $\eta_t$ | A    | B    | C    | D    | E    | F    | Weight | Wiring  |
|-------------|-------------|---------|------|-------------|----------|------|------|------|------|------|------|--------|---------|
|             |             | [V]     | [Hz] | [%]         | [%]      | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg]   | diagram |
| DVNI 280 E2 | 122013      | 230V ~  | 50   | 38,4        | 39,6     | 567  |      | 615  | 436  | 426  | 577  |        | 121998  |
| DVNI 315 E2 | 121705      | 230V ~  | 50   | 41,8        | 44,4     | 567  |      | 615  | 436  | 426  | 577  |        | 121998  |
| DVNI 355 E2 | 122166      | 230V ~  | 50   | 40,1        | 41,5     | 700  |      | 750  | 549  | 540  | 712  |        | 121998  |
| DVNI 400 E4 | 121709      | 230V ~  | 50   | 31,6        | 32,8     | 700  |      | 750  | 549  | 540  | 712  |        | 121998  |
| DVNI 450 E4 | 122010      | 230V ~  | 50   | 44,6        | 45,7     | 791  | 39   | 908  | 683  | 674  | 870  |        | 121998  |
| DVNI 500 E4 | 121720      | 230V ~  | 50   | 46,1        | 47,4     | 791  | 39   | 908  | 683  | 674  | 870  |        | 121998  |
| DVNI 560 D4 | 122294      | 400V 3~ | 50   | 52,0        | 51,0     | 969  | 38   | 1113 | 945  | 936  | 1075 | 83,0   | 122319  |
| DVNI 630    | coming soon |         |      |             |          |      |      |      |      |      |      |        |         |
| DVNI 710    | coming soon |         |      |             |          |      |      |      |      |      |      |        |         |
| DVNI 800    | coming soon |         |      |             |          |      |      |      |      |      |      |        |         |





**Specific Accessories**  
For details see page: 150

| DVNI 280 E2                                                  |  | DVNI 315 E2                                                  |  | DVNI 355 E2                                                    |  | DVNI 400 E4                                                  |  | DVNI 450 E4                                                  |  |
|--------------------------------------------------------------|--|--------------------------------------------------------------|--|----------------------------------------------------------------|--|--------------------------------------------------------------|--|--------------------------------------------------------------|--|
| ID 122013                                                    |  | ID 121705                                                    |  | ID 122166                                                      |  | ID 121709                                                    |  | ID 122010                                                    |  |
| 230V ~/50Hz 120 °C<br>2650 m³/h 650 W<br>3,8 A 82/79/- db(A) |  | 230V ~/50Hz 120 °C<br>3860 m³/h 880 W<br>5,0 A 80/77/- db(A) |  | 230V ~/50Hz 120 °C<br>4670 m³/h 1.250 W<br>7,7 A 87/80/- db(A) |  | 230V ~/50Hz 120 °C<br>3910 m³/h 540 W<br>2,9 A 74/71/- db(A) |  | 230V ~/50Hz 120 °C<br>5850 m³/h 810 W<br>4,3 A 73/70/- db(A) |  |
|                                                              |  |                                                              |  |                                                                |  |                                                              |  |                                                              |  |



### 5-Step Transformer

With motor protection



### Flat Roof Socket



### Socket Silencer



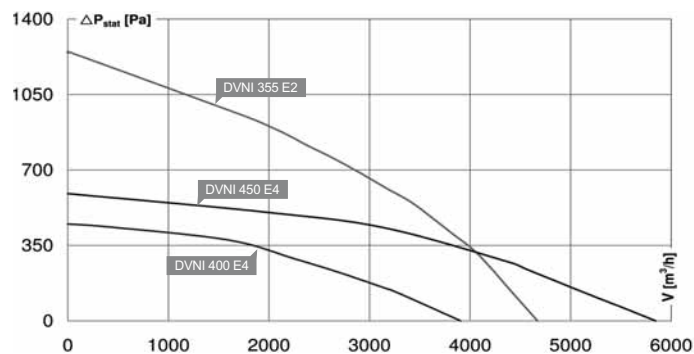
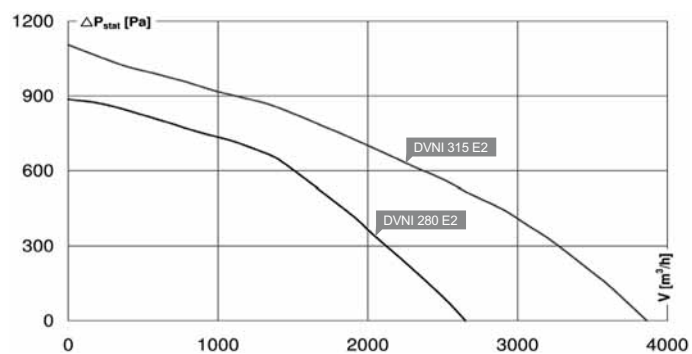
### Inlet Flange



### Inlet Collar



**Shutter automatic**  
automatic

[illegible]

coming soon





- Compact Supply air handling unit with filter, electric heater, fan and included control
- Variable temperature control
- Remote control and cable included
- Timer in control panel integrated
- Connection for damper control, malfunction message, external on/off
- Integrated sound and heat insulation
- Easy installation



#### Safe and easy

All electrical connections on a terminal strip, covered with a metal plate. Filter change is possible and hazard free



#### Remote control

An elegant control panel with functional handling and digital display for fan step and desired temperature. Timer with time program



#### Elaborate design details

Sophisticated design details such as filter clamping device, easy accessibility of the control board, suspension brackets etc. facilitate the installation, operation and maintenance.

#### Complete and ready to connect

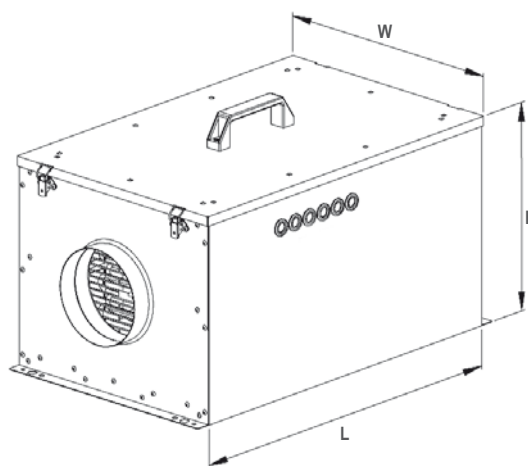
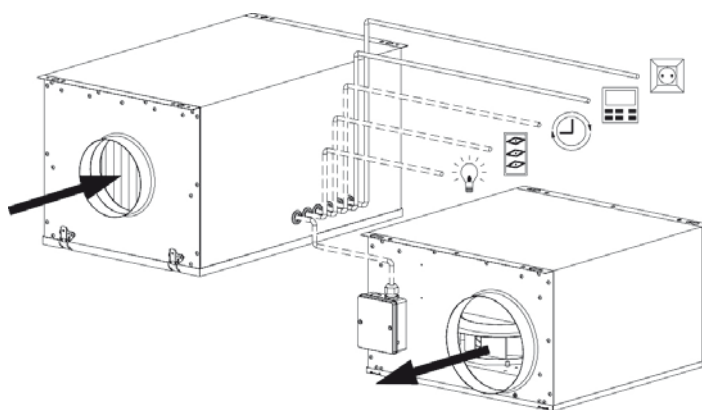
The FFH is a complete plug and play supply unit with Z-Line filter, fan, electric heater and integrated control unit including remote control. The installation time and possible installation errors are reduced to a minimum.

#### Very convenient features

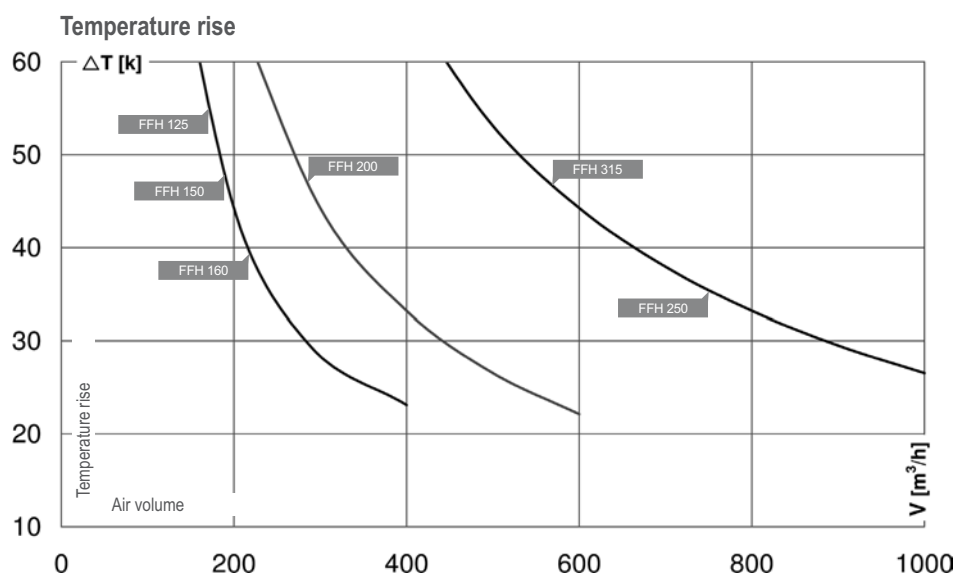
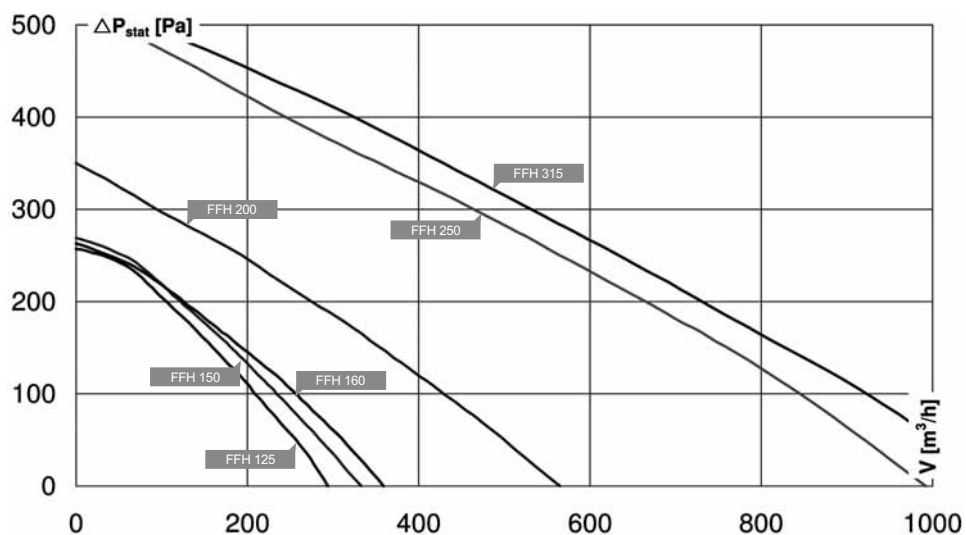
The housing is 30 mm thermally and acoustically insulated. The interior area is sealed with glass fiber yarn sound absorbing material to suitably reduce the intake and exhaust noise. After shutdown a short run-on period to prevent overheating. 3 speeds enable need-based ventilation.

#### Ventilation system with supply and extract

The control system is designed so that even an exhaust fan (optional) can be integrated. Therefore, with the simplest means a complete ventilation system with supply and exhaust can be built.



| Type    | ID     | U        | Q̇   | I <sub>max.</sub> | Fuse | L    | W    | H    | Recommended exhaust fan | Weight |  |
|---------|--------|----------|------|-------------------|------|------|------|------|-------------------------|--------|--|
|         |        | [V]      | [W]  | [A]               | [A]  | [mm] | [mm] | [mm] |                         | [kg]   |  |
| FFH 125 | 111804 | 230V ~   | 3000 | 14,0              | 16   | 628  | 406  | 346  | ISORX 125 E2S 10        | 20,4   |  |
| FFH 150 | 111823 | 230V ~   | 3000 | 14,0              | 16   | 628  | 406  | 346  | ISORX 160 E2S 10        | 20,3   |  |
| FFH 160 | 111824 | 230V ~   | 3000 | 14,0              | 16   | 628  | 406  | 346  | ISORX 160 E2S 10        | 20,3   |  |
| FFH 200 | 111825 | 400V 3~N | 4500 | 7,1               | 10   | 628  | 406  | 346  | ISORX 200 E2S 10        | 23,4   |  |
| FFH 250 | 111826 | 400V 3~N | 9000 | 14,7              | 16   | 718  | 466  | 406  | ISORX 250 E2S 10        | 31,4   |  |
| FFH 315 | 111832 | 400V 3~N | 9000 | 14,2              | 16   | 718  | 466  | 406  | ISORX 250 E2S 10        | 31,3   |  |



| ID 111804 - 111823 - 111824 |     |     |     |     |    |    |    |    | ID 111825               |                      |     |     |     |    |    |    |    | ID 111826 - 111832      |    |                      |     |     |    |    |    |    |    |    |    |
|-----------------------------|-----|-----|-----|-----|----|----|----|----|-------------------------|----------------------|-----|-----|-----|----|----|----|----|-------------------------|----|----------------------|-----|-----|----|----|----|----|----|----|----|
|                             | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ  | 125                  | 250 | 500 | 1k | 2k | 4k | 8k |    |    |    |
| Inlet L <sub>WA5</sub>      |     |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |                      |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]        | 75  | 59  | 55  | 54  | 51 | 46 | 45 | 41 | 34                      | P <sub>st</sub> [Pa] | 100 | 65  | 47  | 55 | 59 | 59 | 57 | 56                      | 46 | P <sub>st</sub> [Pa] | 150 | 69  | 51 | 56 | 65 | 60 | 62 | 61 | 58 |
|                             | 150 | 61  | 59  | 55  | 51 | 45 | 44 | 40 | 32                      |                      | 300 | 66  | 51  | 57 | 61 | 59 | 58 | 57                      | 46 |                      | 300 | 69  | 57 | 59 | 64 | 59 | 61 | 60 | 58 |
| Outlet L <sub>WA6</sub>     |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]        | 75  | 60  | 56  | 54  | 53 | 49 | 50 | 47 | 38                      | P <sub>st</sub> [Pa] | 100 | 68  | 49  | 57 | 63 | 61 | 62 | 58                      | 47 | P <sub>st</sub> [Pa] | 150 | 72  | 50 | 57 | 67 | 63 | 67 | 63 | 57 |
|                             | 150 | 60  | 54  | 54  | 53 | 49 | 49 | 46 | 38                      |                      | 200 | 68  | 51  | 58 | 63 | 61 | 62 | 58                      | 46 |                      | 300 | 71  | 55 | 59 | 64 | 63 | 66 | 63 | 56 |
| Casing L <sub>WA2</sub>     |     |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |                      |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]        | 75  | 53  | 51  | 46  | 39 | 36 | 27 | 15 | 0                       | P <sub>st</sub> [Pa] | 100 | 50  | 43  | 46 | 44 | 37 | 32 | 28                      | 20 | P <sub>st</sub> [Pa] | 150 | 63  | 61 | 54 | 56 | 43 | 38 | 39 | 29 |
|                             | 150 | 52  | 51  | 45  | 38 | 33 | 23 | 0  | 0                       |                      | 200 | 52  | 46  | 49 | 45 | 36 | 33 | 31                      | 25 |                      | 300 | 63  | 62 | 55 | 54 | 42 | 37 | 38 | 28 |



- Compact supply air handling unit with integrated control
- 3-step fan setting
- Room or supply air temperature control
- Integrated main switch
- Easy installation

### Very convenient features

The housing is 30 mm thermally and acoustically insulated. The internal pressure losses are very low due to favourable large airflow area, all components are very small. The housing interior and exterior is very smooth and tight.

### Always the optimal fan

The units are offered with two different fan concepts.

For one, a very strong pressure forward curved radial fan, the other ETALINE, the tube fan with very high efficiency.

### Complete and ready to connect

The control system is integrated in the unit and completely wired. On the external control panel you can adjust 3 fan step, the supply air and room temperature. Filter monitoring is also a feature.

### Summary of the controls main settings

- Mode select panel
- Indication of actual fan setting and temperature
- Temperature setting with remote control
- Drive of heating or cooling valve
- Release of cooling machine
- Malfunction indicator with LED and malfunction code
- Min. or max. setting of supply air temperature
- 3 step fan setting for supply and exhaust fan
- Frost protection for warm water heating coil
- Drive of a warm water pump
- Differential pressure monitoring for filter
- Remote control with integrated temperature sensor
- Supply air unit with damper actuator



### Remote control

An elegant control panel with functional handling and digital display for fan step and desired temperature.



### Integrated controls

The control system is integrated in the housing side wall and easily accessible. All connections are plug type.



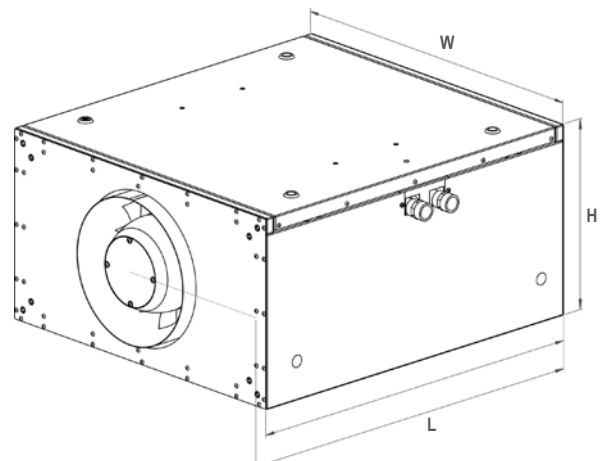
### High quality design and workmanship

The complete sheet metal housing is to a high degree heat and sound insulated and designed with great attention to detail. The dampers are integrated and are very tight. The cogwheels are protected against soiling.

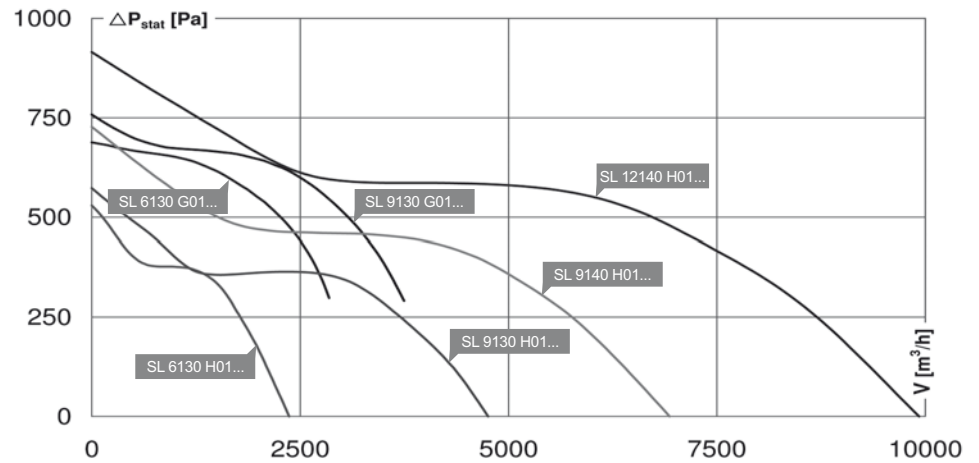


### Variable connection sides

Heating and cooling coils can be simply turned on site, so that a connection from both sides is possible.



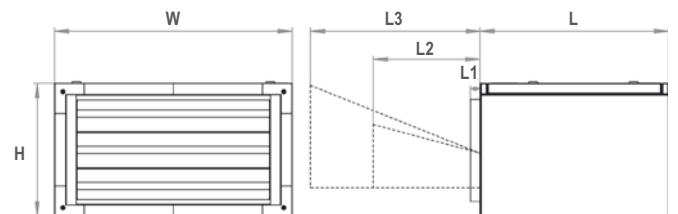
| Type                                                            | ID     |  | Type                   | ID     |  | With control | Air volume at 200Pa external pressure | Heating coil warm water | Cooling coil cold water | DX coil | Fan                     |         |
|-----------------------------------------------------------------|--------|--|------------------------|--------|--|--------------|---------------------------------------|-------------------------|-------------------------|---------|-------------------------|---------|
|                                                                 |        |  |                        |        |  |              |                                       |                         |                         |         | Forward curved impeller | Etaline |
| Damper without actuator, Fan                                    |        |  |                        |        |  |              |                                       |                         |                         |         |                         |         |
| SL 6130 G01 01                                                  | 116547 |  |                        |        |  |              | 2950                                  |                         |                         |         | x                       |         |
| SL 6130 H01 01                                                  | 116546 |  |                        |        |  |              | 1950                                  |                         |                         |         |                         | x       |
| SL 9130 G01 01                                                  | 116558 |  |                        |        |  |              | 3900                                  |                         |                         |         | x                       |         |
| SL 9130 H01 01                                                  | 116553 |  |                        |        |  |              | 3800                                  |                         |                         |         |                         | x       |
| SL 9140 H01 01                                                  | 116655 |  |                        |        |  |              | 6000                                  |                         |                         |         |                         | x       |
| SL 12140 H01 01                                                 | 119782 |  |                        |        |  |              | 8800                                  |                         |                         |         |                         | x       |
|                                                                 |        |  |                        |        |  |              |                                       |                         |                         |         |                         |         |
| Damper, Filter F5, Heater LPHW, Fan                             |        |  |                        |        |  |              |                                       |                         |                         |         |                         |         |
| Standard actuator                                               |        |  | Spring return actuator |        |  |              |                                       |                         |                         |         |                         |         |
| SL 6130 G02 01                                                  | 116517 |  |                        |        |  |              | 2300                                  | x                       |                         |         | x                       |         |
| SL 6130 G02J 01                                                 | 116493 |  | SL 6130 G02J 02        | 116957 |  | x            | 2300                                  | x                       |                         |         | x                       |         |
| SL 6130 H02 01                                                  | 116519 |  |                        |        |  |              | 1650                                  | x                       |                         |         |                         | x       |
| SL 6130 H02J 01                                                 | 115621 |  | SL 6130 H02J 02        | 116956 |  | x            | 1650                                  | x                       |                         |         |                         | x       |
| SL 9130 G02 01                                                  | 116528 |  |                        |        |  |              | 3300                                  | x                       |                         |         | x                       |         |
| SL 9130 G02J 01                                                 | 116496 |  | SL 9130 G02J 02        | 116962 |  | x            | 3300                                  | x                       |                         |         | x                       |         |
| SL 9130 H02 01                                                  | 116529 |  |                        |        |  |              | 3000                                  | x                       |                         |         |                         | x       |
| SL 9130 H02J 01                                                 | 115671 |  | SL 9130 H02J 02        | 116961 |  | x            | 3000                                  | x                       |                         |         |                         | x       |
| SL 9140 H02 01                                                  | 115707 |  |                        |        |  |              | 4150                                  | x                       |                         |         |                         | x       |
| SL 9140 H02J 01                                                 | 116669 |  | SL 9140 H02J 02        | 116966 |  | x            | 4150                                  | x                       |                         |         |                         | x       |
| SL 12140 H02 01                                                 | 119786 |  |                        |        |  |              | 6700                                  | x                       |                         |         |                         | x       |
| SL 12140 H02J 01                                                | 119721 |  | SL 12140 H02J 02       | 119791 |  | x            | 6700                                  | x                       |                         |         |                         | x       |
|                                                                 |        |  |                        |        |  |              |                                       |                         |                         |         |                         |         |
| Damper, Filter F5, Heating coil LPHW, Cooling coil LPCW/DX, Fan |        |  |                        |        |  |              |                                       |                         |                         |         |                         |         |
| Standard actuator                                               |        |  | Spring return actuator |        |  |              |                                       |                         |                         |         |                         |         |
| SL 6130 G03 01                                                  | 116522 |  |                        |        |  |              | 1800                                  | x                       | x                       |         | x                       |         |
| SL 6130 G03J 01                                                 | 116499 |  | SL 6130 G03J 04        | 117212 |  | x            | 1800                                  | x                       | x                       |         | x                       |         |
| SL 6130 G03 02                                                  | 116626 |  |                        |        |  |              | 1800                                  | x                       |                         | x       | x                       |         |
| SL 6130 G03J 02                                                 | 116625 |  | SL 6130 G03J 03        | 116959 |  | x            | 1800                                  | x                       |                         | x       | x                       |         |
| SL 9130 G03 01                                                  | 116535 |  |                        |        |  |              | 3100                                  | x                       | x                       |         | x                       |         |
| SL 9130 G03J 01                                                 | 116502 |  | SL 9130 G03J 04        | 117215 |  | x            | 3100                                  | x                       | x                       |         | x                       |         |
| SL 9130 G03 02                                                  | 116630 |  |                        |        |  |              | 3100                                  | x                       |                         | x       | x                       |         |
| SL 9130 G03J 02                                                 | 116629 |  | SL 9130 G03J 03        | 116964 |  | x            | 3100                                  | x                       |                         | x       | x                       |         |
| SL 9130 H03 01                                                  | 116537 |  |                        |        |  |              | 2100                                  | x                       | x                       |         |                         | x       |
| SL 9130 H03J 01                                                 | 116486 |  | SL 9130 H03J 04        | 117214 |  | x            | 2100                                  | x                       | x                       |         |                         | x       |
| SL 9130 H03 02                                                  | 116632 |  |                        |        |  |              | 2100                                  | x                       |                         | x       |                         | x       |
| SL 9130 H03J 02                                                 | 116631 |  | SL 9130 H03J 03        | 116963 |  | x            | 2100                                  | x                       |                         | x       |                         | x       |
| SL 9140 H03 01                                                  | 116886 |  |                        |        |  |              | 3800                                  | x                       | x                       |         |                         | x       |
| SL 9140 H03J 01                                                 | 117195 |  | SL 9140 H03J 04        | 117217 |  | x            | 3800                                  | x                       | x                       |         |                         | x       |
| SL 9140 H03 02                                                  | 116887 |  |                        |        |  |              | 3800                                  | x                       |                         | x       |                         | x       |
| SL 9140 H03J 02                                                 | 116888 |  | SL 9140 H03J 03        | 116967 |  | x            | 3800                                  | x                       |                         | x       |                         | x       |
| SL 12140 H03 01                                                 | 120543 |  |                        |        |  |              | 5950                                  | x                       | x                       |         |                         | x       |
| SL 12140 H03J 01                                                | 119704 |  | SL 12140 H03J 04       | 120547 |  | x            | 5950                                  | x                       | x                       |         |                         | x       |
| SL 12140 H03 02                                                 | 120541 |  |                        |        |  |              | 5950                                  | x                       |                         | x       |                         | x       |
| SL 12140 H03J 02                                                | 119705 |  | SL 12140 H03J 03       | 120549 |  | x            | 5950                                  | x                       |                         | x       |                         | x       |



| Type            | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | W<br>[mm] | H<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | L3<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|-----------------|--------|----------|-----------|--------------------------|-----------------------|-----------|-----------|-----------|------------|------------|------------|----------------|-------------------|
| SL 6130 G01 01  | 116547 | 230V ~   | 50        | 6,6                      | 1440                  | 667       | 367       | 530       | -          | 300        | 475        | 51,0           | 117007            |
| SL 6130 H01 01  | 116546 | 230V ~   | 50        | 1,7                      | 290                   | 667       | 367       | 530       | 15         | -          | -          | 51,0           | 118050            |
| SL 9130 G01 01  | 116558 | 230V ~   | 50        | 9,6                      | 2040                  | 967       | 367       | 530       | -          | 300        | 475        | 73,0           | 117007            |
| SL 9130 H01 01  | 116553 | 230V ~   | 50        | 3,4                      | 570                   | 967       | 367       | 530       | 15         | -          | -          | 73,0           | 120990            |
| SL 9140 H01 01  | 116655 | 230V ~   | 50        | 6,5                      | 1090                  | 967       | 467       | 530       | 68         | -          | -          | 88,0           | 120989            |
| SL 12140 H01 01 | 119782 | 230V ~   | 50        | 11,0                     | 1950                  | 1267      | 467       | 625       | 80         | -          | -          | 79,0           | 118031            |

L1 = Etaline L2 = Short diffuser L3 = Sound diffuser

- Compact exhaust unit
- Fan, voltage controllable
- Intergrated damper



| ID 116547               |     |     |     |     |                      |    |                      |    | ID 116558               |                         |     |     |     |                      |                |    |                      |    |    |
|-------------------------|-----|-----|-----|-----|----------------------|----|----------------------|----|-------------------------|-------------------------|-----|-----|-----|----------------------|----------------|----|----------------------|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k                   | 2k | 4k                   | 8k |                         | Σ                       | 125 | 250 | 500 | 1k                   | 2k             | 4k | 8k                   |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     | Sound power [dB (A)] |    |                      |    | Inlet L <sub>WA5</sub>  |                         |     |     |     | Sound power [dB (A)] |                |    |                      |    |    |
| P <sub>st</sub> [Pa]    | 300 | 79  | 61  | 67  | 69                   | 71 | 74                   | 72 | 69                      | P <sub>st</sub> [Pa]    | 300 | 82  | 61  | 70                   | 74             | 73 | 77                   | 76 | 74 |
| Outlet L <sub>WA6</sub> |     |     |     |     | Short diffuser       |    | Sound power [dB (A)] |    |                         | Outlet L <sub>WA6</sub> |     |     |     |                      | Short diffuser |    | Sound power [dB (A)] |    |    |
| P <sub>st</sub> [Pa]    | 300 | 84  | 60  | 67  | 72                   | 75 | 79                   | 77 | 76                      | P <sub>st</sub> [Pa]    | 300 | 87  | 61  | 71                   | 75             | 78 | 81                   | 81 | 79 |
| Outlet L <sub>WA6</sub> |     |     |     |     | Sound diffuser       |    | Sound power [dB (A)] |    |                         | Outlet L <sub>WA6</sub> |     |     |     |                      | Sound diffuser |    | Sound power [dB (A)] |    |    |
| P <sub>st</sub> [Pa]    | 300 | 73  | 65  | 68  | 65                   | 57 | 56                   | 60 | 63                      | P <sub>st</sub> [Pa]    | 300 | 75  | 63  | 71                   | 69             | 61 | 57                   | 63 | 67 |
| Casing L <sub>WA2</sub> |     |     |     |     | Sound power [dB (A)] |    |                      |    | Casing L <sub>WA2</sub> |                         |     |     |     | Sound power [dB (A)] |                |    |                      |    |    |
| P <sub>st</sub> [Pa]    | 300 | 63  | 60  | 57  | 49                   | 45 | 51                   | 54 | 53                      | P <sub>st</sub> [Pa]    | 300 | 62  | 55  | 57                   | 48             | 47 | 48                   | 53 | 56 |

| ID 116546               |     |     |     |     |    |    |    |    | ID 116553               |                      |     |     |     |    |    |    |    |    |    |
|-------------------------|-----|-----|-----|-----|----|----|----|----|-------------------------|----------------------|-----|-----|-----|----|----|----|----|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 78  | 61  | 74  | 70 | 71 | 70 | 69 | 60                      | P <sub>st</sub> [Pa] | 150 | 78  | 52  | 63 | 71 | 72 | 72 | 70 | 61 |
|                         | 300 | 83  | 70  | 79  | 76 | 76 | 73 | 73 | 66                      |                      | 300 | 77  | 52  | 63 | 72 | 72 | 70 | 67 | 59 |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 83  | 49  | 74  | 77 | 78 | 76 | 71 | 62                      | P <sub>st</sub> [Pa] | 150 | 85  | 54  | 75 | 78 | 81 | 79 | 74 | 64 |
|                         | 300 | 81  | 55  | 71  | 75 | 77 | 74 | 68 | 60                      |                      | 300 | 83  | 56  | 73 | 76 | 80 | 77 | 71 | 63 |
| Casing L <sub>WA2</sub> |     |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 59  | 42  | 57  | 50 | 50 | 46 | 48 | 42                      | P <sub>st</sub> [Pa] | 150 | 60  | 46  | 55 | 51 | 48 | 49 | 54 | 48 |
|                         | 300 | 57  | 45  | 53  | 48 | 50 | 45 | 44 | 40                      |                      | 300 | 58  | 47  | 53 | 51 | 48 | 48 | 49 | 45 |

| ID 116655               |     |     |     |     |    |    |    |    | ID 119782               |                      |     |     |     |    |    |    |    |    |    |
|-------------------------|-----|-----|-----|-----|----|----|----|----|-------------------------|----------------------|-----|-----|-----|----|----|----|----|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 82  | 53  | 68  | 75 | 77 | 76 | 73 | 66                      | P <sub>st</sub> [Pa] | 150 | 88  | 56  | 79 | 80 | 82 | 81 | 79 | 73 |
|                         | 300 | 80  | 53  | 66  | 75 | 75 | 74 | 71 | 63                      |                      | 300 | 86  | 54  | 76 | 79 | 81 | 80 | 77 | 71 |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 86  | 56  | 76  | 79 | 82 | 80 | 76 | 67                      | P <sub>st</sub> [Pa] | 150 | 92  | 59  | 80 | 86 | 87 | 85 | 81 | 73 |
|                         | 300 | 85  | 54  | 73  | 77 | 81 | 79 | 74 | 66                      |                      | 300 | 90  | 58  | 78 | 84 | 85 | 84 | 79 | 71 |
| Casing L <sub>WA2</sub> |     |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 62  | 47  | 55  | 52 | 54 | 54 | 57 | 51                      | P <sub>st</sub> [Pa] | 150 | 70  | 55  | 56 | 59 | 64 | 65 | 62 | 55 |
|                         | 300 | 61  | 49  | 53  | 52 | 53 | 52 | 54 | 49                      |                      | 300 | 68  | 55  | 54 | 58 | 63 | 64 | 60 | 54 |

## Legend

|                  |   |                                     |
|------------------|---|-------------------------------------|
| f                | = | Frequency [Hz]                      |
| I <sub>max</sub> | = | Max. operating current [A]          |
| L <sub>WA2</sub> | = | Casing - sound power level [dB (A)] |
| L <sub>WA5</sub> | = | Inlet - sound power level [dB (A)]  |
| L <sub>WA6</sub> | = | Outlet - sound power level [dB (A)] |
| P <sub>1</sub>   | = | Rated power [W]                     |
| U                | = | Voltage [V]                         |
| ID               | = | Part ID                             |



**SL SLIGHTLINE**, Extract Unit, for ceiling voids



**Specific Accessories**  
For details see page: 150



**Isolator Switch**



**Damper actuator**  
24 V, 3-Point Control



**Damper actuator**  
230 V, 3-Point Control



**Pressure sensor**  
50-500 Pa



**Damper eliminated**



**Filter F5**



**Sound diffuser**

| <b>SL 6130 G01 01</b><br>ID 116547                      | <b>SL 6130 H01 01</b><br>ID 116546      | <b>SL 9130 G01 01</b><br>ID 116558                      | <b>SL 9130 H01 01</b><br>ID 116553      |  | MWLA. |
|---------------------------------------------------------|-----------------------------------------|---------------------------------------------------------|-----------------------------------------|--|-------|
| 230V ~/50Hz<br>6,6 A 1.440 W                            | 230V ~/50Hz<br>1,7 A 290 W              | 230V ~/50Hz<br>9,6 A 2.040 W                            | 230V ~/50Hz<br>3,4 A 570 W              |  |       |
| Damper without actuator<br>Fan: Forward curved impeller | Damper without actuator<br>Fan: Etaline | Damper without actuator<br>Fan: Forward curved impeller | Damper without actuator<br>Fan: Etaline |  |       |

| Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                |  |        |
|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|--|--------|
| <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             |  | MYSL.  |
| <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            |  | MYSL.  |
| <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            |  | MYSL.  |
| <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            |  | MYSL.  |
| <b>Opt. 21 -JKL</b><br>ID 119227 Reduced price | <b>Opt. 21 -JKL</b><br>ID 119227 Reduced price | <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price | <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price |  | MWL.   |
| <b>Opt. 22 +F5</b><br>ID 108378 / 119221       | <b>Opt. 22 +F5</b><br>ID 108378 / 119221       | <b>Opt. 32 +F5</b><br>ID 108380 / 119222       | <b>Opt. 32 +F5</b><br>ID 108380 / 119222       |  | MYMEP. |
| <b>SDK 0130</b><br>ID 115830                   |                                                | <b>SDK 0130</b><br>ID 115830                   |                                                |  | MYMZD. |
|                                                |                                                |                                                |                                                |  |        |
|                                                |                                                |                                                |                                                |  |        |
|                                                |                                                |                                                |                                                |  |        |
|                                                |                                                |                                                |                                                |  |        |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

| MWLA | <b>SL 9140 H01 01</b><br>ID 116655      | <b>SL 12140 H01 01</b><br>ID 119782     |  |  |
|------|-----------------------------------------|-----------------------------------------|--|--|
|      | 230V ~/50Hz<br>6,5 A 1.090 W            | 230V ~/50Hz<br>11,0 A 1.950 W           |  |  |
|      | Damper without actuator<br>Fan: Etaline | Damper without actuator<br>Fan: Etaline |  |  |



**Specific Accessories**  
For details see page: 150

|       | Loose / Mounted                                | Loose / Mounted                                |  |  |
|-------|------------------------------------------------|------------------------------------------------|--|--|
| MYSR  | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             |  |  |
| MYSLS | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            |  |  |
| MYSLS | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            |  |  |
| MYSLM | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            |  |  |
| MWLZ  | <b>Opt. 41 -JKL</b><br>ID 119220 Reduced price | <b>Opt. 51 -JKL</b><br>ID 120557 Reduced price |  |  |
| MYMEP | <b>Opt. 42 +F5</b><br>ID 115506 / 119223       | <b>Opt. 52 +F5</b><br>ID 119521 / 120558       |  |  |
|       |                                                |                                                |  |  |
|       |                                                |                                                |  |  |
|       |                                                |                                                |  |  |
|       |                                                |                                                |  |  |
|       |                                                |                                                |  |  |
|       |                                                |                                                |  |  |

**Isolator Switch**



**Damper actuator**  
24 V, 3-Point Control



**Damper actuator**  
230 V, 3-Point Control



**Pressure sensor**  
50-500 Pa



**Damper eliminated**

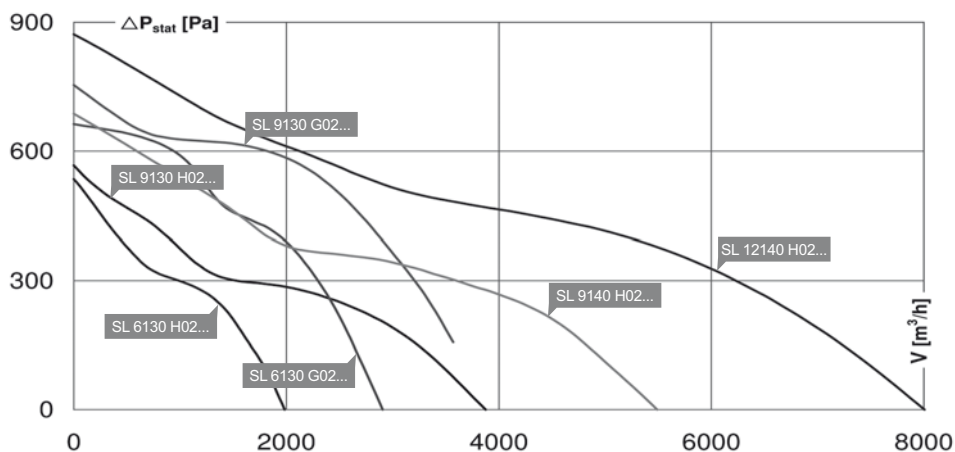


**F7 Filter instead of F5 Filter**



|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

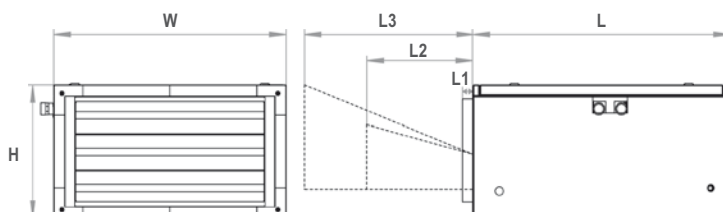
|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |



| Type             | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm | W<br>[mm] | H<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | L3<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|------------------|--------|----------|-----------|--------------------------|-----------------------|--------------|-----------|-----------|-----------|------------|------------|------------|----------------|-------------------|
| SL 6130 G02 01   | 116517 | 230V ~   | 50        | 5,9                      | 1270                  | 3            | 667       | 367       | 740       | -          | 300        | 475        | 68,0           | 117007            |
| SL 6130 G02J 01  | 116493 | 230V ~   | 50        | 5,9                      | 1270                  | 3            | 667       | 367       | 740       | -          | 300        | 475        | 71,0           |                   |
| SL 6130 H02 01   | 116519 | 230V ~   | 50        | 1,6                      | 280                   | 2            | 667       | 367       | 740       | 15         | -          | -          | 68,0           | 118050            |
| SL 6130 H02J 01  | 115621 | 230V ~   | 50        | 1,6                      | 280                   | 2            | 667       | 367       | 740       | 15         | -          | -          | 71,0           |                   |
| SL 9130 G02 01   | 116528 | 230V ~   | 50        | 8,5                      | 1790                  | 3            | 967       | 367       | 740       | -          | 300        | 475        | 96,0           | 117007            |
| SL 9130 G02J 01  | 116496 | 230V ~   | 50        | 8,5                      | 1790                  | 3            | 967       | 367       | 740       | -          | 300        | 475        | 99,0           |                   |
| SL 9130 H02 01   | 116529 | 230V ~   | 50        | 3,4                      | 580                   | 2            | 967       | 367       | 740       | 15         | -          | -          | 96,0           | 120990            |
| SL 9130 H02J 01  | 115671 | 230V ~   | 50        | 3,4                      | 580                   | 2            | 967       | 367       | 740       | 15         | -          | -          | 99,0           |                   |
| SL 9140 H02 01   | 115707 | 230V ~   | 50        | 6,5                      | 1090                  | 3            | 967       | 467       | 740       | 68         | -          | -          | 114,0          | 120989            |
| SL 9140 H02J 01  | 116669 | 230V ~   | 50        | 6,5                      | 1090                  | 3            | 967       | 467       | 740       | 68         | -          | -          | 116,0          |                   |
| SL 12140 H02 01  | 119786 | 230V ~   | 50        | 11,0                     | 1950                  | 3            | 1267      | 467       | 785       | 80         | -          | -          | 115,0          | 118031            |
| SL 12140 H02J 01 | 119721 | 230V ~   | 50        | 11,0                     | 1950                  | 3            | 1267      | 467       | 785       | 80         | -          | -          | 115,0          |                   |

L1 = Etaline L2 = Short diffuser L3 = Sound diffuser

- J-Version with control
- 3-step fan setting
- Room or supply air temperature control
- Integrated main switch
- Easy installation



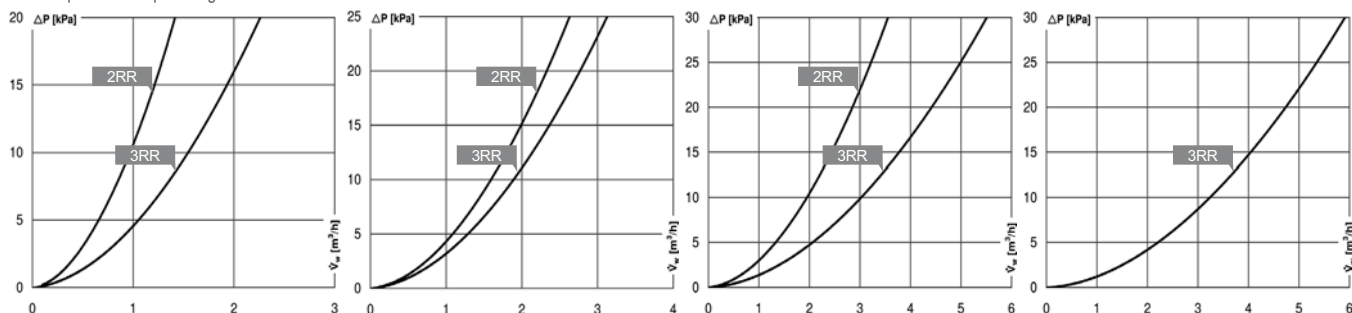
| ID 116519 - 115621      |     |     |     |     |    |    |    |    | ID 116529 - 115671      |                      |     |     |     |    |    |    |    | ID 115707 - 116669      |    |                      |     |     |    |    |    |    |    |    |    |
|-------------------------|-----|-----|-----|-----|----|----|----|----|-------------------------|----------------------|-----|-----|-----|----|----|----|----|-------------------------|----|----------------------|-----|-----|----|----|----|----|----|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ  | 125                  | 250 | 500 | 1k | 2k | 4k | 8k |    |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |                      |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |    |                      |     |     |    |    |    |    |    |    |    |
| Sound power [dB (A)]    |     |     |     |     |    |    |    |    | Sound power [dB (A)]    |                      |     |     |     |    |    |    |    | Sound power [dB (A)]    |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 71  | 48  | 58  | 66 | 67 | 64 | 59 | 47                      | P <sub>st</sub> [Pa] | 150 | 74  | 52  | 62 | 69 | 69 | 66 | 60                      | 49 | P <sub>st</sub> [Pa] | 150 | 77  | 52 | 66 | 72 | 72 | 69 | 64 | 52 |
|                         | 300 | 72  | 59  | 61  | 68 | 67 | 63 | 59 | 47                      |                      | 300 | 75  | 59  | 63 | 72 | 70 | 66 | 60                      | 49 |                      | 300 | 78  | 60 | 66 | 73 | 73 | 70 | 64 | 52 |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |    |                      |     |     |    |    |    |    |    |    |    |
| Sound power [dB (A)]    |     |     |     |     |    |    |    |    | Sound power [dB (A)]    |                      |     |     |     |    |    |    |    | Sound power [dB (A)]    |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 80  | 52  | 64  | 73 | 77 | 75 | 68 | 60                      | P <sub>st</sub> [Pa] | 150 | 83  | 56  | 71 | 76 | 79 | 77 | 71                      | 63 | P <sub>st</sub> [Pa] | 150 | 85  | 56 | 75 | 78 | 81 | 79 | 74 | 65 |
|                         | 300 | 81  | 58  | 70  | 75 | 78 | 74 | 68 | 60                      |                      | 300 | 84  | 65  | 72 | 78 | 80 | 77 | 71                      | 64 |                      | 300 | 86  | 65 | 76 | 80 | 83 | 80 | 74 | 66 |
| Casing L <sub>WA2</sub> |     |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |                      |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |    |                      |     |     |    |    |    |    |    |    |    |
| Sound power [dB (A)]    |     |     |     |     |    |    |    |    | Sound power [dB (A)]    |                      |     |     |     |    |    |    |    | Sound power [dB (A)]    |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 150 | 53  | 42  | 46  | 47 | 46 | 44 | 41 | 34                      | P <sub>st</sub> [Pa] | 150 | 56  | 46  | 51 | 49 | 46 | 46 | 45                      | 38 | P <sub>st</sub> [Pa] | 150 | 60  | 47 | 56 | 52 | 53 | 51 | 51 | 40 |
|                         | 300 | 56  | 49  | 50  | 49 | 47 | 44 | 41 | 34                      |                      | 300 | 58  | 51  | 53 | 51 | 47 | 46 | 45                      | 38 |                      | 300 | 63  | 56 | 58 | 54 | 56 | 53 | 51 | 41 |

| ID 116517 - 116493      |     |     |                      |     |    |    |    |    | ID 116528 - 116496      |                      |     |                      |     |    |    |    |    | ID 119786 - 119721      |    |                      |                      |     |    |    |    |    |    |    |    |
|-------------------------|-----|-----|----------------------|-----|----|----|----|----|-------------------------|----------------------|-----|----------------------|-----|----|----|----|----|-------------------------|----|----------------------|----------------------|-----|----|----|----|----|----|----|----|
|                         | Σ   | 125 | 250                  | 500 | 1k | 2k | 4k | 8k |                         | Σ                    | 125 | 250                  | 500 | 1k | 2k | 4k | 8k |                         | Σ  | 125                  | 250                  | 500 | 1k | 2k | 4k | 8k |    |    |    |
| Inlet L <sub>WA5</sub>  |     |     |                      |     |    |    |    |    | Inlet L <sub>WA5</sub>  |                      |     |                      |     |    |    |    |    | Inlet L <sub>WA5</sub>  |    |                      |                      |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 300 | 73  | 59                   | 62  | 65 | 67 | 68 | 64 | 56                      | P <sub>st</sub> [Pa] | 150 | 77                   | 59  | 69 | 71 | 68 | 71 | 67                      | 61 | P <sub>st</sub> [Pa] | 150                  | 84  | 56 | 78 | 77 | 79 | 76 | 70 | 58 |
|                         |     |     |                      |     |    |    |    |    |                         |                      | 300 | 75                   | 58  | 66 | 69 | 67 | 70 | 66                      | 59 |                      |                      | 300 | 83 | 58 | 75 | 78 | 79 | 76 | 70 |
| Outlet L <sub>WA6</sub> |     |     |                      |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |                      |     |    |    |    |    | Outlet L <sub>WA6</sub> |    |                      |                      |     |    |    |    |    |    |    |    |
| Short diffuser          |     |     | Sound power [dB (A)] |     |    |    |    |    | Short diffuser          |                      |     | Sound power [dB (A)] |     |    |    |    |    | Short diffuser          |    |                      | Sound power [dB (A)] |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 300 | 82  | 58                   | 65  | 71 | 73 | 77 | 76 | 74                      | P <sub>st</sub> [Pa] | 150 | 86                   | 60  | 70 | 75 | 78 | 81 | 81                      | 79 | P <sub>st</sub> [Pa] | 150                  | 91  | 60 | 76 | 85 | 87 | 85 | 80 | 72 |
|                         |     |     |                      |     |    |    |    |    |                         |                      | 300 | 85                   | 58  | 69 | 73 | 76 | 80 | 79                      | 77 |                      |                      | 300 | 91 | 63 | 77 | 85 | 88 | 85 | 79 |
| Outlet L <sub>WA6</sub> |     |     |                      |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |                      |     |    |    |    |    |                         |    |                      |                      |     |    |    |    |    |    |    |    |
| Sound diffuser          |     |     | Sound power [dB (A)] |     |    |    |    |    | Sound diffuser          |                      |     | Sound power [dB (A)] |     |    |    |    |    |                         |    |                      |                      |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 300 | 70  | 62                   | 65  | 64 | 55 | 54 | 60 | 63                      | P <sub>st</sub> [Pa] | 150 | 76                   | 63  | 72 | 70 | 62 | 58 | 64                      | 67 |                      |                      |     |    |    |    |    |    |    |    |
|                         |     |     |                      |     |    |    |    |    |                         |                      | 300 | 73                   | 62  | 70 | 67 | 59 | 57 | 62                      | 65 |                      |                      |     |    |    |    |    |    |    |    |
| Casing L <sub>WA2</sub> |     |     |                      |     |    |    |    |    | Casing L <sub>WA2</sub> |                      |     |                      |     |    |    |    |    | Casing L <sub>WA2</sub> |    |                      |                      |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 300 | 59  | 55                   | 52  | 46 | 44 | 48 | 50 | 46                      | P <sub>st</sub> [Pa] | 150 | 59                   | 54  | 56 | 46 | 47 | 47 | 49                      | 47 | P <sub>st</sub> [Pa] | 150                  | 65  | 51 | 54 | 55 | 59 | 60 | 55 | 44 |
|                         |     |     |                      |     |    |    |    |    |                         |                      | 300 | 58                   | 52  | 54 | 45 | 46 | 46 | 47                      | 45 |                      |                      | 300 | 65 | 53 | 55 | 56 | 59 | 59 | 54 |

Heating coil LPHW

| t <sub>w</sub> Water | t <sub>le</sub> Air in | Size 61/30      |    |                 |    |                 |    |                 |    | Size 91/30      |    |                 |    |                 |    |                 |    | Size 91/40      |    |                 |    |                 |    |                 |     | Size 121/40     |     |                 |     |
|----------------------|------------------------|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|-----|-----------------|-----|-----------------|-----|
|                      |                        | 1000 m³/h       |    |                 |    | 2000 m³/h       |    |                 |    | 2000 m³/h       |    |                 |    | 3000 m³/h       |    |                 |    | 3000 m³/h       |    |                 |    | 4000 m³/h       |    |                 |     | 5000 m³/h       |     | 6000 m³/h       |     |
|                      |                        | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |     | 3RR             |     | 3RR             |     |
|                      |                        | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q   | t <sub>La</sub> | Q   | t <sub>La</sub> | Q   |
|                      |                        | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW  | °C              | kW  | °C              | kW  |
| 60 - 40              | -15                    | 29              | 16 | 29              | 17 | 10              | 19 | 20              | 27 | 15              | 23 | 27              | 32 | 10              | 29 | 21              | 42 | 13              | 33 | 24              | 45 | 10              | 39 | 20              | 55  | 23              | 73  | 21              | 82  |
|                      | -10                    | 33              | 15 | 30              | 15 | 13              | 17 | 22              | 24 | 17              | 21 | 28              | 29 | 13              | 27 | 23              | 38 | 16              | 29 | 26              | 41 | 13              | 35 | 22              | 49  | 25              | 66  | 23              | 74  |
|                      | -5                     | 35              | 14 | 32              | 14 | 16              | 15 | 24              | 22 | 20              | 19 | 30              | 26 | 16              | 24 | 26              | 34 | 18              | 26 | 28              | 37 | 16              | 31 | 25              | 44  | 27              | 59  | 25              | 67  |
|                      | 0                      | 37              | 13 | 33              | 12 | 18              | 14 | 26              | 19 | 22              | 16 | 32              | 23 | 19              | 21 | 28              | 30 | 21              | 23 | 29              | 33 | 19              | 28 | 27              | 39  | 29              | 53  | 27              | 59  |
| 70 - 50              | -20                    | 23              | 15 | 35              | 22 | 11              | 25 | 24              | 35 | 18              | 30 | 32              | 41 | 12              | 38 | 26              | 54 | 15              | 42 | 29              | 58 | 12              | 50 | 25              | 70  | 28              | 93  | 25              | 104 |
|                      | -15                    | 25              | 14 | 37              | 20 | 14              | 23 | 26              | 32 | 20              | 27 | 34              | 38 | 15              | 35 | 28              | 50 | 18              | 39 | 31              | 54 | 15              | 46 | 27              | 65  | 30              | 86  | 27              | 97  |
|                      | -10                    | 27              | 13 | 38              | 18 | 17              | 21 | 29              | 29 | 23              | 25 | 36              | 35 | 18              | 32 | 30              | 46 | 21              | 36 | 33              | 49 | 18              | 42 | 29              | 60  | 32              | 79  | 29              | 89  |
|                      | -5                     | 29              | 12 | 40              | 17 | 20              | 19 | 31              | 27 | 26              | 23 | 38              | 32 | 21              | 29 | 32              | 42 | 24              | 32 | 35              | 45 | 21              | 39 | 31              | 54  | 34              | 72  | 32              | 81  |
| 80 - 60              | -25                    | 24              | 20 | 41              | 27 | 13              | 30 | 28              | 43 | 20              | 36 | 38              | 50 | 14              | 47 | 30              | 66 | 18              | 52 | 34              | 71 | 13              | 61 | 29              | 86  | 32              | 113 | 28              | 128 |
|                      | -20                    | 27              | 18 | 43              | 25 | 16              | 28 | 31              | 40 | 23              | 34 | 40              | 47 | 17              | 44 | 32              | 61 | 21              | 48 | 36              | 67 | 16              | 57 | 31              | 80  | 34              | 106 | 31              | 119 |
|                      | -15                    | 29              | 17 | 45              | 23 | 18              | 26 | 33              | 37 | 26              | 32 | 42              | 44 | 20              | 41 | 34              | 57 | 24              | 45 | 38              | 62 | 20              | 54 | 33              | 75  | 37              | 99  | 33              | 111 |
|                      | -10                    | 32              | 16 | 47              | 21 | 22              | 25 | 36              | 34 | 29              | 29 | 43              | 40 | 23              | 37 | 37              | 53 | 27              | 42 | 41              | 57 | 23              | 50 | 36              | 69  | 39              | 92  | 36              | 103 |
| 82 - 71              | -10                    | 38              | 18 | 53              | 24 | 27              | 28 | 41              | 39 | 34              | 33 | 49              | 45 | 28              | 43 | 42              | 59 | 32              | 47 | 47              | 64 | 27              | 57 | 42              | 78  | 44              | 102 | 41              | 115 |
|                      | -5                     | 40              | 17 | 55              | 22 | 30              | 26 | 43              | 36 | 37              | 31 | 51              | 42 | 31              | 40 | 45              | 55 | 34              | 44 | 49              | 60 | 30              | 53 | 44              | 73  | 47              | 95  | 44              | 107 |
|                      | 0                      | 43              | 16 | 56              | 21 | 33              | 24 | 46              | 33 | 39              | 28 | 53              | 39 | 34              | 37 | 47              | 51 | 37              | 41 | 51              | 55 | 33              | 49 | 46              | 67  | 49              | 88  | 46              | 100 |
| 110 - 70             | -25                    | 33              | 23 | 54              | 32 | 19              | 35 | 38              | 50 | 28              | 43 | 50              | 60 | 20              | 54 | 40              | 78 | 25              | 60 | 45              | 84 | 20              | 72 | 38              | 101 | 43              | 135 | 38              | 151 |
|                      | -20                    | 35              | 21 | 56              | 30 | 22              | 33 | 40              | 47 | 31              | 40 | 52              | 56 | 23              | 51 | 42              | 74 | 28              | 57 | 47              | 80 | 23              | 67 | 41              | 96  | 45              | 127 | 41              | 143 |
|                      | -15                    | 38              | 20 | 58              | 28 | 25              | 31 | 43              | 44 | 34              | 38 | 54              | 53 | 27              | 48 | 45              | 69 | 31              | 53 | 50              | 75 | 26              | 63 | 43              | 90  | 48              | 120 | 44              | 134 |
|                      | -10                    | 40              | 19 | 60              | 26 | 29              | 29 | 45              | 42 | 36              | 35 | 56              | 50 | 30              | 45 | 47              | 65 | 34              | 50 | 52              | 70 | 29              | 59 | 46              | 84  | 50              | 112 | 46              | 126 |

Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L \cdot (t_{La} - t_{Le}) \cdot 1,22 / 3600$  [kW]  
 Water volume  $\dot{V}_W = Q \cdot 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000$  m³/h;  $t_{Le} / t_{La} = -15/25$  °C;  $t_{We} / t_{Wa} = 70/50$  °C

$Q = 3.000 \cdot 40 \cdot 1,22 / 3.600 = 41$  kW  
 $\dot{V}_W = 41 \cdot 0,86 / 20 = 1,76$  m³/h



**Specific Accessories**  
 For details see page: 150

| <b>SL 6130 G02 01</b><br>ID 116517                                              | <b>SL 6130 H02 01</b><br>ID 116519                              | <b>SL 9130 G02 01</b><br>ID 116528                                              | <b>SL 9130 H02 01</b><br>ID 116529                              |  | MWLZ. |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------|--|-------|
| 230V ~/50Hz<br>5,9 A 1.270 W                                                    | 230V ~/50Hz<br>1,6 A 280 W                                      | 230V ~/50Hz<br>8,5 A 1.790 W                                                    | 230V ~/50Hz<br>3,4 A 580 W                                      |  |       |
| Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Forward curved impeller | Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline | Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Forward curved impeller | Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline |  |       |
|                                                                                 |                                                                 |                                                                                 |                                                                 |  |       |



**Isolator Switch**



**Damper actuator**  
 24 V, 3-Point Control



**Damper actuator**  
 230 V, 3-Point Control



**Pressure sensor**  
 50-500 Pa



**Frost protection thermostat**



**Damper eliminated**



**F7 Filter instead of F5 Filter**



**Three way ball valve**  
 For Heating Coil



**Sound diffuser**

| Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                |  |        |
|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|--|--------|
| <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             |  | MYSL.  |
| <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            |  | MYSL.  |
| <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            |  | MYSL.  |
| <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            |  | MYSL.  |
| <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            |  | MYSL.  |
| <b>Opt. 21 -JKL</b><br>ID 119227 Reduced price | <b>Opt. 21 -JKL</b><br>ID 119227 Reduced price | <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price | <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price |  | MWLZ.  |
| <b>Opt. 23 -F5/+F7</b><br>ID 119224            | <b>Opt. 23 -F5/+F7</b><br>ID 119224            | <b>Opt. 33 -F5/+F7</b><br>ID 119225            | <b>Opt. 33 -F5/+F7</b><br>ID 119225            |  | MWLZ.  |
| <b>STK 02</b><br>ID 112935                     | <b>STK 01</b><br>ID 112934                     | <b>STK 02</b><br>ID 112935                     | <b>STK 02</b><br>ID 112935                     |  | MYSL.  |
| <b>SDK 0130</b><br>ID 115830                   |                                                | <b>SDK 0130</b><br>ID 115830                   |                                                |  | MYMZD. |
|                                                |                                                |                                                |                                                |  |        |
|                                                |                                                |                                                |                                                |  |        |



|                                                                                                        |                                                                                        |                                                                                                        |                                                                                        |  |       |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|-------|
| <b>SL 6130 G02J 01</b><br>ID 116493                                                                    | <b>SL 6130 H02J 01</b><br>ID 115621                                                    | <b>SL 9130 G02J 01</b><br>ID 116496                                                                    | <b>SL 9130 H02J 01</b><br>ID 115671                                                    |  | MWLZ. |
| 230V ~/50Hz<br>5,9 A 1.270 W                                                                           | 230V ~/50Hz<br>1,6 A 280 W                                                             | 230V ~/50Hz<br>8,5 A 1.790 W                                                                           | 230V ~/50Hz<br>3,4 A 580 W                                                             |  |       |
| <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Forward curved impeller | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Forward curved impeller | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline |  |       |
|                                                                                                        |                                                                                        |                                                                                                        |                                                                                        |  |       |



**F7 Filter instead of F5 Filter**



**Three way ball valve**  
 For Heating Coil



**Sound diffuser**

|                                     |                                     |                                     |                                     |  |        |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|--------|
| <b>Opt. 23 -F5/+F7</b><br>ID 119224 | <b>Opt. 23 -F5/+F7</b><br>ID 119224 | <b>Opt. 33 -F5/+F7</b><br>ID 119225 | <b>Opt. 33 -F5/+F7</b><br>ID 119225 |  | MWLZ.  |
| <b>STK 02</b><br>ID 112935          | <b>STK 01</b><br>ID 112934          | <b>STK 02</b><br>ID 112935          | <b>STK 02</b><br>ID 112935          |  | MYSL.  |
| <b>SDK 0130</b><br>ID 115830        |                                     | <b>SDK 0130</b><br>ID 115830        |                                     |  | MYMZD. |
|                                     |                                     |                                     |                                     |  |        |
|                                     |                                     |                                     |                                     |  |        |

| MWLZ. | <b>SL 9140 H02 01</b><br>ID 115707                                                              | <b>SL 12140 H02 01</b><br>ID 119786                                                              |  |  |  |
|-------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|--|--|
|       | 230V ~/50Hz<br>6,5 A 1.090 W<br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline | 230V ~/50Hz<br>11,0 A 1.950 W<br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline |  |  |  |



**Specific Accessories**  
For details see page: 150

|        | Loose / Mounted                                | Loose / Mounted                                |  |  |                                                  |
|--------|------------------------------------------------|------------------------------------------------|--|--|--------------------------------------------------|
| MYSR.  | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             |  |  | <b>Isolator Switch</b>                           |
| MYSL.  | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            |  |  | <b>Damper actuator</b><br>24 V, 3-Point Control  |
| MYSL.  | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            |  |  | <b>Damper actuator</b><br>230 V, 3-Point Control |
| MYSLM. | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            |  |  | <b>Pressure sensor</b><br>50-500 Pa              |
| MYSLT. | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            |  |  | <b>Frost protection thermostat</b>               |
| MWLZ.  | <b>Opt. 41 -JKL</b><br>ID 119220 Reduced price | <b>Opt. 51 -JKL</b><br>ID 120557 Reduced price |  |  | <b>Damper eliminated</b>                         |
| MWLZ.  | <b>Opt. 43 -F5/+F7</b><br>ID 119226            | <b>Opt. 52 +F5</b><br>ID 119521 / 120558       |  |  | <b>F7 Filter instead of F5 Filter</b>            |
| MYSL.  | <b>STK 03</b><br>ID 112936                     | <b>STK 03</b><br>ID 112936                     |  |  | <b>Three way ball valve</b><br>For Heating Coil  |
|        |                                                |                                                |  |  |                                                  |
|        |                                                |                                                |  |  |                                                  |
|        |                                                |                                                |  |  |                                                  |

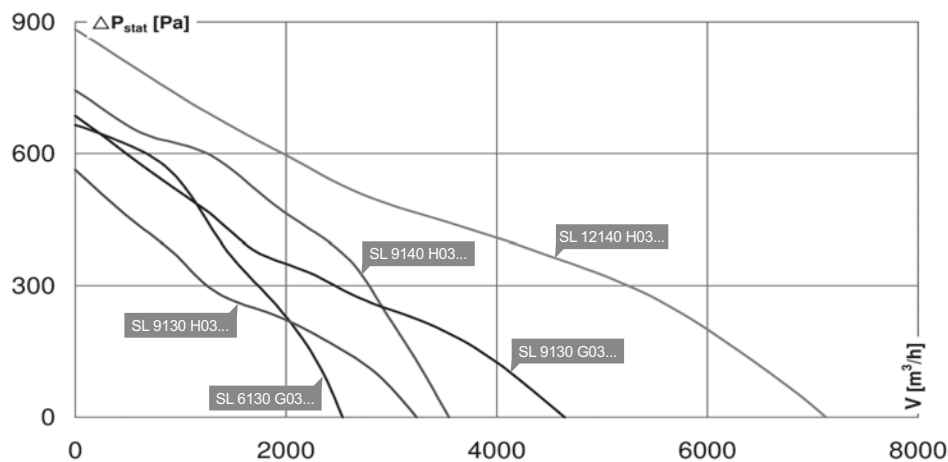


|       |                                                                                                                        |                                                                                                                         |  |  |  |
|-------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--|--|--|
| MWLZ. | <b>SL 9140 H02J 01</b><br>ID 116669                                                                                    | <b>SL 12140 H02J 01</b><br>ID 119721                                                                                    |  |  |  |
|       | 230V ~/50Hz<br>6,5 A 1.090 W<br><b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline | 230V ~/50Hz<br>11,0 A 1.950 W<br><b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Fan: Etaline |  |  |  |



|       |                                     |                                 |  |  |                                                 |
|-------|-------------------------------------|---------------------------------|--|--|-------------------------------------------------|
| MYSL. | <b>Opt. 43 -F5/+F7</b><br>ID 119226 | <b>Opt. 52 +F5</b><br>ID 120558 |  |  | <b>F7 Filter instead of F5 Filter</b>           |
| MYSL. | <b>STK 03</b><br>ID 112936          | <b>STK 03</b><br>ID 112936      |  |  | <b>Three way ball valve</b><br>For Heating Coil |
|       |                                     |                                 |  |  |                                                 |
|       |                                     |                                 |  |  |                                                 |
|       |                                     |                                 |  |  |                                                 |

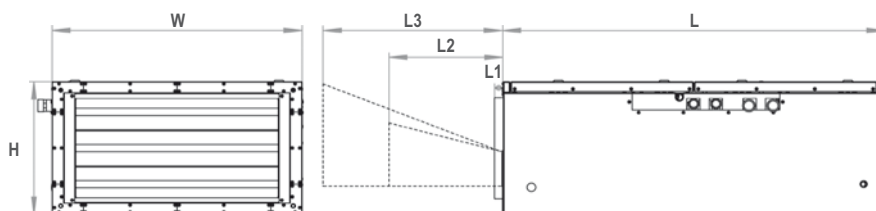




| Type             | ID     | U<br>[V] | f<br>[Hz] | I <sub>max</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm | Rows<br>Cooling | W<br>[mm] | H<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | L3<br>[mm] | Weight<br>[kg] | Wiring<br>diagram |
|------------------|--------|----------|-----------|-------------------------|-----------------------|--------------|-----------------|-----------|-----------|-----------|------------|------------|------------|----------------|-------------------|
| SL 6130 G03 01   | 116522 | 230V ~   | 50        | 5,2                     | 1100                  | 3            | 4               | 667       | 367       | 1020      | -          | 300        | 475        | 85,0           | 117007            |
| SL 6130 G03J 01  | 116499 | 230V ~   | 50        | 5,2                     | 1100                  | 3            | 4               | 667       | 367       | 1020      | -          | 300        | 475        | 88,0           |                   |
| SL 6130 G03 02   | 116626 | 230V ~   | 50        | 5,2                     | 1100                  | 3            | 4               | 667       | 367       | 1020      | -          | 300        | 475        | 85,0           | 117007            |
| SL 6130 G03J 02  | 116625 | 230V ~   | 50        | 5,2                     | 1100                  | 3            | 4               | 667       | 367       | 1020      | -          | 300        | 475        | 88,0           |                   |
| SL 9130 G03 01   | 116535 | 230V ~   | 50        | 8,3                     | 1620                  | 3            | 4               | 967       | 367       | 1020      | -          | 300        | 475        | 120,0          | 117007            |
| SL 9130 G03J 01  | 116502 | 230V ~   | 50        | 8,3                     | 1620                  | 3            | 4               | 967       | 367       | 1020      | -          | 300        | 475        | 123,0          |                   |
| SL 9130 G03 02   | 116630 | 230V ~   | 50        | 8,3                     | 1620                  | 3            | 4               | 967       | 367       | 1020      | -          | 300        | 475        | 120,0          | 117007            |
| SL 9130 G03J 02  | 116629 | 230V ~   | 50        | 8,3                     | 1620                  | 3            | 4               | 967       | 367       | 1020      | -          | 300        | 475        | 123,0          |                   |
| SL 9130 H03 01   | 116537 | 230V ~   | 50        | 3,3                     | 540                   | 2            | 3               | 967       | 367       | 1020      | 15         | -          | -          | 120,0          | 120990            |
| SL 9130 H03J 01  | 116486 | 230V ~   | 50        | 3,3                     | 540                   | 2            | 3               | 967       | 367       | 1020      | 15         | -          | -          | 123,0          |                   |
| SL 9130 H03 02   | 116632 | 230V ~   | 50        | 3,3                     | 540                   | 2            | 4               | 967       | 367       | 1020      | 15         | -          | -          | 120,0          | 120990            |
| SL 9130 H03J 02  | 116631 | 230V ~   | 50        | 3,3                     | 540                   | 2            | 4               | 967       | 367       | 1020      | 15         | -          | -          | 123,0          |                   |
| SL 9140 H03 01   | 116886 | 230V ~   | 50        | 6,3                     | 1040                  | 3            | 4               | 967       | 467       | 1020      | 68         | -          | -          | 138,0          | 120989            |
| SL 9140 H03J 01  | 117195 | 230V ~   | 50        | 6,3                     | 1040                  | 3            | 4               | 967       | 467       | 1020      | 68         | -          | -          | 140,0          |                   |
| SL 9140 H03 02   | 116887 | 230V ~   | 50        | 6,3                     | 1040                  | 3            | 4               | 967       | 467       | 1020      | 68         | -          | -          | 138,0          | 120989            |
| SL 9140 H03J 02  | 116888 | 230V ~   | 50        | 6,3                     | 1040                  | 3            | 4               | 967       | 467       | 1020      | 68         | -          | -          | 140,0          |                   |
| SL 12140 H03 01  | 120543 | 230V ~   | 50        | 11,0                    | 1950                  | 3            | 4               | 1267      | 467       | 1115      | 80         | -          | -          | 150,0          | 118031            |
| SL 12140 H03J 01 | 119704 | 230V ~   | 50        | 11,0                    | 1950                  | 3            | 4               | 1267      | 467       | 1115      | 80         | -          | -          | 150,0          |                   |
| SL 12140 H03 02  | 120541 | 230V ~   | 50        | 11,0                    | 1950                  | 3            | 4               | 1267      | 467       | 1115      | 80         | -          | -          | 150,0          | 118031            |
| SL 12140 H03J 02 | 119705 | 230V ~   | 50        | 11,0                    | 1950                  | 3            | 4               | 1267      | 467       | 1115      | 80         | -          | -          | 150,0          |                   |

L1 = Etaline L2 = Short diffuser L3 = Sound diffuser

- J-Version with control
- 3-step fan setting
- Room or supply air temperature control
- Integrated main switch
- Easy installation



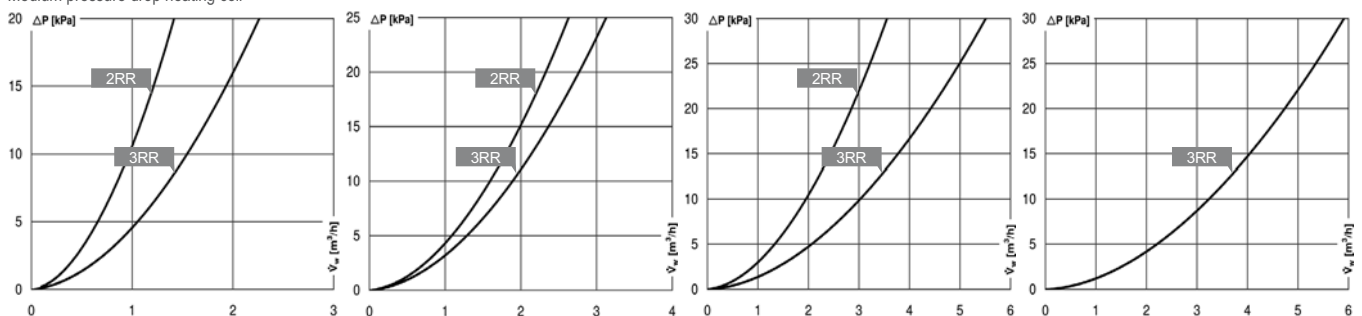
| ID 116537 - 116486 - 116632 - 116631 |     |     |     |     |    |    |    |    | ID 116886 - 117195 - 116887 - 116888 |                      |     |     |     |    |    |    |    | ID 120543 - 119704 - 120541 - 119705 |    |                      |     |     |    |    |    |    |    |    |    |
|--------------------------------------|-----|-----|-----|-----|----|----|----|----|--------------------------------------|----------------------|-----|-----|-----|----|----|----|----|--------------------------------------|----|----------------------|-----|-----|----|----|----|----|----|----|----|
|                                      | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                                      | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                                      | Σ  | 125                  | 250 | 500 | 1k | 2k | 4k | 8k |    |    |    |
| Inlet L <sub>WA5</sub>               |     |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>               |                      |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>               |    |                      |     |     |    |    |    |    |    |    |    |
| Sound power [dB (A)]                 |     |     |     |     |    |    |    |    | Sound power [dB (A)]                 |                      |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]                 | 150 | 74  | 55  | 65  | 71 | 69 | 65 | 58 | 44                                   | P <sub>st</sub> [Pa] | 150 | 77  | 55  | 63 | 72 | 73 | 69 | 62                                   | 47 | P <sub>st</sub> [Pa] | 150 | 84  | 57 | 79 | 78 | 78 | 74 | 67 | 53 |
|                                      | 300 | 74  | 62  | 61  | 71 | 68 | 64 | 58 | 45                                   |                      | 300 | 78  | 65  | 65 | 73 | 73 | 69 | 62                                   | 47 |                      | 300 | 84  | 60 | 78 | 78 | 78 | 74 | 57 | 52 |
| Outlet L <sub>WA6</sub>              |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub>              |                      |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub>              |    |                      |     |     |    |    |    |    |    |    |    |
| Sound power [dB (A)]                 |     |     |     |     |    |    |    |    | Sound power [dB (A)]                 |                      |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]                 | 150 | 85  | 59  | 75  | 78 | 81 | 78 | 71 | 63                                   | P <sub>st</sub> [Pa] | 150 | 86  | 59  | 71 | 78 | 83 | 80 | 74                                   | 66 | P <sub>st</sub> [Pa] | 150 | 91  | 63 | 79 | 85 | 87 | 85 | 79 | 71 |
|                                      | 300 | 84  | 64  | 71  | 78 | 80 | 77 | 72 | 65                                   |                      | 300 | 88  | 69  | 75 | 81 | 84 | 81 | 75                                   | 67 |                      | 300 | 92  | 71 | 78 | 87 | 88 | 85 | 80 | 72 |
| Casing L <sub>WA2</sub>              |     |     |     |     |    |    |    |    | Casing L <sub>WA2</sub>              |                      |     |     |     |    |    |    |    | Casing L <sub>WA2</sub>              |    |                      |     |     |    |    |    |    |    |    |    |
| Sound power [dB (A)]                 |     |     |     |     |    |    |    |    | Sound power [dB (A)]                 |                      |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |                      |     |     |    |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]                 | 150 | 58  | 51  | 55  | 51 | 47 | 44 | 42 | 33                                   | P <sub>st</sub> [Pa] | 150 | 60  | 51  | 53 | 52 | 54 | 51 | 49                                   | 37 | P <sub>st</sub> [Pa] | 150 | 62  | 49 | 56 | 54 | 57 | 56 | 50 | 37 |
|                                      | 300 | 60  | 57  | 53  | 52 | 47 | 45 | 44 | 35                                   |                      | 300 | 65  | 62  | 57 | 56 | 56 | 54 | 50                                   | 38 |                      | 300 | 63  | 53 | 56 | 55 | 57 | 56 | 50 | 37 |

| ID 116522 - 116499 - 116626 - 116625 |     |                |     |     |                      |    |    |    | ID 116535 - 116502 - 116630 - 116629 |                      |                |     |     |                      |    |    |    |    |    |
|--------------------------------------|-----|----------------|-----|-----|----------------------|----|----|----|--------------------------------------|----------------------|----------------|-----|-----|----------------------|----|----|----|----|----|
|                                      | Σ   | 125            | 250 | 500 | 1k                   | 2k | 4k | 8k |                                      | Σ                    | 125            | 250 | 500 | 1k                   | 2k | 4k | 8k |    |    |
| Inlet L <sub>WA5</sub>               |     |                |     |     |                      |    |    |    | Inlet L <sub>WA5</sub>               |                      |                |     |     |                      |    |    |    |    |    |
| Sound power [dB (A)]                 |     |                |     |     |                      |    |    |    | Sound power [dB (A)]                 |                      |                |     |     |                      |    |    |    |    |    |
| P <sub>st</sub> [Pa]                 | 150 | 71             | 57  | 61  | 62                   | 65 | 66 | 60 | 49                                   | P <sub>st</sub> [Pa] | 150            | 74  | 58  | 66                   | 69 | 66 | 68 | 63 | 53 |
|                                      | 300 | 72             | 58  | 63  | 65                   | 66 | 65 | 59 | 49                                   |                      | 300            | 74  | 58  | 64                   | 68 | 67 | 68 | 62 | 51 |
| Outlet L <sub>WA6</sub>              |     | Short diffuser |     |     | Sound power [dB (A)] |    |    |    | Outlet L <sub>WA6</sub>              |                      | Short diffuser |     |     | Sound power [dB (A)] |    |    |    |    |    |
| P <sub>st</sub> [Pa]                 | 150 | 82             | 56  | 64  | 71                   | 73 | 77 | 75 | 73                                   | P <sub>st</sub> [Pa] | 150            | 86  | 61  | 69                   | 74 | 77 | 81 | 80 | 77 |
|                                      | 300 | 81             | 60  | 66  | 72                   | 74 | 76 | 75 | 73                                   |                      | 300            | 84  | 59  | 67                   | 73 | 75 | 80 | 78 | 76 |
| Outlet L <sub>WA6</sub>              |     | Sound diffuser |     |     | Sound power [dB (A)] |    |    |    | Outlet L <sub>WA6</sub>              |                      | Sound diffuser |     |     | Sound power [dB (A)] |    |    |    |    |    |
| P <sub>st</sub> [Pa]                 | 150 | 69             | 59  | 64  | 63                   | 54 | 53 | 58 | 62                                   | P <sub>st</sub> [Pa] | 150            | 73  | 62  | 69                   | 67 | 59 | 56 | 63 | 66 |
|                                      | 300 | 71             | 62  | 66  | 65                   | 56 | 53 | 58 | 61                                   |                      | 300            | 72  | 61  | 67                   | 66 | 57 | 55 | 62 | 64 |
| Casing L <sub>WA2</sub>              |     |                |     |     |                      |    |    |    | Casing L <sub>WA2</sub>              |                      |                |     |     |                      |    |    |    |    |    |
| Sound power [dB (A)]                 |     |                |     |     |                      |    |    |    | Sound power [dB (A)]                 |                      |                |     |     |                      |    |    |    |    |    |
| P <sub>st</sub> [Pa]                 | 150 | 57             | 55  | 51  | 45                   | 42 | 46 | 45 | 38                                   | P <sub>st</sub> [Pa] | 150            | 58  | 52  | 54                   | 44 | 45 | 45 | 46 | 42 |
|                                      | 300 | 59             | 55  | 53  | 48                   | 44 | 45 | 44 | 38                                   |                      | 300            | 57  | 51  | 53                   | 44 | 45 | 45 | 45 | 41 |

Heating coil LPHW

| t <sub>w</sub> Water | t <sub>Le</sub> Air in | Size 61/30      |    |                 |    |                 |    |                 |    | Size 91/30      |    |                 |    |                 |    |                 |    | Size 91/40      |    |                 |    |                 |    |                 |     | Size 121/40     |     |                 |     |
|----------------------|------------------------|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|-----|-----------------|-----|-----------------|-----|
|                      |                        | 1000 m³/h       |    |                 |    | 2000 m³/h       |    |                 |    | 2000 m³/h       |    |                 |    | 3000 m³/h       |    |                 |    | 3000 m³/h       |    |                 |    | 4000 m³/h       |    |                 |     | 5000 m³/h       |     | 6000 m³/h       |     |
|                      |                        | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |    | 2RR             |    | 3RR             |     | 3RR             |     | 3RR             |     |
|                      |                        | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q  | t <sub>La</sub> | Q   | t <sub>La</sub> | Q   | t <sub>La</sub> | Q   |
|                      |                        | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW | °C              | kW  | °C              | kW  | °C              | kW  |
| 60 - 40              | -15                    | 29              | 16 | 29              | 17 | 10              | 19 | 20              | 27 | 15              | 23 | 27              | 32 | 10              | 29 | 21              | 42 | 13              | 33 | 24              | 45 | 10              | 39 | 20              | 55  | 23              | 73  | 21              | 82  |
|                      | -10                    | 33              | 15 | 30              | 15 | 13              | 17 | 22              | 24 | 17              | 21 | 28              | 29 | 13              | 27 | 23              | 38 | 16              | 29 | 26              | 41 | 13              | 35 | 22              | 49  | 25              | 66  | 23              | 74  |
|                      | -5                     | 35              | 14 | 32              | 14 | 16              | 15 | 24              | 22 | 20              | 19 | 30              | 26 | 16              | 24 | 26              | 34 | 18              | 26 | 28              | 37 | 16              | 31 | 25              | 44  | 27              | 59  | 25              | 67  |
|                      | 0                      | 37              | 13 | 33              | 12 | 18              | 14 | 26              | 19 | 22              | 16 | 32              | 23 | 19              | 21 | 28              | 30 | 21              | 23 | 29              | 33 | 19              | 28 | 27              | 39  | 29              | 53  | 27              | 59  |
| 70 - 50              | -20                    | 23              | 15 | 35              | 22 | 11              | 25 | 24              | 35 | 18              | 30 | 32              | 41 | 12              | 38 | 26              | 54 | 15              | 42 | 29              | 58 | 12              | 50 | 25              | 70  | 28              | 93  | 25              | 104 |
|                      | -15                    | 25              | 14 | 37              | 20 | 14              | 23 | 26              | 32 | 20              | 27 | 34              | 38 | 15              | 35 | 28              | 50 | 18              | 39 | 31              | 54 | 15              | 46 | 27              | 65  | 30              | 86  | 27              | 97  |
|                      | -10                    | 27              | 13 | 38              | 18 | 17              | 21 | 29              | 29 | 23              | 25 | 36              | 35 | 18              | 32 | 30              | 46 | 21              | 36 | 33              | 49 | 18              | 42 | 29              | 60  | 32              | 79  | 29              | 89  |
|                      | -5                     | 29              | 12 | 40              | 17 | 20              | 19 | 31              | 27 | 26              | 23 | 38              | 32 | 21              | 29 | 32              | 42 | 24              | 32 | 35              | 45 | 21              | 39 | 31              | 54  | 34              | 72  | 32              | 81  |
| 80 - 60              | -25                    | 24              | 20 | 41              | 27 | 13              | 30 | 28              | 43 | 20              | 36 | 38              | 50 | 14              | 47 | 30              | 66 | 18              | 52 | 34              | 71 | 13              | 61 | 29              | 86  | 32              | 113 | 28              | 128 |
|                      | -20                    | 27              | 18 | 43              | 25 | 16              | 28 | 31              | 40 | 23              | 34 | 40              | 47 | 17              | 44 | 32              | 61 | 21              | 48 | 36              | 67 | 16              | 57 | 31              | 80  | 34              | 106 | 31              | 119 |
|                      | -15                    | 29              | 17 | 45              | 23 | 18              | 26 | 33              | 37 | 26              | 32 | 42              | 44 | 20              | 41 | 34              | 57 | 24              | 45 | 38              | 62 | 20              | 54 | 33              | 75  | 37              | 99  | 33              | 111 |
|                      | -10                    | 32              | 16 | 47              | 21 | 22              | 25 | 36              | 34 | 29              | 29 | 43              | 40 | 23              | 37 | 37              | 53 | 27              | 42 | 41              | 57 | 23              | 50 | 36              | 69  | 39              | 92  | 36              | 103 |
| 82 - 71              | -10                    | 38              | 18 | 53              | 24 | 27              | 28 | 41              | 39 | 34              | 33 | 49              | 45 | 28              | 43 | 42              | 59 | 32              | 47 | 47              | 64 | 27              | 57 | 42              | 78  | 44              | 102 | 41              | 115 |
|                      | -5                     | 40              | 17 | 55              | 22 | 30              | 26 | 43              | 36 | 37              | 31 | 51              | 42 | 31              | 40 | 45              | 55 | 34              | 44 | 49              | 60 | 30              | 53 | 44              | 73  | 47              | 95  | 44              | 107 |
|                      | 0                      | 43              | 16 | 56              | 21 | 33              | 24 | 46              | 33 | 39              | 28 | 53              | 39 | 34              | 37 | 47              | 51 | 37              | 41 | 51              | 55 | 33              | 49 | 46              | 67  | 49              | 88  | 46              | 100 |
| 110 - 70             | -25                    | 33              | 23 | 54              | 32 | 19              | 35 | 38              | 50 | 28              | 43 | 50              | 60 | 20              | 54 | 40              | 78 | 25              | 60 | 45              | 84 | 20              | 72 | 38              | 101 | 43              | 135 | 38              | 151 |
|                      | -20                    | 35              | 21 | 56              | 30 | 22              | 33 | 40              | 47 | 31              | 40 | 52              | 56 | 23              | 51 | 42              | 74 | 28              | 57 | 47              | 80 | 23              | 67 | 41              | 96  | 45              | 127 | 41              | 143 |
|                      | -15                    | 38              | 20 | 58              | 28 | 25              | 31 | 43              | 44 | 34              | 38 | 54              | 53 | 27              | 48 | 45              | 69 | 31              | 53 | 50              | 75 | 26              | 63 | 43              | 90  | 48              | 120 | 44              | 134 |
|                      | -10                    | 40              | 19 | 60              | 26 | 29              | 29 | 45              | 42 | 36              | 35 | 56              | 50 | 30              | 45 | 47              | 65 | 34              | 50 | 52              | 70 | 29              | 59 | 46              | 84  | 50              | 112 | 46              | 126 |

Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L * (t_{La} - t_{Le}) * 1,22 / 3600$  [kW]  
 Water volume  $\dot{V}_W = Q * 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}$ ;  $t_{Le} / t_{La} = -15/25 \text{ } ^\circ\text{C}$ ;  $t_{We} / t_{Wa} = 70/50 \text{ } ^\circ\text{C}$

$Q = 3.000 * 40 * 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 * 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$



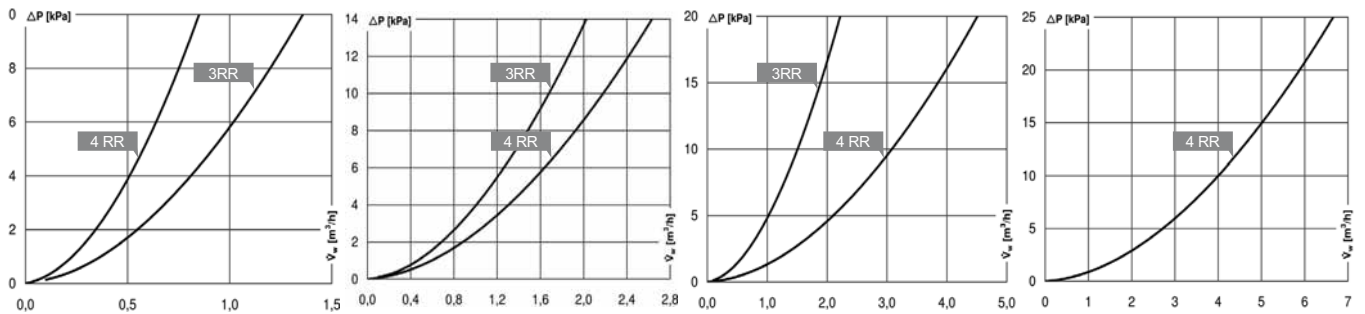
Cold water cooling coil

| $t_{we}$ Water | $t_{Le}$ Air in  | Size 61/30             |         |                |         | Size 91/30             |         |                |         | Size 91/40             |         |                |         | Size 121/40            |         |                |         |
|----------------|------------------|------------------------|---------|----------------|---------|------------------------|---------|----------------|---------|------------------------|---------|----------------|---------|------------------------|---------|----------------|---------|
|                |                  | Air volume $\dot{V}_L$ |         |                |         | Air volume $\dot{V}_L$ |         |                |         | Air volume $\dot{V}_L$ |         |                |         | Air volume $\dot{V}_L$ |         |                |         |
|                |                  | 1000 m³/h              |         | 2000 m³/h      |         | 2000 m³/h              |         | 3000 m³/h      |         | 3000 m³/h              |         | 4000 m³/h      |         |                        |         |                |         |
|                |                  | 3RR                    |         | 3RR            |         | 3RR                    |         | 3RR            |         | 3RR                    |         | 3RR            |         |                        |         |                |         |
|                |                  | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW |                        |         |                |         |
| 6 - 12         | 32 °C 40 % r. H. | 19                     | 5,5     | 22             | 9       | 20                     | 11      | 21             | 14      | 20                     | 15      | 21             | 18      |                        |         |                |         |
|                |                  | 4RR                    |         | 4RR            |         | 4RR                    |         | 4RR            |         | 4RR                    |         | 4RR            |         | 4RR                    |         | 4RR            |         |
|                |                  | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW |
|                |                  | 16                     | 7       | 19             | 12      | 16                     | 14      | 19             | 18      | 18                     | 19      | 20             | 23      | 18                     | 32      | 19             | 36      |

DX coil

| Evaporation | $t_{Le}$ Air in  | Size 61/30             |         |                |         | Size 91/30             |         |                |         | Size 91/40             |         |                |         | Size 121/40            |         |                |         |
|-------------|------------------|------------------------|---------|----------------|---------|------------------------|---------|----------------|---------|------------------------|---------|----------------|---------|------------------------|---------|----------------|---------|
|             |                  | Air volume $\dot{V}_L$ |         |                |         | Air volume $\dot{V}_L$ |         |                |         | Air volume $\dot{V}_L$ |         |                |         | Air volume $\dot{V}_L$ |         |                |         |
|             |                  | 1000 m³/h              |         | 2000 m³/h      |         | 2000 m³/h              |         | 3000 m³/h      |         | 3000 m³/h              |         | 4000 m³/h      |         | 5000 m³/h              |         | 6000 m³/h      |         |
|             |                  | 4RR                    |         | 4RR            |         | 4RR                    |         | 4RR            |         | 4RR                    |         | 4RR            |         | 4RR                    |         | 4RR            |         |
|             |                  | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW | $t_{La}$<br>°C         | Q<br>kW | $t_{La}$<br>°C | Q<br>kW |
| 6 °C (R407) | 32 °C 40 % r. H. | 14                     | 9       | 17             | 14      | 15                     | 17      | 17             | 22      | 15                     | 25      | 17             | 30      | 16                     | 37      | 17             | 42      |

Medium pressure drop cooling coil



Legend

- f = Frequency [Hz]
- $I_{max}$  = Max. operating current [A]
- LWA2 = Casing - sound power level [dB (A)]
- LWA5 = Inlet - sound power level [dB (A)]
- LWA6 = Outlet - sound power level [dB (A)]
- $P_1$  = Rated power [W]
- Q = Heating Capacity [kW]
- RR = Number of rows
- $t_{La}$  = Air out temperature [°C]
- $t_{Le}$  = Air in temperature [°C]
- $t_{We}$  = Water in temperature [°C]
- $t_{Wa}$  = Water out temperature [°C]
- $t_W$  = Water Temperature
- U = Voltage [V]
- $\dot{V}$  = Air volume in ducting at 5 m/s [m³/h]
- $\dot{V}_L$  = Air volume referred to 20 °C [m³/h]
- $\dot{V}_W$  = Water volume [m³/h]
- $\Delta P_{stat}$  = Static pressure increase [Pa]
- ID = Part ID

|      | <b>SL 6130 G03 01</b><br>ID 116522                                                                         | <b>SL 6130 G03 02</b><br>ID 116626                                                         | <b>SL 9130 G03 01</b><br>ID 116535                                                                         | <b>SL 9130 G03 02</b><br>ID 116630                                                         |
|------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|      | 230V ~/50Hz<br>5,2A 1.100 W                                                                                | 230V ~/50Hz<br>5,2A 1.100 W                                                                | 230V ~/50Hz<br>8,3 A 1.620 W                                                                               | 230V ~/50Hz<br>8,3 A 1.620 W                                                               |
| MWLZ | Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Forward curved impeller | Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Forward curved impeller | Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Forward curved impeller | Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Forward curved impeller |



**Specific Accessories**  
For details see page: 150

|       | Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                |                                                  |
|-------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| MYSR  | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>Isolator Switch</b>                           |
| MYSL  | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>Damper actuator</b><br>24 V, 3-Point Control  |
| MYSL  | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>Damper actuator</b><br>230 V, 3-Point Control |
| MYSLM | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>Pressure sensor</b><br>50-500 Pa              |
| MYSLT | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | <b>Frost protection thermostat</b>               |
| MWLZ  | <b>Opt. 21 -JKL</b><br>ID 119227 Reduced price | <b>Opt. 21 -JKL</b><br>ID 119227 Reduced price | <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price | <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price | <b>Damper eliminated</b>                         |
| MWLZ  | <b>Opt. 23 -F5/+F7</b><br>ID 119224            | <b>Opt. 23 -F5/+F7</b><br>ID 119224            | <b>Opt. 33 -F5/+F7</b><br>ID 119225            | <b>Opt. 33 -F5/+F7</b><br>ID 119225            | <b>F7 Filter instead of F5 Filter</b>            |
| MYSL  | <b>STK 02</b><br>ID 112935                     | <b>STK 02</b><br>ID 112935                     | <b>STK 02</b><br>ID 112935                     | <b>STK 02</b><br>ID 112935                     | <b>Three way ball valve</b><br>For Heating Coil  |
| MYSL  | <b>STK 03</b><br>ID 112936                     | <b>STK 03</b><br>ID 112936                     | <b>STK 03</b><br>ID 112936                     | <b>STK 03</b><br>ID 112936                     | <b>Three way ball valve</b><br>For Cooling Coil  |
| MYMZD | <b>SDK 0130</b><br>ID 115830                   | <b>SDK 0130</b><br>ID 115830                   | <b>SDK 0130</b><br>ID 115830                   | <b>SDK 0130</b><br>ID 115830                   | <b>Sound diffuser</b>                            |



|      |                                                                                                                                   |                                                                                                                   |                                                                                                                                   |                                                                                                                   |  |
|------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--|
|      | <b>SL 6130 G03J 01</b><br>ID 116499                                                                                               | <b>SL 6130 G03J 02</b><br>ID 116625                                                                               | <b>SL 9130 G03J 01</b><br>ID 116502                                                                                               | <b>SL 9130 G03J 02</b><br>ID 116629                                                                               |  |
|      | 230V ~/50Hz<br>5,2A 1.100 W                                                                                                       | 230V ~/50Hz<br>5,2A 1.100 W                                                                                       | 230V ~/50Hz<br>8,3 A 1.620 W                                                                                                      | 230V ~/50Hz<br>8,3 A 1.620 W                                                                                      |  |
| MWLZ | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Forward curved impeller | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Forward curved impeller | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Forward curved impeller | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Forward curved impeller |  |



|       |                                     |                                     |                                     |                                     |                                                 |
|-------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------------|
| MWLZ  | <b>Opt. 23 -F5/+F7</b><br>ID 119224 | <b>Opt. 23 -F5/+F7</b><br>ID 119224 | <b>Opt. 33 -F5/+F7</b><br>ID 119225 | <b>Opt. 33 -F5/+F7</b><br>ID 119225 | <b>F7 Filter instead of F5 Filter</b>           |
| MYSL  | <b>STK 02</b><br>ID 112935          | <b>STK 02</b><br>ID 112935          | <b>STK 02</b><br>ID 112935          | <b>STK 02</b><br>ID 112935          | <b>Three way ball valve</b><br>For Heating Coil |
| MYSL  | <b>STK 03</b><br>ID 112936          | <b>STK 03</b><br>ID 112936          | <b>STK 03</b><br>ID 112936          | <b>STK 03</b><br>ID 112936          | <b>Three way ball valve</b><br>For Cooling Coil |
| MYMZD | <b>SDK 0130</b><br>ID 115830        | <b>SDK 0130</b><br>ID 115830        | <b>SDK 0130</b><br>ID 115830        | <b>SDK 0130</b><br>ID 115830        | <b>Sound diffuser</b>                           |





**Specific Accessories**  
 For details see page: 148



**Isolator Switch**



**Damper actuator**  
 24 V, 3-Point Control



**Damper actuator**  
 230 V, 3-Point Control



**Pressure sensor**  
 50-500 Pa



**Frost protection thermostat**



**Damper eliminated**



**F7 Filter instead of F5 Filter**



**Three way ball valve**  
 For Heating Coil



**Three way ball valve**  
 For Cooling Coil

## SL SLIGHTLINE, Supply AHU, Filter, Heater, Cooler, Fan (Control)

| <b>SL 9130 H03 01</b><br>ID 116537                                                         | <b>SL 9130 H03 02</b><br>ID 116632                                         | <b>SL 9140 H03 01</b><br>ID 116886                                                         | <b>SL 9140 H03 02</b><br>ID 116887                                         |       |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------|
| 230V ~/50Hz<br>3,3 A 540 W                                                                 | 230V ~/50Hz<br>3,3 A 540 W                                                 | 230V ~/50Hz<br>6,3 A 1.040 W                                                               | 230V ~/50Hz<br>6,3 A 1.040 W                                               |       |
| Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Etaline | Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Etaline | Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Etaline | Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Etaline | MWLZ. |

| Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                | Loose / Mounted                                |       |
|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|-------|
| <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             | MYSL. |
| <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            | MYSL. |
| <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            | MYSL. |
| <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            | MYSL. |
| <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            | MYSL. |
| <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price | <b>Opt. 31 -JKL</b><br>ID 119219 Reduced price | <b>Opt. 41 -JKL</b><br>ID 119220 Reduced price | <b>Opt. 41 -JKL</b><br>ID 119220 Reduced price | MWLZ. |
| <b>Opt. 33 -F5/+F7</b><br>ID 119225            | <b>Opt. 33 -F5/+F7</b><br>ID 119225            | <b>Opt. 43 -F5/+F7</b><br>ID 119226            | <b>Opt. 43 -F5/+F7</b><br>ID 119226            | MWLZ. |
| <b>STK 02</b><br>ID 112935                     | <b>STK 02</b><br>ID 112935                     | <b>STK 03</b><br>ID 112936                     | <b>STK 03</b><br>ID 112936                     | MYSL. |
| <b>STK 03</b><br>ID 112936                     | <b>STK 03</b><br>ID 112936                     | <b>STK 04</b><br>ID 117602                     | <b>STK 04</b><br>ID 117602                     | MYSL. |
|                                                |                                                |                                                |                                                |       |
|                                                |                                                |                                                |                                                |       |



|                                                                                                                   |                                                                                                   |                                                                                                                   |                                                                                                   |       |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------|
| <b>SL 9130 H03J 01</b><br>ID 116486                                                                               | <b>SL 9130 H03J 02</b><br>ID 116631                                                               | <b>SL 9140 H03J 01</b><br>ID 117195                                                                               | <b>SL 9140 H03J 02</b><br>ID 116888                                                               |       |
| 230V ~/50Hz<br>3,3 A 540 W                                                                                        | 230V ~/50Hz<br>3,3 A 540 W                                                                        | 230V ~/50Hz<br>6,3 A 1.040 W                                                                                      | 230V ~/50Hz<br>6,3 A 1.040 W                                                                      |       |
| <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Etaline | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Etaline | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Etaline | <b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Etaline | MWLZ. |



**F7 Filter instead of F5 Filter**



**Three way ball valve**  
 For Heating Coil



**Three way ball valve**  
 For Cooling Coil

|                                     |                                     |                                     |                                     |       |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------|
| <b>Opt. 33 -F5/+F7</b><br>ID 119225 | <b>Opt. 33 -F5/+F7</b><br>ID 119225 | <b>Opt. 43 -F5/+F7</b><br>ID 119226 | <b>Opt. 43 -F5/+F7</b><br>ID 119226 | MWLZ. |
| <b>STK 02</b><br>ID 112935          | <b>STK 02</b><br>ID 112935          | <b>STK 03</b><br>ID 112936          | <b>STK 03</b><br>ID 112936          | MYSL. |
| <b>STK 03</b><br>ID 112936          | <b>STK 03</b><br>ID 112936          | <b>STK 04</b><br>ID 117602          | <b>STK 04</b><br>ID 117602          | MYSL. |
|                                     |                                     |                                     |                                     |       |
|                                     |                                     |                                     |                                     |       |

| MWLZ. | <b>SL 12140 H03 01</b><br>ID 120543                                                                                         | <b>SL 12140 H03 02</b><br>ID 120541                                                                         |  |  |  |
|-------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|--|--|
|       | 230V ~/50Hz<br>11,0 A 1.950 W<br>Dampers<br>Filter F5<br>Heating coil warm water<br>Cooling coil cold water<br>Fan: Etaline | 230V ~/50Hz<br>11,0 A 1.950 W<br>Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Etaline |  |  |  |



**Specific Accessories**  
For details see page: 148

|        | Loose / Mounted                                | Loose / Mounted                                |  |  |                                                  |
|--------|------------------------------------------------|------------------------------------------------|--|--|--------------------------------------------------|
| MYSR.  | <b>GS 01</b><br>ID 102787 / 119230             | <b>GS 01</b><br>ID 102787 / 119230             |  |  | <b>Isolator Switch</b>                           |
| MYSLS. | <b>STA 01</b><br>ID 103590 / 119234            | <b>STA 01</b><br>ID 103590 / 119234            |  |  | <b>Damper actuator</b><br>24 V, 3-Point Control  |
| MYSLS. | <b>STA 11</b><br>ID 103933 / 119235            | <b>STA 11</b><br>ID 103933 / 119235            |  |  | <b>Damper actuator</b><br>230 V, 3-Point Control |
| MYSLM. | <b>MAN 01</b><br>ID 104226 / 119231            | <b>MAN 01</b><br>ID 104226 / 119231            |  |  | <b>Pressure sensor</b><br>50-500 Pa              |
| MYSLT. | <b>THE 01</b><br>ID 103666 / 119233            | <b>THE 01</b><br>ID 103666 / 119233            |  |  | <b>Frost protection thermostat</b>               |
| MWLZ.  | <b>Opt. 51 -JKL</b><br>ID 120557 Reduced price | <b>Opt. 51 -JKL</b><br>ID 120557 Reduced price |  |  | <b>Damper eliminated</b>                         |
| MWLZ.  | <b>Opt. 52 +F5</b><br>ID 119521 / 120558       | <b>Opt. 52 +F5</b><br>ID 119521 / 120558       |  |  | <b>F7 Filter instead of F5 Filter</b>            |
| MYSLS. | <b>STK 03</b><br>ID 112936                     | <b>STK 03</b><br>ID 112936                     |  |  | <b>Three way ball valve</b><br>For Heating Coil  |
| MYSLS. | <b>STK 04</b><br>ID 117602                     |                                                |  |  | <b>Three way ball valve</b><br>For Cooling Coil  |
|        |                                                |                                                |  |  |                                                  |
|        |                                                |                                                |  |  |                                                  |



|       |                                                                                                                                    |                                                                                                                                    |  |  |  |
|-------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| MWLZ. | <b>SL 12140 H03J 01</b><br>ID 119704                                                                                               | <b>SL 12140 H03J 02</b><br>ID 119705                                                                                               |  |  |  |
|       | 230V ~/50Hz<br>11,0 A 1.950 W<br><b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Etaline | 230V ~/50Hz<br>11,0 A 1.950 W<br><b>With control</b><br>Dampers<br>Filter F5<br>Heating coil warm water<br>DX coil<br>Fan: Etaline |  |  |  |



|        |                                     |                                     |  |  |                                                 |
|--------|-------------------------------------|-------------------------------------|--|--|-------------------------------------------------|
| MWLZ.  | <b>Opt. 53 -F5/+F7</b><br>ID 122106 | <b>Opt. 53 -F5/+F7</b><br>ID 122106 |  |  | <b>F7 Filter instead of F5 Filter</b>           |
| MYSLS. | <b>STK 03</b><br>ID 112936          | <b>STK 03</b><br>ID 112936          |  |  | <b>Three way ball valve</b><br>For Heating Coil |
| MYSLS. | <b>STK 04</b><br>ID 117602          |                                     |  |  | <b>Three way ball valve</b><br>For Cooling Coil |
|        |                                     |                                     |  |  |                                                 |
|        |                                     |                                     |  |  |                                                 |





- Heat Recovery Unit with Counter Crossflow Plate Heat Exchanger (also with cross flow heat exchanger)
- Integrated de-icing heater/reheater
- Integrated control unit
- Frameless housing
- Galvanized sheet steel 2 x 1 mm with 40 mm mineral wool insulation
- Left or right hand connection in air flow direction possible
- 2 panel filter F5
- Backward curved centrifugal fan 3-step

### Compact dimensions

Through optimized complete sheet metal construction the units are very compact. The frameless sheet steel design eliminates cold bridging and the interior is very smooth, which allows for easy cleaning. All internal components are removable.

### High heat exchanger efficiency

The execution with counter crossflow heat exchanger have an exchanger efficiency up to 94 %. The coils are amply dimensioned in order to keep down coil system required pressure loss.

### Ready for installation, including controls

The control system and control panel are integrated in the unit. An optional remote control unit is also available.

### Control System

The control system is space saving integrated in the unit. Remote control is optional available.



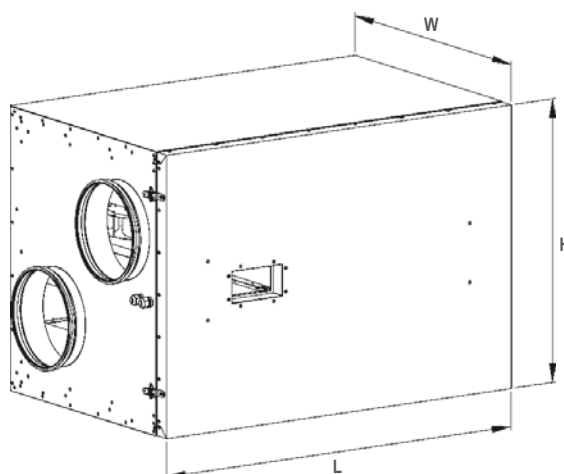
### Easy to clean

The smooth interior finish allows easy cleaning. Plate heat exchanger can be pulled out for cleaning.



### Fans can be easily removed

Fans are connected with a plug, no tools required for removal.



| Type       | ID     | U      | f    | L <sub>WA2</sub> | L <sub>WA5</sub> | L <sub>WA6</sub> | W    | H    | L    | Weight |
|------------|--------|--------|------|------------------|------------------|------------------|------|------|------|--------|
|            |        | [V]    | [Hz] | [dB (A)]         | [dB (A)]         | [dB (A)]         | [mm] | [mm] | [mm] | [kg]   |
| ETA 800 GV | 110193 | 230V ~ | 50   | 52               | 60               | 80               | 690  | 724  | 1044 | 130,0  |
| ETA 800 GU | 110194 | 230V ~ | 50   | 52               | 60               | 80               | 690  | 724  | 1044 | 130,0  |
| ETA 900 KV | 110195 | 230V ~ | 50   | 53               | 61               | 81               | 690  | 724  | 1044 | 125,0  |
| ETA 900 KU | 110196 | 230V ~ | 50   | 53               | 61               | 81               | 690  | 724  | 1044 | 125,0  |

|      | ETA 800 GV<br>ID 110193                                                                                                                 | 4100,- | ETA 800 GU<br>ID 110194                                                                                                                | 4100,- | ETA 900 KV<br>ID 110195                                                                                                         | 3700,- | ETA 900 KU<br>ID 110196                                                                                                        | 3700,- |  |
|------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------|--------|--|
| MVE: | 230V ~/50Hz 40 °C<br>850 m³/h 2.630 W<br>11,6 A                                                                                         |        | 230V ~/50Hz 40 °C<br>850 m³/h 2.630 W<br>11,6 A                                                                                        |        | 230V ~/50Hz 40 °C<br>950 m³/h 4.130 W<br>18,3 A                                                                                 |        | 230V ~/50Hz 40 °C<br>950 m³/h 4.130 W<br>18,3 A                                                                                |        |  |
|      | GS 01 ID 102787                                                                                                                         | 60,-   | GS 01 ID 102787                                                                                                                        | 60,-   | GS 01 ID 102787                                                                                                                 | 60,-   | GS 01 ID 102787                                                                                                                | 60,-   |  |
|      | V = 500 m³/h<br>$\eta_{T1} = 88 \%$<br>$Q_{\text{max. heating}} = 1500 \text{ W}$<br>Version right<br>Counter cross-flow heat exchanger |        | V = 500 m³/h<br>$\eta_{T1} = 88 \%$<br>$Q_{\text{max. heating}} = 1500 \text{ W}$<br>Version left<br>Counter cross-flow heat exchanger |        | V = 500 m³/h<br>$\eta_{T1} = 57 \%$<br>$Q_{\text{max. heating}} = 3000 \text{ W}$<br>Version right<br>Cross Flow Heat Exchanger |        | V = 500 m³/h<br>$\eta_{T1} = 57 \%$<br>$Q_{\text{max. heating}} = 3000 \text{ W}$<br>Version left<br>Cross Flow Heat Exchanger |        |  |



**Specific Accessories**  
For details see page: 150

**GS ...**  
Isolator Switch



|        |                         |       |                         |       |                         |       |                         |       |  |
|--------|-------------------------|-------|-------------------------|-------|-------------------------|-------|-------------------------|-------|--|
| MYMRV  | VM 250<br>ID 102651     | 20,-  | VM 250<br>ID 102651     | 20,-  | VM 250<br>ID 102651     | 20,-  | VM 250<br>ID 102651     | 20,-  |  |
| MYMR   | RSK 250<br>ID 102686    | 29,-  | RSK 250<br>ID 102686    | 29,-  | RSK 250<br>ID 102686    | 29,-  | RSK 250<br>ID 102686    | 29,-  |  |
| MYMRDS | SDS 250<br>ID 102721    | 123,- | SDS 250<br>ID 102721    | 123,- | SDS 250<br>ID 102721    | 123,- | SDS 250<br>ID 102721    | 123,- |  |
| MYMRDF | SDF 250<br>ID 102705    | 110,- | SDF 250<br>ID 102705    | 110,- | SDF 250<br>ID 102705    | 110,- | SDF 250<br>ID 102705    | 110,- |  |
| MYMRHO | FT 250<br>ID 112845     | 70,-  | FT 250<br>ID 112845     | 70,-  | FT 250<br>ID 112845     | 70,-  | FT 250<br>ID 112845     | 70,-  |  |
| MYMWS  | SKA ETA 01<br>ID 110347 | 200,- | SKA ETA 01<br>ID 110347 | 200,- | SKA ETA 02<br>ID 104502 | 140,- | SKA ETA 02<br>ID 104502 | 140,- |  |
| MYSB   | BDT ETA<br>ID 108770    | 440,- | BDT ETA<br>ID 108770    | 440,- | BDT ETA<br>ID 108770    | 440,- | BDT ETA<br>ID 108770    | 440,- |  |
| MYMEP  | LFP 10 F5<br>ID 108377  | 45,-  | LFP 10 F5<br>ID 108377  | 45,-  | LFP 10 F5<br>ID 108377  | 45,-  | LFP 10 F5<br>ID 108377  | 45,-  |  |
|        |                         |       |                         |       |                         |       |                         |       |  |
|        |                         |       |                         |       |                         |       |                         |       |  |
|        |                         |       |                         |       |                         |       |                         |       |  |
|        |                         |       |                         |       |                         |       |                         |       |  |
|        |                         |       |                         |       |                         |       |                         |       |  |

**Fast Clamps**  
1 set = 2 pcs.



**Back Draught Shutter**



**Duct Silencer**  
rigid, 1 m



**Duct Silencer**  
flexibel, 1 m



**Filter Box for Bag Filter**  
Without filter



**Summer replacement for**  
plate heat exchanger

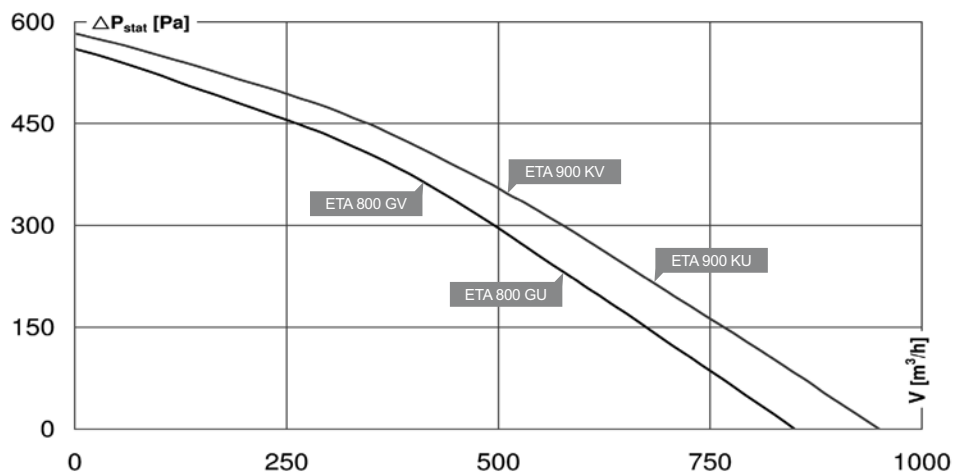


**Remote control**



**Replacement Filter**





| Type       | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | W<br>[mm] | H<br>[mm] | H1<br>[mm] | L<br>[mm] | Weight<br>[kg] |
|------------|--------|----------|-----------|--------------------------|-----------------------|-----------|-----------|------------|-----------|----------------|
| ETA 800 GV | 110193 | 230V ~   | 50        | 11,6                     | 2630                  | 690       | 724       | 776        | 1044      | 130,0          |
| ETA 800 GU | 110194 | 230V ~   | 50        | 11,6                     | 2630                  | 690       | 724       | 776        | 1044      | 130,0          |
| ETA 900 KV | 110195 | 230V ~   | 50        | 18,3                     | 4130                  | 690       | 724       | 776        | 1044      | 125,0          |
| ETA 900 KU | 110196 | 230V ~   | 50        | 18,3                     | 4130                  | 690       | 724       | 776        | 1044      | 125,0          |

## Features

- Panel Filter F5
- Pre heater 750 W (deicing)
- Main heater 1500 W (ETA 900 : 3000 W)
- Counter-cross flow heat exchanger (ETA 800)
- Cross flow heat exchanger (ETA 900)
- Plates made of corrosion-resistant aluminium.  
High efficiencies through special plate structures.
- Conduction of humidity and odors is not possible.
- Exhaust and fresh air are totally separated.

## Functions of the control

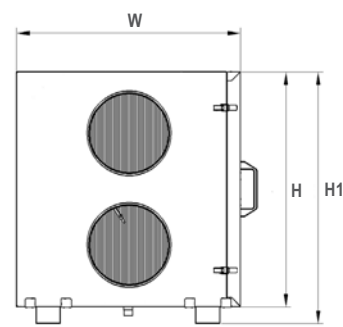
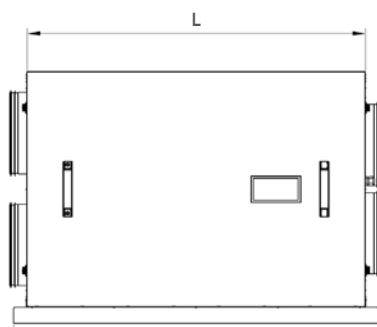
- Summer/winter change over
- AUTO/MAN
- Main control with the unit
- Main control and remote control (optional)

## Adjustable functions

- On/Off
- Supply air temperature
- Fan step 1-3
- AUTO/MAN
- Summer/winter change over
- Protection against ice
- Hysteresis
- Time program

## Error control

- Self monitoring controller
- Monitoring sensor
- Monitoring pre heater

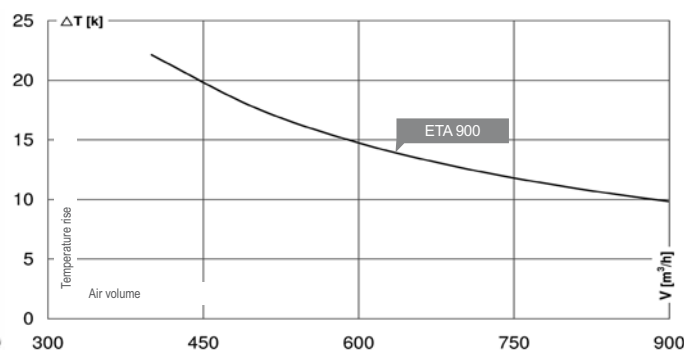
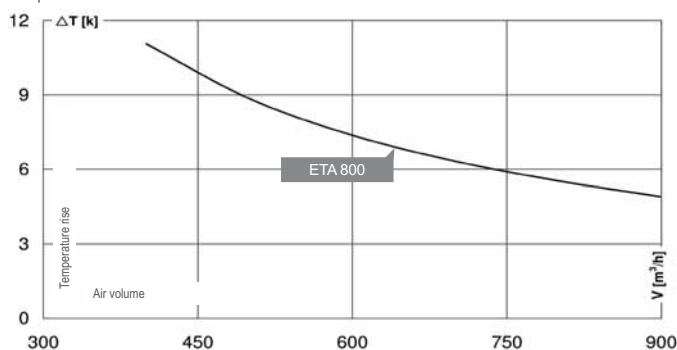


| ID 110193 - 110194      |    |     |     |     |    |    |    |    | ID 110195 - 110196      |    |     |     |     |    |    |    |    |
|-------------------------|----|-----|-----|-----|----|----|----|----|-------------------------|----|-----|-----|-----|----|----|----|----|
|                         | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| Inlet L <sub>WA5</sub>  |    |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |    |     |     |     |    |    |    |    |
| Sound power [dB (A)]    |    |     |     |     |    |    |    |    | Sound power [dB (A)]    |    |     |     |     |    |    |    |    |
| Step 1                  | 49 | 39  | 45  | 44  | 41 | 37 | 29 | 18 | Step 1                  | 49 | 39  | 45  | 44  | 41 | 37 | 29 | 18 |
| Step 2                  | 58 | 41  | 48  | 55  | 50 | 47 | 39 | 29 | Step 2                  | 58 | 41  | 48  | 55  | 50 | 47 | 39 | 29 |
| Step 3                  | 60 | 42  | 50  | 56  | 54 | 50 | 42 | 33 | Step 3                  | 60 | 42  | 50  | 56  | 54 | 50 | 42 | 33 |
| Outlet L <sub>WA6</sub> |    |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |    |     |     |     |    |    |    |    |
| Sound power [dB (A)]    |    |     |     |     |    |    |    |    | Sound power [dB (A)]    |    |     |     |     |    |    |    |    |
| Step 1                  | 64 | 42  | 55  | 59  | 58 | 57 | 53 | 42 | Step 1                  | 64 | 42  | 55  | 59  | 58 | 57 | 53 | 42 |
| Step 2                  | 76 | 49  | 59  | 73  | 70 | 68 | 63 | 56 | Step 2                  | 76 | 49  | 59  | 73  | 70 | 68 | 63 | 56 |
| Step 3                  | 81 | 51  | 61  | 79  | 74 | 71 | 67 | 60 | Step 3                  | 81 | 51  | 61  | 79  | 74 | 71 | 67 | 60 |
| Casing L <sub>WA2</sub> |    |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |    |     |     |     |    |    |    |    |
| Sound power [dB (A)]    |    |     |     |     |    |    |    |    | Sound power [dB (A)]    |    |     |     |     |    |    |    |    |
| Step 1                  | 42 | 34  | 39  | 34  | 30 | 26 | 21 | 14 | Step 1                  | 42 | 34  | 39  | 34  | 30 | 26 | 21 | 14 |
| Step 2                  | 51 | 38  | 43  | 49  | 39 | 36 | 31 | 24 | Step 2                  | 51 | 38  | 43  | 49  | 39 | 36 | 31 | 24 |
| Step 3                  | 52 | 38  | 45  | 50  | 43 | 39 | 35 | 28 | Step 3                  | 52 | 38  | 45  | 50  | 43 | 39 | 35 | 28 |

## Plate heat exchanger

| Supply | Type PWT | ETA 800 Counter cross flow |             |     |          |             |     |          |             |     | ETA 900 Crossflow      |             |     |          |             |     |          |             |     |
|--------|----------|----------------------------|-------------|-----|----------|-------------|-----|----------|-------------|-----|------------------------|-------------|-----|----------|-------------|-----|----------|-------------|-----|
|        |          | Air volume $\dot{V}_L$     |             |     |          |             |     |          |             |     | Air volume $\dot{V}_L$ |             |     |          |             |     |          |             |     |
|        |          | 300 m³/h                   |             |     | 500 m³/h |             |     | 700 m³/h |             |     | 400 m³/h               |             |     | 600 m³/h |             |     | 800 m³/h |             |     |
|        |          | $t_{La}$                   | $\eta_{Tt}$ | Q   | $t_{La}$ | $\eta_{Tt}$ | Q   | $t_{La}$ | $\eta_{Tt}$ | Q   | $t_{La}$               | $\eta_{Tt}$ | Q   | $t_{La}$ | $\eta_{Tt}$ | Q   | $t_{La}$ | $\eta_{Tt}$ | Q   |
|        |          | °C                         | %           | kW  | °C       | %           | kW  | °C       | %           | kW  | °C                     | %           | kW  | °C       | %           | kW  | °C       | %           | kW  |
| -20    | 2,0      | 20,0                       | 88          | 4,0 | 19,3     | 86          | 6,0 | 18,8     | 84          | 9,1 | 10,3                   | 58          | 3,3 | 7,9      | 53          | 4,5 | 6,5      | 50          | 5,6 |
| -15    | 2,0      | 19,9                       | 88          | 3,3 | 19,3     | 85          | 5,3 | 18,8     | 84          | 8,0 | 10,2                   | 58          | 2,9 | 8,2      | 53          | 3,9 | 7,0      | 50          | 4,9 |
| -10    | 2,0      | 19,4                       | 88          | 2,9 | 18,7     | 85          | 4,6 | 18,3     | 84          | 6,3 | 10,5                   | 58          | 2,5 | 8,8      | 53          | 3,4 | 7,8      | 50          | 4,3 |
| -5     | 2,0      | 19,1                       | 88          | 2,4 | 18,4     | 85          | 3,9 | 18,0     | 84          | 5,3 | 11,3                   | 58          | 2,1 | 9,8      | 53          | 2,9 | 9,0      | 50          | 3,6 |
| 0      | 2,0      | 19,3                       | 88          | 2,0 | 18,7     | 85          | 3,2 | 18,3     | 83          | 4,3 | 12,8                   | 58          | 1,7 | 11,6     | 53          | 2,4 | 11,0     | 50          | 3,0 |

## Temperature rise electric heater







- Heat recovery unit with cross flow exchanger
- Bypass for de-icing plate heat exchanger
- Frameless casing of 1 mm sheet metal, steel zink
- 2 panel filter F5
- Forward curved radial fans
- Voltage controllable 230 V motors

### Compact dimensions

Through optimized complete sheet metal construction the units are very compact. The frameless sheet steel design eliminates cold bridging and the interior is very smooth, which allows for easy cleaning. All internal components are removable.

### Minimal internal pressure loss

Large flow through surfaces of all built in components causes small internal pressure loss despite compact exterior dimensions.

### Motors

Fans are available with voltage controllable 230 V motors.

**NEW with controls see page 119**



### Large effective area

Filter, dampers and heating coils are of frameless. Minimal internal pressure loss, thus energy savings are the result.



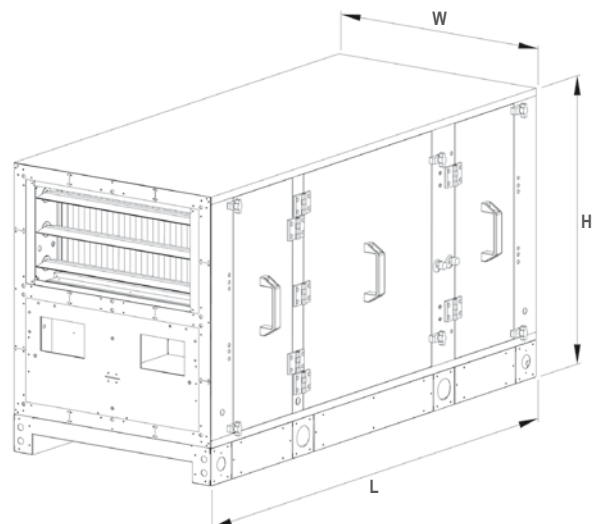
### Easy to clean

The smooth interior finish allows easy cleaning.



### High quality housing

The housing is insulated with 40 mm mineral wool. (Mini air handling unit for ceiling void installation, 30 mm)

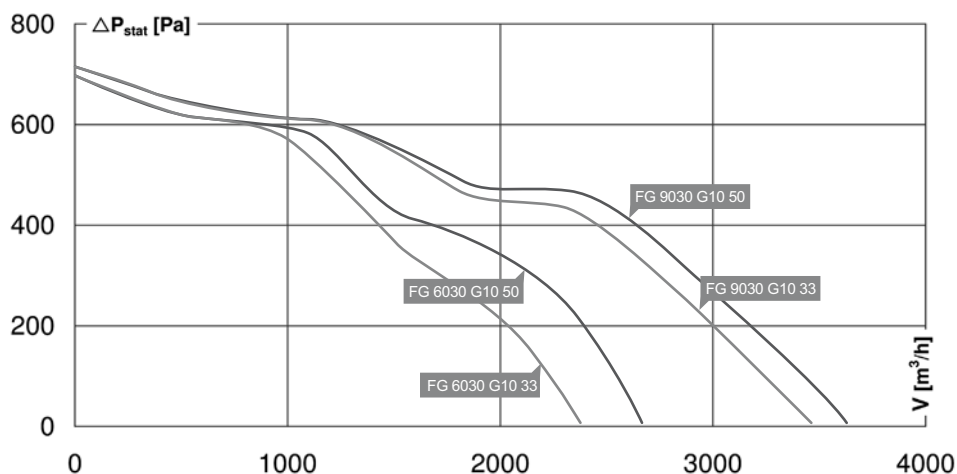


| Type           | ID     |  | With control | Air volume at 200Pa external pressure | Damper | Filter F5 | Plate heat exchanger | Heating coil warm water | Cooling coil cold water | DX coil  | Motor voltage controllable | Motor for frequency inverter 230 V 3~ |
|----------------|--------|--|--------------|---------------------------------------|--------|-----------|----------------------|-------------------------|-------------------------|----------|----------------------------|---------------------------------------|
| FG 6030 G10 33 | 113746 |  | Optional     | 1900                                  | x      | x         | x                    | x                       |                         |          | x                          | Optional                              |
| FG 6030 G10 50 | 113747 |  |              | 2100                                  | x      | x         | x                    | x                       |                         |          | x                          |                                       |
| FG 9030 G10 33 | 113758 |  |              | 2600                                  | x      | x         | x                    | x                       |                         |          | x                          |                                       |
| FG 9030 G10 50 | 113759 |  |              | 2800                                  | x      | x         | x                    | x                       |                         |          | x                          |                                       |
|                |        |  |              |                                       |        |           |                      |                         |                         |          |                            |                                       |
| FG 6030 G11 33 | 113749 |  |              | 1800                                  | x      | x         | x                    | x                       | x                       | Optional | x                          |                                       |
| FG 6030 G11 50 | 113750 |  |              | 2000                                  | x      | x         | x                    | x                       | x                       |          | x                          |                                       |
| FG 9030 G11 33 | 113760 |  |              | 2500                                  | x      | x         | x                    | x                       | x                       |          | x                          |                                       |
| FG 9030 G11 50 | 113761 |  |              | 2700                                  | x      | x         | x                    | x                       | x                       |          | x                          |                                       |
|                |        |  |              |                                       |        |           |                      |                         |                         |          |                            |                                       |
| FG 6030 G20 21 | 113752 |  |              | 2000                                  | x      | x         | x                    | x                       |                         |          | x                          |                                       |
| FG 6030 G20 24 | 113753 |  |              | 2100                                  | x      | x         | x                    | x                       |                         |          | x                          |                                       |
| FG 9030 G20 21 | 115834 |  |              | 2360                                  | x      | x         | x                    | x                       |                         |          |                            |                                       |
| FG 9030 G20 24 | 118327 |  |              | 2560                                  | x      | x         | x                    | x                       |                         |          |                            |                                       |
|                |        |  |              |                                       |        |           |                      |                         |                         |          |                            |                                       |
| FG 6030 G21 21 | 120200 |  |              | 1700                                  | x      | x         | x                    | x                       | x                       | Optional | x                          |                                       |
| FG 6030 G21 24 | 120201 |  |              | 1800                                  | x      | x         | x                    | x                       | x                       |          | x                          |                                       |
| FG 9030 G21 21 | 120202 |  |              | 2200                                  | x      | x         | x                    | x                       | x                       |          | x                          |                                       |
| FG 9030 G21 24 | 120203 |  |              | 2360                                  | x      | x         | x                    | x                       | x                       |          | x                          |                                       |

(All units with connections in supply air direction right, connections left optional)

**Legend**

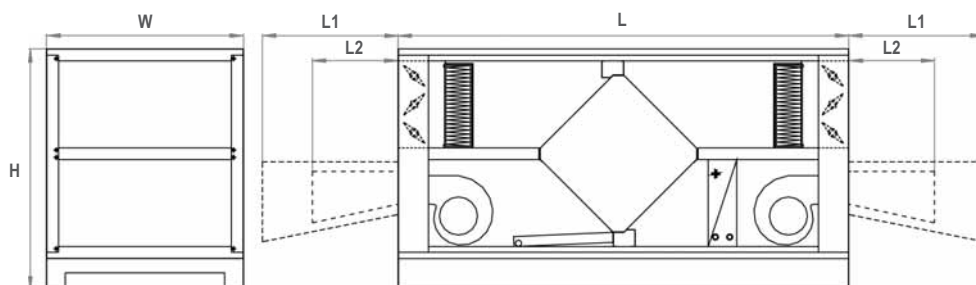
PKW = Low Pressure Cold Water (LPCW)  
PWW = Low Pressure Hot Water (LPHW)  
DV = DX-Coil  
ID = Part ID



| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | W<br>[mm] | H<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|-----------|-----------|-----------|------------|------------|----------------|
| FG 6030 G10 33 | 113746 | 230V ~   | 50        | 9,8                      | 2100                  | 690       | 845       | 1578      | 475        | 300        | 210,0          |
| FG 6030 G10 50 | 113747 | 230V ~   | 50        | 11,0                     | 2400                  | 690       | 845       | 1578      | 475        | 300        | 210,0          |
| FG 9030 G10 33 | 113758 | 230V ~   | 50        | 14,1                     | 3050                  | 990       | 845       | 1578      | 475        | 300        | 265,0          |
| FG 9030 G10 50 | 113759 | 230V ~   | 50        | 15,3                     | 3300                  | 990       | 845       | 1578      | 475        | 300        | 265,0          |

(All units with connections in supply air direction right, connections left optional)

- Heat recovery unit with plate heat exchanger
- Integrated heater battery LPHW 2RR
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Bypass damper
- Panel Filter F5
- Forward curved centrifugal fans
- Voltage controllable
- In/Outlet do not require flexible connection piece



| ID 113746 - 113747      |     |     |     |     |                      |    |                      |    | ID 113758 - 113759      |                         |     |     |     |                      |                |    |                      |    |    |
|-------------------------|-----|-----|-----|-----|----------------------|----|----------------------|----|-------------------------|-------------------------|-----|-----|-----|----------------------|----------------|----|----------------------|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k                   | 2k | 4k                   | 8k |                         | Σ                       | 125 | 250 | 500 | 1k                   | 2k             | 4k | 8k                   |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     | Sound power [dB (A)] |    |                      |    | Inlet L <sub>WA5</sub>  |                         |     |     |     | Sound power [dB (A)] |                |    |                      |    |    |
| P <sub>st</sub> [Pa]    | 200 | 74  | 57  | 65  | 67                   | 68 | 67                   | 65 | 60                      | P <sub>st</sub> [Pa]    | 200 | 76  | 60  | 67                   | 71             | 68 | 69                   | 67 | 61 |
|                         | 400 | 76  | 56  | 65  | 71                   | 71 | 69                   | 63 | 58                      |                         | 400 | 72  | 56  | 63                   | 67             | 64 | 66                   | 64 | 58 |
| Outlet L <sub>WA6</sub> |     |     |     |     | Short diffuser       |    | Sound power [dB (A)] |    |                         | Outlet L <sub>WA6</sub> |     |     |     |                      | Short diffuser |    | Sound power [dB (A)] |    |    |
| P <sub>st</sub> [Pa]    | 200 | 87  | 62  | 70  | 79                   | 81 | 81                   | 78 | 75                      | P <sub>st</sub> [Pa]    | 200 | 89  | 63  | 72                   | 80             | 83 | 84                   | 81 | 77 |
|                         | 400 | 84  | 59  | 69  | 78                   | 78 | 78                   | 75 | 72                      |                         | 400 | 84  | 59  | 68                   | 76             | 78 | 80                   | 77 | 73 |
| Outlet L <sub>WA6</sub> |     |     |     |     | Sound diffuser       |    | Sound power [dB (A)] |    |                         | Outlet L <sub>WA6</sub> |     |     |     |                      | Sound diffuser |    | Sound power [dB (A)] |    |    |
| P <sub>st</sub> [Pa]    | 200 | 73  | 62  | 68  | 68                   | 61 | 57                   | 61 | 64                      | P <sub>st</sub> [Pa]    | 200 | 75  | 65  | 70                   | 69             | 63 | 60                   | 63 | 69 |
|                         | 400 | 73  | 64  | 68  | 68                   | 61 | 57                   | 61 | 64                      |                         | 400 | 73  | 62  | 67                   | 66             | 61 | 58                   | 61 | 62 |
| Casing L <sub>WA2</sub> |     |     |     |     | Sound power [dB (A)] |    |                      |    | Casing L <sub>WA2</sub> |                         |     |     |     | Sound power [dB (A)] |                |    |                      |    |    |
| P <sub>st</sub> [Pa]    | 200 | 57  | 52  | 54  | 45                   | 44 | 42                   | 40 | 36                      | P <sub>st</sub> [Pa]    | 200 | 57  | 52  | 54                   | 45             | 44 | 42                   | 40 | 36 |
|                         | 400 | 57  | 51  | 53  | 47                   | 45 | 43                   | 41 | 37                      |                         | 400 | 57  | 51  | 53                   | 47             | 45 | 43                   | 41 | 37 |

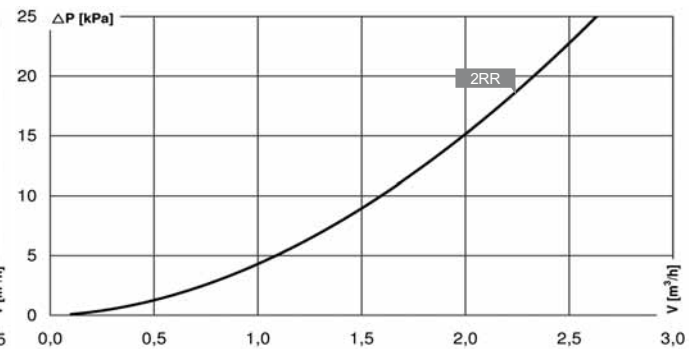
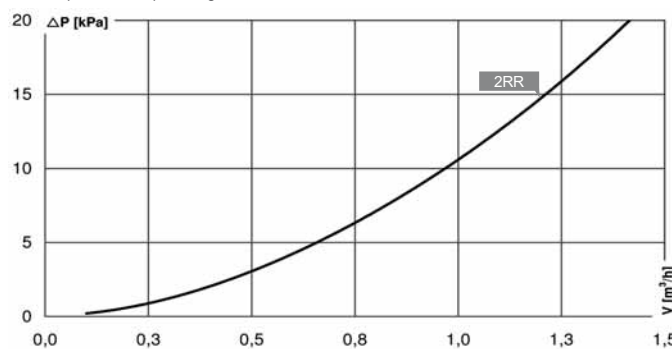
## Plate heat exchanger

|     | $t_{L,e}$ Supply | Type PWT | Size 60/30             |             |     |           |             |      |           |             |      | Size 90/30             |             |      |           |             |      |           |             |      |
|-----|------------------|----------|------------------------|-------------|-----|-----------|-------------|------|-----------|-------------|------|------------------------|-------------|------|-----------|-------------|------|-----------|-------------|------|
|     |                  |          | Air volume $\dot{V}_L$ |             |     |           |             |      |           |             |      | Air volume $\dot{V}_L$ |             |      |           |             |      |           |             |      |
|     |                  |          | 1000 m³/h              |             |     | 1500 m³/h |             |      | 2000 m³/h |             |      | 2000 m³/h              |             |      | 2500 m³/h |             |      | 3000 m³/h |             |      |
|     |                  |          | $t_{L,a}$              | $\eta_{Tt}$ | Q   | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$              | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    |
|     |                  |          | °C                     | %           | kW  | °C        | %           | kW   | °C        | %           | kW   | °C                     | %           | kW   | °C        | %           | kW   | °C        | %           | kW   |
| -20 | 3,3              |          | 4,2                    | 58          | 8,0 | 2,3       | 53          | 11,0 | 2,2       | 53          | 15,0 | 3,4                    | 56          | 16,0 | 2,2       | 53          | 18,0 | 2,1       | 53          | 22,0 |
|     | 5,0              |          | -1,7                   | 44          | 6,1 | -2,2      | 42          | 8,9  | -2,2      | 42          | 12,0 | -2,4                   | 42          | 12,0 | -2,2      | 42          | 15,0 | -2,2      | 42          | 18,0 |
| -15 | 3,3              |          | 5,5                    | 56          | 6,8 | 4,3       | 52          | 9,6  | 4,1       | 52          | 13,0 | 5,5                    | 55          | 14,0 | 4,2       | 52          | 16,0 | 4,1       | 52          | 19,0 |
|     | 5,0              |          | 1,0                    | 43          | 5,3 | 0,3       | 41          | 7,6  | 0,3       | 41          | 10,0 | 0,0                    | 41          | 10,0 | 0,3       | 41          | 13,0 | 0,3       | 41          | 15,0 |
| -10 | 3,3              |          | 7,5                    | 55          | 5,8 | 6,3       | 51          | 8,1  | 6,1       | 50          | 11,0 | 7,5                    | 55          | 12,0 | 6,1       | 50          | 13,0 | 6,0       | 50          | 16,0 |
|     | 5,0              |          | 3,7                    | 43          | 4,5 | 2,7       | 40          | 6,3  | 2,8       | 40          | 8,5  | 2,5                    | 39          | 8,3  | 2,8       | 40          | 11,0 | 2,8       | 40          | 13,0 |
| -5  | 3,3              |          | 9,4                    | 53          | 4,8 | 8,5       | 50          | 6,7  | 8,0       | 48          | 8,6  | 9,5                    | 54          | 9,6  | 8,3       | 49          | 11,0 | 7,9       | 48          | 13,0 |
|     | 5,0              |          | 6,3                    | 42          | 3,8 | 5,8       | 40          | 5,4  | 5,9       | 40          | 7,2  | 5,7                    | 40          | 7,1  | 5,8       | 40          | 9,0  | 5,9       | 40          | 11,0 |

## Heating coil LPHW

|          | $t_{w,e}$ Water | $t_{L,e}$ Air in | Size 60/30 |    |           |    |           |    | Size 90/30 |    |           |    |           |    |
|----------|-----------------|------------------|------------|----|-----------|----|-----------|----|------------|----|-----------|----|-----------|----|
|          |                 |                  | 1000 m³/h  |    | 1500 m³/h |    | 2000 m³/h |    | 2000 m³/h  |    | 2500 m³/h |    | 3000 m³/h |    |
|          |                 |                  | 2RR        |    | 2RR       |    | 2RR       |    | 2RR        |    | 2RR       |    | 2RR       |    |
|          |                 |                  | $t_{L,a}$  | Q  | $t_{L,a}$ | Q  | $t_{L,a}$ | Q  | $t_{L,a}$  | Q  | $t_{L,a}$ | Q  | $t_{L,a}$ | Q  |
|          |                 |                  | °C         | kW | °C        | kW | °C        | kW | °C         | kW | °C        | kW | °C        | kW |
| 60 - 40  | -15             |                  | 29         | 16 | 13        | 16 | 10        | 19 | 15         | 23 | 12        | 26 | 10        | 29 |
|          | -10             |                  | 33         | 15 | 15        | 14 | 13        | 17 | 17         | 21 | 15        | 24 | 13        | 27 |
|          | -5              |                  | 35         | 14 | 18        | 13 | 16        | 15 | 20         | 19 | 17        | 21 | 16        | 24 |
|          | 0               |                  | 37         | 13 | 21        | 11 | 18        | 14 | 22         | 16 | 20        | 19 | 19        | 21 |
| 70 - 50  | -20             |                  | 23         | 15 | 15        | 21 | 11        | 25 | 18         | 30 | 14        | 34 | 12        | 38 |
|          | -15             |                  | 25         | 14 | 18        | 19 | 14        | 23 | 20         | 27 | 17        | 31 | 15        | 35 |
|          | -10             |                  | 27         | 13 | 21        | 18 | 17        | 21 | 23         | 25 | 20        | 29 | 18        | 32 |
|          | -5              |                  | 29         | 12 | 24        | 16 | 20        | 19 | 26         | 23 | 23        | 26 | 21        | 29 |
| 80 - 60  | -25             |                  | 24         | 20 | 17        | 26 | 13        | 30 | 20         | 36 | 17        | 42 | 14        | 47 |
|          | -20             |                  | 27         | 18 | 20        | 24 | 16        | 28 | 23         | 34 | 20        | 39 | 17        | 44 |
|          | -15             |                  | 29         | 17 | 23        | 22 | 18        | 26 | 26         | 32 | 23        | 36 | 20        | 41 |
|          | -10             |                  | 32         | 16 | 26        | 21 | 22        | 25 | 29         | 29 | 25        | 34 | 23        | 37 |
| 82 - 71  | -10             |                  | 38         | 18 | 31        | 23 | 27        | 28 | 34         | 33 | 30        | 38 | 28        | 43 |
|          | -5              |                  | 40         | 17 | 34        | 22 | 30        | 26 | 37         | 31 | 33        | 36 | 31        | 40 |
|          | 0               |                  | 43         | 16 | 37        | 20 | 33        | 24 | 39         | 28 | 36        | 33 | 34        | 37 |
| 110 - 70 | -25             |                  | 33         | 23 | 24        | 30 | 19        | 35 | 28         | 43 | 24        | 49 | 20        | 54 |
|          | -20             |                  | 35         | 21 | 27        | 28 | 22        | 33 | 31         | 40 | 27        | 46 | 23        | 51 |
|          | -15             |                  | 38         | 20 | 30        | 26 | 25        | 31 | 34         | 38 | 30        | 43 | 27        | 48 |
|          | -10             |                  | 40         | 19 | 33        | 25 | 29        | 29 | 36         | 35 | 33        | 40 | 30        | 45 |

## Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L \cdot (t_{L,a} - t_{L,e}) \cdot 1,22 / 3600$  [kW]  
 Water volume  $\dot{V}_W = Q \cdot 0,86 / (t_{W,e} - t_{W,a})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}$ ;  $t_{L,e} / t_{L,a} = -15/25 \text{ }^\circ\text{C}$ ;  $t_{W,e} / t_{W,a} = 70/50 \text{ }^\circ\text{C}$

$Q = 3.000 \cdot 40 \cdot 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 \cdot 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$


 Specific Accessories  
 For details see page: 150

| PWT 3,3                                                                        | PWT 5,0                                                                        | PWT 3,3                                                                        | PWT 5,0                                                                        |  |      |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--|------|
| <b>FG 6030 G10 33</b><br>ID 113746                                             | <b>FG 6030 G10 50</b><br>ID 113747                                             | <b>FG 9030 G10 33</b><br>ID 113758                                             | <b>FG 9030 G10 50</b><br>ID 113759                                             |  | MWLW |
| 230V ~/50Hz 55 °C<br>2380 m³/h 2.100 W<br>9,8 A                                | 230V ~/50Hz 50 °C<br>2670 m³/h 2.400 W<br>11,0 A                               | 230V ~/50Hz 40 °C<br>3150 m³/h 1.500 W<br>9,5 A                                | 230V ~/50Hz 40 °C<br>3320 m³/h 1.500 W<br>9,5 A                                |  |      |
| <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 100</b> ID 103511<br><b>TES 100</b> ID 103958<br><b>GS 01</b> ID 102787 | <b>TEM 100</b> ID 103511<br><b>TES 100</b> ID 103958<br><b>GS 01</b> ID 102787 |  |      |
|                                                                                |                                                                                |                                                                                |                                                                                |  |      |



Sound diffuser

|                              |                              |                              |                              |  |       |
|------------------------------|------------------------------|------------------------------|------------------------------|--|-------|
| <b>SDK 0130</b><br>ID 115830 | <b>SDK 0130</b><br>ID 115830 | <b>SDK 0130</b><br>ID 115830 | <b>SDK 0130</b><br>ID 115830 |  | MYMZD |
|------------------------------|------------------------------|------------------------------|------------------------------|--|-------|


 Pressure sensor  
 50-500 Pa

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>MAN 01</b><br>ID 104226 | <b>MAN 01</b><br>ID 104226 | <b>MAN 01</b><br>ID 104226 | <b>MAN 01</b><br>ID 104226 |  | MYSLM |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|



Frost protection thermostat

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>THE 01</b><br>ID 103666 | <b>THE 01</b><br>ID 103666 | <b>THE 01</b><br>ID 103666 | <b>THE 01</b><br>ID 103666 |  | MYSLT |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|


 Damper actuator  
 24 V, 3-Point Control

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STA 01</b><br>ID 103590 | <b>STA 01</b><br>ID 103590 | <b>STA 01</b><br>ID 103590 | <b>STA 01</b><br>ID 103590 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|


 Damper actuator  
 230 V, 3-Point Control

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STA 11</b><br>ID 103933 | <b>STA 11</b><br>ID 103933 | <b>STA 11</b><br>ID 103933 | <b>STA 11</b><br>ID 103933 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|


 Damper actuator  
 24 V, continuous control 0-10 V

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STA 02</b><br>ID 107204 | <b>STA 02</b><br>ID 107204 | <b>STA 02</b><br>ID 107204 | <b>STA 02</b><br>ID 107204 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|


 Damper actuator  
 230 V, continuous control 0-10 V

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STA 12</b><br>ID 107631 | <b>STA 12</b><br>ID 107631 | <b>STA 12</b><br>ID 107631 | <b>STA 12</b><br>ID 107631 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|



Replacement Filter

|                               |                               |                               |                               |  |       |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|-------|
| <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 20 F5</b><br>ID 108380 | <b>LFP 20 F5</b><br>ID 108380 |  | MYMEP |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|-------|



Replacement Filter

|                               |                               |                               |                               |  |       |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|-------|
| <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 20 F7</b><br>ID 108379 | <b>LFP 20 F7</b><br>ID 108379 |  | MYMEP |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|-------|



|                            |                            |                            |                            |  |      |
|----------------------------|----------------------------|----------------------------|----------------------------|--|------|
| <b>REG 01</b><br>ID 121296 | <b>REG 01</b><br>ID 121296 | <b>REG 01</b><br>ID 121296 | <b>REG 01</b><br>ID 121296 |  | MWLW |
| <b>Control System</b>      | <b>Control System</b>      | <b>Control System</b>      | <b>Control System</b>      |  |      |



Three way ball valve

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|



Three way ball valve

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|



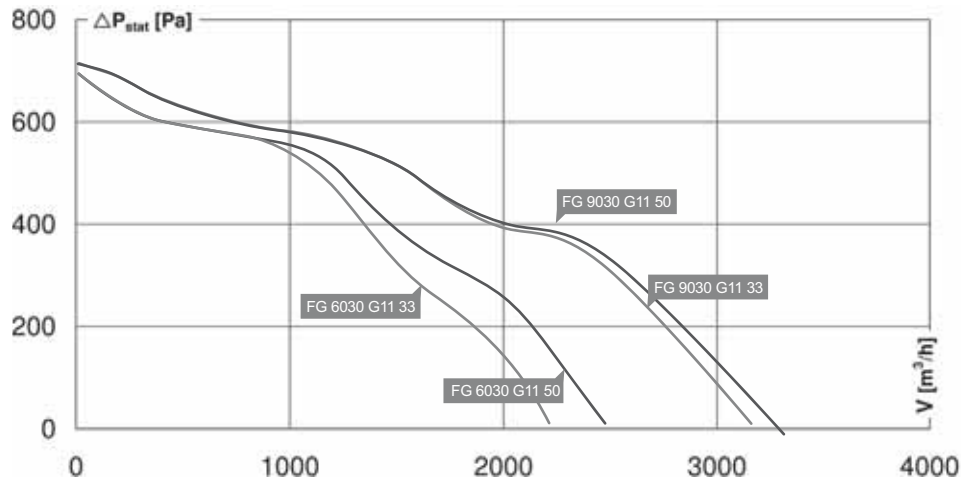
Three way ball valve

|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|



Three way ball valve

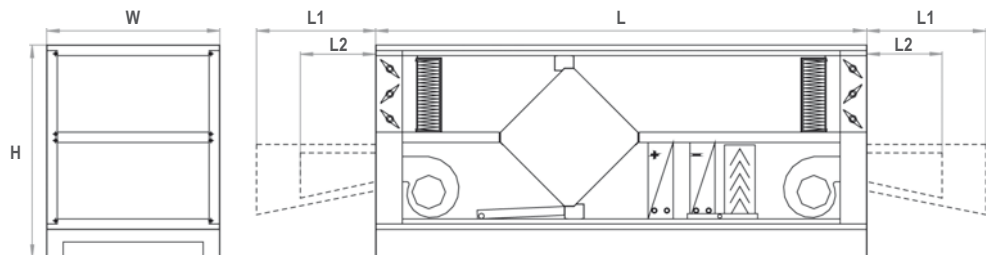
|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 |  | MYSLS |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|



| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | W<br>[mm] | H<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|-----------|-----------|-----------|------------|------------|----------------|
| FG 6030 G11 33 | 113749 | 230V ~   | 50        | 9,7                      | 2100                  | 690       | 845       | 1958      | 475        | 300        | 245,0          |
| FG 6030 G11 50 | 113750 | 230V ~   | 50        | 9,7                      | 2100                  | 690       | 845       | 1958      | 475        | 300        | 245,0          |
| FG 9030 G11 33 | 113760 | 230V ~   | 50        | 13,1                     | 2850                  | 990       | 845       | 1958      | 475        | 300        | 315,0          |
| FG 9030 G11 50 | 113761 | 230V ~   | 50        | 14,1                     | 3050                  | 990       | 845       | 1958      | 475        | 300        | 315,0          |

(All units with connections in supply air direction right, connections left optional)

- Heat recovery unit with plate heat exchanger
- Integrated heater battery LPHW 2RR
- Integrated cooling battery LPCW 3RR
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Bypass damper
- Panel Filter F5
- Forward curved centrifugal fans
- Voltage controllable
- In/Outlet do not require flexible connection piece



| ID 113749 - 113750      |     |     |     |     |                      |    |                      |    | ID 113760 - 113761      |                         |     |     |     |                      |                |    |                      |    |    |
|-------------------------|-----|-----|-----|-----|----------------------|----|----------------------|----|-------------------------|-------------------------|-----|-----|-----|----------------------|----------------|----|----------------------|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k                   | 2k | 4k                   | 8k |                         | Σ                       | 125 | 250 | 500 | 1k                   | 2k             | 4k | 8k                   |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     | Sound power [dB (A)] |    |                      |    | Inlet L <sub>WA5</sub>  |                         |     |     |     | Sound power [dB (A)] |                |    |                      |    |    |
| P <sub>st</sub> [Pa]    | 200 | 71  | 54  | 62  | 64                   | 65 | 64                   | 62 | 57                      | P <sub>st</sub> [Pa]    | 200 | 73  | 57  | 64                   | 68             | 65 | 66                   | 64 | 58 |
|                         | 400 | 73  | 53  | 62  | 68                   | 68 | 66                   | 60 | 55                      |                         | 400 | 69  | 53  | 60                   | 64             | 61 | 63                   | 61 | 55 |
| Outlet L <sub>WA6</sub> |     |     |     |     | Short diffuser       |    | Sound power [dB (A)] |    |                         | Outlet L <sub>WA6</sub> |     |     |     |                      | Short diffuser |    | Sound power [dB (A)] |    |    |
| P <sub>st</sub> [Pa]    | 200 | 78  | 62  | 70  | 79                   | 81 | 81                   | 78 | 74                      | P <sub>st</sub> [Pa]    | 200 | 89  | 63  | 72                   | 80             | 83 | 84                   | 81 | 77 |
|                         | 400 | 84  | 59  | 69  | 78                   | 78 | 78                   | 75 | 72                      |                         | 400 | 84  | 59  | 68                   | 76             | 78 | 80                   | 77 | 73 |
| Outlet L <sub>WA6</sub> |     |     |     |     | Sound diffuser       |    | Sound power [dB (A)] |    |                         | Outlet L <sub>WA6</sub> |     |     |     |                      | Sound diffuser |    | Sound power [dB (A)] |    |    |
| P <sub>st</sub> [Pa]    | 200 | 73  | 64  | 68  | 68                   | 61 | 57                   | 61 | 64                      | P <sub>st</sub> [Pa]    | 200 | 75  | 65  | 70                   | 69             | 63 | 60                   | 63 | 69 |
|                         | 400 | 73  | 62  | 68  | 68                   | 61 | 56                   | 59 | 61                      |                         | 400 | 73  | 62  | 67                   | 66             | 61 | 58                   | 61 | 62 |
| Casing L <sub>WA2</sub> |     |     |     |     | Sound power [dB (A)] |    |                      |    | Casing L <sub>WA2</sub> |                         |     |     |     | Sound power [dB (A)] |                |    |                      |    |    |
| P <sub>st</sub> [Pa]    | 200 | 57  | 52  | 54  | 45                   | 44 | 42                   | 40 | 36                      | P <sub>st</sub> [Pa]    | 200 | 57  | 52  | 54                   | 45             | 44 | 42                   | 40 | 36 |
|                         | 400 | 57  | 51  | 53  | 47                   | 45 | 43                   | 41 | 37                      |                         | 400 | 57  | 51  | 53                   | 47             | 45 | 43                   | 41 | 37 |

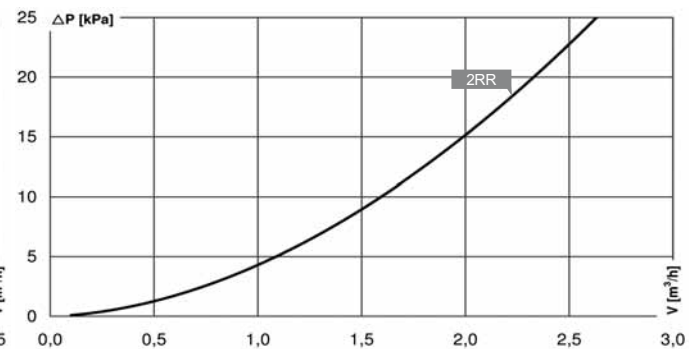
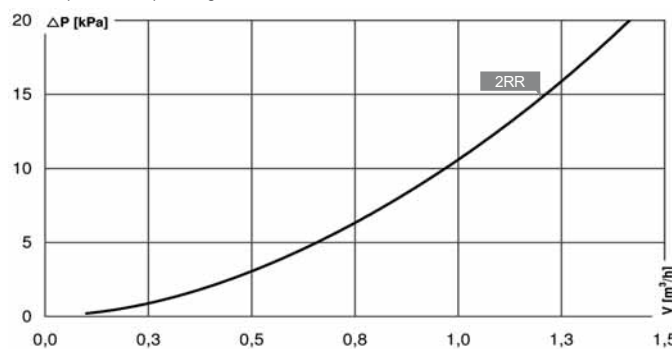
Plate heat exchanger

|     | $t_{L,e}$ Supply<br>Type PWT | Size 60/30<br>Air volume $\dot{V}_L$ |             |     |           |             |      |           |             |      | Size 90/30<br>Air volume $\dot{V}_L$ |             |      |           |             |      |           |             |      |
|-----|------------------------------|--------------------------------------|-------------|-----|-----------|-------------|------|-----------|-------------|------|--------------------------------------|-------------|------|-----------|-------------|------|-----------|-------------|------|
|     |                              | 1000 m³/h                            |             |     | 1500 m³/h |             |      | 2000 m³/h |             |      | 2000 m³/h                            |             |      | 2500 m³/h |             |      | 3000 m³/h |             |      |
|     |                              | $t_{L,a}$                            | $\eta_{Tt}$ | Q   | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$                            | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    |
|     |                              | °C                                   | %           | kW  | °C        | %           | kW   | °C        | %           | kW   | °C                                   | %           | kW   | °C        | %           | kW   | °C        | %           | kW   |
| -20 | 3,3                          | 4,2                                  | 58          | 8,0 | 2,3       | 53          | 11,0 | 2,2       | 53          | 15,0 | 3,4                                  | 56          | 16,0 | 2,2       | 53          | 18,0 | 2,1       | 53          | 22,0 |
|     | 5,0                          | -1,7                                 | 44          | 6,1 | -2,2      | 42          | 8,9  | -2,2      | 42          | 12,0 | -2,4                                 | 42          | 12,0 | -2,2      | 42          | 15,0 | -2,2      | 42          | 18,0 |
| -15 | 3,3                          | 5,5                                  | 56          | 6,8 | 4,3       | 52          | 9,6  | 4,1       | 52          | 13,0 | 5,5                                  | 55          | 14,0 | 4,2       | 52          | 16,0 | 4,1       | 52          | 19,0 |
|     | 5,0                          | 1,0                                  | 43          | 5,3 | 0,3       | 41          | 7,6  | 0,3       | 41          | 10,0 | 0,0                                  | 41          | 10,0 | 0,3       | 41          | 13,0 | 0,3       | 41          | 15,0 |
| -10 | 3,3                          | 7,5                                  | 55          | 5,8 | 6,3       | 51          | 8,1  | 6,1       | 50          | 11,0 | 7,5                                  | 55          | 12,0 | 6,1       | 50          | 13,0 | 6,0       | 50          | 16,0 |
|     | 5,0                          | 3,7                                  | 43          | 4,5 | 2,7       | 40          | 6,3  | 2,8       | 40          | 8,5  | 2,5                                  | 39          | 8,3  | 2,8       | 40          | 11,0 | 2,8       | 40          | 13,0 |
| -5  | 3,3                          | 9,4                                  | 53          | 4,8 | 8,5       | 50          | 6,7  | 8,0       | 48          | 8,6  | 9,5                                  | 54          | 9,6  | 8,3       | 49          | 11,0 | 7,9       | 48          | 13,0 |
|     | 5,0                          | 6,3                                  | 42          | 3,8 | 5,8       | 40          | 5,4  | 5,9       | 40          | 7,2  | 5,7                                  | 40          | 7,1  | 5,8       | 40          | 9,0  | 5,9       | 40          | 11,0 |

Heating coil LPHW

|          | $t_w$ Water<br>$t_{L,e}$ Air in | Size 60/30      |         |                 |         |                 |         | Size 90/30      |         |                 |         |                 |         |
|----------|---------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
|          |                                 | 1000 m³/h       |         | 1500 m³/h       |         | 2000 m³/h       |         | 2000 m³/h       |         | 2500 m³/h       |         | 3000 m³/h       |         |
|          |                                 | 2RR             |         | 2RR             |         | 2RR             |         | 2RR             |         | 2RR             |         | 2RR             |         |
|          |                                 | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW |
| 60 - 40  | -15                             | 29              | 16      | 13              | 16      | 10              | 19      | 15              | 23      | 12              | 26      | 10              | 29      |
|          | -10                             | 33              | 15      | 15              | 14      | 13              | 17      | 17              | 21      | 15              | 24      | 13              | 27      |
|          | -5                              | 35              | 14      | 18              | 13      | 16              | 15      | 20              | 19      | 17              | 21      | 16              | 24      |
|          | 0                               | 37              | 13      | 21              | 11      | 18              | 14      | 22              | 16      | 20              | 19      | 19              | 21      |
| 70 - 50  | -20                             | 23              | 15      | 15              | 21      | 11              | 25      | 18              | 30      | 14              | 34      | 12              | 38      |
|          | -15                             | 25              | 14      | 18              | 19      | 14              | 23      | 20              | 27      | 17              | 31      | 15              | 35      |
|          | -10                             | 27              | 13      | 21              | 18      | 17              | 21      | 23              | 25      | 20              | 29      | 18              | 32      |
|          | -5                              | 29              | 12      | 24              | 16      | 20              | 19      | 26              | 23      | 23              | 26      | 21              | 29      |
| 80 - 60  | -25                             | 24              | 20      | 17              | 26      | 13              | 30      | 20              | 36      | 17              | 42      | 14              | 47      |
|          | -20                             | 27              | 18      | 20              | 24      | 16              | 28      | 23              | 34      | 20              | 39      | 17              | 44      |
|          | -15                             | 29              | 17      | 23              | 22      | 18              | 26      | 26              | 32      | 23              | 36      | 20              | 41      |
|          | -10                             | 32              | 16      | 26              | 21      | 22              | 25      | 29              | 29      | 25              | 34      | 23              | 37      |
| 82 - 71  | -10                             | 38              | 18      | 31              | 23      | 27              | 28      | 34              | 33      | 30              | 38      | 28              | 43      |
|          | -5                              | 40              | 17      | 34              | 22      | 30              | 26      | 37              | 31      | 33              | 36      | 31              | 40      |
|          | 0                               | 43              | 16      | 37              | 20      | 33              | 24      | 39              | 28      | 36              | 33      | 34              | 37      |
| 110 - 70 | -25                             | 33              | 23      | 24              | 30      | 19              | 35      | 28              | 43      | 24              | 49      | 20              | 54      |
|          | -20                             | 35              | 21      | 27              | 28      | 22              | 33      | 31              | 40      | 27              | 46      | 23              | 51      |
|          | -15                             | 38              | 20      | 30              | 26      | 25              | 31      | 34              | 38      | 30              | 43      | 27              | 48      |
|          | -10                             | 40              | 19      | 33              | 25      | 29              | 29      | 36              | 35      | 33              | 40      | 30              | 45      |

Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L \cdot (t_{L,a} - t_{L,e}) \cdot 1,22 / 3600$  [kW]  
Water volume  $\dot{V}_W = Q \cdot 0,86 / (t_{W,e} - t_{W,a})$  [m³/h]

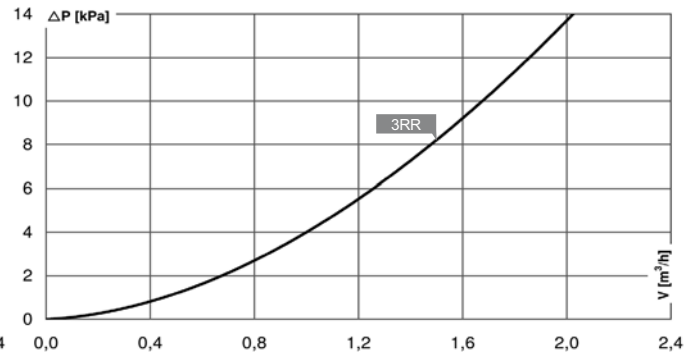
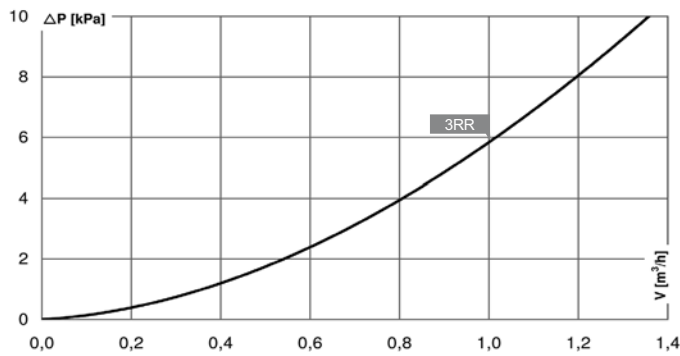
Example:  
 $\dot{V}_L = 3.000$  m³/h;  $t_{L,e} / t_{L,a} = -15/25$  °C;  $t_{W,e} / t_{W,a} = 70/50$  °C

$Q = 3.000 \cdot 40 \cdot 1,22 / 3.600 = 41$  kW  
 $\dot{V}_W = 41 \cdot 0,86 / 20 = 1,76$  m³/h

## Cold water cooling coil

| $t_{we}$ Water | Air in          | Size 60/30             |    |                        |    |                        |    | Size 90/30             |    |                        |    |                        |    |
|----------------|-----------------|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|
|                |                 | Air volume $\dot{V}_L$ |    |                        |    |                        |    | Air volume $\dot{V}_L$ |    |                        |    |                        |    |
|                |                 | 1000 m <sup>3</sup> /h |    | 1500 m <sup>3</sup> /h |    | 2000 m <sup>3</sup> /h |    | 2000 m <sup>3</sup> /h |    | 2500 m <sup>3</sup> /h |    | 3000 m <sup>3</sup> /h |    |
|                |                 | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    |
|                |                 | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  |
|                |                 | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW |
| 6 - 12         | 32 °C 40% r. H. | 19                     | 6  | 20                     | 7  | 21                     | 9  | 19                     | 11 | 20                     | 13 | 21                     | 14 |

## Medium pressure drop cooling coil



## Legend

- $t_{La}$  = Air out temperature [°C]
- $t_{Le}$  = Air in temperature [°C]
- $t_w$  = Water Temperature
- $\dot{V}_L$  = Air volume referred to 20 °C [m<sup>3</sup>/h]
- $\eta_{T1}$  = Efficiency Heat Exchanger Temperature [%]
- Q = Heating Capacity [kW]
- ID = Part ID





**Specific Accessories**  
For details see page: 150

| PWT 3,3                                                                        | PWT 5,0                                                                        | PWT 3,3                                                                        | PWT 5,0                                                                        |  |       |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--|-------|
| <b>FG 6030 G11 33</b><br>ID 113749                                             | <b>FG 6030 G11 50</b><br>ID 113750                                             | <b>FG 9030 G11 33</b><br>ID 113760                                             | <b>FG 9030 G11 50</b><br>ID 113761                                             |  | MWLW. |
| 230V ~/50Hz 55 °C<br>2220 m³/h 2.100 W<br>9,7 A                                | 230V ~/50Hz 55 °C<br>2480 m³/h 2.100 W<br>9,7 A                                | 230V ~/50Hz 40 °C<br>3050 m³/h 1.500 W<br>9,5 A                                | 230V ~/50Hz 40 °C<br>3270 m³/h 1.500 W<br>9,5 A                                |  |       |
| <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 100</b> ID 103511<br><b>TES 100</b> ID 103958<br><b>GS 01</b> ID 102787 | <b>TEM 100</b> ID 103511<br><b>TES 100</b> ID 103958<br><b>GS 01</b> ID 102787 |  |       |



Sound diffuser

|                              |                              |                              |                              |  |        |
|------------------------------|------------------------------|------------------------------|------------------------------|--|--------|
| <b>SDK 0130</b><br>ID 115830 | <b>SDK 0130</b><br>ID 115830 | <b>SDK 0130</b><br>ID 115830 | <b>SDK 0130</b><br>ID 115830 |  | MYMZD. |
|------------------------------|------------------------------|------------------------------|------------------------------|--|--------|



Pressure sensor  
50-500 Pa

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>MAN 01</b><br>ID 104226 | <b>MAN 01</b><br>ID 104226 | <b>MAN 01</b><br>ID 104226 | <b>MAN 01</b><br>ID 104226 |  | MYSLM. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Frost protection thermostat

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>THE 02</b><br>ID 115566 | <b>THE 02</b><br>ID 115566 | <b>THE 02</b><br>ID 115566 | <b>THE 02</b><br>ID 115566 |  | MYSLT. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Damper actuator  
24 V, 3-Point Control

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STA 01</b><br>ID 103590 | <b>STA 01</b><br>ID 103590 | <b>STA 01</b><br>ID 103590 | <b>STA 01</b><br>ID 103590 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Damper actuator  
230 V, 3-Point Control

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STA 11</b><br>ID 103933 | <b>STA 11</b><br>ID 103933 | <b>STA 11</b><br>ID 103933 | <b>STA 11</b><br>ID 103933 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Damper actuator  
24 V, continuous control 0-10 V

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STA 02</b><br>ID 107204 | <b>STA 02</b><br>ID 107204 | <b>STA 02</b><br>ID 107204 | <b>STA 02</b><br>ID 107204 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Damper actuator  
230 V, continuous control 0-10 V

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STA 12</b><br>ID 107631 | <b>STA 12</b><br>ID 107631 | <b>STA 12</b><br>ID 107631 | <b>STA 12</b><br>ID 107631 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Replacement Filter

|                               |                               |                               |                               |  |        |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--------|
| <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 20 F5</b><br>ID 108380 | <b>LFP 20 F5</b><br>ID 108380 |  | MYMEP. |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--------|



Replacement Filter

|                               |                               |                               |                               |  |        |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--------|
| <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 20 F7</b><br>ID 108379 | <b>LFP 20 F7</b><br>ID 108379 |  | MYMEP. |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--------|



|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>REG 01</b><br>ID 121296 | <b>REG 01</b><br>ID 121296 | <b>REG 01</b><br>ID 121296 | <b>REG 01</b><br>ID 121296 |  | MWLW. |
| <b>Control System</b>      | <b>Control System</b>      | <b>Control System</b>      | <b>Control System</b>      |  |       |



Three way ball valve

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Three way ball valve

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Three way ball valve

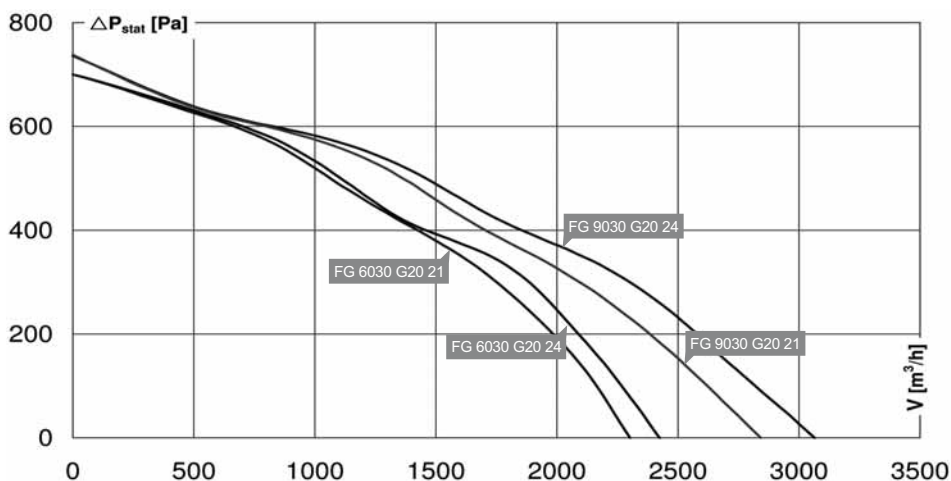
|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|



Three way ball valve

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 |  | MYSLS. |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|

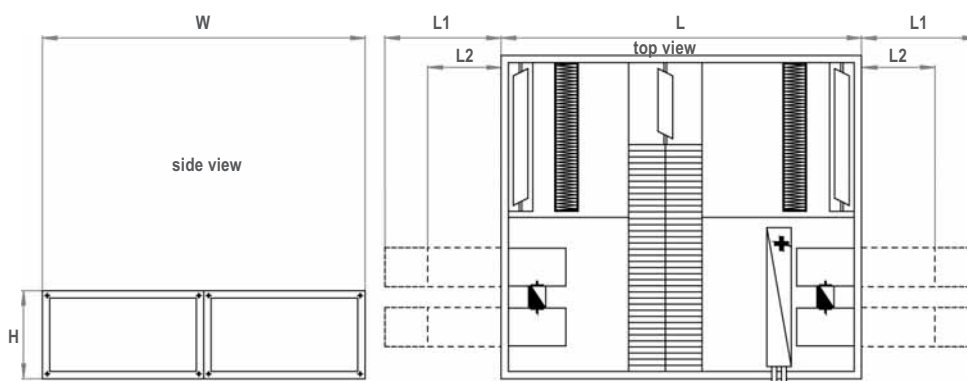




| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | W<br>[mm] | H<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|-----------|-----------|-----------|------------|------------|----------------|
| FG 6030 G20 21 | 113752 | 230V ~   | 50        | 12,6                     | 2000                  | 1327      | 367       | 1477      | 475        | 300        | 205,0          |
| FG 6030 G20 24 | 113753 | 230V ~   | 50        | 12,6                     | 2000                  | 1327      | 367       | 1477      | 475        | 300        | 205,0          |
| FG 9030 G20 21 | 115834 | 230V ~   | 50        | 15,0                     | 2740                  | 1927      | 367       | 1477      | 475        | 300        | 285,0          |
| FG 9030 G20 24 | 118327 | 230V ~   | 50        | 16,5                     | 3240                  | 1927      | 367       | 1477      | 475        | 300        | 285,0          |

(All units with connections in supply air direction right, connections left optional)

- Heat recovery unit for supply and extract air with plate heat exchanger in low profile design
- Integrated heater battery LPHW 2RR
- Frameless housing, galvanised sheet metal 2 x 1 mm with 30 mm mineral wool insulation
- Compact construction with tandem fans
- Access panel removable
- 2 panel filter F5
- Forward curved centrifugal fans
- Voltage controllable
- In/Outlet do not require flexible connection piece



| ID 113752 - 113753      |     |     |     |     |    |    |    |    | ID 115834 - 118327      |                      |     |     |     |    |    |    |    |    |    |
|-------------------------|-----|-----|-----|-----|----|----|----|----|-------------------------|----------------------|-----|-----|-----|----|----|----|----|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                         | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub>  |                      |     |     |     |    |    |    |    |    |    |
| Sound power [dB (A)]    |     |     |     |     |    |    |    |    | Sound power [dB (A)]    |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 200 | 74  | 57  | 65  | 67 | 68 | 67 | 65 | 60                      | P <sub>st</sub> [Pa] | 200 | 76  | 60  | 67 | 71 | 68 | 69 | 67 | 61 |
|                         | 400 | 76  | 56  | 65  | 71 | 71 | 69 | 63 | 58                      |                      | 400 | 72  | 56  | 63 | 67 | 64 | 66 | 64 | 58 |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |     |     |    |    |    |    |    |    |
| Short diffuser          |     |     |     |     |    |    |    |    | Short diffuser          |                      |     |     |     |    |    |    |    |    |    |
| Sound power [dB (A)]    |     |     |     |     |    |    |    |    | Sound power [dB (A)]    |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 200 | 87  | 62  | 70  | 79 | 81 | 81 | 78 | 75                      | P <sub>st</sub> [Pa] | 200 | 89  | 63  | 72 | 80 | 83 | 84 | 81 | 77 |
|                         | 400 | 84  | 59  | 69  | 78 | 78 | 78 | 75 | 72                      |                      | 400 | 84  | 59  | 68 | 76 | 78 | 80 | 77 | 73 |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> |                      |     |     |     |    |    |    |    |    |    |
| Sound diffuser          |     |     |     |     |    |    |    |    | Sound diffuser          |                      |     |     |     |    |    |    |    |    |    |
| Sound power [dB (A)]    |     |     |     |     |    |    |    |    | Sound power [dB (A)]    |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 200 | 73  | 64  | 68  | 68 | 61 | 57 | 61 | 64                      | P <sub>st</sub> [Pa] | 200 | 75  | 65  | 70 | 69 | 63 | 60 | 63 | 69 |
|                         | 400 | 73  | 62  | 68  | 68 | 61 | 56 | 59 | 61                      |                      | 400 | 73  | 62  | 67 | 66 | 61 | 58 | 61 | 62 |
| Casing L <sub>WA2</sub> |     |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> |                      |     |     |     |    |    |    |    |    |    |
| Sound power [dB (A)]    |     |     |     |     |    |    |    |    | Sound power [dB (A)]    |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]    | 200 | 57  | 52  | 54  | 45 | 44 | 42 | 40 | 36                      | P <sub>st</sub> [Pa] | 200 | 57  | 52  | 54 | 45 | 44 | 42 | 40 | 36 |
|                         | 400 | 57  | 51  | 53  | 47 | 45 | 43 | 41 | 37                      |                      | 400 | 57  | 51  | 53 | 47 | 45 | 43 | 41 | 37 |

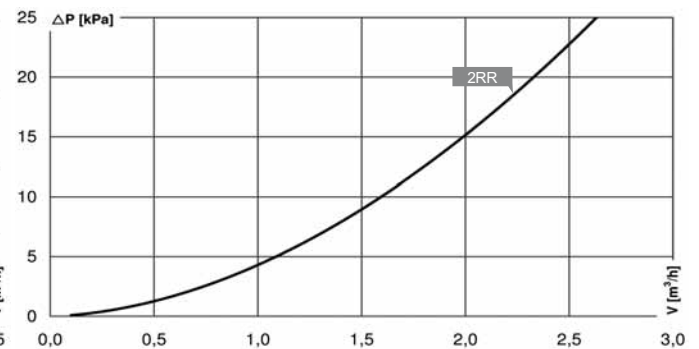
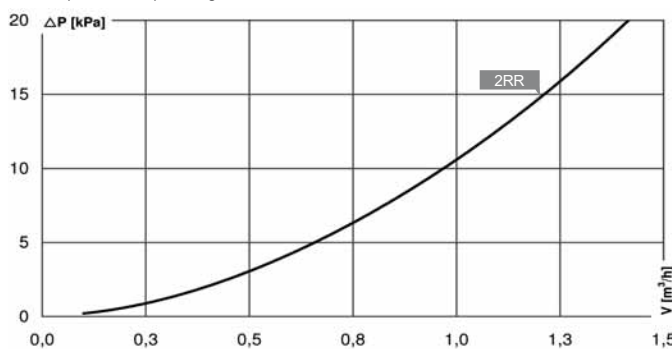
## Plate heat exchanger

| $t_{L,e}$ Supply | Type PWT | Size 60/30             |             |     |           |             |      |           |             |      | Size 90/30             |             |      |           |             |      |           |             |      |
|------------------|----------|------------------------|-------------|-----|-----------|-------------|------|-----------|-------------|------|------------------------|-------------|------|-----------|-------------|------|-----------|-------------|------|
|                  |          | Air volume $\dot{V}_L$ |             |     |           |             |      |           |             |      | Air volume $\dot{V}_L$ |             |      |           |             |      |           |             |      |
|                  |          | 1000 m³/h              |             |     | 1500 m³/h |             |      | 2000 m³/h |             |      | 2000 m³/h              |             |      | 2500 m³/h |             |      | 3000 m³/h |             |      |
|                  |          | $t_{L,a}$              | $\eta_{Tt}$ | Q   | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$              | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    |
|                  |          | °C                     | %           | kW  | °C        | %           | kW   | °C        | %           | kW   | °C                     | %           | kW   | °C        | %           | kW   | °C        | %           | kW   |
| -20              | 2,1      | 3,3                    | 55          | 7,7 | 1,2       | 50          | 11,0 | -0,2      | 47          | 13,0 | 1,3                    | 51          | 14,0 | 1,3       | 51          | 18,0 | -0,2      | 47          | 20,0 |
|                  | 2,4      | 1,1                    | 50          | 7,0 | 0,0       | 48          | 10,0 | -2,2      | 42          | 12,0 | -0,1                   | 47          | 13,0 | -0,9      | 45          | 16,0 | -2,2      | 42          | 18,0 |
| -15              | 2,1      | 5,4                    | 55          | 6,8 | 3,5       | 50          | 9,2  | 2,3       | 47          | 11,0 | 3,6                    | 50          | 12,0 | 3,6       | 50          | 15,0 | 2,3       | 47          | 17,0 |
|                  | 2,4      | 3,4                    | 50          | 6,1 | 2,4       | 47          | 8,7  | 0,4       | 42          | 10,0 | 2,4                    | 47          | 12,0 | 1,6       | 45          | 14,0 | 0,4       | 42          | 15,0 |
| -10              | 2,1      | 7,4                    | 54          | 5,8 | 5,2       | 47          | 7,6  | 4,7       | 46          | 9,8  | 5,8                    | 49          | 11,0 | 6,0       | 50          | 13,0 | 4,7       | 46          | 15,0 |
|                  | 2,4      | 5,7                    | 49          | 5,2 | 4,9       | 46          | 7,4  | 3,0       | 41          | 8,7  | 4,2                    | 44          | 9,4  | 4,2       | 44          | 12,0 | 3,0       | 41          | 13,0 |
| -5               | 2,1      | 9,3                    | 53          | 4,7 | 7,5       | 46          | 6,2  | 7,1       | 45          | 8,1  | 8,0                    | 48          | 8,6  | 7,6       | 47          | 10,0 | 7,1       | 45          | 12,0 |
|                  | 2,4      | 7,9                    | 48          | 4,3 | 7,3       | 45          | 6,1  | 5,9       | 40          | 7,2  | 6,7                    | 43          | 7,8  | 6,7       | 43          | 9,7  | 5,9       | 40          | 11,0 |

## Heating coil LPHW

| $t_{W,e}$ Water | $t_{L,e}$ Air in | Size 60/30 |    |           |    |           |    | Size 90/30 |    |           |    |           |    |
|-----------------|------------------|------------|----|-----------|----|-----------|----|------------|----|-----------|----|-----------|----|
|                 |                  | 1000 m³/h  |    | 1500 m³/h |    | 2000 m³/h |    | 2000 m³/h  |    | 2500 m³/h |    | 3000 m³/h |    |
|                 |                  | 2RR        |    | 2RR       |    | 2RR       |    | 2RR        |    | 2RR       |    | 2RR       |    |
|                 |                  | $t_{L,a}$  | Q  | $t_{L,a}$ | Q  | $t_{L,a}$ | Q  | $t_{L,a}$  | Q  | $t_{L,a}$ | Q  | $t_{L,a}$ | Q  |
|                 |                  | °C         | kW | °C        | kW | °C        | kW | °C         | kW | °C        | kW | °C        | kW |
| 60 - 40         | -15              | 29         | 16 | 13        | 16 | 10        | 19 | 15         | 23 | 12        | 26 | 10        | 29 |
|                 | -10              | 33         | 15 | 15        | 14 | 13        | 17 | 17         | 21 | 15        | 24 | 13        | 27 |
|                 | -5               | 35         | 14 | 18        | 13 | 16        | 15 | 20         | 19 | 17        | 21 | 16        | 24 |
|                 | 0                | 37         | 13 | 21        | 11 | 18        | 14 | 22         | 16 | 20        | 19 | 19        | 21 |
| 70 - 50         | -20              | 23         | 15 | 15        | 21 | 11        | 25 | 18         | 30 | 14        | 34 | 12        | 38 |
|                 | -15              | 25         | 14 | 18        | 19 | 14        | 23 | 20         | 27 | 17        | 31 | 15        | 35 |
|                 | -10              | 27         | 13 | 21        | 18 | 17        | 21 | 23         | 25 | 20        | 29 | 18        | 32 |
|                 | -5               | 29         | 12 | 24        | 16 | 20        | 19 | 26         | 23 | 23        | 26 | 21        | 29 |
| 80 - 60         | -25              | 24         | 20 | 17        | 26 | 13        | 30 | 20         | 36 | 17        | 42 | 14        | 47 |
|                 | -20              | 27         | 18 | 20        | 24 | 16        | 28 | 23         | 34 | 20        | 39 | 17        | 44 |
|                 | -15              | 29         | 17 | 23        | 22 | 18        | 26 | 26         | 32 | 23        | 36 | 20        | 41 |
|                 | -10              | 32         | 16 | 26        | 21 | 22        | 25 | 29         | 29 | 25        | 34 | 23        | 37 |
| 82 - 71         | -10              | 38         | 18 | 31        | 23 | 27        | 28 | 34         | 33 | 30        | 38 | 28        | 43 |
|                 | -5               | 40         | 17 | 34        | 22 | 30        | 26 | 37         | 31 | 33        | 36 | 31        | 40 |
|                 | 0                | 43         | 16 | 37        | 20 | 33        | 24 | 39         | 28 | 36        | 33 | 34        | 37 |
| 110 - 70        | -25              | 33         | 23 | 24        | 30 | 19        | 35 | 28         | 43 | 24        | 49 | 20        | 54 |
|                 | -20              | 35         | 21 | 27        | 28 | 22        | 33 | 31         | 40 | 27        | 46 | 23        | 51 |
|                 | -15              | 38         | 20 | 30        | 26 | 25        | 31 | 34         | 38 | 30        | 43 | 27        | 48 |
|                 | -10              | 40         | 19 | 33        | 25 | 29        | 29 | 36         | 35 | 33        | 40 | 30        | 45 |

## Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L \cdot (t_{L,a} - t_{L,e}) \cdot 1,22 / 3600$  [kW]  
 Water volume  $\dot{V}_W = Q \cdot 0,86 / (t_{W,e} - t_{W,a})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000$  m³/h;  $t_{L,e} / t_{L,a} = -15/25$  °C;  $t_{W,e} / t_{W,a} = 70/50$  °C

$Q = 3.000 \cdot 40 \cdot 1,22 / 3.600 = 41$  kW  
 $\dot{V}_W = 41 \cdot 0,86 / 20 = 1,76$  m³/h



**Specific Accessories**  
For details see page: 150



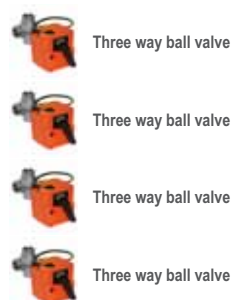
## FG AHU with crossflow plate heat exchanger

| PWT 2,1                                                                        | PWT 2,4                                                                        | PWT 2,1                                                                        | PWT 2,4                                                                        |  |      |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--|------|
| <b>FG 6030 G20 21</b><br>ID 113752                                             | <b>FG 6030 G20 24</b><br>ID 113753                                             | <b>FG 9030 G20 21</b><br>ID 115834                                             | <b>FG 9030 G20 24</b><br>ID 118327                                             |  | MWLW |
| 230V ~/50Hz 55 °C<br>2310 m³/h 2.000 W<br>12,6 A                               | 230V ~/50Hz 55 °C<br>2430 m³/h 2.000 W<br>12,6 A                               | 230V ~/50Hz 50 °C<br>2870 m³/h 2.740 W<br>15,0 A                               | 230V ~/50Hz 50 °C<br>3060 m³/h 3.240 W<br>16,5 A                               |  |      |
| <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 |  |      |

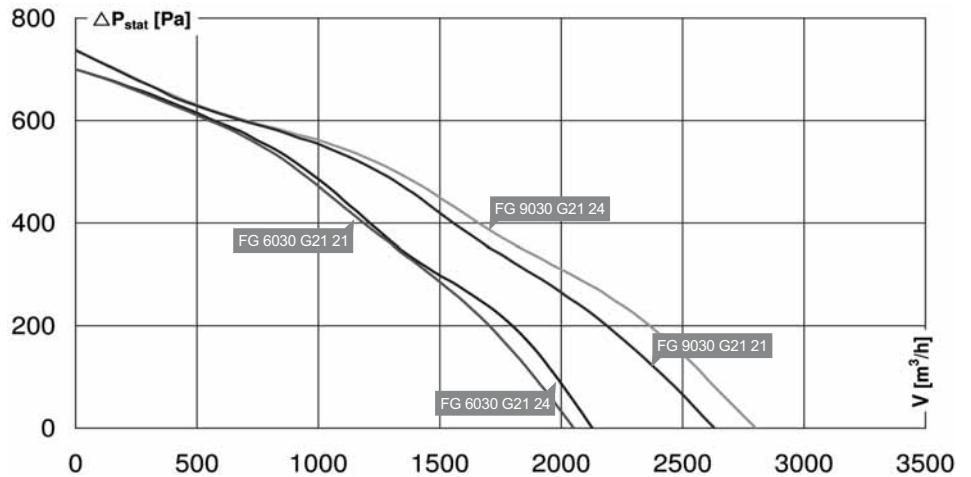
|                               |                               |                               |                               |  |       |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|-------|
| <b>SDK 0130</b><br>ID 115830  | <b>SDK 0130</b><br>ID 115830  | <b>SDK 0130</b><br>ID 115830  | <b>SDK 0130</b><br>ID 115830  |  | MYMZD |
| <b>MAN 01</b><br>ID 104226    | <b>MAN 01</b><br>ID 104226    | <b>MAN 01</b><br>ID 104226    | <b>MAN 01</b><br>ID 104226    |  | MYSLM |
| <b>THE 02</b><br>ID 115566    | <b>THE 02</b><br>ID 115566    | <b>THE 02</b><br>ID 115566    | <b>THE 02</b><br>ID 115566    |  | MYSLT |
| <b>STA 01</b><br>ID 103590    | <b>STA 01</b><br>ID 103590    | <b>STA 01</b><br>ID 103590    | <b>STA 01</b><br>ID 103590    |  | MYSLS |
| <b>STA 11</b><br>ID 103933    | <b>STA 11</b><br>ID 103933    | <b>STA 11</b><br>ID 103933    | <b>STA 11</b><br>ID 103933    |  | MYSLS |
| <b>STA 02</b><br>ID 107204    | <b>STA 02</b><br>ID 107204    | <b>STA 02</b><br>ID 107204    | <b>STA 02</b><br>ID 107204    |  | MYSLS |
| <b>STA 12</b><br>ID 107631    | <b>STA 12</b><br>ID 107631    | <b>STA 12</b><br>ID 107631    | <b>STA 12</b><br>ID 107631    |  | MYSLS |
| <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 20 F5</b><br>ID 108380 | <b>LFP 20 F5</b><br>ID 108380 |  | MYMEP |
| <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 20 F7</b><br>ID 108379 | <b>LFP 20 F7</b><br>ID 108379 |  | MYMEP |
|                               |                               |                               |                               |  |       |
|                               |                               |                               |                               |  |       |



|                            |        |                            |        |                            |        |                            |        |  |      |
|----------------------------|--------|----------------------------|--------|----------------------------|--------|----------------------------|--------|--|------|
| <b>REG 03</b><br>ID 121272 | 4190,- | <b>REG 03</b><br>ID 121272 | 4190,- | <b>REG 03</b><br>ID 121272 | 4190,- | <b>REG 03</b><br>ID 121272 | 4190,- |  | MWLW |
| <b>Control System</b>      |        | <b>Control System</b>      |        | <b>Control System</b>      |        | <b>Control System</b>      |        |  |      |



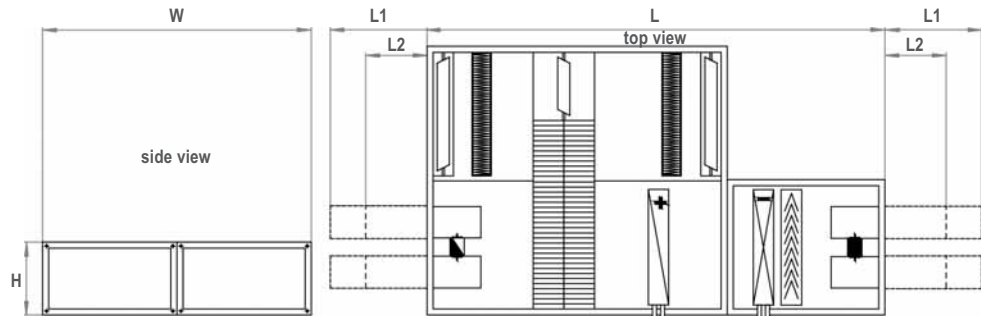
|                            |       |                            |       |                            |       |                            |       |  |       |
|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|--|-------|
| <b>STK 01</b><br>ID 112934 | 447,- | <b>STK 01</b><br>ID 112934 | 447,- | <b>STK 01</b><br>ID 112934 | 447,- | <b>STK 01</b><br>ID 112934 | 447,- |  | MYSLS |
| <b>STK 02</b><br>ID 112935 | 470,- | <b>STK 02</b><br>ID 112935 | 470,- | <b>STK 02</b><br>ID 112935 | 470,- | <b>STK 02</b><br>ID 112935 | 470,- |  | MYSLS |
| <b>STK 03</b><br>ID 112936 | 525,- | <b>STK 03</b><br>ID 112936 | 525,- | <b>STK 03</b><br>ID 112936 | 525,- | <b>STK 03</b><br>ID 112936 | 525,- |  | MYSLS |
| <b>STK 05</b><br>ID 121620 | 447,- | <b>STK 05</b><br>ID 121620 | 447,- | <b>STK 05</b><br>ID 121620 | 447,- | <b>STK 05</b><br>ID 121620 | 447,- |  | MYSLS |
|                            |       |                            |       |                            |       |                            |       |  |       |



| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | W<br>[mm] | H<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|-----------|-----------|-----------|------------|------------|----------------|
| FG 6030 G21 21 | 120200 | 230V ~   | 50        | 12,6                     | 2000                  | 1327      | 367       | 2252      | 475        | 300        | 205,0          |
| FG 6030 G21 24 | 120201 | 230V ~   | 50        | 12,6                     | 2000                  | 1327      | 367       | 2252      | 475        | 300        | 205,0          |
| FG 9030 G21 21 | 120202 | 230V ~   | 50        | 15,0                     | 2740                  | 1927      | 367       | 2252      | 475        | 300        | 285,0          |
| FG 9030 G21 24 | 120203 | 230V ~   | 50        | 16,5                     | 3240                  | 1927      | 367       | 2252      | 475        | 300        | 285,0          |

(All units with connections in supply air direction right, connections left optional)

- Heat recovery unit for supply and extract air with plate heat exchanger in low profile design
- Integrated heater battery LPHW 2RR
- cold water cooling coil 3RR
- Frameless housing, galvanised sheet metal 2 x 1 mm with 30 mm mineral wool insulation
- Compact construction with tandem fans
- Access panel removable
- 2 panel filter F5
- Forward curved centrifugal fans
- Voltage controllable
- In/Outlet do not require flexible connection piece



| ID 120200 - 120201                                          |     |     |     |     |    |    |    |    | ID 120202 - 120203                                          |                      |     |     |     |    |    |    |    |    |    |
|-------------------------------------------------------------|-----|-----|-----|-----|----|----|----|----|-------------------------------------------------------------|----------------------|-----|-----|-----|----|----|----|----|----|----|
|                                                             | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                                                             | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |    |    |
| Inlet L <sub>WA5</sub> Sound power [dB (A)]                 |     |     |     |     |    |    |    |    | Inlet L <sub>WA5</sub> Sound power [dB (A)]                 |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]                                        | 200 | 74  | 57  | 65  | 67 | 68 | 67 | 65 | 60                                                          | P <sub>st</sub> [Pa] | 200 | 76  | 60  | 67 | 71 | 68 | 69 | 67 | 61 |
|                                                             | 400 | 76  | 56  | 65  | 71 | 71 | 69 | 63 | 58                                                          |                      | 400 | 72  | 56  | 63 | 67 | 64 | 66 | 64 | 58 |
| Outlet L <sub>WA6</sub> Short diffuser Sound power [dB (A)] |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> Short diffuser Sound power [dB (A)] |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]                                        | 200 | 87  | 62  | 70  | 79 | 81 | 81 | 78 | 75                                                          | P <sub>st</sub> [Pa] | 200 | 89  | 63  | 72 | 80 | 83 | 84 | 81 | 77 |
|                                                             | 400 | 84  | 59  | 69  | 78 | 78 | 78 | 75 | 72                                                          |                      | 400 | 84  | 59  | 68 | 76 | 78 | 80 | 77 | 73 |
| Outlet L <sub>WA6</sub> Sound diffuser Sound power [dB (A)] |     |     |     |     |    |    |    |    | Outlet L <sub>WA6</sub> Sound diffuser Sound power [dB (A)] |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]                                        | 200 | 73  | 64  | 68  | 68 | 61 | 57 | 61 | 64                                                          | P <sub>st</sub> [Pa] | 200 | 75  | 65  | 70 | 69 | 63 | 60 | 63 | 69 |
|                                                             | 400 | 73  | 62  | 68  | 68 | 61 | 56 | 59 | 61                                                          |                      | 400 | 73  | 62  | 67 | 66 | 61 | 58 | 61 | 62 |
| Casing L <sub>WA2</sub> Sound power [dB (A)]                |     |     |     |     |    |    |    |    | Casing L <sub>WA2</sub> Sound power [dB (A)]                |                      |     |     |     |    |    |    |    |    |    |
| P <sub>st</sub> [Pa]                                        | 200 | 57  | 52  | 54  | 45 | 44 | 42 | 40 | 36                                                          | P <sub>st</sub> [Pa] | 200 | 57  | 52  | 54 | 45 | 44 | 42 | 40 | 36 |
|                                                             | 400 | 57  | 51  | 53  | 47 | 45 | 43 | 41 | 37                                                          |                      | 400 | 57  | 51  | 53 | 47 | 45 | 43 | 41 | 37 |

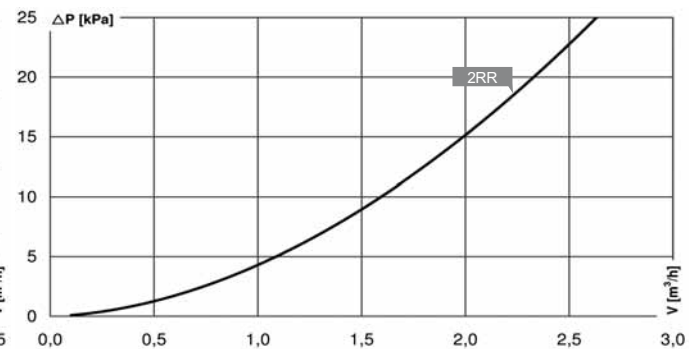
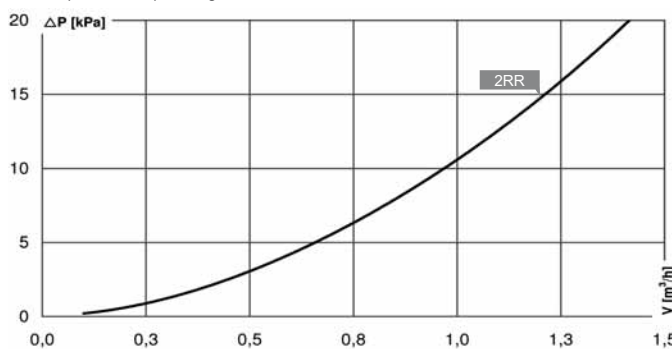
Plate heat exchanger

|     | $t_{L,e}$ Supply | Type PWT | Size 60/30             |             |     |           |             |      |           |             |      | Size 90/30             |             |      |           |             |      |           |             |    |
|-----|------------------|----------|------------------------|-------------|-----|-----------|-------------|------|-----------|-------------|------|------------------------|-------------|------|-----------|-------------|------|-----------|-------------|----|
|     |                  |          | Air volume $\dot{V}_L$ |             |     |           |             |      |           |             |      | Air volume $\dot{V}_L$ |             |      |           |             |      |           |             |    |
|     |                  |          | 1000 m³/h              |             |     | 1500 m³/h |             |      | 2000 m³/h |             |      | 2000 m³/h              |             |      | 2500 m³/h |             |      | 3000 m³/h |             |    |
|     |                  |          | $t_{L,a}$              | $\eta_{Tt}$ | Q   | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$              | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q    | $t_{L,a}$ | $\eta_{Tt}$ | Q  |
|     |                  |          | °C                     | %           | kW  | °C        | %           | kW   | °C        | %           | kW   | °C                     | %           | kW   | °C        | %           | kW   | °C        | %           | kW |
| -20 | 2,1              | 3,3      | 55                     | 7,7         | 1,2 | 50        | 11,0        | -0,2 | 47        | 13,0        | 1,3  | 51                     | 14,0        | 1,3  | 51        | 18,0        | -0,2 | 47        | 20,0        |    |
|     | 2,4              | 1,1      | 50                     | 7,0         | 0,0 | 48        | 10,0        | -2,2 | 42        | 12,0        | -0,1 | 47                     | 13,0        | -0,9 | 45        | 16,0        | -2,2 | 42        | 18,0        |    |
| -15 | 2,1              | 5,4      | 55                     | 6,8         | 3,5 | 50        | 9,2         | 2,3  | 47        | 11,0        | 3,6  | 50                     | 12,0        | 3,6  | 50        | 15,0        | 2,3  | 47        | 17,0        |    |
|     | 2,4              | 3,4      | 50                     | 6,1         | 2,4 | 47        | 8,7         | 0,4  | 42        | 10,0        | 2,4  | 47                     | 12,0        | 1,6  | 45        | 14,0        | 0,4  | 42        | 15,0        |    |
| -10 | 2,1              | 7,4      | 54                     | 5,8         | 5,2 | 47        | 7,6         | 4,7  | 46        | 9,8         | 5,8  | 49                     | 11,0        | 6,0  | 50        | 13,0        | 4,7  | 46        | 15,0        |    |
|     | 2,4              | 5,7      | 49                     | 5,2         | 4,9 | 46        | 7,4         | 3,0  | 41        | 8,7         | 4,2  | 44                     | 9,4         | 4,2  | 44        | 12,0        | 3,0  | 41        | 13,0        |    |
| -5  | 2,1              | 9,3      | 53                     | 4,7         | 7,5 | 46        | 6,2         | 7,1  | 45        | 8,1         | 8,0  | 48                     | 8,6         | 7,6  | 47        | 10,0        | 7,1  | 45        | 12,0        |    |
|     | 2,4              | 7,9      | 48                     | 4,3         | 7,3 | 45        | 6,1         | 5,9  | 40        | 7,2         | 6,7  | 43                     | 7,8         | 6,7  | 43        | 9,7         | 5,9  | 40        | 11,0        |    |

Heating coil LPHW

|          | $t_w$ Water | $t_{L,e}$ Air in | Size 60/30 |    |           |    |           |    | Size 90/30 |    |           |    |           |    |
|----------|-------------|------------------|------------|----|-----------|----|-----------|----|------------|----|-----------|----|-----------|----|
|          |             |                  | 1000 m³/h  |    | 1500 m³/h |    | 2000 m³/h |    | 2000 m³/h  |    | 2500 m³/h |    | 3000 m³/h |    |
|          |             |                  | 2RR        |    | 2RR       |    | 2RR       |    | 2RR        |    | 2RR       |    | 2RR       |    |
|          |             |                  | $t_{L,a}$  | Q  | $t_{L,a}$ | Q  | $t_{L,a}$ | Q  | $t_{L,a}$  | Q  | $t_{L,a}$ | Q  | $t_{L,a}$ | Q  |
|          |             |                  | °C         | kW | °C        | kW | °C        | kW | °C         | kW | °C        | kW | °C        | kW |
| 60 - 40  | -15         | 29               | 16         | 13 | 16        | 10 | 19        | 15 | 23         | 12 | 26        | 10 | 29        |    |
|          | -10         | 33               | 15         | 15 | 14        | 13 | 17        | 17 | 21         | 15 | 24        | 13 | 27        |    |
|          | -5          | 35               | 14         | 18 | 13        | 16 | 15        | 20 | 19         | 17 | 21        | 16 | 24        |    |
|          | 0           | 37               | 13         | 21 | 11        | 18 | 14        | 22 | 16         | 20 | 19        | 19 | 21        |    |
| 70 - 50  | -20         | 23               | 15         | 15 | 21        | 11 | 25        | 18 | 30         | 14 | 34        | 12 | 38        |    |
|          | -15         | 25               | 14         | 18 | 19        | 14 | 23        | 20 | 27         | 17 | 31        | 15 | 35        |    |
|          | -10         | 27               | 13         | 21 | 18        | 17 | 21        | 23 | 25         | 20 | 29        | 18 | 32        |    |
|          | -5          | 29               | 12         | 24 | 16        | 20 | 19        | 26 | 23         | 23 | 26        | 21 | 29        |    |
| 80 - 60  | -25         | 24               | 20         | 17 | 26        | 13 | 30        | 20 | 36         | 17 | 42        | 14 | 47        |    |
|          | -20         | 27               | 18         | 20 | 24        | 16 | 28        | 23 | 34         | 20 | 39        | 17 | 44        |    |
|          | -15         | 29               | 17         | 23 | 22        | 18 | 26        | 26 | 32         | 23 | 36        | 20 | 41        |    |
|          | -10         | 32               | 16         | 26 | 21        | 22 | 25        | 29 | 29         | 25 | 34        | 23 | 37        |    |
| 82 - 71  | -10         | 38               | 18         | 31 | 23        | 27 | 28        | 34 | 33         | 30 | 38        | 28 | 43        |    |
|          | -5          | 40               | 17         | 34 | 22        | 30 | 26        | 37 | 31         | 33 | 36        | 31 | 40        |    |
|          | 0           | 43               | 16         | 37 | 20        | 33 | 24        | 39 | 28         | 36 | 33        | 34 | 37        |    |
| 110 - 70 | -25         | 33               | 23         | 24 | 30        | 19 | 35        | 28 | 43         | 24 | 49        | 20 | 54        |    |
|          | -20         | 35               | 21         | 27 | 28        | 22 | 33        | 31 | 40         | 27 | 46        | 23 | 51        |    |
|          | -15         | 38               | 20         | 30 | 26        | 25 | 31        | 34 | 38         | 30 | 43        | 27 | 48        |    |
|          | -10         | 40               | 19         | 33 | 25        | 29 | 29        | 36 | 35         | 33 | 40        | 30 | 45        |    |

Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L \cdot (t_{L,a} - t_{L,e}) \cdot 1,22 / 3600$  [kW]  
Water volume  $\dot{V}_W = Q \cdot 0,86 / (t_{W,e} - t_{W,a})$  [m³/h]

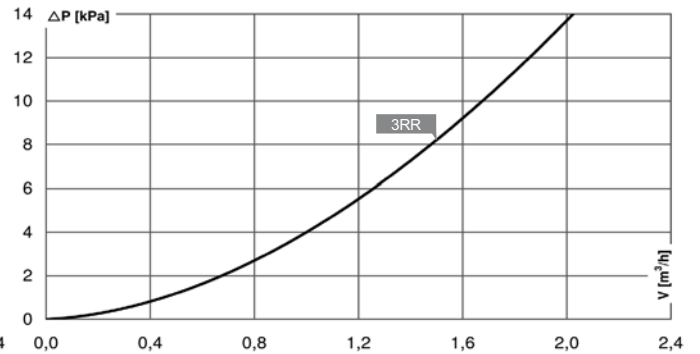
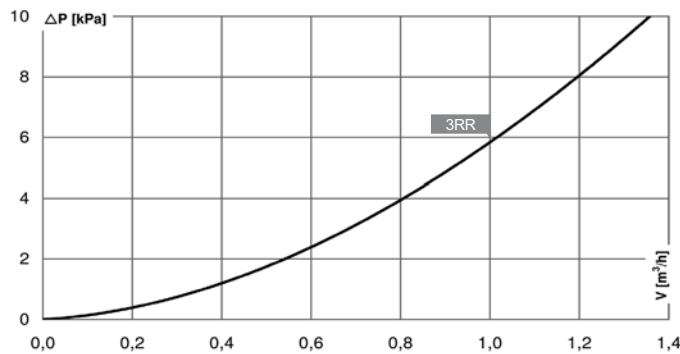
Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}$ ;  $t_{L,e} / t_{L,a} = -15/25 \text{ }^\circ\text{C}$ ;  $t_{W,e} / t_{W,a} = 70/50 \text{ }^\circ\text{C}$

$Q = 3.000 \cdot 40 \cdot 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 \cdot 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$

## Cold water cooling coil

| $t_{we}$ Water | Air in          | Size 60/30             |    |                        |    |                        |    | Size 90/30             |    |                        |    |                        |    |
|----------------|-----------------|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|
|                |                 | Air volume $\dot{V}_L$ |    |                        |    |                        |    | Air volume $\dot{V}_L$ |    |                        |    |                        |    |
|                |                 | 1000 m <sup>3</sup> /h |    | 1500 m <sup>3</sup> /h |    | 2000 m <sup>3</sup> /h |    | 2000 m <sup>3</sup> /h |    | 2500 m <sup>3</sup> /h |    | 3000 m <sup>3</sup> /h |    |
|                |                 | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    |
|                |                 | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  | $t_{La}$               | Q  |
|                |                 | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW |
| 6 - 12         | 32 °C 40% r. H. | 19                     | 6  | 20                     | 7  | 21                     | 9  | 19                     | 11 | 20                     | 13 | 21                     | 14 |

## Medium pressure drop cooling coil



## Legend

- RR = Number of rows
- $t_{La}$  = Air out temperature [°C]
- $t_{Le}$  = Air in temperature [°C]
- $t_w$  = Water Temperature
- $\dot{V}_L$  = Air volume referred to 20 °C [m<sup>3</sup>/h]
- $\dot{V}_W$  = Water volume [m<sup>3</sup>/h]
- $\eta_{T1}$  = Efficiency Heat Exchanger Temperature [%]
- Q = Heating Capacity [kW]
- ID = Part ID





**Specific Accessories**  
 For details see page: 150

## FG AHU with crossflow plate heat exchanger

| <b>FG 6030 G21 21</b><br>ID 120200                                             | <b>FG 6030 G21 24</b><br>ID 120201                                             | <b>FG 9030 G21 21</b><br>ID 120202                                             | <b>FG 9030 G21 24</b><br>ID 120203                                             |  | MWLW. |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--|-------|
| 230V ~/50Hz 55 °C<br>2060 m³/h 2.000 W<br>12,6 A                               | 230V ~/50Hz 55 °C<br>2160 m³/h 2.000 W<br>12,6 A                               | 230V ~/50Hz 50 °C<br>2650 m³/h 2.740 W<br>15,0 A                               | 230V ~/50Hz 50 °C<br>2850 m³/h 3.240 W<br>16,5 A                               |  |       |
| <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 | <b>TEM 075</b> ID 103507<br><b>TES 075</b> ID 103957<br><b>GS 01</b> ID 102787 |  |       |
|                                                                                |                                                                                |                                                                                |                                                                                |  |       |



Sound diffuser



Pressure sensor  
 50-500 Pa



Frost protection thermostat



Damper actuator  
 24 V, 3-Point Control



Damper actuator  
 230 V, 3-Point Control



Damper actuator  
 24 V, continuous control 0-10 V



Damper actuator  
 230 V, continuous control 0-10 V



Replacement Filter



Replacement Filter

|                               |                               |                               |                               |  |        |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--------|
| <b>SDK 0130</b><br>ID 115830  | <b>SDK 0130</b><br>ID 115830  | <b>SDK 0130</b><br>ID 115830  | <b>SDK 0130</b><br>ID 115830  |  | MYMZD. |
| <b>MAN 01</b><br>ID 104226    | <b>MAN 01</b><br>ID 104226    | <b>MAN 01</b><br>ID 104226    | <b>MAN 01</b><br>ID 104226    |  | MYSLM. |
| <b>THE 02</b><br>ID 115566    | <b>THE 02</b><br>ID 115566    | <b>THE 02</b><br>ID 115566    | <b>THE 02</b><br>ID 115566    |  | MYSLT. |
| <b>STA 01</b><br>ID 103590    | <b>STA 01</b><br>ID 103590    | <b>STA 01</b><br>ID 103590    | <b>STA 01</b><br>ID 103590    |  | MYSLS. |
| <b>STA 11</b><br>ID 103933    | <b>STA 11</b><br>ID 103933    | <b>STA 11</b><br>ID 103933    | <b>STA 11</b><br>ID 103933    |  | MYSLS. |
| <b>STA 02</b><br>ID 107204    | <b>STA 02</b><br>ID 107204    | <b>STA 02</b><br>ID 107204    | <b>STA 02</b><br>ID 107204    |  | MYSLS. |
| <b>STA 12</b><br>ID 107631    | <b>STA 12</b><br>ID 107631    | <b>STA 12</b><br>ID 107631    | <b>STA 12</b><br>ID 107631    |  | MYSLS. |
| <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 11 F5</b><br>ID 108378 | <b>LFP 20 F5</b><br>ID 108380 | <b>LFP 20 F5</b><br>ID 108380 |  | MYMEP. |
| <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 11 F7</b><br>ID 108673 | <b>LFP 20 F7</b><br>ID 108379 | <b>LFP 20 F7</b><br>ID 108379 |  | MYMEP. |
|                               |                               |                               |                               |  |        |
|                               |                               |                               |                               |  |        |



|                            |                            |                            |                            |  |       |
|----------------------------|----------------------------|----------------------------|----------------------------|--|-------|
| <b>REG 03</b><br>ID 121272 | <b>REG 03</b><br>ID 121272 | <b>REG 03</b><br>ID 121272 | <b>REG 03</b><br>ID 121272 |  | MWLW. |
| <b>Control System</b>      | <b>Control System</b>      | <b>Control System</b>      | <b>Control System</b>      |  |       |



Three way ball valve



Three way ball valve



Three way ball valve



Three way ball valve

|                            |                            |                            |                            |  |        |
|----------------------------|----------------------------|----------------------------|----------------------------|--|--------|
| <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 | <b>STK 01</b><br>ID 112934 |  | MYSLS. |
| <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 | <b>STK 02</b><br>ID 112935 |  | MYSLS. |
| <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 | <b>STK 03</b><br>ID 112936 |  | MYSLS. |
| <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 | <b>STK 05</b><br>ID 121620 |  | MYSLS. |
|                            |                            |                            |                            |  |        |



### Functions

- Operating modes room-, supply, or exhaust air temperature control choosable by remote control
- Temperature sensors are integrated in the unit and remote control
- Indication of current fan step and temperature
- Temperature setting by remote control
- PI-Controller with 2 sequences für heating and cooling
- Control of the damper actuators for fresh air, exhaust air and bypass (only FG) (open/close)
- Free cooling by stopping the rotating wheel (only RL)
- Control of a valve for heater or cooler battery
- Error indication on the display of remote control
- Potential free contact for passing on error message
- Min. or max. limitation of supply air temperature
- Control of the supply and exhaust fan (3 steps)
- Preheat and flushing function for warm water heater
- Run on timer for fan when electric heater battery is used
- Frost protection for warm water heater
- Protection of icing for the heat exchanger
- Control of heating pump
- Monitoring of filter pressure
- Remote control with 10 m connection cable

### General

At units of the series FG with crossflo heat exchanger, the control cabinet is mounted on the side where the connections of heater and cooler battery are located. External equipment like frost protection thermostate and damper actuators are mounted and wired to the control panel. As an optional accessory there are 3-way ball valves with a 230 V (3 point) actuator available. These have to be connected to the control on site by others.

### Input

- Enable of unit through external potential free contact
- Frost protection thermostat
- Safety temperature limiter
- Filter monitoring fresh air
- Filter monitoring exhaust air
- Thermal cutoff Motor
- Temperature sensor (Supply/Extract/Exhaust/Fresh Air)

### Output

- Supply fan (3 steps)
- Exhaust fan (3 steps)
- Valve heating circuit (3 point)
- Pump for heating circuit
- Valve cooling circuit (3 point)
- Unit failure
- Release of cooling machine
- Bypass damper (3 point)
- Fresh air damper (open/close)
- exhaust air damper (open/close)



### Remote control

An elegant control panel with functional handling and digital display for fan step and desired temperature.



### Complete solution

The new ROTOLINE RLI integrated with ETALINE fans offer a complete wired solution for time-saving installation.

### Comfortable operation

Through the included remote control the temperature and fan speed can be varied. A timer is integrated in the remote control.

- Integrated controls in the unit
- With remote control
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Cooling coil, DX coil (optional)
- Heat recovery wheel removable
- Easy to clean smooth finish design and covered cable routing



### Control System

The regulation installed in the unit is easily accessible. All connections are realized with plug cords.



### Energy saving frequency converter

The frequency converters is installed in the unit and wired.



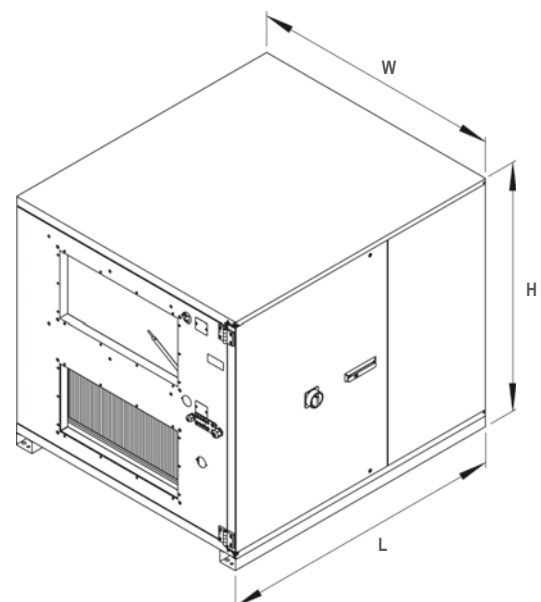
### Integrated drain pan

A cooling or DX coil can easily be retroactively fitted into the unit.



### Dampers

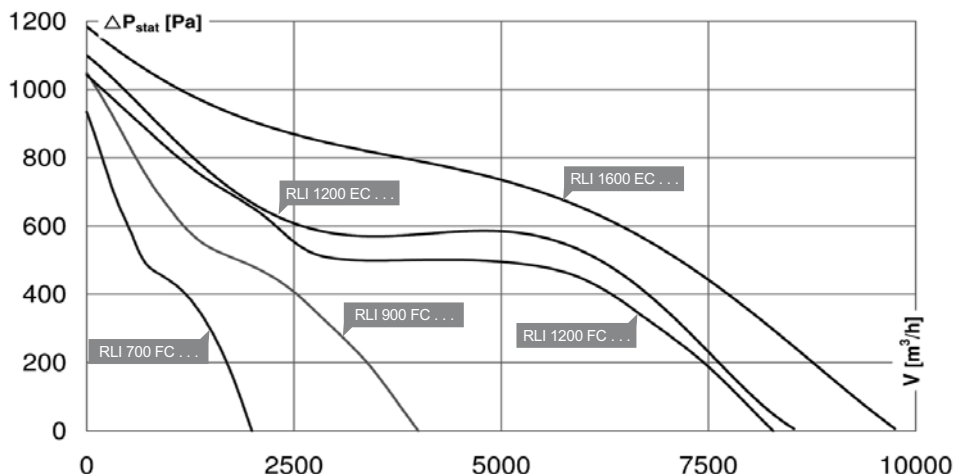
Dampers for Intake and Exhaust Air is supplied with spring return actuators.



| Type                                                      | ID     |  | max.<br>Air volume at<br>200Pa external<br>pressure | Connection<br>side right | Connection<br>side left | Heating coil<br>warm water | Cooling coil<br>cold water | DX coil |  |  |  |
|-----------------------------------------------------------|--------|--|-----------------------------------------------------|--------------------------|-------------------------|----------------------------|----------------------------|---------|--|--|--|
| ROTOLINE                                                  |        |  |                                                     |                          |                         |                            |                            |         |  |  |  |
| RLI 700 FC 10                                             | 119036 |  | 1670                                                | x                        |                         | x                          |                            |         |  |  |  |
| RLI 700 FC 11                                             | 119039 |  | 1670                                                |                          | x                       | x                          |                            |         |  |  |  |
| RLI 900 FC 10                                             | 118638 |  | 3370                                                | x                        |                         | x                          |                            |         |  |  |  |
| RLI 900 FC 11                                             | 118640 |  | 3370                                                |                          | x                       | x                          |                            |         |  |  |  |
| RLI 1200 FC 10                                            | 119802 |  | 7350                                                | x                        |                         | x                          |                            |         |  |  |  |
| RLI 1200 FC 11                                            | 119805 |  | 7350                                                |                          | x                       | x                          |                            |         |  |  |  |
| RLI 1200 EC 10                                            | 120494 |  | 7600                                                | x                        |                         | x                          |                            |         |  |  |  |
| RLI 1200 EC 11                                            | 120497 |  | 7600                                                |                          | x                       | x                          |                            |         |  |  |  |
| RLI 1600 EC 10                                            | 120665 |  | 8700                                                | x                        |                         | x                          |                            |         |  |  |  |
| RLI 1600 EC 11                                            | 120668 |  | 8700                                                |                          | x                       | x                          |                            |         |  |  |  |
| ROTOLINE With cooling coil LPCW (low Pressure Cold Water) |        |  |                                                     |                          |                         |                            |                            |         |  |  |  |
| RLI 700 FC 12                                             | 119042 |  | 1560                                                | x                        |                         | x                          | x                          |         |  |  |  |
| RLI 700 FC 13                                             | 119045 |  | 1560                                                |                          | x                       | x                          | x                          |         |  |  |  |
| RLI 900 FC 12                                             | 118727 |  | 3060                                                | x                        |                         | x                          | x                          |         |  |  |  |
| RLI 900 FC 13                                             | 118742 |  | 3060                                                |                          | x                       | x                          | x                          |         |  |  |  |
| RLI 1200 FC 12                                            | 119808 |  | 6870                                                | x                        |                         | x                          | x                          |         |  |  |  |
| RLI 1200 FC 13                                            | 119811 |  | 6870                                                |                          | x                       | x                          | x                          |         |  |  |  |
| RLI 1200 EC 12                                            | 120500 |  | 7100                                                | x                        |                         | x                          | x                          |         |  |  |  |
| RLI 1200 EC 13                                            | 120503 |  | 7100                                                |                          | x                       | x                          | x                          |         |  |  |  |
| RLI 1600 EC 12                                            | 120671 |  | 8470                                                | x                        |                         | x                          | x                          |         |  |  |  |
| RLI 1600 EC 13                                            | 120674 |  | 8470                                                |                          | x                       | x                          | x                          |         |  |  |  |
| ROTOLINE With DX coil                                     |        |  |                                                     |                          |                         |                            |                            |         |  |  |  |
| RLI 700 FC 14                                             | 119048 |  | 1550                                                | x                        |                         | x                          |                            | x       |  |  |  |
| RLI 700 FC 15                                             | 119051 |  | 1550                                                |                          | x                       | x                          |                            | x       |  |  |  |
| RLI 900 FC 14                                             | 118752 |  | 3050                                                | x                        |                         | x                          |                            | x       |  |  |  |
| RLI 900 FC 15                                             | 118755 |  | 3050                                                |                          | x                       | x                          |                            | x       |  |  |  |
| RLI 1200 FC 14                                            | 119814 |  | 6840                                                | x                        |                         | x                          |                            | x       |  |  |  |
| RLI 1200 FC 15                                            | 119817 |  | 6840                                                |                          | x                       | x                          |                            | x       |  |  |  |
| RLI 1200 EC 14                                            | 120506 |  | 7080                                                | x                        |                         | x                          |                            | x       |  |  |  |
| RLI 1200 EC 15                                            | 120509 |  | 7080                                                |                          | x                       | x                          |                            | x       |  |  |  |
| RLI 1600 EC 14                                            | 120677 |  | 8440                                                | x                        |                         | x                          |                            | x       |  |  |  |
| RLI 1600 EC 15                                            | 120680 |  | 8440                                                |                          | x                       | x                          |                            | x       |  |  |  |

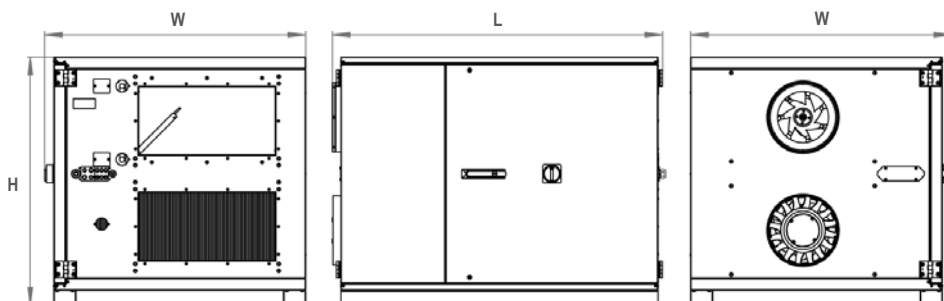
## Legend

PKW = Low Pressure Cold Water (LPCW)  
 PWW = Low Pressure Hot Water (LPHW)  
 DV = DX-Coil  
 ID = Part ID



| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm water | W<br>[mm] | H<br>[mm] | L<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|--------------------|-----------|-----------|-----------|----------------|
| RLI 700 FC 10  | 119036 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 946       | 895       | 1197      | 215,0          |
| RLI 700 FC 11  | 119039 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 946       | 895       | 1197      | 215,0          |
| RLI 900 FC 10  | 118638 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 1146      | 1095      | 1339      | 315,0          |
| RLI 900 FC 11  | 118640 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 1146      | 1095      | 1339      | 315,0          |
| RLI 1200 FC 10 | 119802 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 1446      | 1395      | 1479      | 460,0          |
| RLI 1200 FC 11 | 119805 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 1446      | 1395      | 1479      | 460,0          |
| RLI 1200 EC 10 | 120494 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 1446      | 1395      | 1479      | 470,0          |
| RLI 1200 EC 11 | 120497 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 1446      | 1395      | 1479      | 470,0          |
| RLI 1600 EC 10 | 120665 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 1846      | 1795      | 1479      | 670,0          |
| RLI 1600 EC 11 | 120668 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 1846      | 1795      | 1479      | 670,0          |

- heat recovery unit with heat recovery wheel
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Integrated controls in the unit
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Easy to clean smooth finish design and covered cable routing



| ID 119036 - 119039      |     |    |     |     |     |    |    |    |    | ID 118638 - 118640   |     |     |     |    |    |    |    | ID 119802 - 119805 - 120494 - 120497 |     |     |     |    |    |    |    | ID 120665 - 120668   |     |     |     |    |    |    |    |
|-------------------------|-----|----|-----|-----|-----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|--------------------------------------|-----|-----|-----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|
|                         |     | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| Inlet L <sub>WA5</sub>  |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79 | 55  | 62  | 73  | 72 | 73 | 72 | 67 | 87                   | 67  | 78  | 81  | 82 | 80 | 76 | 67 | 82                                   | 59  | 70  | 75  | 77 | 75 | 72 | 64 | 88                   | 58  | 76  | 81  | 83 | 82 | 81 | 71 |
|                         | 400 | 81 | 63  | 70  | 76  | 76 | 74 | 71 | 66 | 89                   | 69  | 80  | 83  | 84 | 83 | 79 | 72 | 93                                   | 78  | 83  | 87  | 88 | 86 | 82 | 73 | 82                   | 59  | 70  | 75  | 77 | 75 | 72 | 64 |
| Inlet L <sub>WA5</sub>  |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79 | 55  | 62  | 73  | 72 | 73 | 72 | 67 | 70                   | 56  | 61  | 65  | 65 | 62 | 57 | 51 | 67                                   | 50  | 61  | 58  | 61 | 59 | 56 | 44 | 68                   | 46  | 61  | 59  | 63 | 62 | 58 | 43 |
|                         | 400 | 81 | 63  | 70  | 76  | 76 | 74 | 71 | 66 | 73                   | 60  | 64  | 69  | 67 | 63 | 58 | 48 | 70                                   | 63  | 62  | 60  | 64 | 62 | 57 | 47 | 66                   | 44  | 61  | 58  | 61 | 59 | 54 | 41 |
| Outlet L <sub>WA6</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82 | 58  | 64  | 73  | 78 | 76 | 72 | 66 | 74                   | 55  | 63  | 70  | 70 | 66 | 60 | 47 | 69                                   | 47  | 58  | 62  | 65 | 62 | 57 | 48 | 65                   | 45  | 59  | 56  | 60 | 59 | 54 | 38 |
|                         | 400 | 88 | 77  | 78  | 82  | 83 | 79 | 73 | 68 | 76                   | 62  | 64  | 71  | 71 | 67 | 61 | 48 | 75                                   | 66  | 65  | 68  | 70 | 68 | 64 | 50 | 64                   | 43  | 57  | 55  | 59 | 57 | 52 | 36 |
| Outlet L <sub>WA6</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82 | 58  | 64  | 73  | 78 | 76 | 72 | 66 | 92                   | 70  | 78  | 86  | 88 | 85 | 80 | 71 | 92                                   | 73  | 78  | 88  | 88 | 83 | 79 | 69 | 93                   | 62  | 78  | 88  | 88 | 85 | 82 | 73 |
|                         | 400 | 88 | 77  | 78  | 82  | 83 | 79 | 73 | 68 | 94                   | 72  | 81  | 88  | 90 | 87 | 83 | 74 | 97                                   | 80  | 84  | 93  | 92 | 89 | 86 | 77 | 92                   | 73  | 78  | 88  | 88 | 83 | 79 | 69 |
| Casing L <sub>WA2</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 58 | 48  | 47  | 44  | 52 | 51 | 51 | 48 | 52                   | 47  | 47  | 41  | 44 | 42 | 40 | 30 | 68                                   | 52  | 60  | 65  | 62 | 59 | 54 | 40 | 63                   | 49  | 60  | 55  | 53 | 51 | 47 | 32 |
|                         | 400 | 70 | 68  | 62  | 51  | 55 | 56 | 56 | 57 | 56                   | 53  | 49  | 39  | 42 | 46 | 47 | 41 | 69                                   | 52  | 59  | 66  | 61 | 58 | 52 | 40 | 61                   | 46  | 58  | 53  | 52 | 49 | 44 | 33 |

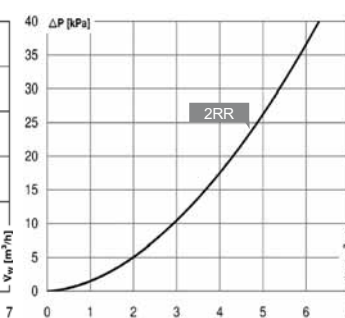
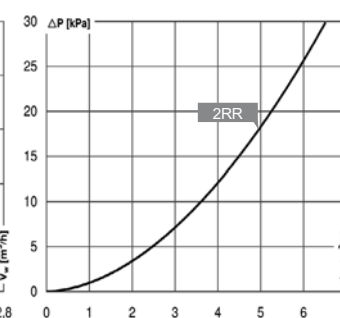
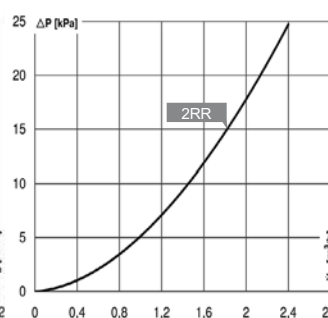
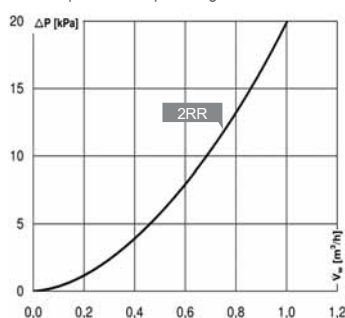
## Heat recovery wheel

| t <sub>Le</sub> Supply | Type RWT 2,0          | Size 700               |                 |      |                 |                 |      | Size 900               |                 |      |                 |                 |      | Size 1200              |                 |      |                 |                 |      | Size 1600              |                 |      |                 |                 |      |
|------------------------|-----------------------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|
|                        |                       | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      |
|                        |                       | 1000 m³/h              |                 |      | 1500 m³/h       |                 |      | 3000 m³/h              |                 |      | 3500 m³/h       |                 |      | 5000 m³/h              |                 |      | 5500 m³/h       |                 |      | 7500 m³/h              |                 |      | 8500 m³/h       |                 |      |
|                        |                       | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    |
| °C                     | %                     | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              |                 |      |
| -20                    | 22 °C 50% Exhaust Air | 14,5                   | 82              | 14,0 | 12,4            | 77              | 20,0 | 11,2                   | 74              | 38,0 | 10,0            | 71              | 43,0 | 10,7                   | 73              | 63,0 | 10,0            | 71              | 67,0 | 12,2                   | 77              | 98,0 | 11,3            | 75              | 108  |
| -15                    |                       | 15,4                   | 82              | 13,0 | 13,5            | 77              | 18,0 | 12,4                   | 74              | 34,0 | 11,4            | 71              | 38,0 | 12,0                   | 73              | 56,0 | 11,4            | 71              | 60,0 | 13,3                   | 76              | 88,0 | 12,5            | 74              | 97,0 |
| -10                    |                       | 16,2                   | 82              | 11,0 | 14,5            | 77              | 15,0 | 13,6                   | 74              | 30,0 | 12,7            | 71              | 33,0 | 13,3                   | 73              | 49,0 | 12,7            | 71              | 52,0 | 14,4                   | 76              | 77,0 | 13,7            | 74              | 85,0 |
| -5                     |                       | 17,1                   | 82              | 9,0  | 15,7            | 76              | 13,0 | 14,8                   | 73              | 25,0 | 14,1            | 71              | 28,0 | 14,6                   | 72              | 42,0 | 14,1            | 71              | 45,0 | 15,5                   | 76              | 65,0 | 15,0            | 74              | 72,0 |

## Heating coil LPHW

| t <sub>w</sub> Water | t <sub>Le</sub> Air in | Air volume 700   |    |                 |    | Size 900               |    |                 |    | Size 1200              |    |                 |    | Size 1600              |     |                 |     |
|----------------------|------------------------|------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|-----|-----------------|-----|
|                      |                        | Size $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |     |                 |     |
|                      |                        | 1000 m³/h        |    | 1500 m³/h       |    | 3000 m³/h              |    | 3500 m³/h       |    | 5000 m³/h              |    | 5500 m³/h       |    | 7500 m³/h              |     | 8500 m³/h       |     |
|                      |                        | 2RR              |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |     | 2RR             |     |
|                      |                        | t <sub>La</sub>  | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q   | t <sub>La</sub> | Q   |
| °C                   |                        | °C               | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW  | °C              | kW  |
| 60 - 40              | +5                     | 31               | 9  | 27              | 12 | 28                     | 24 | 27              | 27 | 26                     | 37 | 25              | 40 | 30                     | 68  | 29              | 73  |
|                      | +10                    | 32               | 8  | 30              | 10 | 30                     | 21 | 29              | 23 | 28                     | 32 | 30              | 28 | 32                     | 58  | 31              | 64  |
| 70 - 50              | +5                     | 38               | 12 | 34              | 15 | 34                     | 31 | 33              | 35 | 32                     | 48 | 31              | 52 | 37                     | 85  | 36              | 93  |
|                      | +10                    | 39               | 10 | 36              | 14 | 37                     | 28 | 35              | 31 | 35                     | 43 | 34              | 46 | 39                     | 76  | 38              | 83  |
| 80 - 60              | +5                     | 45               | 14 | 40              | 18 | 41                     | 38 | 39              | 42 | 39                     | 60 | 37              | 63 | 44                     | 103 | 42              | 112 |
|                      | +10                    | 46               | 13 | 42              | 17 | 43                     | 35 | 41              | 38 | 41                     | 54 | 40              | 57 | 46                     | 94  | 44              | 102 |
| 82 - 71              | +5                     | 51               | 16 | 45              | 21 | 46                     | 44 | 44              | 49 | 45                     | 70 | 43              | 75 | 49                     | 118 | 48              | 128 |
|                      | +10                    | 53               | 15 | 47              | 20 | 49                     | 41 | 47              | 45 | 47                     | 64 | 46              | 68 | 51                     | 108 | 50              | 118 |
| 110 - 70             | +5                     | 55               | 18 | 49              | 23 | 50                     | 48 | 48              | 53 | 47                     | 74 | 45              | 79 | 54                     | 131 | 52              | 142 |
|                      | +10                    | 57               | 19 | 51              | 22 | 52                     | 44 | 50              | 49 | 49                     | 68 | 48              | 73 | 56                     | 121 | 54              | 132 |

## Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L * (t_{La} - t_{Le}) * 1,22 / 3600$  [kW]  
 Water volume  $\dot{V}_W = Q * 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}$ ;  $t_{Le} / t_{La} = -15/25^\circ\text{C}$ ;  $t_{We} / t_{Wa} = 70/50^\circ\text{C}$

$Q = 3.000 * 40 * 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 * 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$

## Legend

- f = Frequency [Hz]
- I<sub>max</sub> = Max. operating current [A]
- LWA2 = Casing - sound power level [dB (A)]
- LWA5 = Inlet - sound power level [dB (A)]
- LWA6 = Outlet - sound power level [dB (A)]
- η<sub>Tt</sub> = Efficiency Heat Exchanger
- Temperature [%]
- P<sub>1</sub> = Rated power [W]
- Q = Heating Capacity [kW]
- RR = Number of rows
- t<sub>La</sub> = Air out temperature [°C]
- t<sub>Le</sub> = Air in temperature [°C]
- t<sub>We</sub> = Water in temperature [°C]
- t<sub>Wa</sub> = Water out temperature [°C]
- t<sub>W</sub> = Water Temperature [°C]
- U = Voltage [V]
- $\dot{V}_L$  = Air volume referred to 20 °C [m³/h]
- $\dot{V}_W$  = Water volume [m³/h]
- ΔP<sub>stat</sub> = Static pressure increase [Pa]
- ID = Part ID



**Specific Accessories**  
 For details see page: 150

## RLI ROTOLINE, AHU with heat recovery wheel

| <b>RLI 700 FC 10</b><br>ID 119036<br><br>400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br><br>Connection side right | <b>RLI 900 FC 10</b><br>ID 118638<br><br>400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br><br>Connection side right | <b>RLI 1200 FC 10</b><br>ID 119802<br><br>400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br><br>Connection side right | <b>RLI 1200 EC 10</b><br>ID 120494<br><br>400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/71 db(A)<br><br>Connection side right | <b>RLI 1600 EC 10</b><br>ID 120665<br><br>400V 3~N/50Hz 40 °C<br>9750 m³/h 3.800 W<br>7,0 A 71/- db(A)<br><br>Connection side right    | MWR. |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>RLI 700 FC 11</b><br>ID 119039<br><br>400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br><br>Connection side left  | <b>RLI 900 FC 11</b><br>ID 118640<br><br>400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br><br>Connection side left  | <b>RLI 1200 FC 11</b><br>ID 119805<br><br>400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br><br>Connection side left  | <b>RLI 1200 EC 11</b><br>ID 120497<br><br>400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/71 db(A)<br><br>Connection side left  | <b>RLI 1600 EC 11</b><br>ID 120668<br><br>400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/61 db(A)<br><br>Connection side left | MWR. |



**Transition**  
 rectangular/round duct



**Fast Clamps**  
 1 set = 2 pcs.



**Duct Silencer**  
 rigid, 1 m



**Duct Silencer**  
 flexibel, 1 m



**Replacement Filter**



**Replacement Filter**



**Three way ball valve**

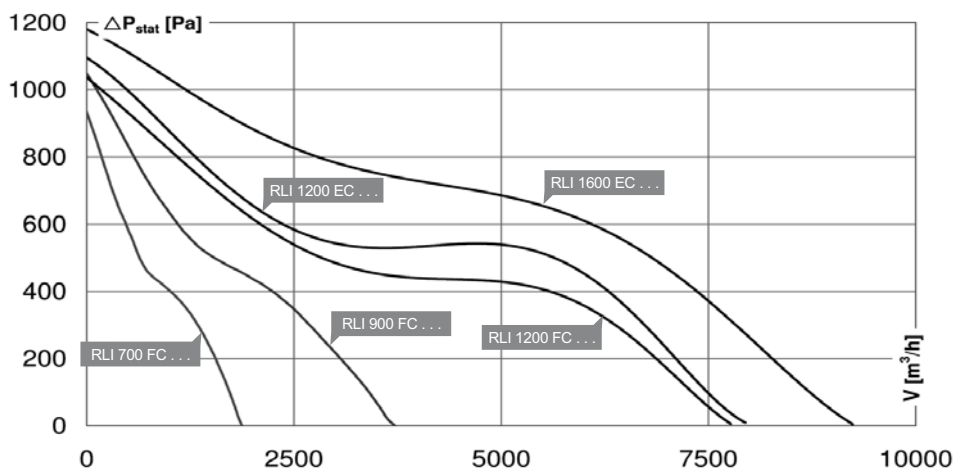


**Three way ball valve**



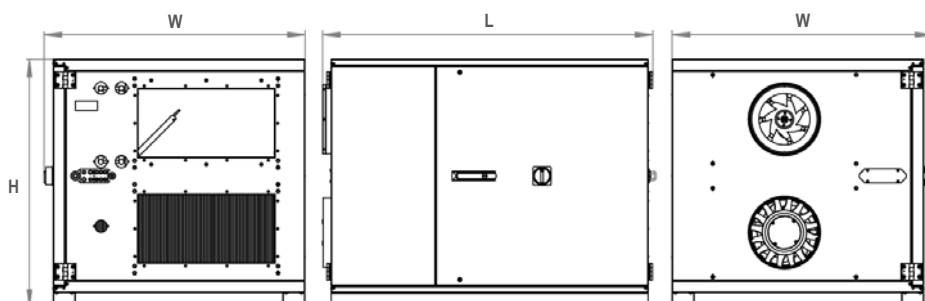
**Rain Cover**

|                                 |                                 |                                 |                                 |                                 |         |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|
| <b>UKR 5025 02</b><br>ID 119718 | <b>UKR 6030 01</b><br>ID 113591 | <b>UKR 8050 02</b><br>ID 118052 | <b>UKR 8050 02</b><br>ID 118052 |                                 | MYMKU.  |
| <b>VM 250</b><br>ID 102651      | <b>VM 355</b><br>ID 102653      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | MYMRV.  |
| <b>SDS 250</b><br>ID 102721     | <b>SDS 355</b><br>ID 102725     | <b>SDS 500</b><br>ID 118834     | <b>SDS 500</b><br>ID 118834     |                                 | MYMRDS. |
| <b>SDF 250</b><br>ID 102705     | <b>SDF 355</b><br>ID 102707     |                                 |                                 |                                 | MYMRDF. |
| <b>LFP 17 F5</b><br>ID 119032   | <b>LFP 25 F5</b><br>ID 112169   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 27 F5</b><br>ID 120223   | MYMEP.  |
| <b>LFP 17 F7</b><br>ID 119033   | <b>LFP 25 F7</b><br>ID 112170   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 27 F7</b><br>ID 120224   | MYMEP.  |
| <b>STK 02</b><br>ID 112935      | <b>STK 02</b><br>ID 112935      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | MYSLS.  |
| <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | MYSLS.  |
| <b>RD RLI 700</b><br>ID 121628  | <b>RD RLI 900</b><br>ID 121552  | <b>RD RLI 1200</b><br>ID 121754 | <b>RD RLI 1200</b><br>ID 121754 | <b>RD RLI 1600</b><br>ID 122214 | MYMWR.  |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |



| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm water | Rows<br>Cooling coil | W<br>[mm] | H<br>[mm] | L<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|--------------------|----------------------|-----------|-----------|-----------|----------------|
| RLI 700 FC 12  | 119042 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3                    | 946       | 895       | 1197      | 220,0          |
| RLI 700 FC 13  | 119045 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3                    | 946       | 895       | 1197      | 220,0          |
| RLI 900 FC 12  | 118727 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3                    | 1146      | 1095      | 1339      | 330,0          |
| RLI 900 FC 13  | 118742 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3                    | 1146      | 1095      | 1339      | 330,0          |
| RLI 1200 FC 12 | 119808 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3                    | 1446      | 1395      | 1479      | 480,0          |
| RLI 1200 FC 13 | 119811 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3                    | 1446      | 1395      | 1479      | 480,0          |
| RLI 1200 EC 12 | 120500 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3                    | 1446      | 1395      | 1479      | 490,0          |
| RLI 1200 EC 13 | 120503 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3                    | 1446      | 1395      | 1479      | 490,0          |
| RLI 1600 EC 12 | 120671 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3                    | 1846      | 1795      | 1479      | 700,0          |
| RLI 1600 EC 13 | 120674 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3                    | 1846      | 1795      | 1479      | 700,0          |

- heat recovery unit with heat recovery wheel
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Integrated controls in the unit
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Cooling coil, DX coil (optional)
- Easy to clean smooth finish design and covered cable routing



| ID 119042 - 119045      |     |     |     |     |    |    |    |    | ID 118727 - 118742   |     |     |     |    |    |    |    |    | ID 119808 - 119811 - 120500 - 120503 |     |     |    |    |    |    |    |     | ID 120671 - 120674   |     |    |    |    |    |    |  |  |
|-------------------------|-----|-----|-----|-----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|----|--------------------------------------|-----|-----|----|----|----|----|----|-----|----------------------|-----|----|----|----|----|----|--|--|
|                         | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ  | 125                                  | 250 | 500 | 1k | 2k | 4k | 8k | Σ  | 125 | 250                  | 500 | 1k | 2k | 4k | 8k |    |  |  |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    | Sound power [dB (A)]                 |     |     |    |    |    |    |    |     | Sound power [dB (A)] |     |    |    |    |    |    |  |  |
| P <sub>st</sub> [Pa]    | 250 | 79  | 55  | 62  | 73 | 72 | 73 | 72 | 67                   | 87  | 67  | 78  | 81 | 82 | 80 | 76 | 67 | 82                                   | 59  | 70  | 75 | 77 | 75 | 72 | 64 | 88  | 58                   | 76  | 81 | 83 | 82 | 81 | 71 |  |  |
|                         | 400 | 81  | 63  | 70  | 76 | 76 | 74 | 71 | 66                   | 89  | 69  | 80  | 83 | 84 | 83 | 79 | 72 | 93                                   | 78  | 83  | 87 | 88 | 86 | 82 | 73 | 82  | 59                   | 70  | 75 | 77 | 75 | 72 | 64 |  |  |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    | Sound power [dB (A)]                 |     |     |    |    |    |    |    |     | Sound power [dB (A)] |     |    |    |    |    |    |  |  |
| P <sub>st</sub> [Pa]    | 250 | 79  | 55  | 62  | 73 | 72 | 73 | 72 | 67                   | 70  | 56  | 61  | 65 | 65 | 62 | 57 | 51 | 67                                   | 50  | 61  | 58 | 61 | 59 | 56 | 44 | 68  | 46                   | 61  | 59 | 63 | 62 | 58 | 43 |  |  |
|                         | 400 | 81  | 63  | 70  | 76 | 76 | 74 | 71 | 66                   | 73  | 60  | 64  | 69 | 67 | 63 | 58 | 48 | 70                                   | 63  | 62  | 60 | 64 | 62 | 57 | 47 | 66  | 44                   | 61  | 58 | 61 | 59 | 54 | 41 |  |  |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    | Sound power [dB (A)]                 |     |     |    |    |    |    |    |     | Sound power [dB (A)] |     |    |    |    |    |    |  |  |
| P <sub>st</sub> [Pa]    | 250 | 82  | 58  | 64  | 73 | 78 | 76 | 72 | 66                   | 74  | 55  | 63  | 70 | 70 | 66 | 60 | 47 | 69                                   | 47  | 58  | 62 | 65 | 62 | 57 | 48 | 65  | 45                   | 59  | 56 | 60 | 59 | 54 | 38 |  |  |
|                         | 400 | 88  | 77  | 78  | 82 | 83 | 79 | 73 | 68                   | 76  | 62  | 64  | 71 | 71 | 67 | 61 | 48 | 75                                   | 66  | 65  | 68 | 70 | 68 | 64 | 50 | 64  | 43                   | 57  | 55 | 59 | 57 | 52 | 36 |  |  |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    | Sound power [dB (A)]                 |     |     |    |    |    |    |    |     | Sound power [dB (A)] |     |    |    |    |    |    |  |  |
| P <sub>st</sub> [Pa]    | 250 | 82  | 58  | 64  | 73 | 78 | 76 | 72 | 66                   | 92  | 70  | 78  | 86 | 88 | 85 | 80 | 71 | 92                                   | 73  | 78  | 88 | 88 | 83 | 79 | 69 | 93  | 62                   | 78  | 88 | 88 | 85 | 82 | 73 |  |  |
|                         | 400 | 88  | 77  | 78  | 82 | 83 | 79 | 73 | 68                   | 94  | 72  | 81  | 88 | 90 | 87 | 83 | 74 | 97                                   | 80  | 84  | 93 | 92 | 89 | 86 | 77 | 92  | 73                   | 78  | 88 | 88 | 83 | 79 | 69 |  |  |
| Casing L <sub>WA2</sub> |     |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    | Sound power [dB (A)]                 |     |     |    |    |    |    |    |     | Sound power [dB (A)] |     |    |    |    |    |    |  |  |
| P <sub>st</sub> [Pa]    | 250 | 58  | 48  | 47  | 44 | 52 | 51 | 51 | 48                   | 52  | 47  | 47  | 41 | 44 | 42 | 40 | 30 | 68                                   | 52  | 60  | 65 | 62 | 59 | 54 | 40 | 63  | 49                   | 60  | 55 | 53 | 51 | 47 | 32 |  |  |
|                         | 400 | 70  | 68  | 62  | 51 | 55 | 56 | 56 | 57                   | 56  | 53  | 49  | 39 | 42 | 46 | 47 | 41 | 69                                   | 52  | 59  | 66 | 61 | 58 | 52 | 40 | 61  | 46                   | 58  | 53 | 52 | 49 | 44 | 33 |  |  |



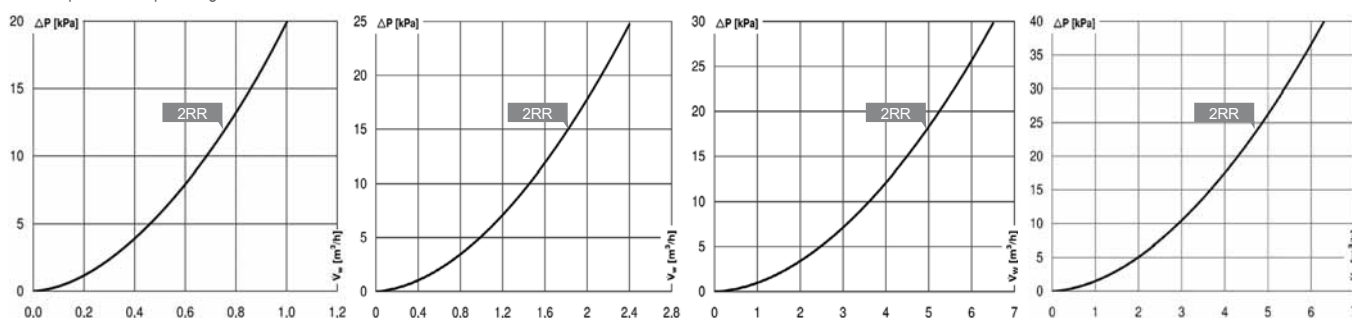
Heat recovery wheel

| t <sub>Le</sub> Supply | Type RWT 2,0<br>22 °C 50%<br>Exhaust Air | Size 700<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Size 900<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Size 1200<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Size 1600<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      |
|------------------------|------------------------------------------|------------------------------------|-----------------|------|-----------------|-----------------|------|------------------------------------|-----------------|------|-----------------|-----------------|------|-------------------------------------|-----------------|------|-----------------|-----------------|------|-------------------------------------|-----------------|------|-----------------|-----------------|------|
|                        |                                          | 1000 m³/h                          |                 |      | 1500 m³/h       |                 |      | 3000 m³/h                          |                 |      | 3500 m³/h       |                 |      | 5000 m³/h                           |                 |      | 5500 m³/h       |                 |      | 7500 m³/h                           |                 |      | 8500 m³/h       |                 |      |
|                        |                                          | t <sub>La</sub>                    | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>                    | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>                     | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>                     | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    |
|                        |                                          | °C                                 | %               | kW   | °C              | %               | kW   | °C                                 | %               | kW   | °C              | %               | kW   | °C                                  | %               | kW   | °C              | %               | kW   | °C                                  | %               | kW   | °C              | %               | kW   |
| -20                    |                                          | 14,5                               | 82              | 14,0 | 12,4            | 77              | 20,0 | 11,2                               | 74              | 38,0 | 10,0            | 71              | 43,0 | 10,7                                | 73              | 63,0 | 10,0            | 71              | 67,0 | 12,2                                | 77              | 98,0 | 11,3            | 75              | 108  |
| -15                    |                                          | 15,4                               | 82              | 13,0 | 13,5            | 77              | 18,0 | 12,4                               | 74              | 34,0 | 11,4            | 71              | 38,0 | 12,0                                | 73              | 56,0 | 11,4            | 71              | 60,0 | 13,3                                | 76              | 88,0 | 12,5            | 74              | 97,0 |
| -10                    |                                          | 16,2                               | 82              | 11,0 | 14,5            | 77              | 15,0 | 13,6                               | 74              | 30,0 | 12,7            | 71              | 33,0 | 13,3                                | 73              | 49,0 | 12,7            | 71              | 52,0 | 14,4                                | 76              | 77,0 | 13,7            | 74              | 85,0 |
| -5                     |                                          | 17,1                               | 82              | 9,0  | 15,7            | 76              | 13,0 | 14,8                               | 73              | 25,0 | 14,1            | 71              | 28,0 | 14,6                                | 72              | 42,0 | 14,1            | 71              | 45,0 | 15,5                                | 76              | 65,0 | 15,0            | 74              | 72,0 |

Heating coil LPHW

| t <sub>w</sub> Water | t <sub>Le</sub> Air in | Air volume 700   |    |                 |    | Size 900               |    |                 |    | Size 1200              |    |                 |    | Size 1600              |     |                 |     |
|----------------------|------------------------|------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|-----|-----------------|-----|
|                      |                        | Size $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |     |                 |     |
|                      |                        | 1000 m³/h        |    | 1500 m³/h       |    | 3000 m³/h              |    | 3500 m³/h       |    | 5000 m³/h              |    | 5500 m³/h       |    | 7500 m³/h              |     | 8500 m³/h       |     |
|                      |                        | 2RR              |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |     | 2RR             |     |
|                      |                        | t <sub>La</sub>  | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q   | t <sub>La</sub> | Q   |
|                      |                        | °C               | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW  | °C              | kW  |
| 60 - 40              | +5                     | 31               | 9  | 27              | 12 | 28                     | 24 | 27              | 27 | 26                     | 37 | 25              | 40 | 30                     | 68  | 29              | 73  |
|                      | +10                    | 32               | 8  | 30              | 10 | 30                     | 21 | 29              | 23 | 28                     | 32 | 30              | 28 | 32                     | 58  | 31              | 64  |
| 70 - 50              | +5                     | 38               | 12 | 34              | 15 | 34                     | 31 | 33              | 35 | 32                     | 48 | 31              | 52 | 37                     | 85  | 36              | 93  |
|                      | +10                    | 39               | 10 | 36              | 14 | 37                     | 28 | 35              | 31 | 35                     | 43 | 34              | 46 | 39                     | 76  | 38              | 83  |
| 80 - 60              | +5                     | 45               | 14 | 40              | 18 | 41                     | 38 | 39              | 42 | 39                     | 60 | 37              | 63 | 44                     | 103 | 42              | 112 |
|                      | +10                    | 46               | 13 | 42              | 17 | 43                     | 35 | 41              | 38 | 41                     | 54 | 40              | 57 | 46                     | 94  | 44              | 102 |
| 82 - 71              | +5                     | 51               | 16 | 45              | 21 | 46                     | 44 | 44              | 49 | 45                     | 70 | 43              | 75 | 49                     | 118 | 48              | 128 |
|                      | +10                    | 53               | 15 | 47              | 20 | 49                     | 41 | 47              | 45 | 47                     | 64 | 46              | 68 | 51                     | 108 | 50              | 118 |
| 110 - 70             | +5                     | 55               | 18 | 49              | 23 | 50                     | 48 | 48              | 53 | 47                     | 74 | 45              | 79 | 54                     | 131 | 52              | 142 |
|                      | +10                    | 57               | 19 | 51              | 22 | 52                     | 44 | 50              | 49 | 49                     | 68 | 48              | 73 | 56                     | 121 | 54              | 132 |

Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L * (t_{La} - t_{Le}) * 1,22 / 3600$  [kW]  
Water volume  $\dot{V}_W = Q * 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}$ ;  $t_{Le} / t_{La} = -15/25^\circ\text{C}$ ;  $t_{We} / t_{Wa} = 70/50^\circ\text{C}$

$Q = 3.000 * 40 * 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 * 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$

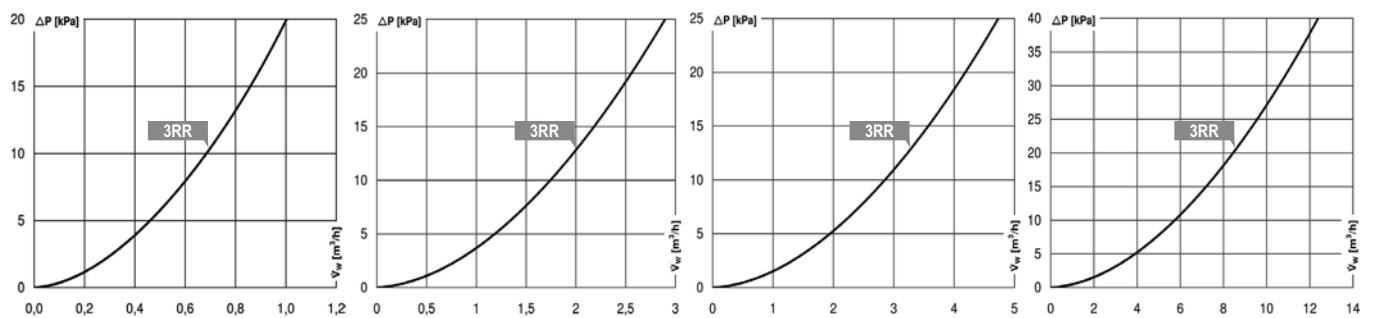
Legend

f = Frequency [Hz]  
I<sub>max</sub> = Max. operating current [A]  
L<sub>WA2</sub> = Casing - sound power level [dB (A)]  
L<sub>WA5</sub> = Inlet - sound power level [dB (A)]  
L<sub>WA6</sub> = Outlet - sound power level [dB (A)]  
η<sub>Tt</sub> = Efficiency Heat Exchanger  
Temperature [%]  
P<sub>1</sub> = Rated power [W]  
Q = Heating Capacity [kW]  
RR = Number of rows  
t<sub>La</sub> = Air out temperature [°C]  
t<sub>Le</sub> = Air in temperature [°C]  
t<sub>We</sub> = Water in temperature [°C]  
t<sub>Wa</sub> = Water out temperature [°C]  
t<sub>w</sub> = Water Temperature [°C]  
U = Voltage [V]  
V<sub>L</sub> = Air volume referred to 20 °C [m³/h]  
V<sub>W</sub> = Water volume [m³/h]  
ΔP<sub>stat</sub> = Static pressure increase [Pa]  
ID = Part ID

Cooling coil LPCW (Low Pressure Cold Water)

| $t_{e, \text{Water}}$ | $t_{e, \text{Air in}}$ | Size 700               |    |           |    | Size 900               |    |           |    | Size 1200              |    |           |    | Size 1600              |    |           |    |
|-----------------------|------------------------|------------------------|----|-----------|----|------------------------|----|-----------|----|------------------------|----|-----------|----|------------------------|----|-----------|----|
|                       |                        | Air volume $\dot{V}_L$ |    |           |    | Air volume $\dot{V}_L$ |    |           |    | Air volume $\dot{V}_L$ |    |           |    | Air volume $\dot{V}_L$ |    |           |    |
|                       |                        | 1000 m³/h              |    | 1500 m³/h |    | 3000 m³/h              |    | 3500 m³/h |    | 5000 m³/h              |    | 5500 m³/h |    | 7500 m³/h              |    | 8500 m³/h |    |
|                       |                        | 3RR                    |    | 3RR       |    | 3RR                    |    | 3RR       |    | 3RR                    |    | 3RR       |    | 3RR                    |    | 3RR       |    |
|                       |                        | $t_{La}$               | Q  | $t_{La}$  | Q  | $t_{La}$               | Q  | $t_{La}$  | Q  | $t_{La}$               | Q  | $t_{La}$  | Q  | $t_{La}$               | Q  | $t_{La}$  | Q  |
| 6 - 12 °C             | 32 °C 40 % r. H.       | °C                     | kW | °C        | kW | °C                     | kW | °C        | kW | °C                     | kW | °C        | kW | °C                     | kW | °C        | kW |
|                       |                        | 17                     | 6  | 19        | 8  | 19                     | 17 | 20        | 19 | 18                     | 30 | 19        | 33 | 17                     | 50 | 18        | 55 |

Medium pressure drop cooling coil



## Legend

- Q = Heating Capacity [kW]
- r. F. = Relative humidity [%]
- RR = Number of rows
- $t_{La}$  = Air out temperature [°C]
- $t_{Le}$  = Air in temperature [°C]
- $\dot{V}_L$  = Air volume referred to 20 °C [m³/h]
- $\Delta P_{stat.}$  = Static pressure increase [Pa]
- ID = Part ID



**Specific Accessories**  
 For details see page: 150

## RLI ROTOLINE, AHU with heat recovery wheel

| <b>RLI 700 FC 12</b><br>ID 119042<br><br>400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br><br>Connection side right | <b>RLI 900 FC 12</b><br>ID 118727<br><br>400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br><br>Connection side right | <b>RLI 1200 FC 12</b><br>ID 119808<br><br>400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br><br>Connection side left | <b>RLI 1200 EC 12</b><br>ID 120500<br><br>400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/71 db(A)<br><br>Connection side right | <b>RLI 1600 EC 12</b><br>ID 120671<br><br>400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>7,0 A 93/71/61 db(A)<br><br>Connection side right | MWR. |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>RLI 700 FC 13</b><br>ID 119045<br><br>400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br><br>Connection side left  | <b>RLI 900 FC 13</b><br>ID 118742<br><br>400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br><br>Connection side left  | <b>RLI 1200 FC 13</b><br>ID 119811<br><br>400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br><br>Connection side left | <b>RLI 1200 EC 13</b><br>ID 120503<br><br>400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/71 db(A)<br><br>Connection side left  | <b>RLI 1600 EC 13</b><br>ID 120674<br><br>400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/61 db(A)<br><br>Connection side left  | MWR. |



**Transition**  
 rectangular/round duct



**Fast Clamps**  
 1 set = 2 pcs.



**Duct Silencer**  
 rigid, 1 m



**Duct Silencer**  
 flexibel, 1 m



**Replacement Filter**



**Replacement Filter**



**Three way ball valve**

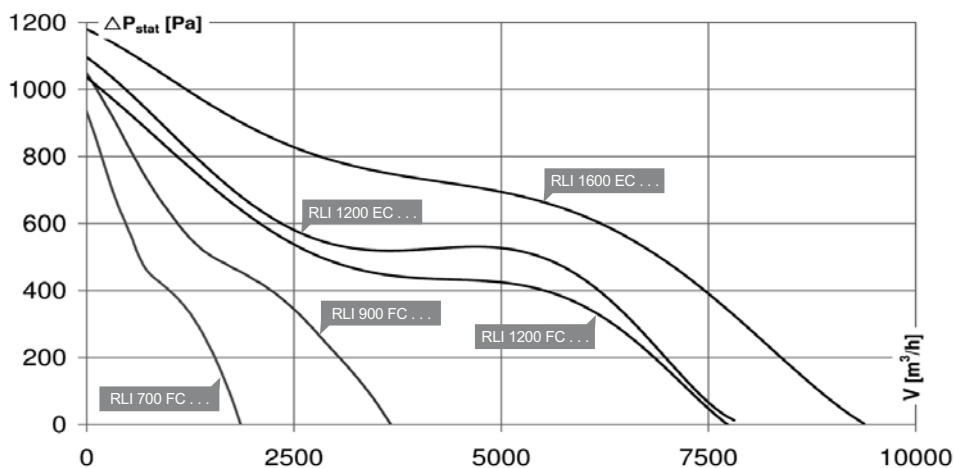


**Three way ball valve**



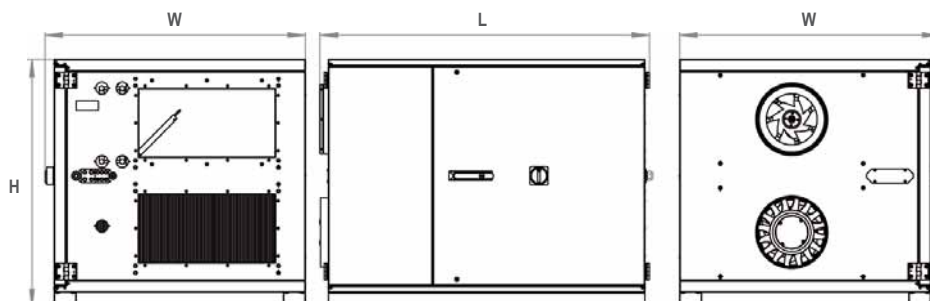
**Rain Cover**

|                                 |                                 |                                 |                                 |                                 |         |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|
| <b>UKR 5025 02</b><br>ID 119718 | <b>UKR 6030 01</b><br>ID 113591 | <b>UKR 8050 02</b><br>ID 118052 | <b>UKR 8050 02</b><br>ID 118052 |                                 | MYMKU.  |
| <b>VM 250</b><br>ID 102651      | <b>VM 355</b><br>ID 102653      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | MYMRV.  |
| <b>SDS 250</b><br>ID 102721     | <b>SDS 355</b><br>ID 102725     | <b>SDS 500</b><br>ID 118834     | <b>SDS 500</b><br>ID 118834     |                                 | MYMRDS. |
| <b>SDF 250</b><br>ID 102705     | <b>SDF 355</b><br>ID 102707     |                                 |                                 |                                 | MYMRDF. |
| <b>LFP 17 F5</b><br>ID 119032   | <b>LFP 25 F5</b><br>ID 112169   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 27 F5</b><br>ID 120223   | MYMEP.  |
| <b>LFP 17 F7</b><br>ID 119033   | <b>LFP 25 F7</b><br>ID 112170   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 27 F7</b><br>ID 120224   | MYMEP.  |
| <b>STK 02</b><br>ID 112935      | <b>STK 02</b><br>ID 112935      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | MYSLS.  |
| <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | MYSLS.  |
| <b>RD RLI 700</b><br>ID 121628  | <b>RD RLI 900</b><br>ID 121552  | <b>RD RLI 1200</b><br>ID 121754 | <b>RD RLI 1200</b><br>ID 121754 | <b>RD RLI 1600</b><br>ID 122214 | MYMWR.  |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |



| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm water | Rows<br>DX-Coil | W<br>[mm] | H<br>[mm] | L<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|--------------------|-----------------|-----------|-----------|-----------|----------------|
| RLI 700 FC 14  | 119048 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3               | 946       | 895       | 1197      | 220,0          |
| RLI 700 FC 15  | 119051 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3               | 946       | 895       | 1197      | 220,0          |
| RLI 900 FC 14  | 118752 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3               | 1146      | 1095      | 1339      | 330,0          |
| RLI 900 FC 15  | 118755 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3               | 1146      | 1095      | 1339      | 330,0          |
| RLI 1200 FC 14 | 119814 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3               | 1446      | 1395      | 1479      | 480,0          |
| RLI 1200 FC 15 | 119817 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3               | 1446      | 1395      | 1479      | 480,0          |
| RLI 1200 EC 14 | 120506 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3               | 1446      | 1395      | 1479      | 490,0          |
| RLI 1200 EC 15 | 120509 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3               | 1446      | 1395      | 1479      | 490,0          |
| RLI 1600 EC 14 | 120677 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3               | 1846      | 1795      | 1479      | 700,0          |
| RLI 1600 EC 15 | 120680 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3               | 1846      | 1795      | 1479      | 700,0          |

- heat recovery unit with heat recovery wheel
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Integrated controls in the unit
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Cooling coil, DX coil (optional)
- Easy to clean smooth finish design and covered cable routing



| ID 119048 - 118751      |     |    |     |     |     |    |    |    |    | ID 118752 - 118755   |     |     |     |    |    |    |    |    |     | ID 119814 - 119817 - 120506 - 120509 |     |    |    |    |    |    |     |     |     | ID 120677 - 120680   |    |    |    |  |  |  |  |  |  |
|-------------------------|-----|----|-----|-----|-----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|----|-----|--------------------------------------|-----|----|----|----|----|----|-----|-----|-----|----------------------|----|----|----|--|--|--|--|--|--|
|                         |     | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ  | 125 | 250                                  | 500 | 1k | 2k | 4k | 8k | Σ  | 125 | 250 | 500 | 1k                   | 2k | 4k | 8k |  |  |  |  |  |  |
| Inlet L <sub>WA5</sub>  |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    |     | Sound power [dB (A)]                 |     |    |    |    |    |    |     |     |     | Sound power [dB (A)] |    |    |    |  |  |  |  |  |  |
| P <sub>st</sub> [Pa]    | 250 | 79 | 55  | 62  | 73  | 72 | 73 | 72 | 67 | 87                   | 67  | 78  | 81  | 82 | 80 | 76 | 67 | 82 | 59  | 70                                   | 75  | 77 | 75 | 72 | 64 | 88 | 58  | 76  | 81  | 83                   | 82 | 81 | 71 |  |  |  |  |  |  |
|                         | 400 | 81 | 63  | 70  | 76  | 76 | 74 | 71 | 66 | 89                   | 69  | 80  | 83  | 84 | 83 | 79 | 72 | 93 | 78  | 83                                   | 87  | 88 | 86 | 82 | 73 | 82 | 59  | 70  | 75  | 77                   | 75 | 72 | 64 |  |  |  |  |  |  |
| Inlet L <sub>WA5</sub>  |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    |     | Sound power [dB (A)]                 |     |    |    |    |    |    |     |     |     | Sound power [dB (A)] |    |    |    |  |  |  |  |  |  |
| P <sub>st</sub> [Pa]    | 250 | 79 | 55  | 62  | 73  | 72 | 73 | 72 | 67 | 70                   | 56  | 61  | 65  | 65 | 62 | 57 | 51 | 67 | 50  | 61                                   | 58  | 61 | 59 | 56 | 44 | 68 | 46  | 61  | 59  | 63                   | 62 | 58 | 43 |  |  |  |  |  |  |
|                         | 400 | 81 | 63  | 70  | 76  | 76 | 74 | 71 | 66 | 73                   | 60  | 64  | 69  | 67 | 63 | 58 | 48 | 70 | 63  | 62                                   | 60  | 64 | 62 | 57 | 47 | 66 | 44  | 61  | 58  | 61                   | 59 | 54 | 41 |  |  |  |  |  |  |
| Outlet L <sub>WA6</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    |     | Sound power [dB (A)]                 |     |    |    |    |    |    |     |     |     | Sound power [dB (A)] |    |    |    |  |  |  |  |  |  |
| P <sub>st</sub> [Pa]    | 250 | 82 | 58  | 64  | 73  | 78 | 76 | 72 | 66 | 74                   | 55  | 63  | 70  | 70 | 66 | 60 | 47 | 69 | 47  | 58                                   | 62  | 65 | 62 | 57 | 48 | 65 | 45  | 59  | 56  | 60                   | 59 | 54 | 38 |  |  |  |  |  |  |
|                         | 400 | 88 | 77  | 78  | 82  | 83 | 79 | 73 | 68 | 76                   | 62  | 64  | 71  | 71 | 67 | 61 | 48 | 75 | 66  | 65                                   | 68  | 70 | 68 | 64 | 50 | 64 | 43  | 57  | 55  | 59                   | 57 | 52 | 36 |  |  |  |  |  |  |
| Outlet L <sub>WA6</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    |     | Sound power [dB (A)]                 |     |    |    |    |    |    |     |     |     | Sound power [dB (A)] |    |    |    |  |  |  |  |  |  |
| P <sub>st</sub> [Pa]    | 250 | 82 | 58  | 64  | 73  | 78 | 76 | 72 | 66 | 92                   | 70  | 78  | 86  | 88 | 85 | 80 | 71 | 92 | 73  | 78                                   | 88  | 88 | 83 | 79 | 69 | 93 | 62  | 78  | 88  | 88                   | 85 | 82 | 73 |  |  |  |  |  |  |
|                         | 400 | 88 | 77  | 78  | 82  | 83 | 79 | 73 | 68 | 94                   | 72  | 81  | 88  | 90 | 87 | 83 | 74 | 97 | 80  | 84                                   | 93  | 92 | 89 | 86 | 77 | 92 | 73  | 78  | 88  | 88                   | 83 | 79 | 69 |  |  |  |  |  |  |
| Casing L <sub>WA2</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |    |     | Sound power [dB (A)]                 |     |    |    |    |    |    |     |     |     | Sound power [dB (A)] |    |    |    |  |  |  |  |  |  |
| P <sub>st</sub> [Pa]    | 250 | 58 | 48  | 47  | 44  | 52 | 51 | 51 | 48 | 52                   | 47  | 47  | 41  | 44 | 42 | 40 | 30 | 68 | 52  | 60                                   | 65  | 62 | 59 | 54 | 40 | 63 | 49  | 60  | 55  | 53                   | 51 | 47 | 32 |  |  |  |  |  |  |
|                         | 400 | 70 | 68  | 62  | 51  | 55 | 56 | 56 | 57 | 56                   | 53  | 49  | 39  | 42 | 46 | 47 | 41 | 69 | 52  | 59                                   | 66  | 61 | 58 | 52 | 40 | 61 | 46  | 58  | 53  | 52                   | 49 | 44 | 33 |  |  |  |  |  |  |

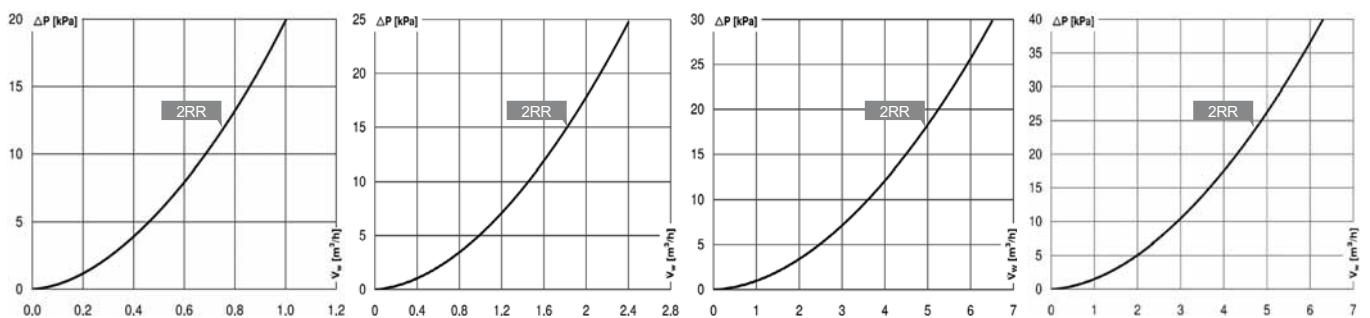
Heat recovery wheel

| t <sub>Le</sub> Supply | Type RWT 2,0<br>22 °C 50%<br>Exhaust Air | Size 700<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Size 900<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Size 1200<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Size 1600<br>Air volume $\dot{V}_L$ |                 |      |                 |                 |      |
|------------------------|------------------------------------------|------------------------------------|-----------------|------|-----------------|-----------------|------|------------------------------------|-----------------|------|-----------------|-----------------|------|-------------------------------------|-----------------|------|-----------------|-----------------|------|-------------------------------------|-----------------|------|-----------------|-----------------|------|
|                        |                                          | 1000 m³/h                          |                 |      | 1500 m³/h       |                 |      | 3000 m³/h                          |                 |      | 3500 m³/h       |                 |      | 5000 m³/h                           |                 |      | 5500 m³/h       |                 |      | 7500 m³/h                           |                 |      | 8500 m³/h       |                 |      |
|                        |                                          | t <sub>La</sub>                    | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>                    | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>                     | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>                     | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    |
|                        |                                          | °C                                 | %               | kW   | °C              | %               | kW   | °C                                 | %               | kW   | °C              | %               | kW   | °C                                  | %               | kW   | °C              | %               | kW   | °C                                  | %               | kW   | °C              | %               | kW   |
|                        |                                          |                                    |                 |      |                 |                 |      |                                    |                 |      |                 |                 |      |                                     |                 |      |                 |                 |      |                                     |                 |      |                 |                 |      |
| -20                    |                                          | 14,5                               | 82              | 14,0 | 12,4            | 77              | 20,0 | 11,2                               | 74              | 38,0 | 10,0            | 71              | 43,0 | 10,7                                | 73              | 63,0 | 10,0            | 71              | 67,0 | 12,2                                | 77              | 98,0 | 11,3            | 75              | 108  |
| -15                    |                                          | 15,4                               | 82              | 13,0 | 13,5            | 77              | 18,0 | 12,4                               | 74              | 34,0 | 11,4            | 71              | 38,0 | 12,0                                | 73              | 56,0 | 11,4            | 71              | 60,0 | 13,3                                | 76              | 88,0 | 12,5            | 74              | 97,0 |
| -10                    |                                          | 16,2                               | 82              | 11,0 | 14,5            | 77              | 15,0 | 13,6                               | 74              | 30,0 | 12,7            | 71              | 33,0 | 13,3                                | 73              | 49,0 | 12,7            | 71              | 52,0 | 14,4                                | 76              | 77,0 | 13,7            | 74              | 85,0 |
| -5                     |                                          | 17,1                               | 82              | 9,0  | 15,7            | 76              | 13,0 | 14,8                               | 73              | 25,0 | 14,1            | 71              | 28,0 | 14,6                                | 72              | 42,0 | 14,1            | 71              | 45,0 | 15,5                                | 76              | 65,0 | 15,0            | 74              | 72,0 |

Heating coil LPHW

| t <sub>w</sub> Water | t <sub>Le</sub> Air in | Air volume 700   |    |                 |    | Size 900               |    |                 |    | Size 1200              |    |                 |    | Size 1600              |     |                 |     |
|----------------------|------------------------|------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|-----|-----------------|-----|
|                      |                        | Size $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |     |                 |     |
|                      |                        | 1000 m³/h        |    | 1500 m³/h       |    | 3000 m³/h              |    | 3500 m³/h       |    | 5000 m³/h              |    | 5500 m³/h       |    | 7500 m³/h              |     | 8500 m³/h       |     |
|                      |                        | 2RR              |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |     | 2RR             |     |
|                      |                        | t <sub>La</sub>  | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q   | t <sub>La</sub> | Q   |
|                      |                        | °C               | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW  | °C              | kW  |
| 60 - 40              | +5                     | 31               | 9  | 27              | 12 | 28                     | 24 | 27              | 27 | 26                     | 37 | 25              | 40 | 30                     | 68  | 29              | 73  |
|                      | +10                    | 32               | 8  | 30              | 10 | 30                     | 21 | 29              | 23 | 28                     | 32 | 30              | 28 | 32                     | 58  | 31              | 64  |
| 70 - 50              | +5                     | 38               | 12 | 34              | 15 | 34                     | 31 | 33              | 35 | 32                     | 48 | 31              | 52 | 37                     | 85  | 36              | 93  |
|                      | +10                    | 39               | 10 | 36              | 14 | 37                     | 28 | 35              | 31 | 35                     | 43 | 34              | 46 | 39                     | 76  | 38              | 83  |
| 80 - 60              | +5                     | 45               | 14 | 40              | 18 | 41                     | 38 | 39              | 42 | 39                     | 60 | 37              | 63 | 44                     | 103 | 42              | 112 |
|                      | +10                    | 46               | 13 | 42              | 17 | 43                     | 35 | 41              | 38 | 41                     | 54 | 40              | 57 | 46                     | 94  | 44              | 102 |
| 82 - 71              | +5                     | 51               | 16 | 45              | 21 | 46                     | 44 | 44              | 49 | 45                     | 70 | 43              | 75 | 49                     | 118 | 48              | 128 |
|                      | +10                    | 53               | 15 | 47              | 20 | 49                     | 41 | 47              | 45 | 47                     | 64 | 46              | 68 | 51                     | 108 | 50              | 118 |
| 110 - 70             | +5                     | 55               | 18 | 49              | 23 | 50                     | 48 | 48              | 53 | 47                     | 74 | 45              | 79 | 54                     | 131 | 52              | 142 |
|                      | +10                    | 57               | 19 | 51              | 22 | 52                     | 44 | 50              | 49 | 49                     | 68 | 48              | 73 | 56                     | 121 | 54              | 132 |

Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L * (t_{La} - t_{Le}) * 1,22 / 3600$  [kW]  
Water volume  $\dot{V}_W = Q * 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}$ ;  $t_{Le} / t_{La} = -15/25^\circ\text{C}$ ;  $t_{We} / t_{Wa} = 70/50^\circ\text{C}$

$Q = 3.000 * 40 * 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 * 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$

Legend

f = Frequency [Hz]  
I<sub>max</sub> = Max. operating current [A]  
L<sub>WA2</sub> = Casing - sound power level [dB (A)]  
L<sub>WA5</sub> = Inlet - sound power level [dB (A)]  
L<sub>WA6</sub> = Outlet - sound power level [dB (A)]  
η<sub>Tt</sub> = Efficiency Heat Exchanger  
Temperature [%]  
P<sub>1</sub> = Rated power [W]  
Q = Heating Capacity [kW]  
RR = Number of rows  
t<sub>La</sub> = Air out temperature [°C]  
t<sub>Le</sub> = Air in temperature [°C]  
t<sub>We</sub> = Water in temperature [°C]  
t<sub>Wa</sub> = Water out temperature [°C]  
t<sub>w</sub> = Water Temperature [°C]  
U = Voltage [V]  
V<sub>L</sub> = Air volume referred to 20 °C [m³/h]  
V<sub>W</sub> = Water volume [m³/h]  
ΔP<sub>stat</sub> = Static pressure increase [Pa]  
ID = Part ID

DX coil

| Evaporation  | t <sub>Le</sub> Air in | Size 700               |    |                        |    | Size 900               |    |                        |    | Size 1200              |    |                        |    | Size 1600              |    |                        |    |
|--------------|------------------------|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|------------------------|----|
|              |                        | Air volume $\dot{V}_L$ |    | Air volume $\dot{V}_L$ |    | Air volume $\dot{V}_L$ |    | Air volume $\dot{V}_L$ |    | Air volume $\dot{V}_L$ |    | Air volume $\dot{V}_L$ |    | Air volume $\dot{V}_L$ |    | Air volume $\dot{V}_L$ |    |
|              |                        | 1000 m³/h              |    | 1500 m³/h              |    | 3000 m³/h              |    | 3500 m³/h              |    | 5000 m³/h              |    | 5500 m³/h              |    | 7500 m³/h              |    | 8500 m³/h              |    |
|              |                        | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    | 3RR                    |    |
|              |                        | t <sub>La</sub>        | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub>        | Q  |
|              |                        | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW | °C                     | kW |
| 6 °C (R407C) | 32 °C 40 % r. H.       | 15                     | 8  | 18                     | 10 | 18                     | 20 | 18                     | 23 | 16                     | 38 | 17                     | 40 | 15                     | 62 | 15                     | 68 |

## Legend

|                    |                                       |
|--------------------|---------------------------------------|
| Q                  | = Heating Capacity [kW]               |
| r. F.              | = Relative humidity [%]               |
| RR                 | = Number of rows                      |
| t <sub>La</sub>    | = Air out temperature [°C]            |
| t <sub>Le</sub>    | = Air in temperature [°C]             |
| $\dot{V}_L$        | = Air volume referred to 20 °C [m³/h] |
| $\Delta P_{stat.}$ | = Static pressure increase [Pa]       |
| ID                 | = Part ID                             |



**Specific Accessories**  
 For details see page: 150

## RLI ROTOLINE, AHU with heat recovery wheel

| <b>RLI 700 FC 14</b><br>ID 119048<br><br>400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br><br>Connection side right | <b>RLI 900 FC 14</b><br>ID 118752<br><br>400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br><br>Connection side right | <b>RLI 1200 FC 14</b><br>ID 119814<br><br>400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br><br>Connection side right | <b>RLI 1200 EC 14 18100,-</b><br>ID 120506<br><br>400V 3-N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/71 db(A)<br><br>Connection side right | <b>RLI 1600 EC 14 21700,-</b><br>ID 120677<br><br>400V 3-N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/61 db(A)<br><br>Connection side right | MWR. |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>RLI 700 FC 15</b><br>ID 119051<br><br>400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br><br>Connection side left  | <b>RLI 900 FC 15</b><br>ID 118755<br><br>400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br><br>Connection side left  | <b>RLI 1200 FC 15</b><br>ID 119817<br><br>400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br><br>Connection side left  | <b>RLI 1200 EC 15 18100,-</b><br>ID 120509<br><br>400V 3-N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/71 db(A)<br><br>Connection side left  | <b>RLI 1600 EC 15 21700,-</b><br>ID 120680<br><br>400V 3-N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/61 db(A)<br><br>Connection side left  | MWR. |



**Transition**  
 rectangular/round duct



**Fast Clamps**  
 1 set = 2 pcs.



**Duct Silencer**  
 rigid, 1 m



**Duct Silencer**  
 flexibel, 1 m



**Replacement Filter**



**Replacement Filter**



**Three way ball valve**



**Three way ball valve**



**Rain Cover**

|                                 |                                 |                                 |                                 |                                 |         |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|
| <b>UKR 5025 02</b><br>ID 119718 | <b>UKR 6030 01</b><br>ID 113591 | <b>UKR 8050 02</b><br>ID 118052 | <b>UKR 8050 02</b><br>ID 118052 |                                 | MYMKU.  |
| <b>VM 250</b><br>ID 102651      | <b>VM 355</b><br>ID 102653      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | MYMRV.  |
| <b>SDS 250</b><br>ID 102721     | <b>SDS 355</b><br>ID 102725     | <b>SDS 500</b><br>ID 118834     | <b>SDS 500</b><br>ID 118834     |                                 | MYMRDS. |
| <b>SDF 250</b><br>ID 102705     | <b>SDF 355</b><br>ID 102707     |                                 |                                 |                                 | MYMRDF. |
| <b>LFP 17 F5</b><br>ID 119032   | <b>LFP 25 F5</b><br>ID 112169   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 27 F5</b><br>ID 120223   | MYMEP.  |
| <b>LFP 17 F7</b><br>ID 119033   | <b>LFP 25 F7</b><br>ID 112170   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 27 F7</b><br>ID 120224   | MYMEP.  |
| <b>STK 02</b><br>ID 112935      | <b>STK 02</b><br>ID 112935      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | MYSLS.  |
| <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | MYSLS.  |
| <b>RD RLI 700</b><br>ID 121628  | <b>RD RLI 900</b><br>ID 121552  | <b>RD RLI 1200</b><br>ID 121754 | <b>RD RLI 1200</b><br>ID 121754 | <b>RD RLI 1600</b><br>ID 122214 | MYMWR.  |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |
|                                 |                                 |                                 |                                 |                                 |         |



### Compact dimensions

ROTOLINE is the most compact heat recovery unit in its class. By placing the energy saving fan ETALINE in the duct system the ventilation unit becomes 50 - 70 % more compact.

### High quality housing

The housing is insulated with 40 mm mineral wool. The housing with high quality finish is a frameless sheet metal design with smooth interior and exterior walls. All parts are easily accessible. The rotor can be extracted with minimum effort. The cables are arranged in the unit and covered.

- Integrated controls in the unit
- With remote control
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Cooling coil, DX coil (optional)
- Heat recovery wheel removable
- Easy to clean smooth finish design and covered cable routing



### Control System

The regulation installed in the unit is easily accessible. All connections are realized with plug cords.



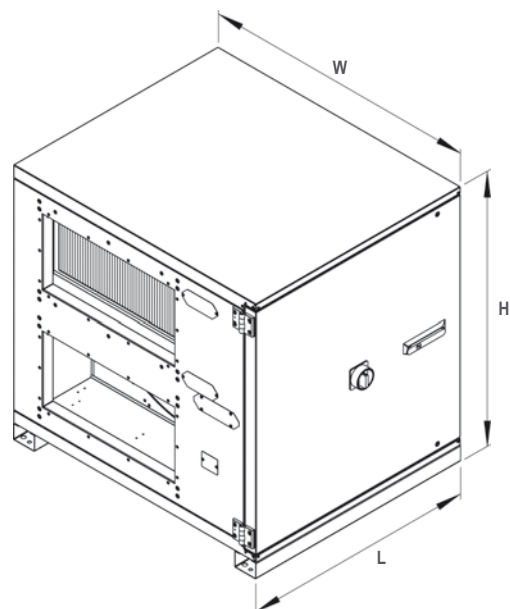
### Energy saving frequency converter

The frequency converters is intalled in the unit and wired.



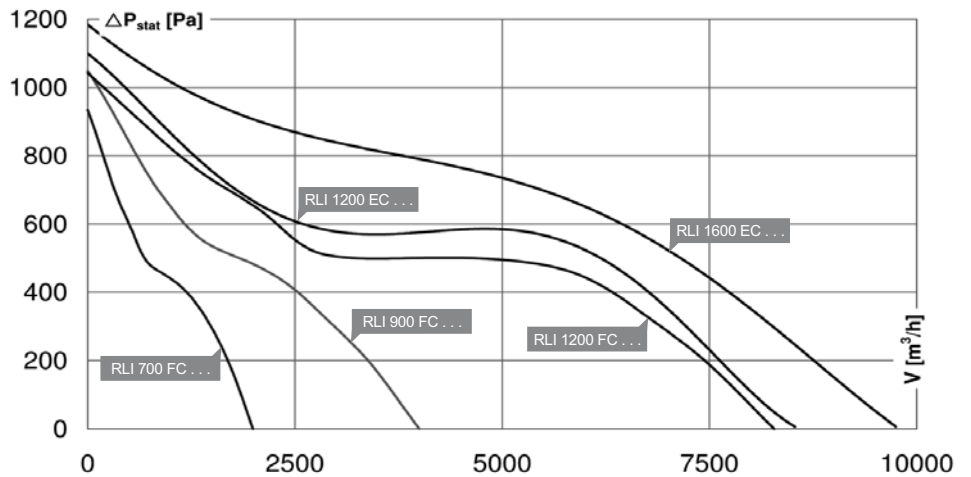
### Compact dimensions

Even a 9000 m³/h unit can fit through a standard 80 cm door without any problems.



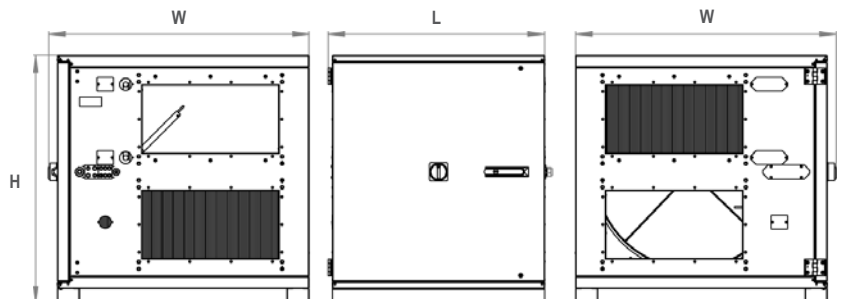


| Type                                                             | ID     |  | max.<br>Air volume at<br>200Pa external<br>pressure | Connection<br>side right | Connection<br>side left | Heating coil<br>warm water | Cooling coil<br>cold water | DX coil | incl.        | ID     | Etaline<br>Fan |
|------------------------------------------------------------------|--------|--|-----------------------------------------------------|--------------------------|-------------------------|----------------------------|----------------------------|---------|--------------|--------|----------------|
| <b>ROTOLINE</b>                                                  |        |  |                                                     |                          |                         |                            |                            |         |              |        |                |
| RLE 700 FC 10                                                    | 119120 |  | 1670                                                | x                        |                         | x                          |                            |         | EL 250 D2 01 | 118980 | 2 pcs.         |
| RLE 700 FC 11                                                    | 119123 |  | 1670                                                |                          | x                       | x                          |                            |         | EL 250 D2 01 | 118980 | 2 pcs.         |
| RLE 900 FC 10                                                    | 118816 |  | 3370                                                | x                        |                         | x                          |                            |         | EL 355 D2 01 | 112760 | 2 pcs.         |
| RLE 900 FC 11                                                    | 118819 |  | 3370                                                |                          | x                       | x                          |                            |         | EL 355 D2 01 | 112760 | 2 pcs.         |
| RLE 1200 FC 10                                                   | 119640 |  | 7350                                                | x                        |                         | x                          |                            |         | EL 500 D4 01 | 117580 | 2 pcs.         |
| RLE 1200 FC 11                                                   | 119643 |  | 7350                                                |                          | x                       | x                          |                            |         | EL 500 D4 01 | 117580 | 2 pcs.         |
| RLE 1200 EC 10                                                   | 120512 |  | 7600                                                | x                        |                         | x                          |                            |         | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1200 EC 11                                                   | 120515 |  | 7600                                                |                          | x                       | x                          |                            |         | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1600 EC 10                                                   | 120372 |  | 8700                                                | x                        |                         | x                          |                            |         | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1600 EC 11                                                   | 120375 |  | 8700                                                |                          | x                       | x                          |                            |         | EL 500 EC 01 | 119321 | 2 pcs.         |
|                                                                  |        |  |                                                     |                          |                         |                            |                            |         |              |        |                |
| <b>ROTOLINE With cooling coil LPCW (low Pressure Cold Water)</b> |        |  |                                                     |                          |                         |                            |                            |         |              |        |                |
| RLE 700 FC 12                                                    | 119126 |  | 1560                                                | x                        |                         | x                          | x                          |         | EL 250 D2 01 | 118980 | 2 pcs.         |
| RLE 700 FC 13                                                    | 119129 |  | 1560                                                |                          | x                       | x                          | x                          |         | EL 250 D2 01 | 118980 | 2 pcs.         |
| RLE 900 FC 12                                                    | 118822 |  | 3060                                                | x                        |                         | x                          | x                          |         | EL 355 D2 01 | 112760 | 2 pcs.         |
| RLE 900 FC 13                                                    | 118825 |  | 3060                                                |                          | x                       | x                          | x                          |         | EL 355 D2 01 | 112760 | 2 pcs.         |
| RLE 1200 FC 12                                                   | 119647 |  | 6870                                                | x                        |                         | x                          | x                          |         | EL 500 D4 01 | 117580 | 2 pcs.         |
| RLE 1200 FC 13                                                   | 119650 |  | 6870                                                |                          | x                       | x                          | x                          |         | EL 500 D4 01 | 117580 | 2 pcs.         |
| RLE 1200 EC 12                                                   | 120518 |  | 7100                                                | x                        |                         | x                          | x                          |         | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1200 EC 13                                                   | 120521 |  | 7100                                                |                          | x                       | x                          | x                          |         | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1600 EC 12                                                   | 120378 |  | 8470                                                | x                        |                         | x                          | x                          |         | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1600 EC 13                                                   | 120381 |  | 8470                                                |                          | x                       | x                          | x                          |         | EL 500 EC 01 | 119321 | 2 pcs.         |
|                                                                  |        |  |                                                     |                          |                         |                            |                            |         |              |        |                |
| <b>ROTOLINE With DX coil</b>                                     |        |  |                                                     |                          |                         |                            |                            |         |              |        |                |
| RLE 700 FC 14                                                    | 119132 |  | 1550                                                | x                        |                         | x                          |                            | x       | EL 250 D2 01 | 118980 | 2 pcs.         |
| RLE 700 FC 15                                                    | 119135 |  | 1550                                                |                          | x                       | x                          |                            | x       | EL 250 D2 01 | 118980 | 2 pcs.         |
| RLE 900 FC 14                                                    | 118828 |  | 3050                                                | x                        |                         | x                          |                            | x       | EL 355 D2 01 | 112760 | 2 pcs.         |
| RLE 900 FC 15                                                    | 118831 |  | 3050                                                |                          | x                       | x                          |                            | x       | EL 355 D2 01 | 112760 | 2 pcs.         |
| RLE 1200 FC 14                                                   | 119653 |  | 6840                                                | x                        |                         | x                          |                            | x       | EL 500 D4 01 | 117580 | 2 pcs.         |
| RLE 1200 FC 15                                                   | 119656 |  | 6840                                                |                          | x                       | x                          |                            | x       | EL 500 D4 01 | 117580 | 2 pcs.         |
| RLE 1200 EC 14                                                   | 120524 |  | 7080                                                | x                        |                         | x                          |                            | x       | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1200 EC 15                                                   | 120527 |  | 7080                                                |                          | x                       | x                          |                            | x       | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1600 EC 14                                                   | 120384 |  | 8440                                                | x                        |                         | x                          |                            | x       | EL 500 EC 01 | 119321 | 2 pcs.         |
| RLE 1600 EC 15                                                   | 120387 |  | 8440                                                |                          | x                       | x                          |                            | x       | EL 500 EC 01 | 119321 | 2 pcs.         |



| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm water | W<br>[mm] | H<br>[mm] | L<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|--------------------|-----------|-----------|-----------|----------------|
| RLE 700 FC 10  | 119120 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 946       | 895       | 786       | 170,0          |
| RLE 700 FC 11  | 119123 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 946       | 895       | 786       | 170,0          |
| RLE 900 FC 10  | 118816 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 1146      | 1095      | 786       | 230,0          |
| RLE 900 FC 11  | 118819 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 1146      | 1095      | 786       | 230,0          |
| RLE 1200 FC 10 | 119640 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 1446      | 1395      | 786       | 265,0          |
| RLE 1200 FC 11 | 119643 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 1446      | 1395      | 786       | 265,0          |
| RLE 1200 EC 10 | 120512 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 1446      | 1395      | 786       | 275,0          |
| RLE 1200 EC 11 | 120515 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 1446      | 1395      | 786       | 275,0          |
| RLE 1600 EC 10 | 120372 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 1846      | 1795      | 786       |                |
| RLE 1600 EC 11 | 120375 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 1846      | 1795      | 786       |                |

- heat recovery unit with heat recovery wheel
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Integrated controls in the unit
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Easy to clean smooth finish design and covered cable routing



| ID 119120 - 119123      |     |     |     |     |    |    |    |    |    | ID 118816 - 118819   |     |     |     |    |    |    |    | ID 119640 - 119643 - 120512 - 120515 |    |     |     |     |    |    |    | ID 120372 - 120375   |    |    |     |     |     |    |    |    |    |
|-------------------------|-----|-----|-----|-----|----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|--------------------------------------|----|-----|-----|-----|----|----|----|----------------------|----|----|-----|-----|-----|----|----|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |    | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                                      | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k                   |    | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79  | 55  | 62  | 73 | 72 | 73 | 72 | 67 | 87                   | 67  | 78  | 81  | 82 | 80 | 76 | 67 | 82                                   | 59 | 70  | 75  | 77  | 75 | 72 | 64 | 88                   | 58 | 76 | 81  | 83  | 82  | 81 | 71 |    |    |
|                         | 400 | 81  | 63  | 70  | 76 | 76 | 74 | 71 | 66 | 89                   | 69  | 80  | 83  | 84 | 83 | 79 | 72 | 93                                   | 78 | 83  | 87  | 88  | 86 | 82 | 73 | 82                   | 59 | 70 | 75  | 77  | 75  | 72 | 64 |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79  | 55  | 62  | 73 | 72 | 73 | 72 | 67 | 70                   | 56  | 61  | 65  | 65 | 62 | 57 | 51 | 67                                   | 50 | 61  | 58  | 61  | 59 | 56 | 44 | 68                   | 46 | 61 | 59  | 63  | 62  | 58 | 43 |    |    |
|                         | 400 | 81  | 63  | 70  | 76 | 76 | 74 | 71 | 66 | 73                   | 60  | 64  | 69  | 67 | 63 | 58 | 48 | 70                                   | 63 | 62  | 60  | 64  | 62 | 57 | 47 | 66                   | 44 | 61 | 58  | 61  | 59  | 54 | 41 |    |    |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82  | 58  | 64  | 73 | 78 | 76 | 72 | 66 | 74                   | 55  | 63  | 70  | 70 | 66 | 60 | 47 | 69                                   | 47 | 58  | 62  | 65  | 62 | 57 | 48 | 65                   | 45 | 59 | 56  | 60  | 59  | 54 | 38 |    |    |
|                         | 400 | 88  | 77  | 78  | 82 | 83 | 79 | 73 | 68 | 76                   | 62  | 64  | 71  | 71 | 67 | 61 | 48 | 75                                   | 66 | 65  | 68  | 70  | 68 | 64 | 50 | 64                   | 43 | 57 | 55  | 59  | 57  | 52 | 36 |    |    |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82  | 58  | 64  | 73 | 78 | 76 | 72 | 66 | 92                   | 70  | 78  | 86  | 88 | 85 | 80 | 71 | 92                                   | 73 | 78  | 88  | 88  | 83 | 79 | 69 | 93                   | 62 | 78 | 88  | 88  | 85  | 82 | 73 |    |    |
|                         | 400 | 88  | 77  | 78  | 82 | 83 | 79 | 73 | 68 | 94                   | 72  | 81  | 88  | 90 | 87 | 83 | 74 | 97                                   | 80 | 84  | 93  | 92  | 89 | 86 | 77 | 92                   | 73 | 78 | 88  | 88  | 83  | 79 | 69 |    |    |
| Casing L <sub>WA2</sub> |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 66  | 60  | 54  | 57 | 57 | 57 | 59 | 54 | 75                   | 61  | 60  | 70  | 70 | 65 | 62 | 50 | 78                                   | 55 | 67  | 74  | 75  | 65 | 62 | 58 | 83                   | 55 | 72 | 80  | 77  | 71  | 69 | 59 |    |    |
|                         | 400 | 72  | 69  | 61  | 63 | 61 | 60 | 60 | 56 | 75                   | 62  | 62  | 71  | 71 | 67 | 64 | 53 | 87                                   | 70 | 73  | 85  | 80  | 75 | 71 | 60 | 78                   | 55 | 67 | 74  | 75  | 65  | 62 | 58 |    |    |

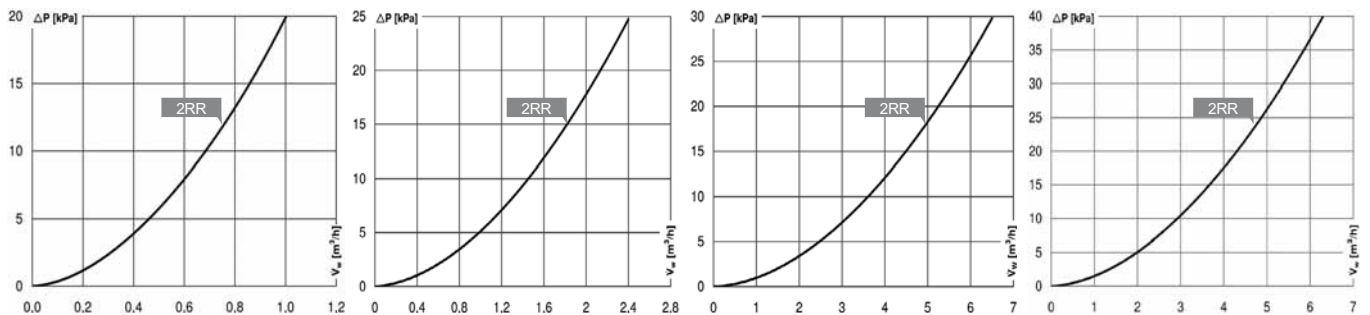
Heat recovery wheel

| $t_{Le}$ Supply | Type RWT 2,0<br>22 °C 50%<br>Exhaust Air | Size 700<br>Air volume $\dot{V}_L$ |             |      |           |             |      | Size 900<br>Air volume $\dot{V}_L$ |             |      |           |             |      | Size 1200<br>Air volume $\dot{V}_L$ |             |      |           |             |      | Size 1600<br>Air volume $\dot{V}_L$ |             |      |           |             |      |
|-----------------|------------------------------------------|------------------------------------|-------------|------|-----------|-------------|------|------------------------------------|-------------|------|-----------|-------------|------|-------------------------------------|-------------|------|-----------|-------------|------|-------------------------------------|-------------|------|-----------|-------------|------|
|                 |                                          | 1000 m³/h                          |             |      | 1500 m³/h |             |      | 3000 m³/h                          |             |      | 3500 m³/h |             |      | 5000 m³/h                           |             |      | 5500 m³/h |             |      | 7500 m³/h                           |             |      | 8500 m³/h |             |      |
|                 |                                          | $t_{La}$                           | $\eta_{Tt}$ | Q    | $t_{La}$  | $\eta_{Tt}$ | Q    | $t_{La}$                           | $\eta_{Tt}$ | Q    | $t_{La}$  | $\eta_{Tt}$ | Q    | $t_{La}$                            | $\eta_{Tt}$ | Q    | $t_{La}$  | $\eta_{Tt}$ | Q    | $t_{La}$                            | $\eta_{Tt}$ | Q    | $t_{La}$  | $\eta_{Tt}$ | Q    |
|                 |                                          | °C                                 | %           | kW   | °C        | %           | kW   | °C                                 | %           | kW   | °C        | %           | kW   | °C                                  | %           | kW   | °C        | %           | kW   | °C                                  | %           | kW   | °C        | %           | kW   |
|                 |                                          | °C                                 | %           | kW   | °C        | %           | kW   | °C                                 | %           | kW   | °C        | %           | kW   | °C                                  | %           | kW   | °C        | %           | kW   | °C                                  | %           | kW   | °C        | %           | kW   |
| -20             |                                          | 14,5                               | 82          | 14,0 | 12,4      | 77          | 20,0 | 11,2                               | 74          | 38,0 | 10,0      | 71          | 43,0 | 10,7                                | 73          | 63,0 | 10,0      | 71          | 67,0 | 12,2                                | 77          | 98,0 | 11,3      | 75          | 108  |
| -15             |                                          | 15,4                               | 82          | 13,0 | 13,5      | 77          | 18,0 | 12,4                               | 74          | 34,0 | 11,4      | 71          | 38,0 | 12,0                                | 73          | 56,0 | 11,4      | 71          | 60,0 | 13,3                                | 76          | 88,0 | 12,5      | 74          | 97,0 |
| -10             |                                          | 16,2                               | 82          | 11,0 | 14,5      | 77          | 15,0 | 13,6                               | 74          | 30,0 | 12,7      | 71          | 33,0 | 13,3                                | 73          | 49,0 | 12,7      | 71          | 52,0 | 14,4                                | 76          | 77,0 | 13,7      | 74          | 85,0 |
| -5              |                                          | 17,1                               | 82          | 9,0  | 15,7      | 76          | 13,0 | 14,8                               | 73          | 25,0 | 14,1      | 71          | 28,0 | 14,6                                | 72          | 42,0 | 14,1      | 71          | 45,0 | 15,5                                | 76          | 65,0 | 15,0      | 74          | 72,0 |

Heating coil LPHW

| t <sub>w</sub> Water | t <sub>Le</sub> Air in | Air volume 700       |    |                 |    | Size 900                   |    |                 |    | Size 1200                  |    |                 |    | Size 1600                  |     |                 |     |
|----------------------|------------------------|----------------------|----|-----------------|----|----------------------------|----|-----------------|----|----------------------------|----|-----------------|----|----------------------------|-----|-----------------|-----|
|                      |                        | Size V̇ <sub>L</sub> |    |                 |    | Air volume V̇ <sub>L</sub> |    |                 |    | Air volume V̇ <sub>L</sub> |    |                 |    | Air volume V̇ <sub>L</sub> |     |                 |     |
|                      |                        | 1000 m³/h            |    | 1500 m³/h       |    | 3000 m³/h                  |    | 3500 m³/h       |    | 5000 m³/h                  |    | 5500 m³/h       |    | 7500 m³/h                  |     | 8500 m³/h       |     |
|                      |                        | 2RR                  |    | 2RR             |    | 2RR                        |    | 2RR             |    | 2RR                        |    | 2RR             |    | 2RR                        |     | 2RR             |     |
|                      |                        | t <sub>La</sub>      | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>            | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>            | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>            | Q   | t <sub>La</sub> | Q   |
|                      |                        | °C                   | kW | °C              | kW | °C                         | kW | °C              | kW | °C                         | kW | °C              | kW | °C                         | kW  | °C              | kW  |
| 60 - 40              | +5                     | 31                   | 9  | 27              | 12 | 28                         | 24 | 27              | 27 | 26                         | 37 | 25              | 40 | 30                         | 68  | 29              | 73  |
|                      | +10                    | 32                   | 8  | 30              | 10 | 30                         | 21 | 29              | 23 | 28                         | 32 | 30              | 28 | 32                         | 58  | 31              | 64  |
| 70 - 50              | +5                     | 38                   | 12 | 34              | 15 | 34                         | 31 | 33              | 35 | 32                         | 48 | 31              | 52 | 37                         | 85  | 36              | 93  |
|                      | +10                    | 39                   | 10 | 36              | 14 | 37                         | 28 | 35              | 31 | 35                         | 43 | 34              | 46 | 39                         | 76  | 38              | 83  |
| 80 - 60              | +5                     | 45                   | 14 | 40              | 18 | 41                         | 38 | 39              | 42 | 39                         | 60 | 37              | 63 | 44                         | 103 | 42              | 112 |
|                      | +10                    | 46                   | 13 | 42              | 17 | 43                         | 35 | 41              | 38 | 41                         | 54 | 40              | 57 | 46                         | 94  | 44              | 102 |
| 82 - 71              | +5                     | 51                   | 16 | 45              | 21 | 46                         | 44 | 44              | 49 | 45                         | 70 | 43              | 75 | 49                         | 118 | 48              | 128 |
|                      | +10                    | 53                   | 15 | 47              | 20 | 49                         | 41 | 47              | 45 | 47                         | 64 | 46              | 68 | 51                         | 108 | 50              | 118 |
| 110 - 70             | +5                     | 55                   | 18 | 49              | 23 | 50                         | 48 | 48              | 53 | 47                         | 74 | 45              | 79 | 54                         | 131 | 52              | 142 |
|                      | +10                    | 57                   | 19 | 51              | 22 | 52                         | 44 | 50              | 49 | 49                         | 68 | 48              | 73 | 56                         | 121 | 54              | 132 |

Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L * (t_{La} - t_{Le}) * 1,22 / 3600$  [kW]  
Water volume  $\dot{V}_W = Q * 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}; t_{Le} / t_{La} = -15/25^\circ\text{C}; t_{We} / t_{Wa} = 70/50^\circ\text{C}$

$Q = 3.000 * 40 * 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 * 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$

Legend

f = Frequency [Hz]  
 $I_{max}$  = Max. operating current [A]  
 $L_{WA2}$  = Casing - sound power level [dB (A)]  
 $L_{WA5}$  = Inlet - sound power level [dB (A)]  
 $L_{WA6}$  = Outlet - sound power level [dB (A)]  
 $\eta_{Tt}$  = Efficiency Heat Exchanger  
Temperature [%]  
 $P_1$  = Rated power [W]  
Q = Heating Capacity [kW]  
RR = Number of rows  
 $t_{La}$  = Air out temperature [°C]  
 $t_{Le}$  = Air in temperature [°C]  
 $t_{We}$  = Water in temperature [°C]  
 $t_{Wa}$  = Water out temperature [°C]  
 $t_w$  = Water Temperature [°C]  
U = Voltage [V]  
 $\dot{V}_L$  = Air volume referred to 20 °C [m³/h]  
 $\dot{V}_W$  = Water volume [m³/h]  
 $\Delta P_{stat}$  = Static pressure increase [Pa]  
ID = Part ID

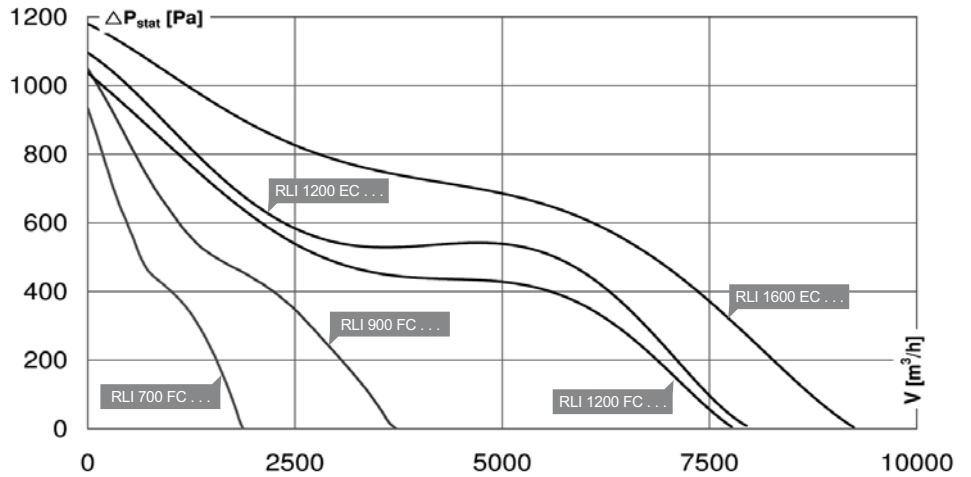
|     | <b>RLE 700 FC 10</b><br>ID 119120                                                      | <b>RLE 900 FC 10</b><br>ID 118816                                                        | <b>RLE 1200 FC 10</b><br>ID 119640                                                        | <b>RLE 1200 EC 10</b><br>ID 120512                                                        | <b>RLE 1600 EC 10</b><br>ID 120372                                                        |
|-----|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| MWR | 400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br>Connection side right | 400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br>Connection side right | 400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br>Connection side right | 400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/82 db(A)<br>Connection side right | 400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/87 db(A)<br>Connection side right |
|     | <b>RLE 700 FC 11</b><br>ID 119123                                                      | <b>RLE 900 FC 11</b><br>ID 118819                                                        | <b>RLE 1200 FC 11</b><br>ID 119643                                                        | <b>RLE 1200 EC 11</b><br>ID 120515                                                        | <b>RLE 1600 EC 11</b><br>ID 120375                                                        |
| MWR | 400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br>Connection side left  | 400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br>Connection side left  | 400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br>Connection side left  | 400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/82 db(A)<br>Connection side left  | 400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/87 db(A)<br>Connection side left  |



**Specific Accessories**  
For details see page: 150

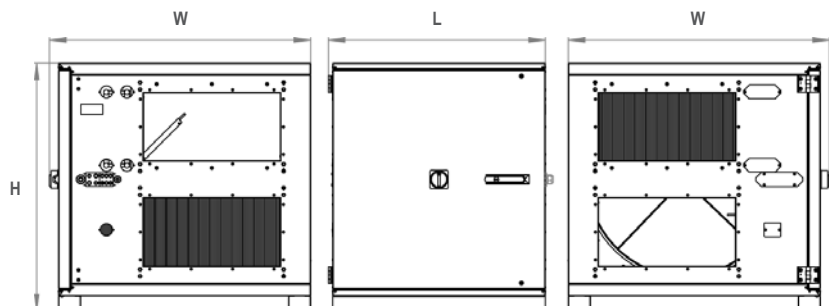
|        |                                 |                                 |                                 |                                 |                                 |                                             |
|--------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------------------|
| MYMKU  | <b>UKR 5025 02</b><br>ID 119718 | <b>UKR 6030 01</b><br>ID 113591 | <b>UKR 8050 02</b><br>ID 118052 | <b>UKR 8050 02</b><br>ID 118052 |                                 | <b>Transition</b><br>rectangular/round duct |
| MYMRV  | <b>VM 250</b><br>ID 102651      | <b>VM 355</b><br>ID 102653      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>Fast Clamps</b><br>1 set = 2 pcs.        |
| MYMRDS | <b>SDS 250</b><br>ID 102721     | <b>SDS 355</b><br>ID 102725     | <b>SDS 500</b><br>ID 118834     | <b>SDS 500</b><br>ID 118834     |                                 | <b>Duct Silencer</b><br>rigid, 1 m          |
| MYMRDF | <b>SDF 250</b><br>ID 102705     | <b>SDF 355</b><br>ID 102707     |                                 |                                 |                                 | <b>Duct Silencer</b><br>flexibel, 1 m       |
| MYMEP  | <b>LFP 17 F5</b><br>ID 119032   | <b>LFP 25 F5</b><br>ID 112169   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 27 F5</b><br>ID 120223   | <b>Replacement Filter</b>                   |
| MYMEP  | <b>LFP 17 F7</b><br>ID 119033   | <b>LFP 25 F7</b><br>ID 112170   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 27 F7</b><br>ID 120224   | <b>Replacement Filter</b>                   |
| MYSLS  | <b>STK 02</b><br>ID 112935      | <b>STK 02</b><br>ID 112935      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>Three way ball valve</b>                 |
| MYSLS  | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>Three way ball valve</b>                 |
| MYMWR  | <b>RD RLE 700</b><br>ID 121627  | <b>RD RLE 900</b><br>ID 121551  | <b>RD RLE 1200</b><br>ID 121745 | <b>RD RLE 1200</b><br>ID 121745 | <b>RD RLE 1600</b><br>ID 122211 | <b>Rain Cover</b>                           |
|        |                                 |                                 |                                 |                                 |                                 |                                             |
|        |                                 |                                 |                                 |                                 |                                 |                                             |
|        |                                 |                                 |                                 |                                 |                                 |                                             |
|        |                                 |                                 |                                 |                                 |                                 |                                             |





| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm water | Rows<br>Cooling coil | W<br>[mm] | H<br>[mm] | L<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|--------------------|----------------------|-----------|-----------|-----------|----------------|
| RLE 700 FC 12  | 119126 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3                    | 946       | 895       | 786       | 180,0          |
| RLE 700 FC 13  | 119129 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3                    | 946       | 895       | 786       | 180,0          |
| RLE 900 FC 12  | 118822 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3                    | 1146      | 1095      | 786       | 250,0          |
| RLE 900 FC 13  | 118825 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3                    | 1146      | 1095      | 786       | 250,0          |
| RLE 1200 FC 12 | 119647 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3                    | 1446      | 1395      | 786       | 285,0          |
| RLE 1200 FC 13 | 119650 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3                    | 1446      | 1395      | 786       | 285,0          |
| RLE 1200 EC 12 | 120518 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3                    | 1446      | 1395      | 786       | 295,0          |
| RLE 1200 EC 13 | 120521 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3                    | 1446      | 1395      | 786       | 295,0          |
| RLE 1600 EC 12 | 120378 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3                    | 1846      | 1795      | 786       |                |
| RLE 1600 EC 13 | 120381 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3                    | 1846      | 1795      | 786       |                |

- heat recovery unit with heat recovery wheel
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Integrated controls in the unit
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Cooling coil, DX coil (optional)
- Easy to clean smooth finish design and covered cable routing



| ID 119126 - 119129      |     |    |     |     |     |    |    |    |    | ID 118822 - 118825   |     |     |     |    |    |    |    | ID 119647 - 119650 - 120518 - 120521 |     |     |     |    |    |    |    | ID 120378 - 120381   |     |     |     |    |    |    |    |
|-------------------------|-----|----|-----|-----|-----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|--------------------------------------|-----|-----|-----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|
|                         |     | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| Inlet L <sub>WA5</sub>  |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79 | 55  | 62  | 73  | 72 | 73 | 72 | 67 | 87                   | 67  | 78  | 81  | 82 | 80 | 76 | 67 | 82                                   | 59  | 70  | 75  | 77 | 75 | 72 | 64 | 88                   | 58  | 76  | 81  | 83 | 82 | 81 | 71 |
|                         | 400 | 81 | 63  | 70  | 76  | 76 | 74 | 71 | 66 | 89                   | 69  | 80  | 83  | 84 | 83 | 79 | 72 | 93                                   | 78  | 83  | 87  | 88 | 86 | 82 | 73 | 82                   | 59  | 70  | 75  | 77 | 75 | 72 | 64 |
| Inlet L <sub>WA5</sub>  |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79 | 55  | 62  | 73  | 72 | 73 | 72 | 67 | 70                   | 56  | 61  | 65  | 65 | 62 | 57 | 51 | 67                                   | 50  | 61  | 58  | 61 | 59 | 56 | 44 | 68                   | 46  | 61  | 59  | 63 | 62 | 58 | 43 |
|                         | 400 | 81 | 63  | 70  | 76  | 76 | 74 | 71 | 66 | 73                   | 60  | 64  | 69  | 67 | 63 | 58 | 48 | 70                                   | 63  | 62  | 60  | 64 | 62 | 57 | 47 | 66                   | 44  | 61  | 58  | 61 | 59 | 54 | 41 |
| Outlet L <sub>WA6</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82 | 58  | 64  | 73  | 78 | 76 | 72 | 66 | 74                   | 55  | 63  | 70  | 70 | 66 | 60 | 47 | 69                                   | 47  | 58  | 62  | 65 | 62 | 57 | 48 | 65                   | 45  | 59  | 56  | 60 | 59 | 54 | 38 |
|                         | 400 | 88 | 77  | 78  | 82  | 83 | 79 | 73 | 68 | 76                   | 62  | 64  | 71  | 71 | 67 | 61 | 48 | 75                                   | 66  | 65  | 68  | 70 | 68 | 64 | 50 | 64                   | 43  | 57  | 55  | 59 | 57 | 52 | 36 |
| Outlet L <sub>WA6</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82 | 58  | 64  | 73  | 78 | 76 | 72 | 66 | 92                   | 70  | 78  | 86  | 88 | 85 | 80 | 71 | 92                                   | 73  | 78  | 88  | 88 | 83 | 79 | 69 | 93                   | 62  | 78  | 88  | 88 | 85 | 82 | 73 |
|                         | 400 | 88 | 77  | 78  | 82  | 83 | 79 | 73 | 68 | 94                   | 72  | 81  | 88  | 90 | 87 | 83 | 74 | 97                                   | 80  | 84  | 93  | 92 | 89 | 86 | 77 | 92                   | 73  | 78  | 88  | 88 | 83 | 79 | 69 |
| Casing L <sub>WA2</sub> |     |    |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |     |     |     |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 66 | 60  | 54  | 57  | 57 | 57 | 59 | 54 | 75                   | 61  | 60  | 70  | 70 | 65 | 62 | 50 | 78                                   | 55  | 67  | 74  | 75 | 65 | 62 | 58 | 83                   | 55  | 72  | 80  | 77 | 71 | 69 | 59 |
|                         | 400 | 72 | 69  | 61  | 63  | 61 | 60 | 60 | 56 | 75                   | 62  | 62  | 71  | 71 | 67 | 64 | 53 | 87                                   | 70  | 73  | 85  | 80 | 75 | 71 | 60 | 78                   | 55  | 67  | 74  | 75 | 65 | 62 | 58 |

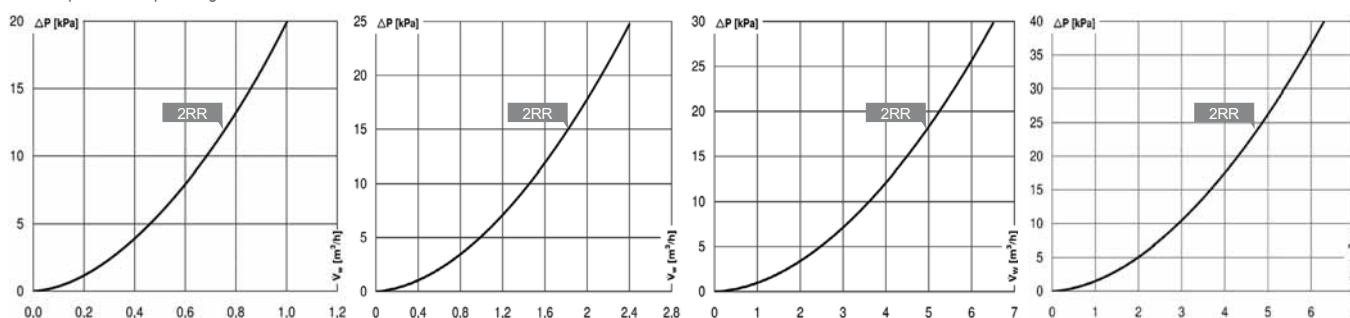
## Heat recovery wheel

| t <sub>Le</sub> Supply | Type RWT 2,0          | Size 700               |                 |      |                 |                 |      | Size 900               |                 |      |                 |                 |      | Size 1200              |                 |      |                 |                 |      | Size 1600              |                 |      |                 |                 |      |
|------------------------|-----------------------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|
|                        |                       | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      |
|                        |                       | 1000 m³/h              |                 |      | 1500 m³/h       |                 |      | 3000 m³/h              |                 |      | 3500 m³/h       |                 |      | 5000 m³/h              |                 |      | 5500 m³/h       |                 |      | 7500 m³/h              |                 |      | 8500 m³/h       |                 |      |
|                        |                       | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    |
| °C                     | %                     | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              |                 |      |
| -20                    | 22 °C 50% Exhaust Air | 14,5                   | 82              | 14,0 | 12,4            | 77              | 20,0 | 11,2                   | 74              | 38,0 | 10,0            | 71              | 43,0 | 10,7                   | 73              | 63,0 | 10,0            | 71              | 67,0 | 12,2                   | 77              | 98,0 | 11,3            | 75              | 108  |
| -15                    |                       | 15,4                   | 82              | 13,0 | 13,5            | 77              | 18,0 | 12,4                   | 74              | 34,0 | 11,4            | 71              | 38,0 | 12,0                   | 73              | 56,0 | 11,4            | 71              | 60,0 | 13,3                   | 76              | 88,0 | 12,5            | 74              | 97,0 |
| -10                    |                       | 16,2                   | 82              | 11,0 | 14,5            | 77              | 15,0 | 13,6                   | 74              | 30,0 | 12,7            | 71              | 33,0 | 13,3                   | 73              | 49,0 | 12,7            | 71              | 52,0 | 14,4                   | 76              | 77,0 | 13,7            | 74              | 85,0 |
| -5                     |                       | 17,1                   | 82              | 9,0  | 15,7            | 76              | 13,0 | 14,8                   | 73              | 25,0 | 14,1            | 71              | 28,0 | 14,6                   | 72              | 42,0 | 14,1            | 71              | 45,0 | 15,5                   | 76              | 65,0 | 15,0            | 74              | 72,0 |

## Heating coil LPHW

| t <sub>w</sub> Water | t <sub>Le</sub> Air in | Air volume 700       |    |                 |    | Size 900                   |    |                 |    | Size 1200                  |    |                 |    | Size 1600                  |     |                 |     |
|----------------------|------------------------|----------------------|----|-----------------|----|----------------------------|----|-----------------|----|----------------------------|----|-----------------|----|----------------------------|-----|-----------------|-----|
|                      |                        | Size V̇ <sub>L</sub> |    |                 |    | Air volume V̇ <sub>L</sub> |    |                 |    | Air volume V̇ <sub>L</sub> |    |                 |    | Air volume V̇ <sub>L</sub> |     |                 |     |
|                      |                        | 1000 m³/h            |    | 1500 m³/h       |    | 3000 m³/h                  |    | 3500 m³/h       |    | 5000 m³/h                  |    | 5500 m³/h       |    | 7500 m³/h                  |     | 8500 m³/h       |     |
|                      |                        | 2RR                  |    | 2RR             |    | 2RR                        |    | 2RR             |    | 2RR                        |    | 2RR             |    | 2RR                        |     | 2RR             |     |
|                      |                        | t <sub>La</sub>      | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>            | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>            | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>            | Q   | t <sub>La</sub> | Q   |
|                      |                        | °C                   | kW | °C              | kW | °C                         | kW | °C              | kW | °C                         | kW | °C              | kW | °C                         | kW  | °C              | kW  |
| 60 - 40              | +5                     | 31                   | 9  | 27              | 12 | 28                         | 24 | 27              | 27 | 26                         | 37 | 25              | 40 | 30                         | 68  | 29              | 73  |
|                      | +10                    | 32                   | 8  | 30              | 10 | 30                         | 21 | 29              | 23 | 28                         | 32 | 30              | 28 | 32                         | 58  | 31              | 64  |
| 70 - 50              | +5                     | 38                   | 12 | 34              | 15 | 34                         | 31 | 33              | 35 | 32                         | 48 | 31              | 52 | 37                         | 85  | 36              | 93  |
|                      | +10                    | 39                   | 10 | 36              | 14 | 37                         | 28 | 35              | 31 | 35                         | 43 | 34              | 46 | 39                         | 76  | 38              | 83  |
| 80 - 60              | +5                     | 45                   | 14 | 40              | 18 | 41                         | 38 | 39              | 42 | 39                         | 60 | 37              | 63 | 44                         | 103 | 42              | 112 |
|                      | +10                    | 46                   | 13 | 42              | 17 | 43                         | 35 | 41              | 38 | 41                         | 54 | 40              | 57 | 46                         | 94  | 44              | 102 |
| 82 - 71              | +5                     | 51                   | 16 | 45              | 21 | 46                         | 44 | 44              | 49 | 45                         | 70 | 43              | 75 | 49                         | 118 | 48              | 128 |
|                      | +10                    | 53                   | 15 | 47              | 20 | 49                         | 41 | 47              | 45 | 47                         | 64 | 46              | 68 | 51                         | 108 | 50              | 118 |
| 110 - 70             | +5                     | 55                   | 18 | 49              | 23 | 50                         | 48 | 48              | 53 | 47                         | 74 | 45              | 79 | 54                         | 131 | 52              | 142 |
|                      | +10                    | 57                   | 19 | 51              | 22 | 52                         | 44 | 50              | 49 | 49                         | 68 | 48              | 73 | 56                         | 121 | 54              | 132 |

## Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L * (t_{La} - t_{Le}) * 1,22 / 3600$  [kW]

Water volume  $\dot{V}_W = Q * 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000$  m³/h;  $t_{Le} / t_{La} = -15/25$ °C;  $t_{We} / t_{Wa} = 70/50$  °C

$Q = 3.000 * 40 * 1,22 / 3.600 = 41$  kW  
 $\dot{V}_W = 41 * 0,86 / 20 = 1,76$  m³/h

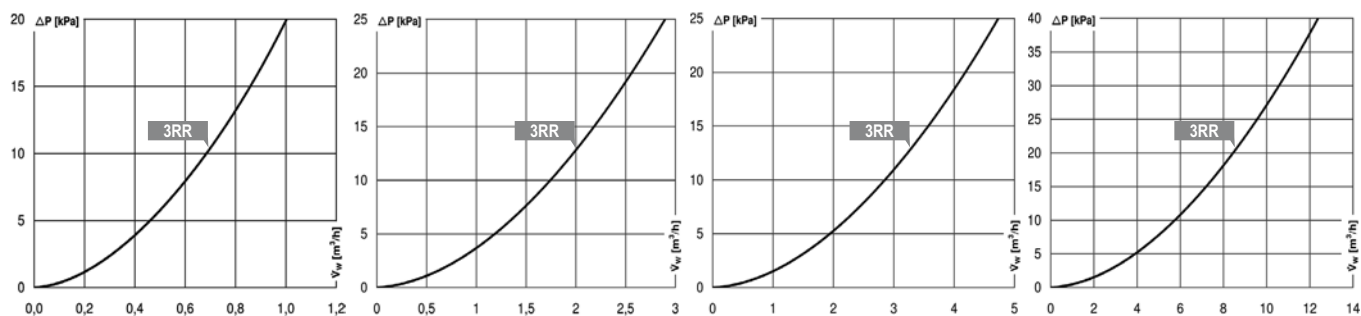
## Legend

- f = Frequency [Hz]
- $I_{max}$  = Max. operating current [A]
- LWA2 = Casing - sound power level [dB (A)]
- LWA5 = Inlet - sound power level [dB (A)]
- LWA6 = Outlet - sound power level [dB (A)]
- $\eta_{Tt}$  = Efficiency Heat Exchanger
- Temperature [%]
- P<sub>1</sub> = Rated power [W]
- Q = Heating Capacity [kW]
- RR = Number of rows
- $t_{La}$  = Air out temperature [°C]
- $t_{Le}$  = Air in temperature [°C]
- $t_{We}$  = Water in temperature [°C]
- $t_{Wa}$  = Water out temperature [°C]
- $t_w$  = Water Temperature [°C]
- U = Voltage [V]
- $\dot{V}_L$  = Air volume referred to 20 °C [m³/h]
- $\dot{V}_W$  = Water volume [m³/h]
- $\Delta P_{stat}$  = Static pressure increase [Pa]
- ID = Part ID

Cooling coil LPCW (Low Pressure Cold Water)

| $t_{e, \text{Water}}$ | $t_{e, \text{Air in}}$ | Size 700               |         |                 |         | Size 900               |         |                 |         | Size 1200              |         |                 |         | Size 1600              |         |                 |         |
|-----------------------|------------------------|------------------------|---------|-----------------|---------|------------------------|---------|-----------------|---------|------------------------|---------|-----------------|---------|------------------------|---------|-----------------|---------|
|                       |                        | Air volume $\dot{V}_L$ |         |                 |         | Air volume $\dot{V}_L$ |         |                 |         | Air volume $\dot{V}_L$ |         |                 |         | Air volume $\dot{V}_L$ |         |                 |         |
|                       |                        | 1000 m³/h              |         | 1500 m³/h       |         | 3000 m³/h              |         | 3500 m³/h       |         | 5000 m³/h              |         | 5500 m³/h       |         | 7500 m³/h              |         | 8500 m³/h       |         |
|                       |                        | 3RR                    |         | 3RR             |         | 3RR                    |         | 3RR             |         | 3RR                    |         | 3RR             |         | 3RR                    |         | 3RR             |         |
|                       |                        | $t_{L,a}$<br>°C        | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C        | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C        | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW | $t_{L,a}$<br>°C        | Q<br>kW | $t_{L,a}$<br>°C | Q<br>kW |
| 6 - 12 °C             | 32 °C 40 % r. H.       | 17                     | 6       | 19              | 8       | 19                     | 17      | 20              | 19      | 18                     | 30      | 19              | 33      | 17                     | 50      | 18              | 55      |

Medium pressure drop cooling coil



#### Legend

Q = Heating Capacity [kW]  
r. F. = Relative humidity [%]  
RR = Number of rows  
 $t_{L,a}$  = Air out temperature [°C]  
 $t_{e}$  = Air in temperature [°C]  
 $\dot{V}_L$  = Air volume referred to 20 °C [m³/h]  
 $\Delta P_{\text{stat}}$  = Static pressure increase [Pa]  
ID = Part ID

|      | <b>RLE 700 FC 12</b><br>ID 119126                                                      | <b>RLE 900 FC 12</b><br>ID 118822                                                        | <b>RLE 1200 FC 12</b><br>ID 119647                                                        | <b>RLE 1200 EC 12</b><br>ID 120518                                                        | <b>RLE 1600 EC 12</b><br>ID 120378                                                        |
|------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| MWR. | 400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br>Connection side right | 400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br>Connection side right | 400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br>Connection side right | 400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/82 db(A)<br>Connection side right | 400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/87 db(A)<br>Connection side right |
|      | <b>RLE 700 FC 13</b><br>ID 119129                                                      | <b>RLE 900 FC 13</b><br>ID 118825                                                        | <b>RLE 1200 FC 13</b><br>ID 119650                                                        | <b>RLE 1200 EC 13</b><br>ID 120521                                                        | <b>RLE 1600 EC 13</b><br>ID 120381                                                        |
| MWR. | 400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br>Connection side left  | 400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br>Connection side left  | 400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br>Connection side left  | 400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/82 db(A)<br>Connection side left  | 400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/87 db(A)<br>Connection side left  |

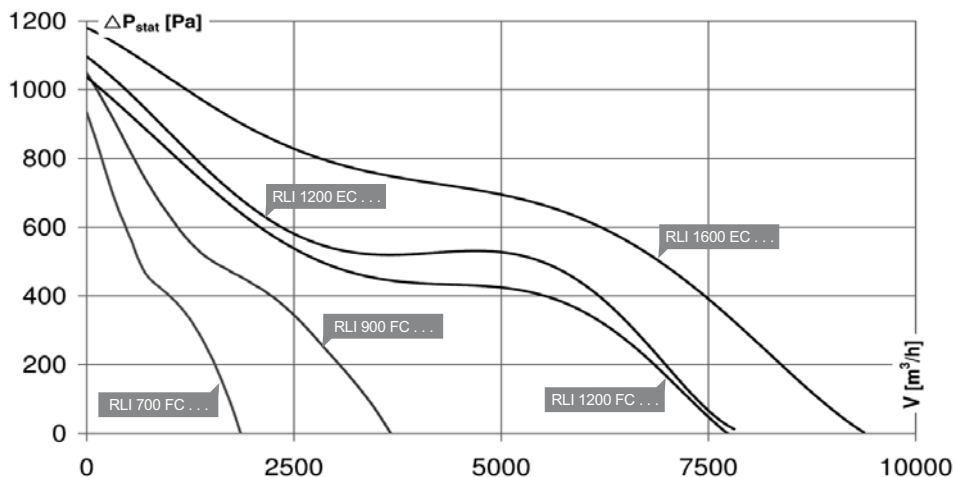


**Specific Accessories**  
For details see page: 150

|         |                                 |                                 |                                 |                                 |                                 |                                             |
|---------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------------------|
| MYMKU.  | <b>UKR 5025 02</b><br>ID 119718 | <b>UKR 6030 01</b><br>ID 113591 | <b>UKR 8050 02</b><br>ID 118052 | <b>UKR 8050 02</b><br>ID 118052 |                                 | <b>Transition</b><br>rectangular/round duct |
| MYMRV.  | <b>VM 250</b><br>ID 102651      | <b>VM 355</b><br>ID 102653      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>Fast Clamps</b><br>1 set = 2 pcs.        |
| MYMRDS. | <b>SDS 250</b><br>ID 102721     | <b>SDS 355</b><br>ID 102725     | <b>SDS 500</b><br>ID 118834     | <b>SDS 500</b><br>ID 118834     |                                 | <b>Duct Silencer</b><br>rigid, 1 m          |
| MYMRDF. | <b>SDF 250</b><br>ID 102705     | <b>SDF 355</b><br>ID 102707     |                                 |                                 |                                 | <b>Duct Silencer</b><br>flexibel, 1 m       |
| MYMEP.  | <b>LFP 17 F5</b><br>ID 119032   | <b>LFP 25 F5</b><br>ID 112169   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 27 F5</b><br>ID 120223   | <b>Replacement Filter</b>                   |
| MYMEP.  | <b>LFP 17 F7</b><br>ID 119033   | <b>LFP 25 F7</b><br>ID 112170   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 27 F7</b><br>ID 120224   | <b>Replacement Filter</b>                   |
| MYSL.S. | <b>STK 02</b><br>ID 112935      | <b>STK 02</b><br>ID 112935      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>Three way ball valve</b>                 |
| MYSL.S. | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>Three way ball valve</b>                 |
| MYMWR.  | <b>RD RLE 700</b><br>ID 121627  | <b>RD RLE 900</b><br>ID 121551  | <b>RD RLE 1200</b><br>ID 121745 | <b>RD RLE 1200</b><br>ID 121745 | <b>RD RLE 1600</b><br>ID 122211 | <b>Rain Cover</b>                           |
|         |                                 |                                 |                                 |                                 |                                 |                                             |
|         |                                 |                                 |                                 |                                 |                                 |                                             |
|         |                                 |                                 |                                 |                                 |                                 |                                             |
|         |                                 |                                 |                                 |                                 |                                 |                                             |

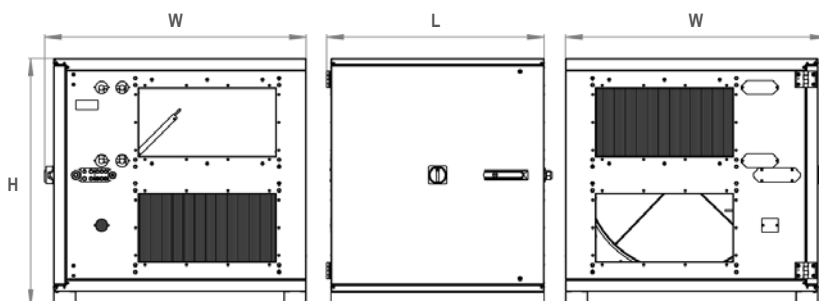






| Type           | ID     | U<br>[V] | f<br>[Hz] | I <sub>max.</sub><br>[A] | P <sub>1</sub><br>[W] | Rows<br>Warm water | Rows<br>DX-Coil | W<br>[mm] | H<br>[mm] | L<br>[mm] | Weight<br>[kg] |
|----------------|--------|----------|-----------|--------------------------|-----------------------|--------------------|-----------------|-----------|-----------|-----------|----------------|
| RLE 700 FC 14  | 119132 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3               | 946       | 895       | 786       | 180,0          |
| RLE 700 FC 15  | 119135 | 400V 3~  | 50        | 3,4                      | 890                   | 2                  | 3               | 946       | 895       | 786       | 180,0          |
| RLE 900 FC 14  | 118828 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3               | 1146      | 1095      | 786       | 250,0          |
| RLE 900 FC 15  | 118831 | 400V 3~  | 50        | 8,0                      | 2260                  | 2                  | 3               | 1146      | 1095      | 786       | 250,0          |
| RLE 1200 FC 14 | 119653 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3               | 1446      | 1395      | 786       | 285,0          |
| RLE 1200 FC 15 | 119656 | 400V 3~  | 50        | 12,6                     | 4100                  | 2                  | 3               | 1446      | 1395      | 786       | 285,0          |
| RLE 1200 EC 14 | 120524 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3               | 1446      | 1395      | 786       | 295,0          |
| RLE 1200 EC 15 | 120527 | 400V 3~N | 50        | 7,0                      | 3900                  | 2                  | 3               | 1446      | 1395      | 786       | 295,5          |
| RLE 1600 EC 14 | 120384 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3               | 1846      | 1795      | 786       |                |
| RLE 1600 EC 15 | 120387 | 400V 3~N | 50        | 6,8                      | 3840                  | 2                  | 3               | 1846      | 1795      | 786       |                |

- heat recovery unit with heat recovery wheel
- Frameless casing, galvanised sheet metal 2 x 1 mm with 40 mm mineral wool insulation
- Integrated controls in the unit
- Large surface compact filter F5/F7
- Re-heat coil (LPHW)
- Cooling coil, DX coil (optional)
- Easy to clean smooth finish design and covered cable routing



| ID 119132 - 119135      |     |     |     |     |    |    |    |    |    | ID 118828 - 118831   |     |     |     |    |    |    |    | ID 119653 - 119656 - 120524 - 120527 |    |     |     |     |    |    |    | ID 120384 - 120387   |    |    |     |     |     |    |    |    |    |
|-------------------------|-----|-----|-----|-----|----|----|----|----|----|----------------------|-----|-----|-----|----|----|----|----|--------------------------------------|----|-----|-----|-----|----|----|----|----------------------|----|----|-----|-----|-----|----|----|----|----|
|                         | Σ   | 125 | 250 | 500 | 1k | 2k | 4k | 8k |    | Σ                    | 125 | 250 | 500 | 1k | 2k | 4k | 8k |                                      | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k                   |    | Σ  | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79  | 55  | 62  | 73 | 72 | 73 | 72 | 67 | 87                   | 67  | 78  | 81  | 82 | 80 | 76 | 67 | 82                                   | 59 | 70  | 75  | 77  | 75 | 72 | 64 | 88                   | 58 | 76 | 81  | 83  | 82  | 81 | 71 |    |    |
|                         | 400 | 81  | 63  | 70  | 76 | 76 | 74 | 71 | 66 | 89                   | 69  | 80  | 83  | 84 | 83 | 79 | 72 | 93                                   | 78 | 83  | 87  | 88  | 86 | 82 | 73 | 82                   | 59 | 70 | 75  | 77  | 75  | 72 | 64 |    |    |
| Inlet L <sub>WA5</sub>  |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 79  | 55  | 62  | 73 | 72 | 73 | 72 | 67 | 70                   | 56  | 61  | 65  | 65 | 62 | 57 | 51 | 67                                   | 50 | 61  | 58  | 61  | 59 | 56 | 44 | 68                   | 46 | 61 | 59  | 63  | 62  | 58 | 43 |    |    |
|                         | 400 | 81  | 63  | 70  | 76 | 76 | 74 | 71 | 66 | 73                   | 60  | 64  | 69  | 67 | 63 | 58 | 48 | 70                                   | 63 | 62  | 60  | 64  | 62 | 57 | 47 | 66                   | 44 | 61 | 58  | 61  | 59  | 54 | 41 |    |    |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82  | 58  | 64  | 73 | 78 | 76 | 72 | 66 | 74                   | 55  | 63  | 70  | 70 | 66 | 60 | 47 | 69                                   | 47 | 58  | 62  | 65  | 62 | 57 | 48 | 65                   | 45 | 59 | 56  | 60  | 59  | 54 | 38 |    |    |
|                         | 400 | 88  | 77  | 78  | 82 | 83 | 79 | 73 | 68 | 76                   | 62  | 64  | 71  | 71 | 67 | 61 | 48 | 75                                   | 66 | 65  | 68  | 70  | 68 | 64 | 50 | 64                   | 43 | 57 | 55  | 59  | 57  | 52 | 36 |    |    |
| Outlet L <sub>WA6</sub> |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 82  | 58  | 64  | 73 | 78 | 76 | 72 | 66 | 92                   | 70  | 78  | 86  | 88 | 85 | 80 | 71 | 92                                   | 73 | 78  | 88  | 88  | 83 | 79 | 69 | 93                   | 62 | 78 | 88  | 88  | 85  | 82 | 73 |    |    |
|                         | 400 | 88  | 77  | 78  | 82 | 83 | 79 | 73 | 68 | 94                   | 72  | 81  | 88  | 90 | 87 | 83 | 74 | 97                                   | 80 | 84  | 93  | 92  | 89 | 86 | 77 | 92                   | 73 | 78 | 88  | 88  | 83  | 79 | 69 |    |    |
| Casing L <sub>WA2</sub> |     |     |     |     |    |    |    |    |    | Sound power [dB (A)] |     |     |     |    |    |    |    | Sound power [dB (A)]                 |    |     |     |     |    |    |    | Sound power [dB (A)] |    |    |     |     |     |    |    |    |    |
| P <sub>st</sub> [Pa]    | 250 | 66  | 60  | 54  | 57 | 57 | 57 | 59 | 54 | 75                   | 61  | 60  | 70  | 70 | 65 | 62 | 50 | 78                                   | 55 | 67  | 74  | 75  | 65 | 62 | 58 | 83                   | 55 | 72 | 80  | 77  | 71  | 69 | 59 |    |    |
|                         | 400 | 72  | 69  | 61  | 63 | 61 | 60 | 60 | 56 | 75                   | 62  | 62  | 71  | 71 | 67 | 64 | 53 | 87                                   | 70 | 73  | 85  | 80  | 75 | 71 | 60 | 78                   | 55 | 67 | 74  | 75  | 65  | 62 | 58 |    |    |

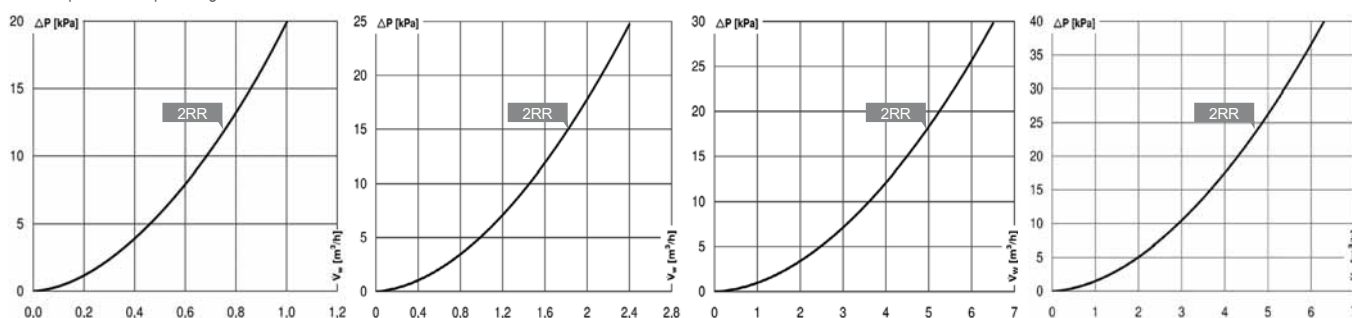
## Heat recovery wheel

| t <sub>Le</sub> Supply | Type RWT 2,0          | Size 700               |                 |      |                 |                 |      | Size 900               |                 |      |                 |                 |      | Size 1200              |                 |      |                 |                 |      | Size 1600              |                 |      |                 |                 |      |
|------------------------|-----------------------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|------------------------|-----------------|------|-----------------|-----------------|------|
|                        |                       | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      | Air volume $\dot{V}_L$ |                 |      |                 |                 |      |
|                        |                       | 1000 m³/h              |                 |      | 1500 m³/h       |                 |      | 3000 m³/h              |                 |      | 3500 m³/h       |                 |      | 5000 m³/h              |                 |      | 5500 m³/h       |                 |      | 7500 m³/h              |                 |      | 8500 m³/h       |                 |      |
|                        |                       | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    | t <sub>La</sub>        | η <sub>Tt</sub> | Q    | t <sub>La</sub> | η <sub>Tt</sub> | Q    |
| °C                     | %                     | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              | °C              | %    | kW                     | °C              | %    | kW              |                 |      |
| -20                    | 22 °C 50% Exhaust Air | 14,5                   | 82              | 14,0 | 12,4            | 77              | 20,0 | 11,2                   | 74              | 38,0 | 10,0            | 71              | 43,0 | 10,7                   | 73              | 63,0 | 10,0            | 71              | 67,0 | 12,2                   | 77              | 98,0 | 11,3            | 75              | 108  |
| -15                    |                       | 15,4                   | 82              | 13,0 | 13,5            | 77              | 18,0 | 12,4                   | 74              | 34,0 | 11,4            | 71              | 38,0 | 12,0                   | 73              | 56,0 | 11,4            | 71              | 60,0 | 13,3                   | 76              | 88,0 | 12,5            | 74              | 97,0 |
| -10                    |                       | 16,2                   | 82              | 11,0 | 14,5            | 77              | 15,0 | 13,6                   | 74              | 30,0 | 12,7            | 71              | 33,0 | 13,3                   | 73              | 49,0 | 12,7            | 71              | 52,0 | 14,4                   | 76              | 77,0 | 13,7            | 74              | 85,0 |
| -5                     |                       | 17,1                   | 82              | 9,0  | 15,7            | 76              | 13,0 | 14,8                   | 73              | 25,0 | 14,1            | 71              | 28,0 | 14,6                   | 72              | 42,0 | 14,1            | 71              | 45,0 | 15,5                   | 76              | 65,0 | 15,0            | 74              | 72,0 |

## Heating coil LPHW

| t <sub>w</sub> Water | t <sub>Le</sub> Air in | Air volume 700   |    |                 |    | Size 900               |    |                 |    | Size 1200              |    |                 |    | Size 1600              |     |                 |     |
|----------------------|------------------------|------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|----|-----------------|----|------------------------|-----|-----------------|-----|
|                      |                        | Size $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |    |                 |    | Air volume $\dot{V}_L$ |     |                 |     |
|                      |                        | 1000 m³/h        |    | 1500 m³/h       |    | 3000 m³/h              |    | 3500 m³/h       |    | 5000 m³/h              |    | 5500 m³/h       |    | 7500 m³/h              |     | 8500 m³/h       |     |
|                      |                        | 2RR              |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |    | 2RR             |    | 2RR                    |     | 2RR             |     |
|                      |                        | t <sub>La</sub>  | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q  | t <sub>La</sub> | Q  | t <sub>La</sub>        | Q   | t <sub>La</sub> | Q   |
| °C                   |                        | °C               | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW | °C              | kW | °C                     | kW  | °C              | kW  |
| 60 - 40              | +5                     | 31               | 9  | 27              | 12 | 28                     | 24 | 27              | 27 | 26                     | 37 | 25              | 40 | 30                     | 68  | 29              | 73  |
|                      | +10                    | 32               | 8  | 30              | 10 | 30                     | 21 | 29              | 23 | 28                     | 32 | 30              | 28 | 32                     | 58  | 31              | 64  |
| 70 - 50              | +5                     | 38               | 12 | 34              | 15 | 34                     | 31 | 33              | 35 | 32                     | 48 | 31              | 52 | 37                     | 85  | 36              | 93  |
|                      | +10                    | 39               | 10 | 36              | 14 | 37                     | 28 | 35              | 31 | 35                     | 43 | 34              | 46 | 39                     | 76  | 38              | 83  |
| 80 - 60              | +5                     | 45               | 14 | 40              | 18 | 41                     | 38 | 39              | 42 | 39                     | 60 | 37              | 63 | 44                     | 103 | 42              | 112 |
|                      | +10                    | 46               | 13 | 42              | 17 | 43                     | 35 | 41              | 38 | 41                     | 54 | 40              | 57 | 46                     | 94  | 44              | 102 |
| 82 - 71              | +5                     | 51               | 16 | 45              | 21 | 46                     | 44 | 44              | 49 | 45                     | 70 | 43              | 75 | 49                     | 118 | 48              | 128 |
|                      | +10                    | 53               | 15 | 47              | 20 | 49                     | 41 | 47              | 45 | 47                     | 64 | 46              | 68 | 51                     | 108 | 50              | 118 |
| 110 - 70             | +5                     | 55               | 18 | 49              | 23 | 50                     | 48 | 48              | 53 | 47                     | 74 | 45              | 79 | 54                     | 131 | 52              | 142 |
|                      | +10                    | 57               | 19 | 51              | 22 | 52                     | 44 | 50              | 49 | 49                     | 68 | 48              | 73 | 56                     | 121 | 54              | 132 |

## Medium pressure drop heating coil



Heating Capacity  $Q = \dot{V}_L * (t_{La} - t_{Le}) * 1,22 / 3600$  [kW]  
 Water volume  $\dot{V}_W = Q * 0,86 / (t_{We} - t_{Wa})$  [m³/h]

Example:  
 $\dot{V}_L = 3.000 \text{ m}^3/\text{h}$ ;  $t_{Le} / t_{La} = -15/25^\circ\text{C}$ ;  $t_{We} / t_{Wa} = 70/50^\circ\text{C}$

$Q = 3.000 * 40 * 1,22 / 3.600 = 41 \text{ kW}$   
 $\dot{V}_W = 41 * 0,86 / 20 = 1,76 \text{ m}^3/\text{h}$

## Legend

- f = Frequency [Hz]
- I<sub>max</sub> = Max. operating current [A]
- LWA2 = Casing - sound power level [dB (A)]
- LWA5 = Inlet - sound power level [dB (A)]
- LWA6 = Outlet - sound power level [dB (A)]
- η<sub>Tt</sub> = Efficiency Heat Exchanger
- Temperature [%]
- P<sub>1</sub> = Rated power [W]
- Q = Heating Capacity [kW]
- RR = Number of rows
- t<sub>La</sub> = Air out temperature [°C]
- t<sub>Le</sub> = Air in temperature [°C]
- t<sub>We</sub> = Water in temperature [°C]
- t<sub>Wa</sub> = Water out temperature [°C]
- t<sub>w</sub> = Water Temperature [°C]
- U = Voltage [V]
- V<sub>L</sub> = Air volume referred to 20 °C [m³/h]
- V<sub>W</sub> = Water volume [m³/h]
- ΔP<sub>stat</sub> = Static pressure increase [Pa]
- ID = Part ID

DX coil

| Evaporation  | $t_{Le}$ Air in  | Size 700               |    |           |    | Size 900               |    |           |    | Size 1200              |    |           |    | Size 1600              |    |          |    |
|--------------|------------------|------------------------|----|-----------|----|------------------------|----|-----------|----|------------------------|----|-----------|----|------------------------|----|----------|----|
|              |                  | Air volume $\dot{V}_L$ |    |           |    | Air volume $\dot{V}_L$ |    |           |    | Air volume $\dot{V}_L$ |    |           |    | Air volume $\dot{V}_L$ |    |          |    |
|              |                  | 1000 m³/h              |    | 1500 m³/h |    | 3000 m³/h              |    | 3500 m³/h |    | 5000 m³/h              |    | 5500 m³/h |    | m³/h                   |    | m³/h     |    |
|              |                  | 3RR                    |    | 3RR       |    | 3RR                    |    | 3RR       |    | 3RR                    |    | 3RR       |    | 3RR                    |    | 3RR      |    |
|              |                  | $t_{La}$               | Q  | $t_{La}$  | Q  | $t_{La}$               | Q  | $t_{La}$  | Q  | $t_{La}$               | Q  | $t_{La}$  | Q  | $t_{La}$               | Q  | $t_{La}$ | Q  |
|              |                  | °C                     | kW | °C        | kW | °C                     | kW | °C        | kW | °C                     | kW | °C        | kW | °C                     | kW | °C       | kW |
| 6 °C (R407C) | 32 °C 40 % r. H. | 15                     | 8  | 18        | 10 | 18                     | 20 | 18        | 23 | 16                     | 38 | 17        | 40 | 15                     | 62 | 15       | 68 |

#### Legend

Q = Heating Capacity [kW]  
r. F. = Relative humidity [%]  
RR = Number of rows  
 $t_{La}$  = Air out temperature [°C]  
 $t_{Le}$  = Air in temperature [°C]  
 $\dot{V}_L$  = Air volume referred to 20 °C [m³/h]  
 $\Delta p_{stat}$  = Static pressure increase [Pa]  
ID = Part ID

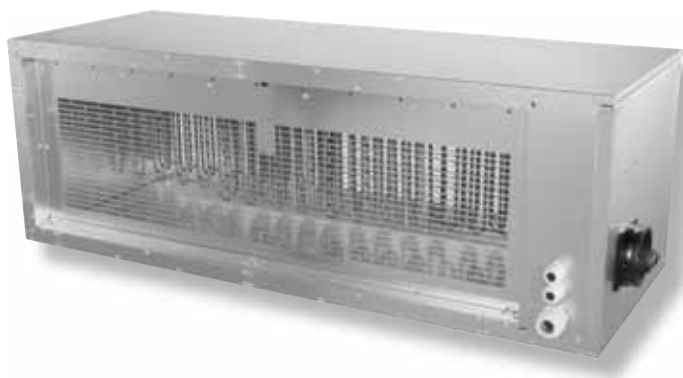
|     | <b>RLE 700 FC 14</b><br>ID 119132                                                      | <b>RLE 900 FC 14</b><br>ID 118828                                                        | <b>RLE 1200 FC 14</b><br>ID 119653                                                        | <b>RLE 1200 EC 14</b><br>ID 120524                                                        | <b>RLE 1600 EC 14</b><br>ID 120384                                                        |
|-----|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| MWR | 400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br>Connection side right | 400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br>Connection side right | 400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br>Connection side right | 400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/82 db(A)<br>Connection side right | 400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/87 db(A)<br>Connection side right |
|     | <b>RLE 700 FC 15</b><br>ID 119135                                                      | <b>RLE 900 FC 15</b><br>ID 118831                                                        | <b>RLE 1200 FC 15</b><br>ID 119656                                                        | <b>RLE 1200 EC 15</b><br>ID 120527                                                        | <b>RLE 1600 EC 15</b><br>ID 120387                                                        |
| MWR | 400V 3~/50Hz 50 °C<br>2000 m³/h 890 W<br>3,4 A 81/88/70 db(A)<br>Connection side left  | 400V 3~/50Hz 60 °C<br>4000 m³/h 2.260 W<br>8,0 A 71/74/53 db(A)<br>Connection side left  | 400V 3~/50Hz 70 °C<br>8240 m³/h 4.100 W<br>12,6 A 91/94/73 db(A)<br>Connection side left  | 400V 3~N/50Hz 40 °C<br>8530 m³/h 3.900 W<br>7,0 A 95/75/82 db(A)<br>Connection side right | 400V 3~N/50Hz 40 °C<br>9750 m³/h 3.840 W<br>6,8 A 93/71/87 db(A)<br>Connection side left  |



**Specific Accessories**  
For details see page: 150

|        |                                 |                                 |                                 |                                 |                                 |                                             |
|--------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------------------|
| MYMKU  | <b>UKR 5025 02</b><br>ID 119718 | <b>UKR 6030 01</b><br>ID 113591 | <b>UKR 8050 02</b><br>ID 118052 | <b>UKR 8050 02</b><br>ID 118052 |                                 | <b>Transition</b><br>rectangular/round duct |
| MYMRV  | <b>VM 250</b><br>ID 102651      | <b>VM 355</b><br>ID 102653      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>VM 500</b><br>ID 118094      | <b>Fast Clamps</b><br>1 set = 2 pcs.        |
| MYMRDS | <b>SDS 250</b><br>ID 102721     | <b>SDS 355</b><br>ID 102725     | <b>SDS 500</b><br>ID 118834     | <b>SDS 500</b><br>ID 118834     |                                 | <b>Duct Silencer</b><br>rigid, 1 m          |
| MYMRDF | <b>SDF 250</b><br>ID 102705     | <b>SDF 355</b><br>ID 102707     |                                 |                                 |                                 | <b>Duct Silencer</b><br>flexibel, 1 m       |
| MYMEP  | <b>LFP 17 F5</b><br>ID 119032   | <b>LFP 25 F5</b><br>ID 112169   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 15 F5</b><br>ID 108381   | <b>LFP 27 F5</b><br>ID 120223   | <b>Replacement Filter</b>                   |
| MYMEP  | <b>LFP 17 F7</b><br>ID 119033   | <b>LFP 25 F7</b><br>ID 112170   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 15 F7</b><br>ID 108674   | <b>LFP 27 F7</b><br>ID 120224   | <b>Replacement Filter</b>                   |
| MYSL   | <b>STK 02</b><br>ID 112935      | <b>STK 02</b><br>ID 112935      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>Three way ball valve</b>                 |
| MYSL   | <b>STK 03</b><br>ID 112936      | <b>STK 03</b><br>ID 112936      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>STK 04</b><br>ID 117602      | <b>Three way ball valve</b>                 |
| MYMWR  | <b>RD RLE 700</b><br>ID 121627  | <b>RD RLE 900</b><br>ID 121551  | <b>RD RLE 1200</b><br>ID 121745 | <b>RD RLE 1200</b><br>ID 121745 | <b>RD RLE 1600</b><br>ID 122211 | <b>Rain Cover</b>                           |
|        |                                 |                                 |                                 |                                 |                                 |                                             |
|        |                                 |                                 |                                 |                                 |                                 |                                             |
|        |                                 |                                 |                                 |                                 |                                 |                                             |
|        |                                 |                                 |                                 |                                 |                                 |                                             |





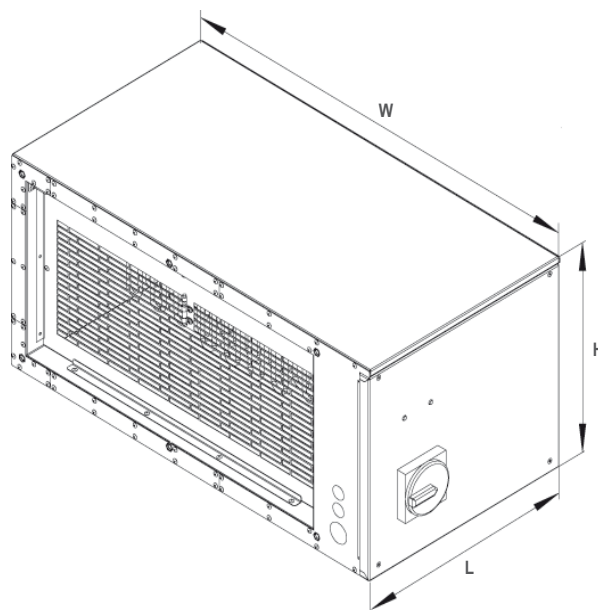
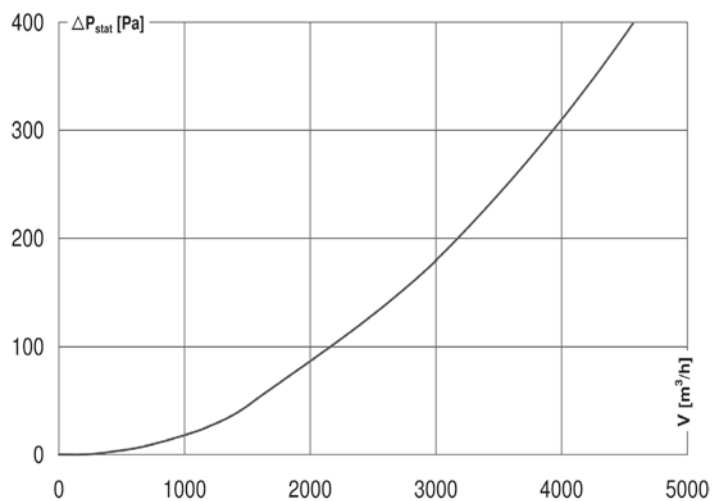
### Versatile usage

The electric heater battery can be combined with the units ROTOLINE and SLIGHTLINE with integrated controls.

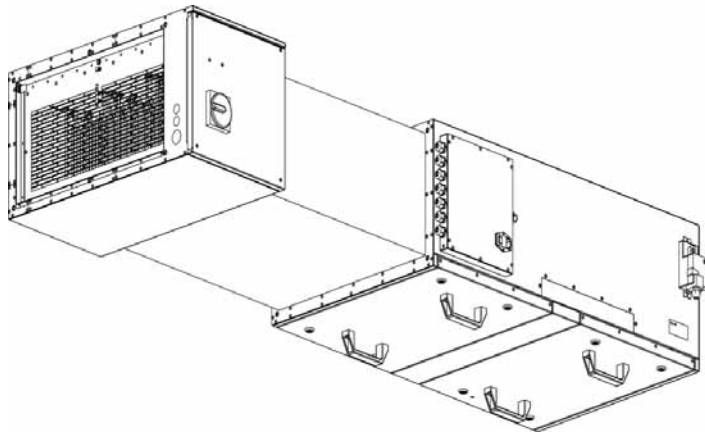
Easy connection between Air handling unit and remote control. Automatic software detection. Autonomous temperature control.

- Electric heater battery
- Autonomous temperature control
- Flexible connection
- 3 power stages 9 - 18 - 27kW
- Continuous control

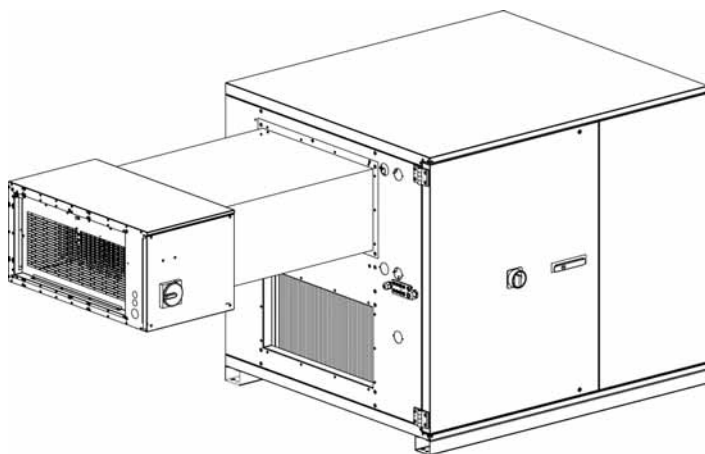
### Pressure drop diagram



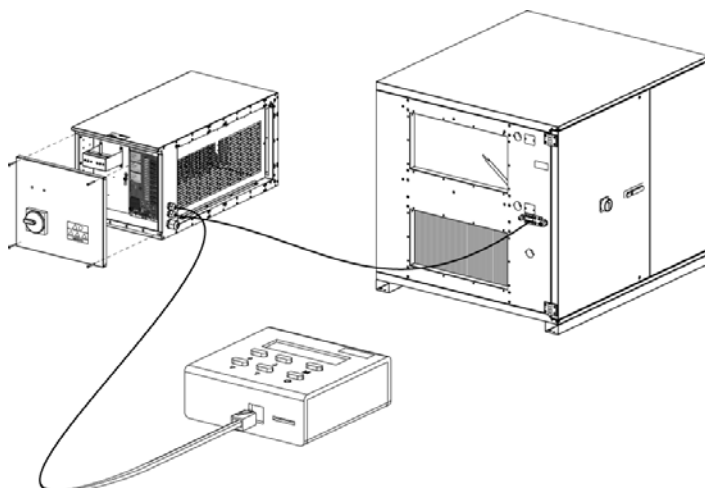
| Type            | ID     | U        | f    | I <sub>max.</sub> | Q     | W    | L    | H    | Weight | EUR    |
|-----------------|--------|----------|------|-------------------|-------|------|------|------|--------|--------|
|                 |        | [V]      | [Hz] | [A]               | [W]   | [mm] | [mm] | [mm] | [kg]   |        |
| EHM 5025 R09 01 | 121419 | 400V 3~N | 50   | 14,0              | 9000  | 754  | 424  | 367  | 20,0   | 1440,- |
| EHM 5025 L09 01 | 121420 | 400V 3~N | 50   | 14,0              | 9000  | 754  | 424  | 367  | 20,0   | 1440,- |
| EHM 5025 R18 01 | 121421 | 400V 3~N | 50   | 27,0              | 18000 | 754  | 424  | 367  | 21,5   | 1540,- |
| EHM 5025 L18 01 | 121422 | 400V 3~N | 50   | 27,0              | 18000 | 754  | 424  | 367  | 21,5   | 1540,- |
| EHM 6030 R09 01 | 121427 | 400V 3~N | 50   | 14,0              | 9000  | 754  | 400  | 367  | 20,0   | 1440,- |
| EHM 6030 L09 01 | 121428 | 400V 3~N | 50   | 14,0              | 9000  | 754  | 400  | 367  | 20,0   | 1440,- |
| EHM 6030 R18 01 | 121429 | 400V 3~N | 50   | 27,0              | 18000 | 754  | 400  | 367  | 21,5   | 1540,- |
| EHM 6030 L18 01 | 121430 | 400V 3~N | 50   | 27,0              | 18000 | 754  | 400  | 367  | 21,5   | 1540,- |
| EHM 6030 R27 01 | 121431 | 400V 3~N | 50   | 40,0              | 27000 | 754  | 400  | 367  | 23,0   | 1600,- |
| EHM 6030 L27 01 | 121432 | 400V 3~N | 50   | 40,0              | 27000 | 754  | 400  | 367  | 23,0   | 1600,- |



Connection to SLIGHTLINE



Connection to ROTOLINE



Simple connections



- Filter Box with Bag Filter F5
- Galvanized sheet steel housing
- Toggle-type fastener
- Integrated heating coil



- Filter Box for Bag Filter
- Galvanized sheet steel housing
- Toggle-type fastener
- Without filter



- Filter Box with Mat Filter G3
- Galvanized sheet steel housing
- Toggle-type fastener



- Z-Line-Filter
- 1 pc
- For FFH Supply Air Unit

#### Legend

|                 |                                         |
|-----------------|-----------------------------------------|
| V               | = Air volume in ducting at 5 m/s [m³/h] |
| Δp <sub>v</sub> | = Stat. Pressure loss [Pa]              |
| t <sub>Le</sub> | = Air in temp [°C]                      |
| t <sub>La</sub> | = Air out temperature [°C]              |
| t <sub>We</sub> | = Water in temp [°C]                    |
| t <sub>Wa</sub> | = Water out temp [°C]                   |
| P               | = Capacity heating coil [kW]            |
| t <sub>u</sub>  | = Max. ambient temperature [°C]         |
| ID              | = Part ID                               |

## Accessories Mechanical

| Type    | ID     |  | Replacement Filter | V̇  | t <sub>Le</sub> | t <sub>La</sub> | t <sub>We</sub> | t <sub>Wa</sub> | P  | WxHxL [mm] |                 |
|---------|--------|--|--------------------|-----|-----------------|-----------------|-----------------|-----------------|----|------------|-----------------|
| FTW 100 | 112849 |  | 102939             | 200 | 30              | -15             | 37,5            | 70              | 50 | 4,1        | 306 x 308 x 648 |
| FTW 125 | 112850 |  | 102939             | 200 | 30              | -15             | 37,5            | 70              | 50 | 4,1        | 306 x 308 x 648 |
| FTW 150 | 112851 |  | 102939             | 300 | 30              | -15             | 31,5            | 70              | 50 | 5,3        | 306 x 308 x 648 |
| FTW 160 | 112852 |  | 102939             | 350 | 30              | -15             | 27,2            | 70              | 50 | 6,5        | 306 x 308 x 648 |
| FTW 200 | 112853 |  | 102939             | 200 | 30              | -15             | 21,2            | 70              | 50 | 8,3        | 306 x 308 x 648 |
| FTW 250 | 112854 |  | 102939             | 200 | 30              | -15             | 31,1            | 70              | 50 | 17         | 306 x 308 x 648 |
|         |        |  |                    |     |                 |                 |                 |                 |    |            |                 |
| FTW 315 | 112855 |  | 102941             | 300 | 30              | -15             | 25,9            | 70              | 50 | 22         | 506 x 508 x 648 |
| FTW 355 | 112856 |  | 102941             | 350 | 30              | -15             | 22,2            | 70              | 50 | 26         | 506 x 508 x 648 |
| FTW 400 | 112857 |  | 102941             | 200 | 30              | -15             | 20,7            | 70              | 50 | 27         | 506 x 508 x 648 |

MYMRHH.

| Type   | ID     |  | Replacement Filter | V̇   |    | WxHxL [mm]      |
|--------|--------|--|--------------------|------|----|-----------------|
| FT 100 | 112844 |  | 102939             | 140  | 9  | 306 x 308 x 498 |
| FT 125 | 112843 |  | 102939             | 220  | 9  | 306 x 308 x 498 |
| FT 150 | 112842 |  | 102939             | 320  | 18 | 306 x 308 x 498 |
| FT 160 | 112841 |  | 102939             | 360  | 23 | 306 x 308 x 498 |
| FT 200 | 112840 |  | 102939             | 560  | 46 | 306 x 308 x 498 |
| FT 250 | 112845 |  | 102939             | 880  | 33 | 306 x 308 x 498 |
| FT 315 | 112846 |  | 102941             | 1400 | 58 | 506 x 508 x 498 |
| FT 355 | 112847 |  | 102941             | 1780 | 65 | 506 x 508 x 498 |
| FT 400 | 112848 |  | 102941             | 2260 | 90 | 506 x 508 x 498 |

MYMRHO.

| Type   | ID     |  | Replacement Filter | V̇   | Δp <sub>v</sub> | WxHxL [mm]      |
|--------|--------|--|--------------------|------|-----------------|-----------------|
| FV 100 | 112678 |  | ID 112683          | 140  | 7               | 206 x 207 x 198 |
| FV 125 | 112679 |  | ID 112683          | 220  | 16              | 206 x 207 x 198 |
| FV 150 | 112680 |  | ID 112683          | 320  | 30              | 206 x 207 x 198 |
| FV 160 | 112831 |  | ID 112683          | 360  | 38              | 206 x 207 x 198 |
| FV 200 | 112832 |  | ID 112684          | 560  | 64              | 306 x 307 x 198 |
| FV 250 | 112833 |  | ID 112684          | 880  | 50              | 306 x 307 x 198 |
| FV 315 | 112834 |  | ID 112685          | 1400 | 86              | 506 x 507 x 198 |
| FV 355 | 112835 |  | ID 112685          | 1780 | 118             | 506 x 507 x 198 |
| FV 400 | 112836 |  | ID 112685          | 2260 | 180             | 506 x 507 x 198 |

MYMRHL.

| Type      | ID     |  | For models:   | Filtration class | t <sub>u</sub> [°C] | WxHxL [mm]     |
|-----------|--------|--|---------------|------------------|---------------------|----------------|
| LFZ 05 G4 | 107407 |  | FFH 125 - 200 | G4               | 80                  | 277 x 334 x 48 |
| LFZ 05 F5 | 115268 |  | FFH 125 - 200 | F5               | 80                  | 277 x 334 x 48 |
| LFZ 05 F7 | 115269 |  | FFH 125 - 200 | F7               | 80                  | 277 x 334 x 48 |
| LFZ 25 G4 | 107408 |  | FFH 250 - 315 | G4               | 80                  | 337 x 394 x 48 |
| LFZ 25 F5 | 115270 |  | FFH 250 - 315 | F5               | 80                  | 337 x 394 x 48 |
| LFZ 25 F7 | 115271 |  | FFH 250 - 315 | F7               | 80                  | 337 x 394 x 48 |

MYMEZ.

| Type   | ID               |        | For models:                | Filtration class | t <sub>ij</sub> [°C] | WxHxL [mm]      |
|--------|------------------|--------|----------------------------|------------------|----------------------|-----------------|
| MYMEP. | <b>LFP 10 F5</b> | 108377 | ETA                        | F5               | 80                   | 592 x 287 x 48  |
|        | <b>LFP 11 F5</b> | 108378 | SL 6130                    | F5               | 80                   | 592 x 287 x 96  |
|        | <b>LFP 11 F7</b> | 108673 | SL 6130                    | F7               | 80                   | 592 x 287 x 96  |
|        | <b>LFP 11 F9</b> | 110638 | SL 6130                    | F9               | 80                   | 592 x 287 x 96  |
|        | <b>LFP 20 F5</b> | 108380 | SL 9130                    | F5               | 80                   | 892 x 287 x 96  |
|        | <b>LFP 20 F7</b> | 108379 | SL 9130                    | F7               | 80                   | 892 x 287 x 96  |
|        | <b>LFP 20 F9</b> | 110377 | SL 9130                    | F9               | 80                   | 892 x 287 x 96  |
|        | <b>LFP 22 F5</b> | 115506 | SL 9140                    | F5               | 80                   | 892 x 387 x 96  |
|        | <b>LFP 22 F7</b> | 115507 | SL 9140                    | F7               | 80                   | 892 x 387 x 96  |
|        | <b>LFP 22 F9</b> | 119232 | SL 9140                    | F9               | 80                   | 892 x 387 x 96  |
|        | <b>LFP 23 F5</b> | 119521 | SL 12140                   | F5               | 80                   | 1192 x 387 x 96 |
|        | <b>LFP 23 F7</b> | 122105 | SL 12140                   | F7               | 80                   | 1192 x 387 x 96 |
|        | <b>LFP 23 F9</b> | 122104 | SL 12140                   | F9               | 80                   | 1192 x 387 x 96 |
|        | <b>LFP 17 F5</b> | 119032 | RLI/E 700                  | F5               | 80                   | 826 x 340 x 96  |
|        | <b>LFP 17 F7</b> | 119033 | RLI/E 700                  | F7               | 80                   | 826 x 340 x 96  |
|        | <b>LFP 25 F5</b> | 112169 | RLI/E 900                  | F5               | 80                   | 956 x 440 x 96  |
|        | <b>LFP 25 F7</b> | 112170 | RLI/E 900                  | F7               | 80                   | 956 x 440 x 96  |
|        | <b>LFP 15 F5</b> | 108381 | RLI/E 1200 2 pcs. required | F5               | 80                   | 592 x 592 x 96  |
|        | <b>LFP 15 F7</b> | 108674 | RLI/E 1200 2 pcs. required | F7               | 80                   | 592 x 592 x 96  |
|        | <b>LFP 15 F9</b> | 109875 | RLI/E 1200 2 pcs. required | F9               | 80                   | 592 x 592 x 96  |
|        | <b>LFP 27 F5</b> | 120223 | RLI/E 1600 2 pcs. required | F5               | 80                   | 863 x 792 x 96  |
|        | <b>LFP 27 F7</b> | 120224 | RLI/E 1600 2 pcs. required | F7               | 80                   | 863 x 792 x 96  |



- Panel-Filter
- 1 pc
- For Ventilation Units

| Type   | ID               |        | For models:  | Filtration class | t <sub>ij</sub> [°C] | WxHxL [mm] |
|--------|------------------|--------|--------------|------------------|----------------------|------------|
| MYMEV. | <b>LFV 11 G3</b> | 112683 | FV 100 - 160 | G3               | 80                   | 201 x 239  |
|        | <b>LFV 16 G3</b> | 112684 | FV 200 - 250 | G3               | 80                   | 301 x 326  |
|        | <b>LFV 21 G3</b> | 112685 | FV 315 - 400 | G3               | 80                   | 501 x 514  |



- Fiber mat filter with wire frame
- 1 pack = 5 pcs.
- For FV Filter Box

| Type   | ID               |        | For models:      | Filtration class | t <sub>ij</sub> [°C] | WxHxL [mm]      |
|--------|------------------|--------|------------------|------------------|----------------------|-----------------|
| MYMET. | <b>LFT 05 G3</b> | 102946 | FTW/FT 100 - 250 | G3               | 80                   | 287 x 287 x 360 |
|        | <b>LFT 05 F5</b> | 102939 | FTW/FT 100 - 250 | F5               | 80                   | 287 x 287 x 360 |
|        | <b>LFT 05 F7</b> | 102945 | FTW/FT 100 - 250 | F7               | 80                   | 287 x 287 x 360 |
|        | <b>LFT 30 G3</b> | 102948 | FTW/FT 315 - 400 | G3               | 80                   | 487 x 487 x 360 |
|        | <b>LFT 30 F5</b> | 102941 | FTW/FT 315 - 400 | F5               | 80                   | 487 x 487 x 360 |
|        | <b>LFT 30 F7</b> | 102947 | FTW/FT 315 - 400 | F7               | 80                   | 487 x 487 x 360 |



- Bag Filter
- 1 pc
- For FT Filter Box

## Legend

t<sub>ij</sub> = Max. ambient temperature [°C]  
ID = Part ID





- Back Draught Shutter for duct installation
- Galvanized sheet steel housing
- Aluminium flaps

## Accessories Mechanical

| Type    | ID     |  |  | $\dot{V}$ | $\Delta p_v$ | $\varnothing$ [mm] |
|---------|--------|--|--|-----------|--------------|--------------------|
| RSK 100 | 102658 |  |  | 140       | 48           | 100                |
| RSK 125 | 102179 |  |  | 220       | 22           | 125                |
| RSK 150 | 102660 |  |  | 320       | 26           | 150                |
| RSK 160 | 102661 |  |  | 360       | 22           | 160                |
| RSK 200 | 102662 |  |  | 560       | 31           | 200                |
| RSK 250 | 102686 |  |  | 880       | 16           | 250                |
| RSK 315 | 102664 |  |  | 1400      | 15           | 315                |
| RSK 355 | 102665 |  |  | 1780      | 24           | 355                |
| RSK 400 | 102691 |  |  | 2260      | 10           | 400                |

MYMR.



- Back Draught Shutter for duct installation
- Galvanized sheet steel housing
- Aluminium flaps
- With rubber sealing

| Type     | ID     |  |  | $\dot{V}$ | $\Delta p_v$ | $\varnothing$ [mm] |
|----------|--------|--|--|-----------|--------------|--------------------|
| RSK 100D | 116061 |  |  | 140       | 48           | 100                |
| RSK 125D | 113483 |  |  | 220       | 22           | 125                |
| RSK 150D | 113484 |  |  | 320       | 26           | 150                |
| RSK 160D | 113485 |  |  | 360       | 22           | 160                |
| RSK 200D | 113487 |  |  | 560       | 31           | 200                |
| RSK 250D | 113488 |  |  | 880       | 16           | 250                |
| RSK 315D | 113489 |  |  | 1400      | 15           | 315                |
| RSK 355D | 113491 |  |  | 1780      | 24           | 355                |
| RSK 400D | 113490 |  |  | 2260      | 10           | 400                |

MYMR.



- fast clamps for noise reduction and sealing
- Sheet steel, galvanized
- 5 mm neoprene seal
- 1 set = 2 pcs.

| Type   | ID     |  |  |  | $\varnothing$ [mm] |
|--------|--------|--|--|--|--------------------|
| VM 100 | 102643 |  |  |  | 100                |
| VM 125 | 102647 |  |  |  | 125                |
| VM 150 | 102648 |  |  |  | 150                |
| VM 160 | 102649 |  |  |  | 160                |
| VM 200 | 102650 |  |  |  | 200                |
| VM 250 | 102651 |  |  |  | 250                |
| VM 280 | 115494 |  |  |  | 280                |
| VM 315 | 102652 |  |  |  | 315                |
| VM 355 | 102653 |  |  |  | 355                |
| VM 400 | 102654 |  |  |  | 400                |
| VM 450 | 119495 |  |  |  | 450                |
| VM 500 | 118094 |  |  |  | 500                |
| VM 560 | 119496 |  |  |  | 560                |
| VM 630 | 119497 |  |  |  | 630                |
| VM 710 | 119498 |  |  |  | 710                |

MYMR.

### Legend

$\dot{V}$  = Air volume in ducting at 5 m/s [m³/h]  
 $\Delta p_v$  = Stat. Pressure loss  
 ID = Part ID

|         | Type    | ID     |  |  | L [mm] Without Connection | Ø [mm] |
|---------|---------|--------|--|--|---------------------------|--------|
| MYMRDS. | SDS 100 | 102709 |  |  | 900                       | 100    |
|         | SDS 125 | 102712 |  |  | 1000                      | 125    |
|         | SDS 150 | 102714 |  |  | 900                       | 150    |
|         | SDS 160 | 102717 |  |  | 1000                      | 160    |
|         | SDS 200 | 102719 |  |  | 1000                      | 200    |
|         | SDS 250 | 102721 |  |  | 1000                      | 250    |
|         | SDS 280 | 115243 |  |  | 900                       | 280    |
|         | SDS 315 | 102723 |  |  | 1000                      | 315    |
|         | SDS 355 | 102725 |  |  | 1000                      | 355    |
|         | SDS 400 | 102727 |  |  | 1000                      | 400    |
|         | SDS 500 | 118834 |  |  | 1000                      | 500    |



- Duct Silencer, rigid
- Sound insulation material 50 mm
- Sheet steel, galvanized

|         | Type    | ID     |  |  | L [mm] Without Connection | Ø [mm] |
|---------|---------|--------|--|--|---------------------------|--------|
| MYMRDF. | SDF 100 | 102699 |  |  | 1000                      | 100    |
|         | SDF 125 | 102700 |  |  | 1000                      | 125    |
|         | SDF 150 | 102702 |  |  | 1000                      | 150    |
|         | SDF 160 | 102703 |  |  | 1000                      | 160    |
|         | SDF 200 | 102704 |  |  | 1000                      | 200    |
|         | SDF 250 | 102705 |  |  | 1000                      | 250    |
|         | SDF 315 | 102706 |  |  | 1000                      | 315    |
|         | SDF 355 | 102707 |  |  | 1000                      | 355    |
|         | SDF 400 | 102708 |  |  | 1000                      | 400    |



- Duct Silencer, flexible
- Aluminum housing
- Sound insulation material 50 mm

|        | Type       | ID     |  | For models: |  | WxHxL [mm]      |
|--------|------------|--------|--|-------------|--|-----------------|
| MYMWS. | SKA ETA 01 | 110347 |  | ETA 800     |  | 394 x 619 x 600 |
|        | SKA ETA 02 | 104502 |  | ETA 900     |  | 406 x 406 x 600 |



- Summer replacement for plate heat exchanger
- instead of plate heat exchanger
- Sheet steel, galvanized

|        | Type  | ID     |  | For models:   |  | WxHxL [mm]    |
|--------|-------|--------|--|---------------|--|---------------|
| MYMRK. | MRK 1 | 109888 |  | RK 100 - 125L |  | 42 x 20 x 245 |
|        | MRK 2 | 109889 |  | RK 150 - 250L |  | 42 x 20 x 340 |



- Mounting Bracket for RK tube fans
- Sheet steel, galvanized

|        | Type  | ID     |  | For models:         |  | WxHxL [mm]    |
|--------|-------|--------|--|---------------------|--|---------------|
| MYMRK. | MRS 1 | 110094 |  | RK 100 - 150, 160   |  | 58 x 35 x 240 |
|        | MRS 2 | 110095 |  | RK 150L, 160 - 315L |  | 58 x 35 x 340 |



- Mounting Bracket for RS tube fans
- Sheet steel, galvanized



- Inlet Protection grille for Etaline
- Sheet steel, galvanized

## Zubehör Mechanisch

| Type      | ID     |  | For models: |  | Ø [mm] |        |
|-----------|--------|--|-------------|--|--------|--------|
| SG 200 02 | 118634 |  | EL 200      |  | 200    | MYMRS. |
| SG 250 02 | 112677 |  | EL 250      |  | 250    |        |
| SG 280 02 | 115066 |  | EL 280      |  | 280    |        |
| SG 315 02 | 112675 |  | EL 315      |  | 315    |        |
| SG 355 02 | 112674 |  | EL 355      |  | 355    |        |



- Protection grille for round duct connection
- wire, galvanized

| Type      | ID     |  | For models: |  | Ø [mm] |        |
|-----------|--------|--|-------------|--|--------|--------|
| SG 100 01 | 102894 |  | RS/RK 100   |  | 100    | MYMRS. |
| SG 125 01 | 102895 |  | RS/RK 125   |  | 125    |        |
| SG 150 01 | 102896 |  | RS/RK 150   |  | 150    |        |
| SG 160 01 | 102897 |  | RS/RK 160   |  | 160    |        |
| SG 200 01 | 102898 |  | RS/RK 200   |  | 200    |        |
| SG 250 01 | 102899 |  | RS/RK 250   |  | 250    |        |
| SG 315 01 | 102900 |  | RS/RK 315   |  | 315    |        |



- Transition
- Sheet steel, galvanized

| Type        | ID     |  | Duct Dimensions [mm] | Ø [mm] | WxHxL [mm]      |        |
|-------------|--------|--|----------------------|--------|-----------------|--------|
| UKR 5025 02 | 119718 |  | 500 x 250            | 250    |                 | MYMKU. |
| UKR 6030 01 | 113591 |  | 600 x 300            | 355    | 340 x 300 x 650 |        |
| UKR 6030 02 | 114370 |  | 600 x 300            | 315    | 640 x 320 x 740 |        |
| UKR 8050 01 | 114494 |  | 800 x 500            | 355    | 540 x 295 x 840 |        |
| UKR 8050 02 | 118052 |  | 800 x 500            | 500    | 540 x 295 x 840 |        |

Scope of supply: 4 allen screw M8 x 16mm , 4 serrated lock washer for nominal size M8



- Adapter Plate
- Sheet steel, galvanized

| Type        | ID     |  | Duct Dimensions [mm] | Ø [mm] | WxHxL [mm]     |        |
|-------------|--------|--|----------------------|--------|----------------|--------|
| UKR 5025 01 | 114638 |  | 500 x 250            | 250    | 288 x 40 x 538 | MYMKU. |
| UKR 5030 01 | 114639 |  | 500 x 300            | 250    | 338 x 40 x 538 |        |
| UKR 5030 02 | 115193 |  | 500 x 300            | 280    | 338 x 40 x 538 |        |
| UKR 6030 03 | 114640 |  | 600 x 300            | 315    | 338 x 40 x 638 |        |
| UKR 6035 01 | 114641 |  | 600 x 350            | 355    | 388 x 40 x 638 |        |

Scope of supply: 4 allen screw M8 x 16mm , 4 serrated lock washer for nominal size M8

|        | Type            | ID     |  | Duct Dimensions [mm] | L [mm] flexibel |  |
|--------|-----------------|--------|--|----------------------|-----------------|--|
| MYMKF. | <b>VS 3015</b>  | 102801 |  | 300 x 150            | 55 - 130        |  |
|        | <b>VS 4020</b>  | 102802 |  | 400 x 200            | 55 - 130        |  |
|        | <b>VS 5025</b>  | 102804 |  | 500 x 250            | 55 - 130        |  |
|        | <b>VS 5030</b>  | 102805 |  | 500 x 300            | 55 - 130        |  |
|        | <b>VS 6030</b>  | 102806 |  | 600 x 300            | 55 - 130        |  |
|        | <b>VS 6035</b>  | 102808 |  | 600 x 350            | 55 - 130        |  |
|        | <b>VS 7040</b>  | 103951 |  | 700 x 400            | 55 - 130        |  |
|        | <b>VS 8050</b>  | 103953 |  | 800 x 500            | 55 - 130        |  |
|        | <b>VS 10050</b> | 103956 |  | 1000 x 500           | 55 - 130        |  |



- Flexible Duct Collar
- standard profile flange
- Sheet steel, galvanized
- plastic band (PVC)
- temperatur stability to 70 °C

|        | Type             | ID     |  | Duct Dimensions [mm] |  | WxHxL [mm]     |
|--------|------------------|--------|--|----------------------|--|----------------|
| MYMKV. | <b>VKK 3015</b>  | 103897 |  | 300 x 150            |  | 148 x 40 x 298 |
|        | <b>VKK 4020</b>  | 103896 |  | 400 x 200            |  | 198 x 40 x 398 |
|        | <b>VKK 5025</b>  | 103894 |  | 500 x 250            |  | 248 x 40 x 498 |
|        | <b>VKK 5030</b>  | 103893 |  | 500 x 300            |  | 298 x 40 x 498 |
|        | <b>VKK 6030</b>  | 103895 |  | 600 x 300            |  | 298 x 40 x 598 |
|        | <b>VKK 6035</b>  | 103892 |  | 600 x 350            |  | 348 x 40 x 598 |
|        | <b>VKK 7040</b>  | 103944 |  | 700 x 400            |  | 398 x 40 x 698 |
|        | <b>VKK 8050</b>  | 103945 |  | 800 x 500            |  | 498 x 40 x 798 |
|        | <b>VKK 10050</b> | 103946 |  | 1000 x 500           |  | 498 x 40 x 998 |



- automatic plastic shutter
- resistance to weathering
- temperatur stability to 70 °C

|        | Type             | ID     |  | For models:       |  |  |
|--------|------------------|--------|--|-------------------|--|--|
| MYMPT. | <b>TW MPC 01</b> | 112865 |  | MPC 280, 315, 355 |  |  |
|        | <b>TW MPC 02</b> | 112866 |  | MPC 400, 450, 500 |  |  |
|        | <b>TW MPC 03</b> | 122291 |  | MPC 560           |  |  |



- Baffle for MPC . . . N
- thus motor is outside of air stream
- Sheet steel, galvanized
- 1 set = 2 pcs.

|        | Type             | ID     |  | For models:       |  | WxHxL [mm]     |
|--------|------------------|--------|--|-------------------|--|----------------|
| MYMPM. | <b>MB MPC 01</b> | 116411 |  | MPC 280, 315, 355 |  | 415 x 38 x 415 |
|        | <b>MB MPC 02</b> | 116410 |  | MPC 400, 450, 500 |  | 616 x 39 x 618 |
|        | <b>MB MPC 03</b> | 122305 |  | MPC 560           |  | 816 x 39 x 818 |



- Cover plate for motor
- Senzimir galvanized sheet metal



- Wall bracket
- Sheet steel, galvanized
- 1 set = 2 pcs.

| Type      | ID     |  | For models:     |  | WxHxL [mm]     |       |
|-----------|--------|--|-----------------|--|----------------|-------|
| WK MPS 01 | 107194 |  | MPS/F 200 - 355 |  | 450 x 42 x 650 | MYMPK |
| WK MPS 05 | 107195 |  | MPS/F 400       |  | 450 x 42 x 780 |       |



- Weather protection hood, Motor
- Sheet steel, galvanized

| Type    | ID     |  | For models:     |  | WxHxL [mm]      |       |
|---------|--------|--|-----------------|--|-----------------|-------|
| WSH MPS | 103661 |  | MPS/F 200 - 400 |  | 260 x 128 x 320 | MYMPW |
|         |        |  |                 |  |                 |       |

Scope of supply: 1 Weather protection hood, 4 Tallow-drop screws, 3,9 x 13 mm



- Aluminum flat roof socket
- 30 mm sound and heat insulation

| Type    | ID     |  | For Nominal Width [mm] |  | WxHxL [mm]        |       |
|---------|--------|--|------------------------|--|-------------------|-------|
| DSF 220 | 109552 |  | DVA/P 220, 250         |  | 571 x 300 x 571   | MYMDF |
| DSF 280 | 109593 |  | DVA/P 280, 315         |  | 657 x 300 x 657   |       |
| DSF 355 | 109619 |  | DVA/P 355, 400         |  | 817 x 300 x 817   |       |
| DSF 450 | 109784 |  | DVA/P 450, 500         |  | 877 x 300 x 877   |       |
| DSF 560 | 122314 |  | DVA/P 560              |  | 1152 x 300 x 1152 |       |



- Socket Silencer
- Sound-heat insulated
- Mineralwool insulation

| Type    | ID     |  | For Nominal Width [mm] |  | WxHxL [mm]        |       |
|---------|--------|--|------------------------|--|-------------------|-------|
| DSS 220 | 111323 |  | DVA/P 220, 250         |  | 571 x 600 x 571   | MYMDS |
| DSS 280 | 111352 |  | DVA/P 280, 315         |  | 657 x 600 x 657   |       |
| DSS 355 | 111353 |  | DVA/P 355, 400         |  | 817 x 600 x 817   |       |
| DSS 450 | 111354 |  | DVA/P 450, 500         |  | 877 x 600 x 877   |       |
| DSS 560 | 122313 |  | DVA/P 560              |  | 1152 x 600 x 1152 |       |

|       | Type    | ID     |  | For models:     | Screw-hole Circle / Inner | L [mm] |
|-------|---------|--------|--|-----------------|---------------------------|--------|
| MYMDA | DAF 180 | 110744 |  | DVA/P 220, 250  | 213 / 179                 | 25     |
|       | DAF 250 | 110585 |  | DVA/P 280, 315  | 286 / 249                 | 25     |
|       | DAF 400 | 109826 |  | DVA/P 355 - 500 | 438 / 399                 | 30     |
|       | DAF 560 | 122288 |  | DVA/P 560       | 605 / 569                 | 30     |



- Inlet flange
- Sheet steel, galvanized

|       | Type    | ID     |  | For models:     | Screw-hole Circle / Inner | L [mm] flexibel |
|-------|---------|--------|--|-----------------|---------------------------|-----------------|
| MYMDN | DAS 180 | 110745 |  | DVA/P 220, 250  | 213 / 183                 | 95 - 130        |
|       | DAS 250 | 109413 |  | DVA/P 280, 315  | 286 / 252                 | 95 - 130        |
|       | DAS 400 | 109827 |  | DVA/P 355 - 500 | 438 / 402                 | 95 - 130        |
|       | DAS 560 | 122287 |  | DVA/P 560       | 605 / 569                 | 95 - 130        |



- flexible connection
- temperature stability to 75 °C
- Sheet steel, galvanized
- plastic band (PES)

|       | Type    | ID     |  | For models:     | Screw-hole Circle / Inner | L [mm] |
|-------|---------|--------|--|-----------------|---------------------------|--------|
| MYMDV | DVK 180 | 104800 |  | DVA/P 220, 250  | 213 / 183                 | 115    |
|       | DVK 250 | 109233 |  | DVA/P 280, 315  | 286 / 252                 | 156    |
|       | DVK 400 | 109213 |  | DVA/P 355 - 500 | 438 / 402                 | 220    |
|       | DVK 560 | 122289 |  | DVA/P 560       | 605 / 569                 | 340    |



- automatic shutter
- Sheet steel, galvanized

|       | Type     | ID     |  | For models:                | Duct connection       | WxHxL [mm]      |
|-------|----------|--------|--|----------------------------|-----------------------|-----------------|
| MYMZD | SDK 0130 | 115830 |  | SL . . . G, 1 Set = 2 pcs. | 600 x 300 / 900 x 300 | 234 x 281 x 475 |
|       |          |        |  |                            |                       |                 |



- Sound diffuser
- Galvanized steel
- 30 mm mineral wool insulation
- 1 set = 2 pcs.



- Rain Cover
- Sheet steel, galvanized
- incl. roof girder

| Type        | ID     |                            | For models: |  | WxHxL [mm]       |        |
|-------------|--------|----------------------------|-------------|--|------------------|--------|
| RD RLI 700  | 121628 |                            | RLI 700     |  | 1355 x 73 x 1115 | MYMWR. |
| RD RLI 900  | 121552 |                            | RLI 900     |  | 1475 x 89 x 1315 |        |
| RD RLI 1200 | 121754 |                            | RLI 1200    |  | 1610 x 88 x 1615 |        |
| RD RLI 1600 | 122214 |                            | RLI 1600    |  | 1610 x 88 x 2015 |        |
| RD RLI 2000 |        | Price available on request | RLI 2000    |  |                  |        |



- Rain Cover
- Sheet steel, galvanized
- incl. roof girder

| Type        | ID     |                            | For models: |  | WxHxL [mm]      |        |
|-------------|--------|----------------------------|-------------|--|-----------------|--------|
| RD RLE 700  | 121627 |                            | RLE 700     |  | 975 x 73 x 1115 | MYMWR. |
| RD RLE 900  | 121551 |                            | RLE 900     |  | 975 x 89 x 1315 |        |
| RD RLE 1200 | 121745 |                            | RLE 1200    |  | 975 x 88 x 1616 |        |
| RD RLE 1600 | 122211 |                            | RLE 1600    |  | 975 x 88 x 2016 |        |
| RD RLE 2000 |        | Price available on request | RLE 2000    |  |                 |        |

|       | Type     | ID     |  | I <sub>max.</sub> [A] | U <sub>A</sub> [V]  | Casing  |                |
|-------|----------|--------|--|-----------------------|---------------------|---------|----------------|
| MYSS. | TEE 015  | 115893 |  | 1,5                   | 80/110/140/170/230  | Plastic | 230 V ~, 50 Hz |
|       |          |        |  |                       |                     |         |                |
| MYSM. | TEM 035  | 103502 |  | 3,5                   | 110/140/170/200/230 | Plastic | 230 V ~, 50 Hz |
|       | TEM 050  | 103519 |  | 5,0                   | 110/140/170/200/230 | Plastic | 230 V ~, 50 Hz |
|       | TEM 075  | 103507 |  | 7,5                   | 110/140/170/200/230 | Plastic | 230 V ~, 50 Hz |
|       | TEM 100  | 103511 |  | 10,0                  | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |
|       | TEM 130  | 103950 |  | 13,0                  | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |
| MYSG. | TEM 035G | 111580 |  | 3,5                   | 110/140/170/200/230 | Plastic | 230 V ~, 50 Hz |
|       | TEM 050G | 109966 |  | 5,0                   | 110/140/170/200/230 | Plastic | 230 V ~, 50 Hz |
|       | TEM 075G | 109988 |  | 7,5                   | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |
|       | TEM 100G | 109069 |  | 10,0                  | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |
|       | TEM 130G | 111581 |  | 13,0                  | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |
| MYSA. | TEM 035S | 111582 |  | 3,5                   | 110/140/170/200/230 | Plastic | 230 V ~, 50 Hz |
|       | TEM 050S | 111583 |  | 5,0                   | 110/140/170/200/230 | Plastic | 230 V ~, 50 Hz |
|       | TEM 075S | 109729 |  | 7,5                   | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |
|       | TEM 100S | 110763 |  | 10,0                  | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |
|       | TEM 130S | 111584 |  | 13,0                  | 110/140/170/200/230 | Metal   | 230 V ~, 50 Hz |

TDM . . . G with contact for gas solenoid valve  
TDM . . . S with contact for damper motor



Plastic housing



Metal housing

- 5-Step Transformer
- 230 V ~, 50 Hz
- with motor protection (except TEE)
- Surface mounting
- Max. ambient temp 35 °C
- IP 54

|       | Type   | ID     |  | I <sub>max.</sub> [A] |  |  |
|-------|--------|--------|--|-----------------------|--|--|
| MYSE. | MTY 1  | 103428 |  | 1,0                   |  |  |
|       | MTY 2  | 103424 |  | 2,0                   |  |  |
| MYSE. | ETY 15 | 115891 |  | 1,5                   |  |  |
|       | ETY 25 | 115892 |  | 2,5                   |  |  |

MTY . . . with VDE  
ETY . . . without VDE



- Electronic Controller
- Variable
- 230 V ~, 50 Hz
- Surface and flush mounting
- Max. ambient temp 35 °C
- IP 44

|       | Type   | ID     |  | Switching Contact            |  |  |
|-------|--------|--------|--|------------------------------|--|--|
| MYSE. | MTP 10 | 120175 |  | 4 A / 250 Vac - 10A / 12 Vdc |  |  |



- Potentiometer
- 230 V ~, 50 Hz
- Resistance 10 kΩ
- Surface and flush mounting
- Max. ambient temp 35 °C
- VDE
- IP 44

## Legend

Vac = AC Voltage  
Vdc = DC Voltage  
Imax. = Max. operating current [A]  
U<sub>A</sub> = Output voltage [V]  
ID = Part ID





- Metal housing
- 5-Step Transformer
- 400 V 3~, 50/60 Hz
- with motor protection
- Max. ambient temp 35 °C
- IP 54

## Accessories Electrical

| Type     | ID     |  |  | I <sub>max.</sub> [A] | U <sub>A</sub> [V]  |       |
|----------|--------|--|--|-----------------------|---------------------|-------|
| TDM 025  | 107628 |  |  | 2,50                  | 130/180/230/300/400 | MYSM. |
| TDM 040  | 111556 |  |  | 4,00                  | 130/180/230/300/400 |       |
| TDM 060  | 111557 |  |  | 6,00                  | 130/180/230/300/400 |       |
| TDM 080  | 111558 |  |  | 8,00                  | 130/180/230/300/400 |       |
| TDM 110  | 111559 |  |  | 11,00                 | 130/180/230/300/400 |       |
| TDM 025G | 111569 |  |  | 2,50                  | 130/180/230/300/400 | MYSG. |
| TDM 040G | 111570 |  |  | 4,00                  | 130/180/230/300/400 |       |
| TDM 060G | 111571 |  |  | 6,00                  | 130/180/230/300/400 |       |
| TDM 080G | 111572 |  |  | 8,00                  | 130/180/230/300/400 |       |
| TDM 110G | 111573 |  |  | 11,00                 | 130/180/230/300/400 |       |
| TDM 025S | 111575 |  |  | 2,50                  | 130/180/230/300/400 | MYS.  |
| TDM 040S | 111576 |  |  | 4,00                  | 130/180/230/300/400 |       |
| TDM 060S | 111577 |  |  | 6,00                  | 130/180/230/300/400 |       |
| TDM 080S | 111578 |  |  | 8,00                  | 130/180/230/300/400 |       |
| TDM 110S | 111579 |  |  | 11,00                 | 130/180/230/300/400 |       |

TDM . . . G with contact for gas solenoid valve  
TDM . . . S with contact for damper motor



- 7-Step Transformer
- 230 V ~, 50 Hz
- Without motor protection
- For switch cabinet
- Max. ambient temp 35 °C
- IP 20

| Type    | ID     |  |  | I <sub>max.</sub> [A] | U <sub>A</sub> [V]         |       |
|---------|--------|--|--|-----------------------|----------------------------|-------|
| TES 145 | 111858 |  |  | 1,45                  | 80/100/125/150/175/190/230 | MYSO. |
| TES 035 | 103954 |  |  | 3,5                   | 80/100/125/150/175/190/230 |       |
| TES 050 | 103955 |  |  | 5,0                   | 80/100/125/150/175/190/230 |       |
| TES 075 | 103957 |  |  | 7,5                   | 80/100/125/150/175/190/230 |       |
| TES 100 | 103958 |  |  | 10,0                  | 80/100/125/150/175/190/230 |       |
| TES 130 | 103959 |  |  | 13,0                  | 80/100/125/150/175/190/230 |       |



- 7-Step Transformer
- 400 V 3~, 50/60 Hz
- without motor protection, for V-connection (Switch Cabinet)
- Max. ambient temp 35 °C
- IP 20

| Type    | ID     |  |  | I <sub>max.</sub> [A] | U <sub>A</sub> [V]      |       |
|---------|--------|--|--|-----------------------|-------------------------|-------|
| TDS 025 | 113663 |  |  | 2,50                  | 130/170/220/260/300/400 | MYSO. |
| TDS 040 | 113666 |  |  | 4,00                  | 130/170/220/260/300/400 |       |
| TDS 060 | 113667 |  |  | 6,00                  | 130/170/220/260/300/400 |       |
| TDS 080 | 113668 |  |  | 8,00                  | 130/170/220/260/300/400 |       |
| TDS 110 | 113670 |  |  | 11,00                 | 130/170/220/260/300/400 |       |

### Legend

I<sub>max.</sub> = Max. operating current [A]  
U<sub>A</sub> = Output voltage [V]  
ID = Part ID

|      | Type      | ID     |  | For models:               | I <sub>max</sub> [°C] | Input voltage     |
|------|-----------|--------|--|---------------------------|-----------------------|-------------------|
| MYSE | ECC 14 01 | 119697 |  | EL 400 EC 01/EL 450 EC 01 | 4,0                   | 230V 1~, 50/60 Hz |
|      | ECC 20 01 | 118833 |  | EL 500 EC 01              | 3,0                   | 400V 3~, 50/60 Hz |
|      | ECC 30 01 | 118880 |  | EL 560 EC 01/EL 630 EC 01 | 4,5                   | 400V 3~, 50/60 Hz |
|      | ECC 45 01 | 119698 |  | EL 710 EC 01              | 5,0                   | 400V 3~, 50/60 Hz |



- EC-Controller
- Adjustable speed
- Max. ambient temp -10 °C - +40 °C
- IP 20

|      | Type      | ID     |  |  | P <sub>1N</sub> | I <sub>A</sub> | P <sub>V</sub> | Protection Class | t <sub>U</sub> [°C] |
|------|-----------|--------|--|--|-----------------|----------------|----------------|------------------|---------------------|
| MYSE | FU 075 01 | 113988 |  |  | 750             | 4,8            | 60             | IP 54            | -10/+40             |
|      | FU 15 01  | 113989 |  |  | 1500            | 8              | 90             | IP 54            | -10/+40             |
|      | FU 22 01  | 117547 |  |  | 2200            | 11             | 123            | IP 54            | -10/+40             |



- Frequency Converter
- Power supply 230 V 50/60 Hz
- Variable speed control
- Output voltage 0 - 230 V 3~
- Motor-/converter protection
- Integrated interference filter/class A
- Integrated modbus interface
- Easy start-up
- Temperature range -10 °C ... +40 °C
- IP 54

|      | Type      | ID     |  |  | P <sub>1N</sub> | I <sub>A</sub> | P <sub>V</sub> | Protection Class | t <sub>U</sub> [°C] |
|------|-----------|--------|--|--|-----------------|----------------|----------------|------------------|---------------------|
| MYSE | FU 075 03 | 121260 |  |  | 750             | 4,2            | 44             | IP 20            | -10/+40             |
|      | FU 15 03  | 121261 |  |  | 1500            | 7,5            | 72             | IP 20            | -10/+40             |
|      | FU 22 04  | 121262 |  |  | 2200            | 10,0           | 93             | IP 20            | -10/+40             |



- Frequency Converter
- Power supply 230 V 50/60 Hz
- Variable speed control
- Output voltage 0 - 230V 3~
- Motor-/converter protection
- Integrated interference filter/class A
- Integrated modbus interface
- Easy start-up
- For switch cabinet
- Temperature range -10 °C ... +40 °C
- IP 20

|      | Type     | ID     |  |  | P <sub>1N</sub> | I <sub>A</sub> | P <sub>V</sub> | Protection Class | t <sub>U</sub> [°C] |
|------|----------|--------|--|--|-----------------|----------------|----------------|------------------|---------------------|
| MYSE | FU 30 03 | 121609 |  |  | 3000            | 7,1            | 125            | IP 41            | -10/+40             |
|      | FU 40 03 | 121607 |  |  | 4000            | 9,5            | 150            | IP 41            | -10/+40             |
|      | FU 55 02 | 121611 |  |  | 5500            | 14,3           | 232            | IP 41            | -10/+40             |



- Frequency Converter
- Power supply 400 V 50/60 Hz
- Variable speed control
- Output voltage 0 - 400V 3~
- Integrated modbus interface
- Motor-/converter protection
- Integrated interference filter/class A
- Easy start-up
- Temperature range -10 °C ... +40 °C
- For switch cabinet
- IP 41



similar to image

- Frequency Converter
- Power supply 400 V 3~ 50 Hz
- Variable speed control
- Output voltage 0 - 400 V 3~
- Integrated modbus interface
- Motor-/converter protection
- Integrated interference filter/class A
- Easy start-up
- Temperature range -10 °C ... +40 °C
- IP 55



- Constant pressure control
- Range of control 50-1000 Pa
- output 0-10V
- IP 55



- Remote control BDT KLIMA
- Setting of supply air temperature
- Setting of fan speed
- Summer/winter change over
- indication of malfunction / Filterchange



- Remote control for ETA 800/900
- LCD-Display: 4 lines with 20 indications
- Operation over 6 short-stroke keys with dust proof foil cover

#### Legend

- t<sub>U</sub> = Max. ambient temperature [°C]  
P<sub>1N</sub> = Max. motor-power consumption [W]  
P<sub>V</sub> = Efficiency loss FU [W]  
I<sub>A</sub> = Output current FU [A]  
IP = Protection Class  
ID = Part ID

## Accessories Electrical

| Type     | ID     |  | For models: | P <sub>1N</sub> | I <sub>A</sub> | P <sub>V</sub> | Protection Class | t <sub>U</sub> [°C] | MYSE. |
|----------|--------|--|-------------|-----------------|----------------|----------------|------------------|---------------------|-------|
| FU 30 04 | 121610 |  |             | 3000            | 7,1            | 125            | IP 55            | -10/+40             |       |
| FU 40 04 | 121608 |  |             | 4000            | 9,5            | 150            | IP 55            | -10/+40             |       |

| Type      | ID     |  |  |  | WxHxL [mm]     | MYSC. |
|-----------|--------|--|--|--|----------------|-------|
| CON P1000 | 115259 |  |  |  | 118 x 70 x 139 |       |
|           |        |  |  |  |                |       |

| Type      | ID     |  |  |  | WxHxL [mm]   | MYSB. |
|-----------|--------|--|--|--|--------------|-------|
| BDT KLIMA | 117836 |  |  |  | 82 x 30 x 82 |       |
|           |        |  |  |  |              |       |

| Type    | ID     |  |  |  | WxHxL [mm]    | MYSB. |
|---------|--------|--|--|--|---------------|-------|
| BDT ETA | 108770 |  |  |  | 82 x 30 x 150 |       |
|         |        |  |  |  |               |       |

|       | Type   | ID     |  |  | U <sub>max.</sub> [V] | I <sub>max.</sub> [A] | WxHxL [mm]   |
|-------|--------|--------|--|--|-----------------------|-----------------------|--------------|
| MYSLM | MAN 01 | 104226 |  |  | 250                   | 1,0                   | 65 x 58 x 65 |
|       |        |        |  |  |                       |                       |              |

Accessories: Climaset, Part ID 111314, consisting of flexible tube, connection fitting and screw



- pressure sensor with adjustable cut-off pressure
- Range of measurement
- Pmax 10 kPa
- Integrated EMI-Filter
- variable switching limit
- Plastic housing
- Temperature range -20 °C ... +85 °C
- IP 54 (with protection cap)

|       | Type   | ID     |  | Capillary length [m] | U <sub>max.</sub> [V] | I <sub>max.</sub> [A] | WxHxL [mm]     |
|-------|--------|--------|--|----------------------|-----------------------|-----------------------|----------------|
| MYSLT | THE 01 | 103666 |  | 1,8                  | 250                   | 15                    | 105 x 55 x 112 |
|       | THE 02 | 115566 |  | 6                    | 250                   | 15                    | 105 x 55 x 112 |



- Frost protection thermostat
- Switching capacity: 15 (8) A, 24-250 V~, bei 24 V~ min. 150 mA
- Range of control -10 °C ... +12 °C
- Switching limit 1 K
- temperature range -10 °C ... +55 °C
- sealable control point setting
- IP 40

|       | Type   | ID     |  |  | Protection Class | t <sub>U</sub> [°C] |  |
|-------|--------|--------|--|--|------------------|---------------------|--|
| MYSLS | STA 01 | 103590 |  |  | IP 54            | -30/+50             |  |
|       | STA 02 | 107204 |  |  | IP 54            | -30/+50             |  |
|       | STA 11 | 103933 |  |  | IP 54            | -30/+50             |  |



- Damper actuator
- Air damper size up to approx 1 m²
- Torque 5 Nm
- Direction of Rotation selectable (right/left)
- Activation DC 0-10 V or 3 point control
- Temperature range -30 °C ... +50 °C
- IP 54

|       | Type   | ID     |  |  | Protection Class | t <sub>U</sub> [°C] |  |
|-------|--------|--------|--|--|------------------|---------------------|--|
| MYSLS | STA 12 | 107631 |  |  | IP 54            | -30/+50             |  |
|       |        |        |  |  |                  |                     |  |



- Damper actuator
- Air damper size up to approx 1 m²
- Torque 5 Nm
- Direction of Rotation selectable (right/left)
- Activation DC 0-10 V
- Temperature range -30 °C ... +50 °C
- IP 54



- Damper control actuator with spring return
- Air damper size up to approx 0,8 m²
- Torque 4 Nm
- Direction of Rotation selectable (right/left)
- Control via 1-pole contact
- Temperature range -30 °C ... +50 °C
- IP 54

## Accessories Electrical

| Type   | ID     |  |  | Protection Class | t <sub>U</sub> [°C] |       |
|--------|--------|--|--|------------------|---------------------|-------|
| STA 13 | 113125 |  |  | IP 54            | -30/+50             |       |
|        |        |  |  |                  |                     | MYSLS |



- 3-way ball-valve with actuator 230V
- 3 point drive or Open/Close
- Suitable for the controllers of the SL-units
- Internal screw thread connection
- DN 15 kvs 0,63...DN 15 kvs 1,6
- Temperature range 0 °C ... +50 °C
- IP 40

| Type   | ID     |  | U <sub>N</sub> [V] | DN [mm] | kvs [m³/h] | Activation | WxHxL [mm]    |
|--------|--------|--|--------------------|---------|------------|------------|---------------|
| STK 01 | 112934 |  | 230                | 15      | 0,63       | 3 point    | 98 x 95 x 176 |
| STK 05 | 121620 |  | 230                | 15      | 1,60       | 3 point    | 98 x 95 x 176 |
|        |        |  |                    |         |            |            | MYSLS         |



- 3-way ball-valve with actuator 230V
- 3 point drive or Open/Close
- Suitable for the controllers of the SL-units
- Internal screw thread connection
- DN 15 kvs 0,63...DN 32 kvs 10,0
- Temperature range 0 °C ... +50 °C
- IP 54

| Type   | ID     |  | U <sub>N</sub> [V] | DN [m³/h] | kvs [m³/h] | Activation | WxHxL [mm]     |
|--------|--------|--|--------------------|-----------|------------|------------|----------------|
| STK 02 | 112935 |  | 230                | 20        | 4,0        | 3 point    | 76 x 140 x 153 |
| STK 03 | 112936 |  | 230                | 25        | 6,3        | 3 point    | 76 x 143 x 155 |
| STK 04 | 117602 |  | 230                | 32        | 10,0       | 3 point    | 85 x 154 x 154 |
|        |        |  |                    |           |            |            | MYSLS          |



GS 01 - 03



GS 05

- Isolator Switch
- Switching capacity 400 V 3~ = 5,5 kW
- I<sub>max</sub> = 16 A
- Surface mounting

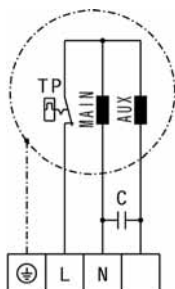
| Type  | ID     |  | Main contact | N/O contact | Auxiliary contact | N/O contact / N/C contact |      |
|-------|--------|--|--------------|-------------|-------------------|---------------------------|------|
| GS 01 | 102787 |  |              | 3           |                   | 2 / 1                     |      |
| GS 02 | 105386 |  |              | 6           |                   | 0 / 0                     |      |
| GS 03 | 107633 |  |              | 6           |                   | 1 / 1                     |      |
| GS 05 | 107273 |  |              | 3           |                   | 0 / 0                     |      |
|       |        |  |              |             |                   |                           | MYSR |

| MYM.H. | Type            | ID     |  | WxHxL [mm]      |
|--------|-----------------|--------|--|-----------------|
|        | EHM 5025 R09 01 | 121419 |  | 754 x 367 x 424 |
|        | EHM 5025 L09 01 | 121420 |  | 754 x 367 x 424 |
|        | EHM 5025 R18 01 | 121421 |  | 754 x 367 x 424 |
|        | EHM 5025 L18 01 | 121422 |  | 754 x 367 x 424 |
|        | EHM 6030 R09 01 | 121427 |  | 754 x 367 x 400 |
|        | EHM 6030 L09 01 | 121428 |  | 754 x 367 x 400 |
|        | EHM 6030 R18 01 | 121429 |  | 754 x 367 x 400 |
|        | EHM 6030 L18 01 | 121430 |  | 754 x 367 x 400 |
|        | EHM 6030 R27 01 | 121431 |  | 754 x 367 x 400 |
|        | EHM 6030 L27 01 | 121432 |  | 754 x 367 x 400 |

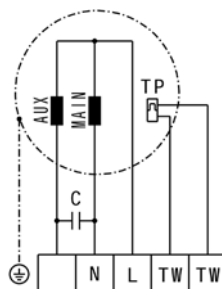


- Electric heater battery
- Autonomous temperature control
- Flexible connection
- 3 power stages 9 - 18 - 27kW
- Continuous control

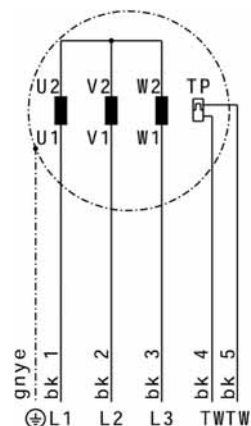
116403



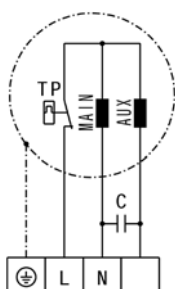
116406



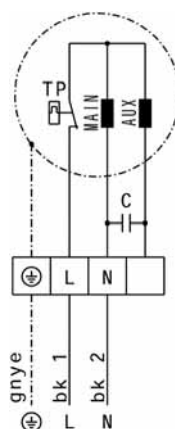
116460



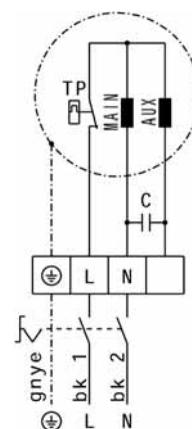
116471



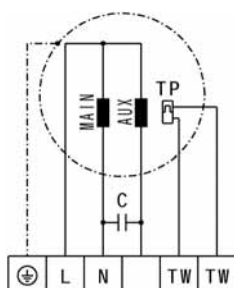
116490



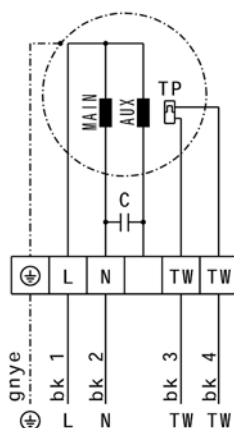
116492



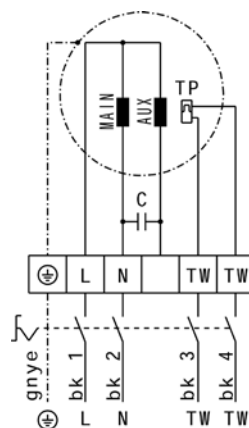
116495



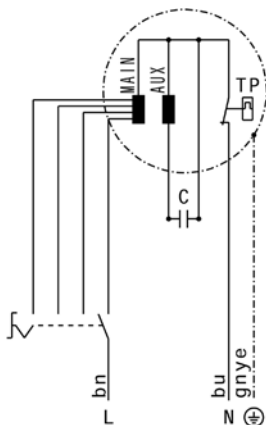
116504



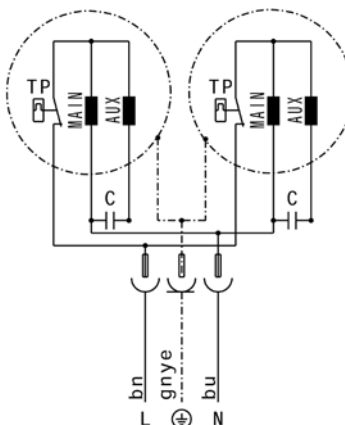
116506



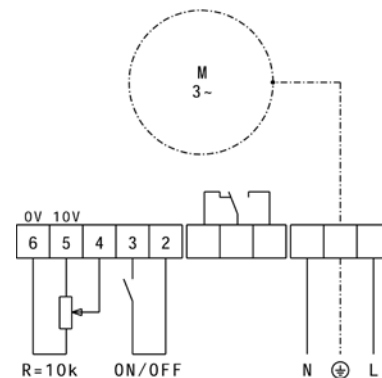
116514



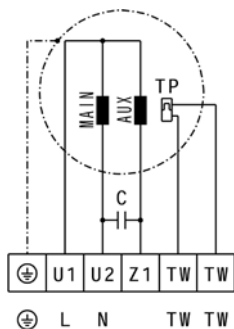
116643



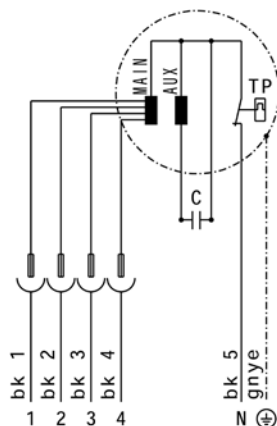
116647



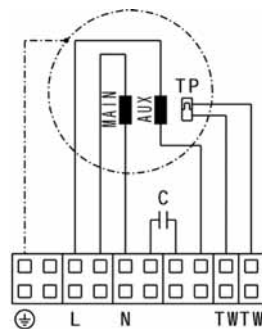
116653



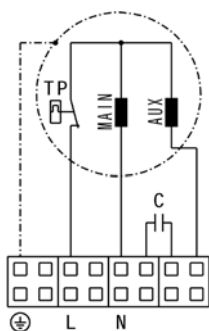
116875



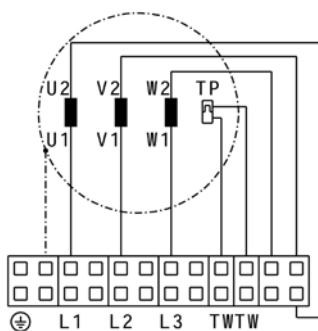
116984



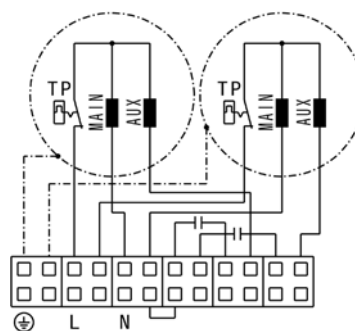
116985



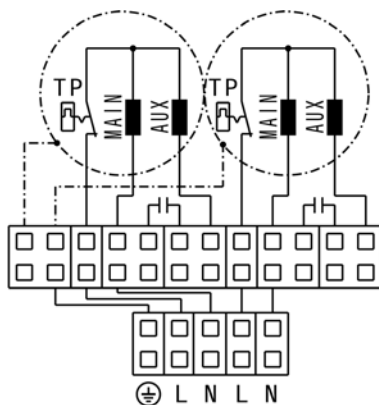
116986



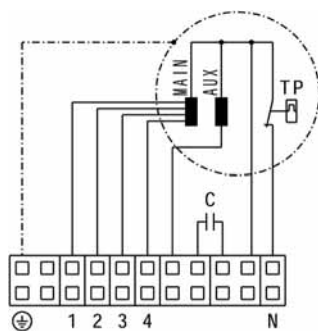
116998



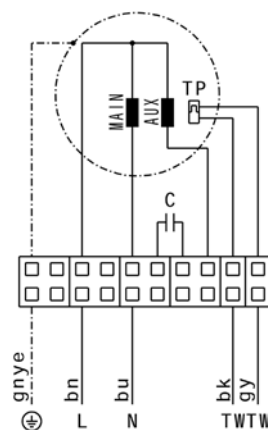
116999



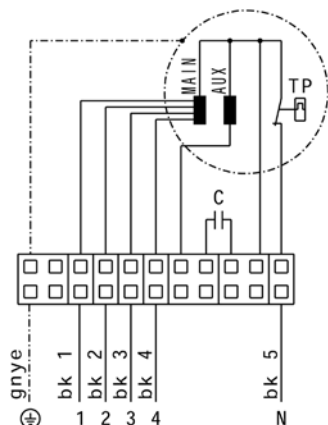
117002



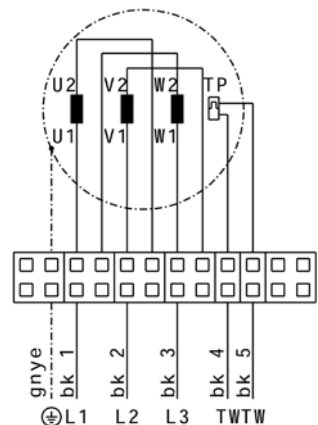
117007



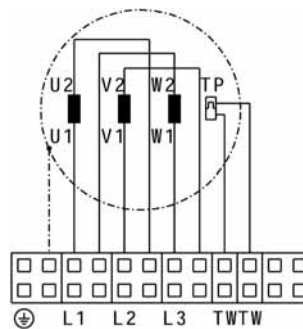
117003



117113

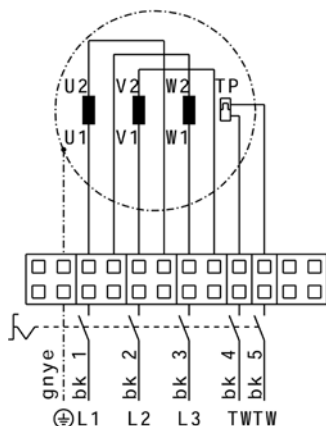


117140

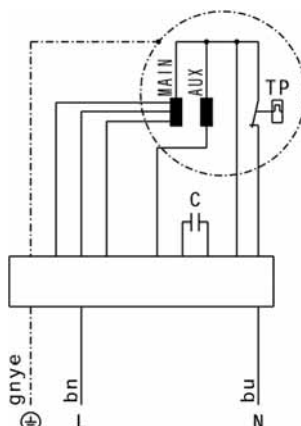




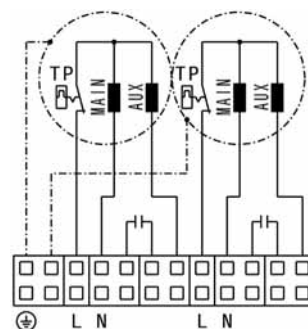
117141



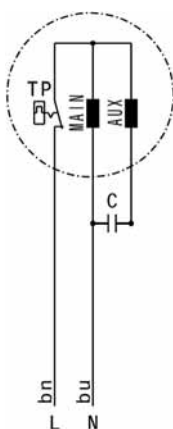
117364



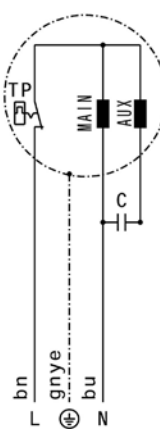
117712



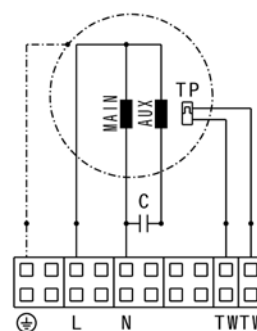
118622



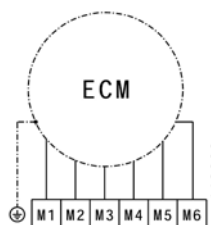
118787



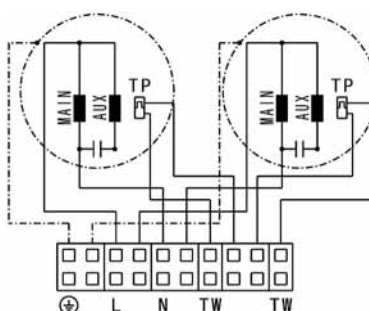
118871



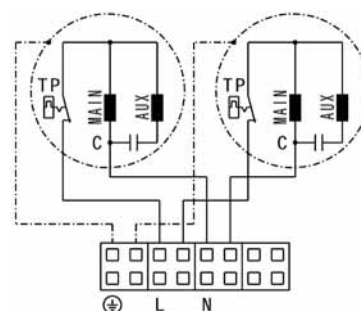
119339



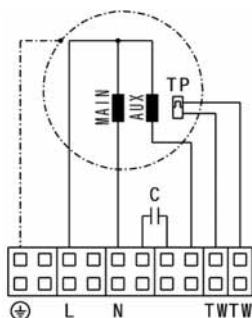
120989



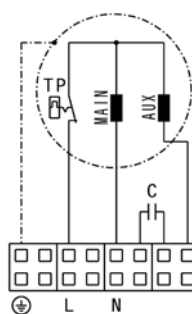
120990



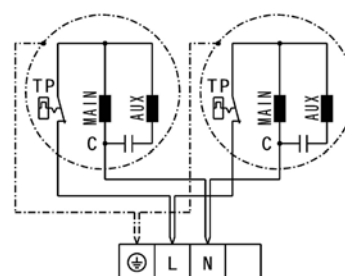
120750



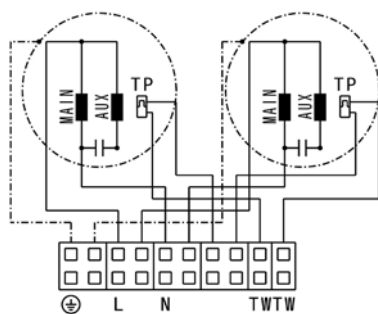
120751



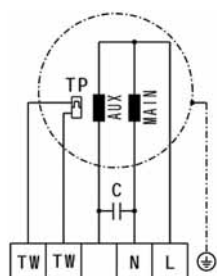
121528



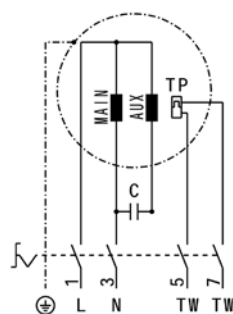
121531



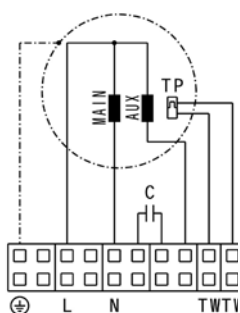
121595



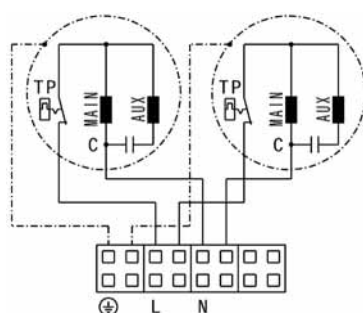
121998



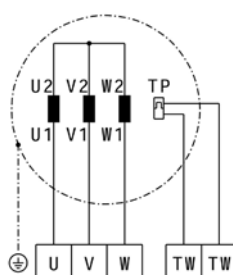
120750



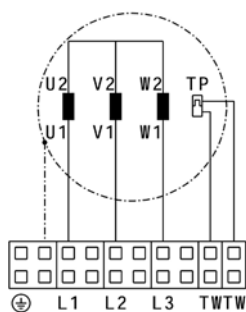
120990



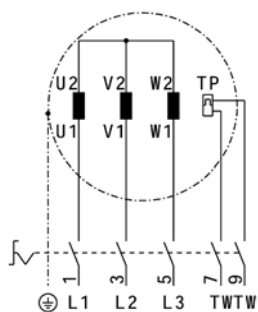
122307



1222308



122219



## I. General Terms and Conditions

1. The mutual written statements are the decisive factors concerning the volume of the deliveries or services (hereinafter: deliveries). The general terms and conditions of the purchaser apply only if the supplier or provider (hereinafter: supplier) has explicitly confirmed these terms and conditions in writing. This confirmation applies only to this business transaction. As before, our general terms and conditions shall apply to all further transactions.

2. The supplier shall retain his offers, part lists, drawings and other documents (hereinafter: documents) as part of his unrestricted property and proprietary patent rights. The documents shall be made accessible to third parties only if the supplier has given his prior consent in writing. When the contract is no longer awarded to the supplier, these documents shall be promptly returned to the supplier.

## II. Prices and Payment Conditions

1. So long as nothing else arises from the confirmation of the order/contract, our prices shall be calculated factory-direct, including packaging. Special packaging will be charged at cost, plus the appropriate applicable sales tax. The purchaser shall be invoiced for any subsequent taxes or fees, which concern the goods or the shipment of the goods. Prices are fixed for three month from date of offer if nothing different is mentioned in the offer

2. Payments are to be made directly to the appointed paying agent of the supplier.

3. If the supplier has taken over the assembly or installation and if there are no other agreements, then the purchaser shall assume, in addition to the agreed compensation, all additional expenses, such as: the travel expenses, and transportation expenses of hand tools and the personal baggage, as well as the releases.

4. The purchaser only has the right to offset when his counterclaims are legally declared indisputable or if they have been approved by us. If the purchaser is a business owner and acts as such, then the purchaser can only exercise his right to withhold or refuse service when the counterclaims are based on the same contractual relationship.

5. If we are obligated to supply advance deliveries, and if after the contract has been signed, we are aware of circumstances, which have jeopardized our payment claim because of the inadequate service capabilities of the purchaser, we have the choice of demanding guarantees within a reasonable amount of time or demanding payment at delivery. If the purchaser does not comply with these demands, we are then legally entitled to the right to withdraw from this contract.

## III. Cancellation Charges

1. If the purchaser withdraws unjustifiably from a given contract, we have the opportunity to demand a claim for any actual damages. We can also demand 30 % of the lost profit and the price for those costs that arose during the processing of this contract. The purchaser reserves the right to prove lesser damage.

## IV. Reservation of Title

1. The products delivered (reserved goods) remain the property of the supplier until all the requirements of the purchaser have been fulfilled.

2. The purchaser is forbidden from pledging the reserved goods as collateral or transferring them as a guarantee for the duration of the reservation of title. The resale may only be done by resellers via standard transactions and is only permitted under the condition that the reseller receives payment from his customer or if the reseller makes the reservation that the property passes to the customer only when the customer has satisfied his payment obligations.

3. a) If and when the purchaser resells the reserved goods, he also transfers his future claims from the resale to his customer with all ancillary rights (including any balance claims as guarantees), to the supplier, without subsequently needing to explicitly state so. If any one of the reserved goods is resold together with other products, but no unit price has been set for the reserved goods, the purchaser shall, as a priority, pay the supplier first the amount equivalent to the price of the reserved goods, as invoiced by the supplier.

b) When a legitimate claim against a customer is made credible, the purchaser shall provide the necessary information to the supplier concerning the fulfillment of his claims against this customer. He shall also deliver the necessary documents.

c) If there is no revocation, the purchaser is authorized to possess the transferred claim regarding the resale. The supplier is authorized to revoke the right to claim of the purchaser, if an important reason exists, particularly with respect to the following: late payment, the start of insolvency proceedings, bill/note protest, or if well-founded leads point to over-indebtedness or anticipated insolvency of the purchaser. Furthermore, after previous warnings, the supplier can disclose the guarantee transfers within an appropriate period of time. The supplier can also utilize the transferred claims and demand that the purchaser disclose the guarantee transfers to the customer.

4. a) The purchaser is allowed to process the reserved goods and to mix or combine them with other products. The processing, mixing or combining of the goods (hereinafter: processing) is done for the supplier. The purchaser stores the new product for the supplier with the due diligence of a respectable trader. The new products shall be considered reserved goods.

b) If and when the product is processed together with another product that does not belong to the supplier, then the supplier is entitled to joint ownership equal to the percentage of the total value which can be attributed to the processed, mixed or combined (hereinafter: processed) reserved goods in relation to the other processed goods at the point in time when the goods were processed. If the purchaser acquires sole ownership of the new product, the supplier and the purchaser both agree that the purchaser allows the supplier joint ownership of the new product equal to the percentage of the processed reserved good in relation to the other processed goods at the point in time when the goods were processed.

c) If the new product is sold, the purchaser thereby transfers his claims against the customer concerning the resale with all ancillary rights to the supplier as a guarantee, without subsequently needing to explicitly state so. The transfer is valid only for the actual amount of the contract. This value corresponds to the value that the supplier has placed in the invoice concerning those reserved goods which have been processed. It is paramount that the claim portions transferred to the supplier be fulfilled first. No. 3.c) applies to the forfeiture authorization as well as to the conditions of its revocation.

d) If the purchaser combines the reserved good with land or movable products, he also transfers (without needing to explicitly state so) his claim that existed as compensation for the combination. When he transfers his claim, he also transfers to the supplier all ancillary rights concerning the amount of value of the reserved goods in relation to the other goods at the time they were combined, as a guarantee.

5. The purchaser shall immediately notify the supplier with respect to: distraints, seizures, court orders or other third party interventions.

6. If there is a breach of duty on the part of the purchaser, particularly with respect to default of payment, then the supplier has the right to withdraw from the contract and demand his goods, if the purchaser has not complied with the appropriately specified payment terms within the set time limit. German Civil Law on the fact that there is no need to set time limits still applies. The purchaser is obligated to return the goods.

1. If the purchaser wants the supplier to comply with the time limits concerning the supply deliveries, he will have to make sure that the supplier receives all documents, necessary authorization and clearances on time, especially with respect to drawings. The purchaser also needs to comply with the agreed payment terms and other obligations. If these requirements are not fulfilled in a timely manner, the time limits are to be extended accordingly; however, this is not applicable if the supplier has caused the delay. So long as nothing else is agreed upon or nothing else arises from the contract, the delivery time that we specify is always nonbinding. Incomplete and over deliveries, in so far as they are not considered unreasonable by the purchaser, are permissible without prior notice. The valid delivery time for supply factory-direct is that time which complies with the written notification of supply readiness.

2. Delays in delivery that are the result of an act of God or unforeseen circumstances, which are beyond our control, such as: operational disturbances, strikes, lockouts, raw material procurement difficulties, official directives, etc. shall not be considered in default. The agreed upon delivery time limit shall be extended for the duration of the disturbance. If the supplier defaults, the purchaser has to grant an adequate grace period. If this time limit passes as well, the purchaser can, so long as he is able to prove that this has caused him to suffer damage, demand restitution in the amount of 0.5 % for each week, however not more than 5 % of the price corresponding to that part of the delivery which is in default and has not been available for use.

3. With respect to each case of default delivery, the purchaser may not make any claims for damages concerning default deliveries or make any claims for damages instead of accepting delivery if the damage claims cross the boundaries mentioned in No.2. This is also the case when the time limit set for the supplier to deliver the good has expired.

#### **VI. Delivery, Shipment and Transfer of Risk, Receipt**

1. The transfer of risk to the purchaser also applies to deliveries which are sent with freight paid:

- a) With respect to deliveries which are not installed or assembled, the transfer of risk occurs when they are delivered to the place of shipment or when they are picked up. If the purchaser desires, the deliveries can be insured against transportation risks. However, the supplier must pay for this insurance.
- b) With respect to deliveries which are to be installed or assembled, the transfer of risk occurs on the day it is received at the final destination, and after the testing facility has proven it to be in good working condition.

2. If there is a delay in shipment, delivery, initiation, installation, assembly, testing, or transfer to the final destination, for which the purchaser is responsible, the risk is transferred to the purchaser. The risk is also transferred to the purchaser if and when other such reasons cause the purchaser to be in default of acceptance.

3. The purchaser may not refuse receipt of the deliveries if defects are negligible. The purchaser may not return the product unless he has given us prior written notification and received our written consent.

#### **VII. Material Defects**

1. If the purchaser is a business person who acts as such and wants to make any warranty claims for material defects, he must have examined the good upon delivery. He must notify us concerning potential visible defects immediately upon his examination and he must also notify us as to non-visible defects immediately after he has discovered them. These notifications must be in writing and include specific details concerning the defects discovered. (§ 377 HGB [German Commercial Code]). If the purchaser is not a business person acting as such, he will have to notify us of his complaint concerning those obvious defects in writing within 14 days after he has discovered them.

2. The purchaser cannot make any defect claims, if the condition of the goods is negligibly different or if there are any negligible restrictions on its usability. If the purchaser has ordered any special models, varying products or goods not available from stock, he will have to tolerate potential changes in quantity of +/- 10 % due to production limitations.

3. We will choose whether we wish to make subsequent improvements to those goods which display material defects free of charge within the statute of limitation, or whether we wish to deliver or provide them anew. However, we will only do this if the defect was incurred before the transfer of risk occurred.

4. In the case of defect notifications, the purchaser shall only withhold the amount of payment appropriate for the defects which have occurred. The purchaser may only withhold this amount of payment, if the conditions mentioned in Number II. 4 are met.

5. If the purchaser incorrectly lodges a complaint and notifies us that we are accountable for defects which we are not accountable for, we shall have the right to charge him for any appropriate material and those financial expenses that were incurred in the removal or examination of the defect.

6. The purchaser does not have the right to claim reimbursement for any expenses, such as: transportation costs, toll fees, staff and material expenses that were incurred when a new replacement for the defective good was delivered if we have to deliver the good to a location other than the original place of delivery, unless otherwise agreed in a contract. We shall have the right to charge the purchaser for any of these additional expenses.

7. Material defect claims by commercial businesses expire 24 months after the transfer of risk. If a defect requires us to redeliver a good, the statute of limitation is interrupted while the good is being redelivered, but it will not be reinitiated.

8. Before the purchaser can make any other claims or claim any other rights (withdrawal, price reductions, damage claims, and reimbursement for expenses), we shall first have the opportunity to repair or replace the faulty goods within an appropriate time limit, if we have not provided any other guarantees. For defect damage claims, see number VIII. The purchaser may not assert any other defect claims or claim any other defect rights against us or our vicarious agents.

9. The purchaser shall pay the transportation costs and the risk is transferred at the moment of transportation.

#### **VIII. Defect Damage Claims and Liability for Miscellaneous Reasons**

1. The purchaser may not claim for damages that were incurred while we were supplying services owed the purchaser, unless we are guilty of intentionally causing the damage by breaching our duty through wanton or grave negligence. The purchaser may not claim for subsequent harm caused by a defect, particularly with respect to missed profits which resulted from the defect, so long as the defect is only the result of slight negligence on our part or if it occurred through no fault of our own. The limitation of liability is valid also for the purchaser's claim for expenses which resulted from the defect.

#### **IX. Guarantee and Property Rights**

1. Our goods comply with the basic safety requirements of the EC Machinery Directive and with state of the art technology. Repair and maintenance is to be conducted solely by qualified personnel. If changes are made without our consent concerning the goods delivered, the manufacturer's declaration of conformity becomes invalid and the persons making such unauthorized changes become the manufacturer for the purposes of the EC Machinery Directive.

2. We are not liable for any deliveries made to areas that are outside the Federal Republic of Germany, in the event that third party rights are damaged by our products.

#### **X. Place of Jurisdiction and Applicable Law**

1. If the purchaser is a business person who acts as such, the registered office of Ruck Ventilatoren GmbH shall be considered the sole place of jurisdiction for all direct or indirect disputes which arise from the contractual relationship. However, the supplier is also entitled to take legal action against the purchaser at his registered offices.

2. The privity that correlates to this contract is in accordance with German Substantive Law with the express exclusion of the UN Convention on Contracts for the International Sale of Goods (CISG).

#### **XI. Binding Nature of the Contract**

1. This contract, in its entirety, remains binding even if individual terms and provisions become null and void. The same applies if a loophole is found in the contract. An appropriate provision shall replace the loophole or the term or provision that has become null and void. This provision shall be the next best alternative, in terms of both parties' interests and in terms of its intent and purpose.

**ruck ventilatoren GmbH**  
Max-Planck-Strasse 5  
D-97944 Boxberg

Tel +49 (0)7930 9211-300  
Fax +49 (0)7930 9211-166

[www.ruck.eu](http://www.ruck.eu)  
[info@ruck.eu](mailto:info@ruck.eu)