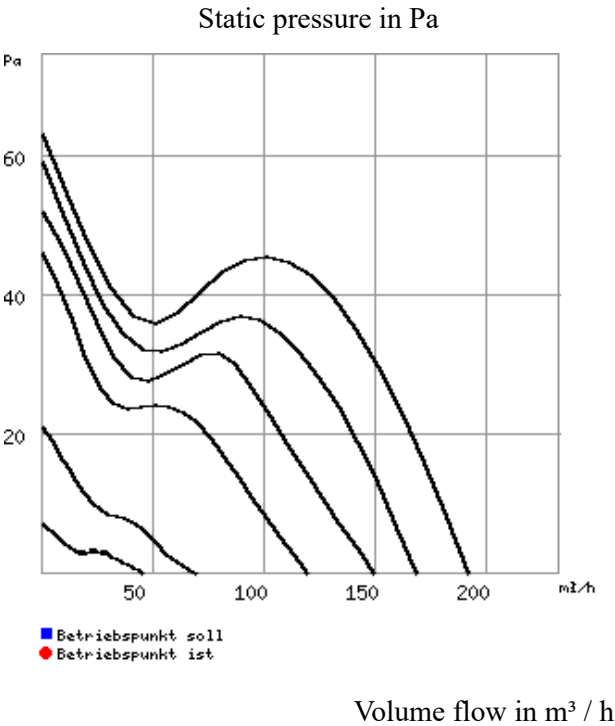


Item: 6050 MV 100 A  
image



Curve graphics



characteristics

|                              |                              |
|------------------------------|------------------------------|
| item number                  | 6050-001                     |
| Article Type                 | MV 100 A                     |
| Article                      | Multivent duct fan 1-PH      |
| Is pressure                  | static                       |
| Is volume                    |                              |
| Max. Volumen                 | 190 m³ / h                   |
| rotational speed             | 2070/2620 min-1              |
| Electricity unregulated      | 0.05 / 0.07 A                |
| Starting current unregulated | 0.175 A.                     |
| power                        | 12/15 W.                     |
| tension                      | 230 V / 1 ph / 50 Hz         |
| Max. Temperature             | 60 ° C (60 ° C if regulated) |
| Anschlußschemanr.            | 844.1                        |
| Weight                       | 1.20 kg                      |
| delivery time                | In stock                     |
| Noise data:                  |                              |
| air noise                    | 38 at 4 m                    |
| case breakout                | 26 at 4 m                    |
| sound spectrum Hz            | Ges. 125 250 500 1k 2k 4k 8k |
| lwa suction dB               | 58 27 46 51 54 52 44 33      |
| (A)                          | 58 30 48 52 56 49 45 33      |
| lwa pressure side dB         | 46 24 31 38 44 32 30 23      |
| (A)                          |                              |
| lwa radiation dB             |                              |
| (A)                          |                              |

**description**

MV 100 A

Multivent duct fan 1-PH

Swing-out pipe fan with high pressure and volume capacity, for space-saving installation in the pipe run.

Housing made of impact-resistant and corrosion-resistant plastic, color light gray, with molded mounting bracket for easy installation on the wall or ceiling, as well as suction and discharge nozzles corresponding to the standard pipe diameters. By loosening the clamping bracket, the fan unit with terminal box can be rotated into any position and removed for maintenance and cleaning. Delivery including dowels and screws.

Semi-axial impeller, eight spatially curved blades made of thermoplastic. Vibration-free running due to dynamic balancing according to quality level G 6.3 VDI 2060 and DIN ISO 1940.

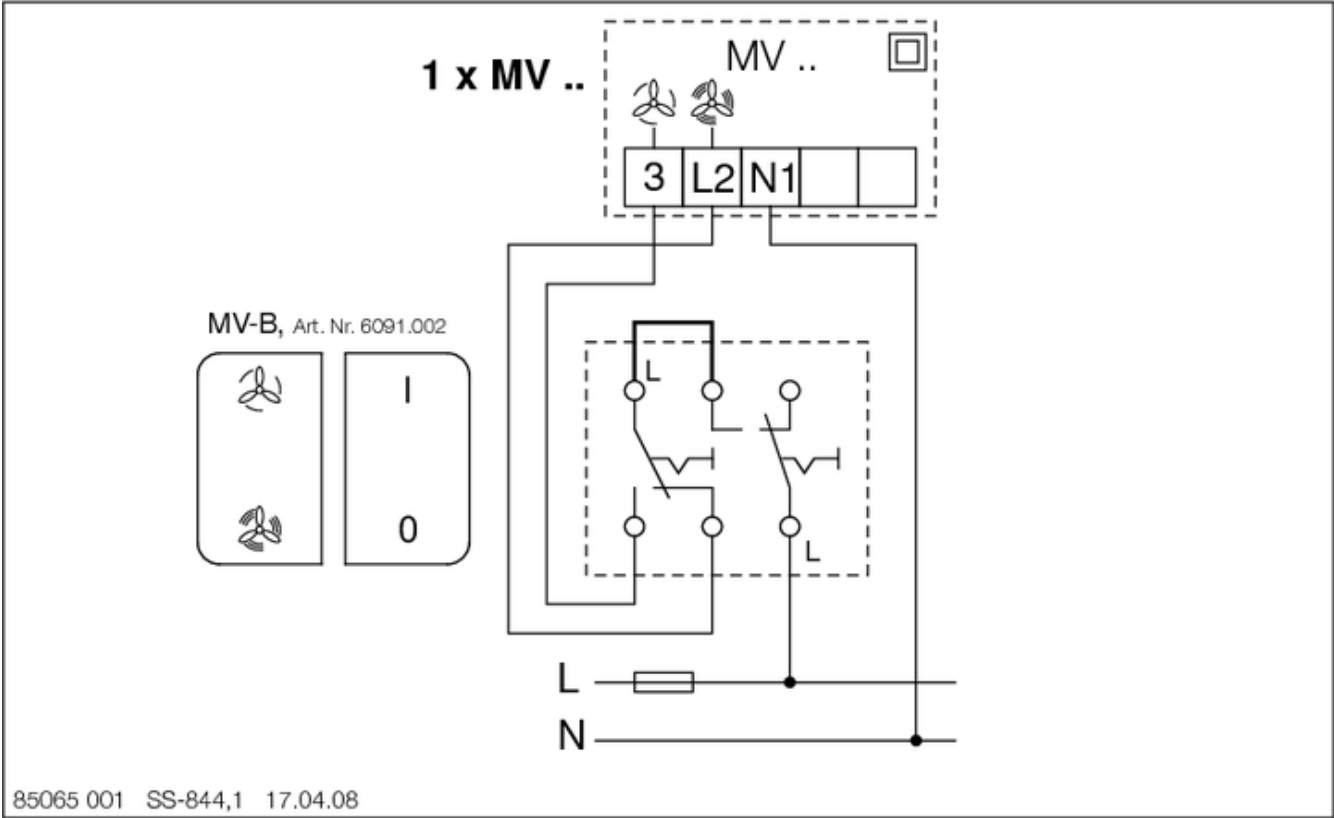
Closed, ball-bearing capacitor motor with moisture protection, insulation class F, for continuous operation. Maintenance and radio interference free. Motor protection through thermal overload protection in the winding.

## equipment

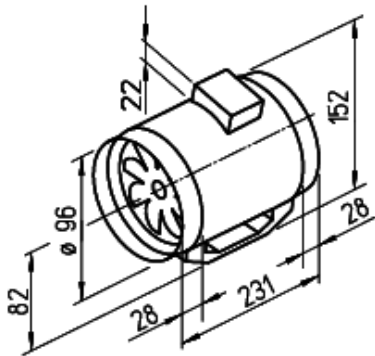
| image                                                                               | Item No. | grade              | description                                                      | WG |
|-------------------------------------------------------------------------------------|----------|--------------------|------------------------------------------------------------------|----|
|    | 8708     | EHR-R<br>0.4 / 100 | Electric heating coil 0.4 KW 230 V, for pipe diam. 100 mm        | C  |
| <b>Additional part to article 8708:</b>                                             |          |                    |                                                                  |    |
|                                                                                     | 5002     | EHS                | Electric heating register control I max. = 16 A, 3.6 KW / 6.4 KW | A  |
|    | 238      | ESA 1              | AP speed controller, stepless 1-PH, I max. 1 A, 230 V            | R  |
|    | 236      | ESU 1              | UP speed controller, stepless 1-PH, I max. 1 A, 230 V            | R  |
|    | 1681     | FM 100             | Flexible cuff with 2 hose clamps                                 | A  |
|    | 676      | FSD 100            | Flexible pipe silencer length = 1 m, DN 100 mm                   | C  |
|    | 796      | G 100              | ventilation grille                                               | A  |
|   | 8576     | LFBR<br>100        | Air filter box for pipe diameter 100 mm                          | C  |
| <b>Additional part to article 8576:</b>                                             |          |                    |                                                                  |    |
|                                                                                     | 445      | DDS                | Differential pressure switch measuring range 50 - 500 Pa         | A  |
|                                                                                     | 8585     | ELFBR 100          | Replacement air filters for LFBR 100 1 set = 5 pieces            | A  |
|  | 6091     | MVB                | Operating switch 0-1-2 for multivent duct fans                   | A  |
|  | 6071     | MVS<br>100         | Protective grille for MV 100                                     | A  |
|  | 1594     | RHS 3 +<br>1       | Revision / main switch 3-pole with auxiliary contact, 400V       | A  |
|  | 5106     | RSKK<br>100        | Pipe closure flap made of plastic, DN 100 mm                     | C  |
|  | 3608     | TSW 0.3            | Transformer speed controller 1-PH, 230 V, 0.35 A.                | R  |
|  | 757      | VK 100             | Automatic closing flap, plastic                                  | A  |
|  | 9479     | WHR<br>100         | Hot water heating register for pipe diameter 100 mm              | C  |
| <b>Additional part to article 9479:</b>                                             |          |                    |                                                                  |    |
|                                                                                     | 8817     | WHST 300<br>T38    | Hot water heating register control thermostat with duct sensor   | A  |
|  | 342      | ZNE                | Electron. Overrun switch with variable overrun time              | A  |



circuit diagram



Dimensions



**Product specifications**

MV 100 A

Multivent duct fan 1-PH

RADAX duct fan Multivent

Impact and corrosion resistant housing

Plastic, color light gray, with shaped mounting bracket for easy installation on the wall or ceiling as well as the

Appropriate pipe diameters

suction and discharge nozzle. By loosening

der Spannbügel ist die Ventilatoreinheit

mit Klemmkasten in jede Position drehbar

und zur Wartung und Reinigung heraus-

nehmbar. Lieferung inkl. Dübel und

Schrauben.

Halbaxiales Laufrad, acht räumlich ge-

krümmte Schaufeln aus Thermoplast,

Auswuchtgüte G 6.3 nach VDI 2060

und DIN ISO 1940.

Geschlossener, kugelgelagerter Konden-

satormotor mit Feuchtschutz, Isolations-

klasse F, für Dauerbetrieb. Wartungs-

und funktionsfrei. Motorschutz durch

thermischen Überlastungsschutz in der

Wicklung.

Ventilator-Daten (Standard)

|                            |     |        |
|----------------------------|-----|--------|
| Vol.str. bei 0 Pa          | 190 | m3/h   |
| Vol.str. Betr.pkt.         |     | m3/h   |
| Max. Druckerhöhung         | 46  | Pa     |
| Druckerh. Betriebspkt      |     | Pa     |
| Fördermitteldichte         | 1.2 | Kg/m3  |
| Fördermitteltemperatur     |     | GradC  |
| Anstellwinkel              | 0   | Grad   |
| Betriebsdauer              |     | h      |
| Speed 2070/2620            | 1   | / min  |
| Power consumed 0.012 / 0.0 |     | kW     |
| Weight 1.2                 |     | kg     |
| Sound power 58             |     | dB (A) |

Sound power spectrum L<sub>W</sub>a in dB (A)

Freq = associated frequency in Hz

Freq 250 500 1000 2000 4000 8000

LW 46 51 54 52 44 33

Voltage 230 volts

Current consumption 0.05 / 0.0 amp

AC / three-phase current W

Frequency 50 Hz

Insulation class F

Degree of protection IP 44

Explosion protection N

temperature class

Make: Helios

Item number: 6050

Type: MV 100 A