



Quiet and compact mixed-flow fan

- Available with AC and EC motors for 50 and 60Hz
- Easy to install
- Sound and energy optimized impellers

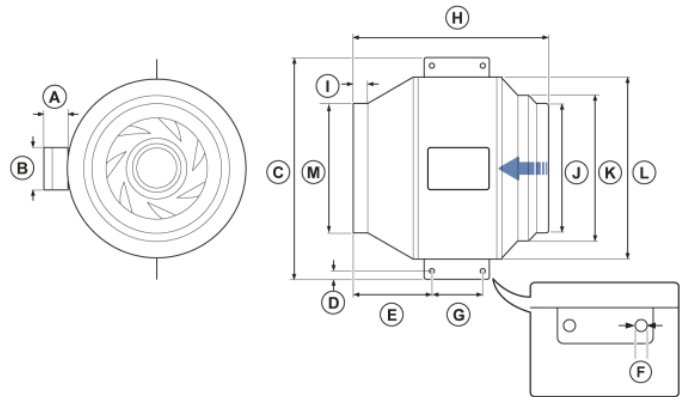
[Find more details in our online catalogue](#)

Technical parameters

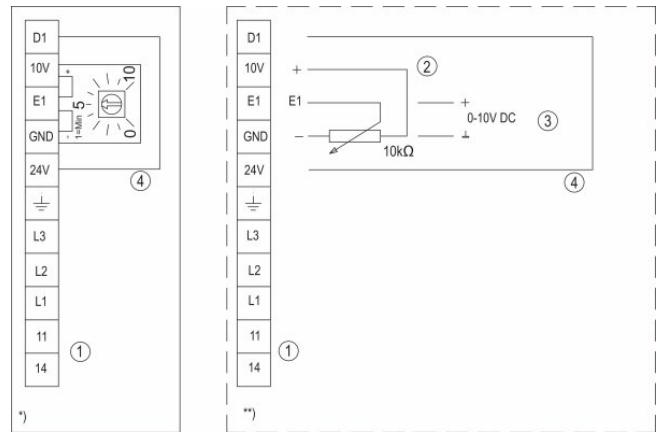
| Nominal data | |
|-----------------------------------------------------------|---------------------------------|
| Voltage (nominal) | 400 V |
| Frequency | 50; 60 Hz |
| Phases | 3~ |
| Input power | 2,479 W |
| Input power kW | 2.479 kW |
| Input current | 3.79 A |
| Impeller speed | 1,768 rpm |
| Air flow | max ; 10,736; m ³ /h |
| Temperature of transported air | max 40 °C |
| Max temperature of transported air, when speed controlled | 40 °C |
| Sound data | |
| Sound pressure level at 3m (20m ² Sabin) | 74 dB(A) |
| Protection/Classification | |
| Enclosure class, motor | IP54 |
| Insulation class | F |
| Data according to ErP | |
| ErP ready | ErP 2018 |
| Dimensions and weights | |
| Duct dimension; Circular, inlet | 500 mm |
| Weight | 36.8 kg |
| Others | |
| Motor type | EC |

Dimension

| A | B | C | D | E | ØF | G | H | I | ØJ | ØK | ØL | ØM |
|----|-----|-----|------|-----|----|-----|-----|----|-----|-----|-----|-----|
| 65 | 107 | 812 | 18,5 | 265 | 12 | 100 | 643 | 46 | 450 | 500 | 660 | 500 |



Wiring



*) = Internal potentiometer

**) = External speed control

1 11 & 14 = Alarm

For operation the relay is energized, connections "11" and "14" are bridged.

For fault the relay is de-energized (Diagnostics/faults).

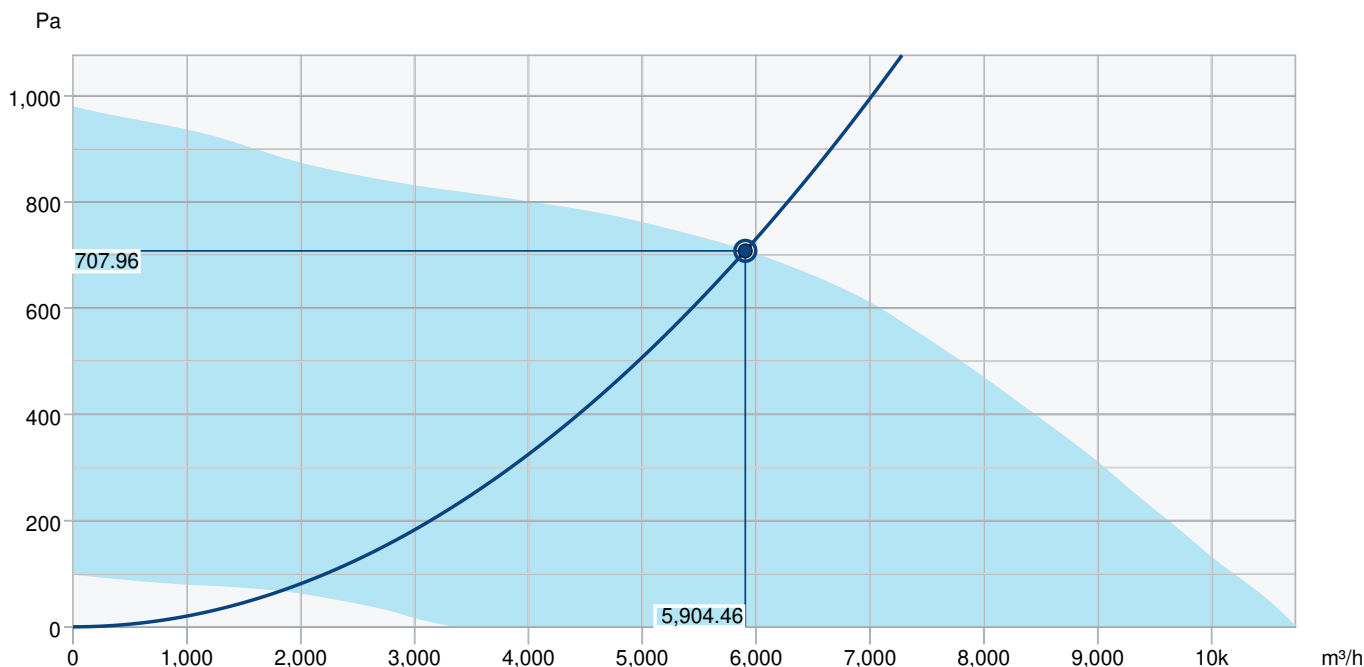
Contact rating max. AC 250V 2A.

2 External potentiometer

3 External input DC 0...10V

4 External ON / OFF control via potential free contact

Performance curve



| Hydraulic data | |
|--------------------------|---------------|
| Required air flow | 5,905 m³/h |
| Required static pressure | 708 Pa |
| Working air flow | 5,904 m³/h |
| Working static pressure | 708 Pa |
| Air density | 1.204 kg/m³ |
| Power | 2,298.5 W |
| Fan control - RPM | 1,772 rpm |
| Current | 3.51 A |
| SFP | 1.401 kW/m³/s |
| Control voltage | 10.0 V |
| Supply voltage | 400 V |

| Sound power level | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Total |
|------------------------------------------|-------|----|-----|-----|-----|----|----|----|----|-------|
| Inlet | dB(A) | 71 | 80 | 85 | 85 | 84 | 81 | 74 | 64 | 90 |
| Outlet | dB(A) | 66 | 78 | 82 | 87 | 88 | 84 | 77 | 68 | 92 |
| Surrounding | dB(A) | 34 | 53 | 72 | 76 | 78 | 70 | 60 | 43 | 81 |
| Sound pressure level at 3m (20m² Sabine) | dB(A) | - | - | - | - | - | - | - | - | 74 |
| Sound pressure level at 3m free field | dB(A) | - | - | - | - | - | - | - | - | 60 |

Accessories

CXE/AVC Modbus (37256)

EC-Basic-H humidity (24807)

EC-Basic-U universal 0-10V (24806)

EC-Vent control board (3115)

MTP 10, 10K, Speed control (32731)

Potentiometer MTP 20, 0-10V (310220)

RSK-500 Back draft damper (73049)

Step switch S-5EC-2, 0-10V (449084)

Presence detector/IR24-P (6995)

Safety switch 3-pole grey (210680)

VBC 500-2 Water heating batt (9837)

EC-Basic-CO2 and temperature (24808)

EC-Basic-T temperature (24805)

EC-Selector (9908)

EC-Vent Room Unit (3018)

MTV-1/010 Controller 0..10V+ (30650)

REV-5POL/05-7,5kW R/Y (33979)

SG 500 Protection guard (5615)

HR1 Room Humidistat (215150)

RT 0-30 Room Thermostat (5151)

FK 500 Fast clamp (1617)

Room hygrostat HR-S (286251)

Documents

INSTALLATION_OPERATION_AND_MAINTENANCE_INSTRUCTION_K_KV_PRIO_EN_010.PDF

COMMISSIONING_RECORD_FANS_EN.PDF