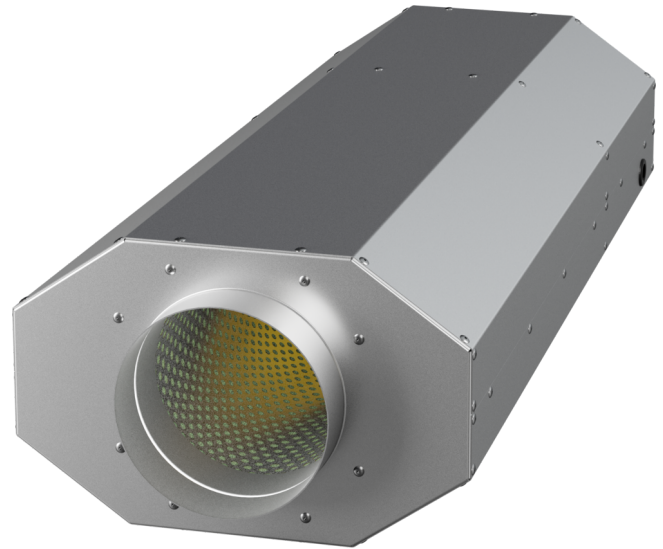


# EMI 150 E2M O 01

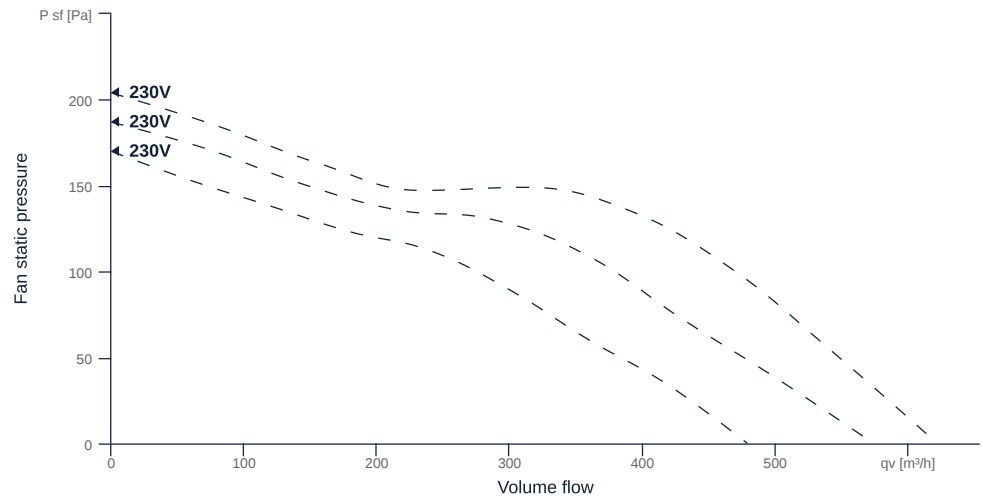
158059

- High-efficiency, insulated diagonal fan
- Optimum sound attenuation due to silencer
- Very compact housing made of galvanized sheet steel
- Robust AC motor, 3-steps controllable
- Highest aerodynamic efficiency
- Conveyed medium temperature up to 60 °C in continuous operation



## MAP

| Name        | Value | Unit |
|-------------|-------|------|
| Volume flow | 0     | m³/h |
| Pressure    | 0     | Pa   |



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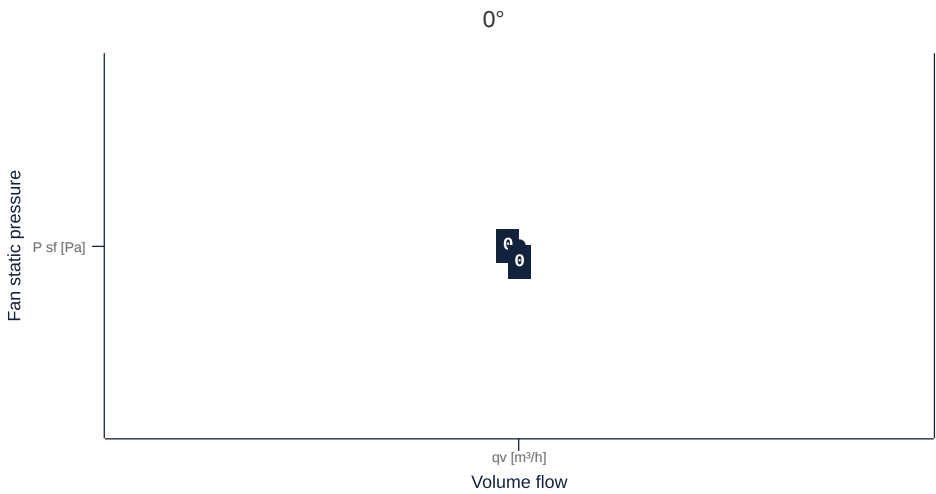
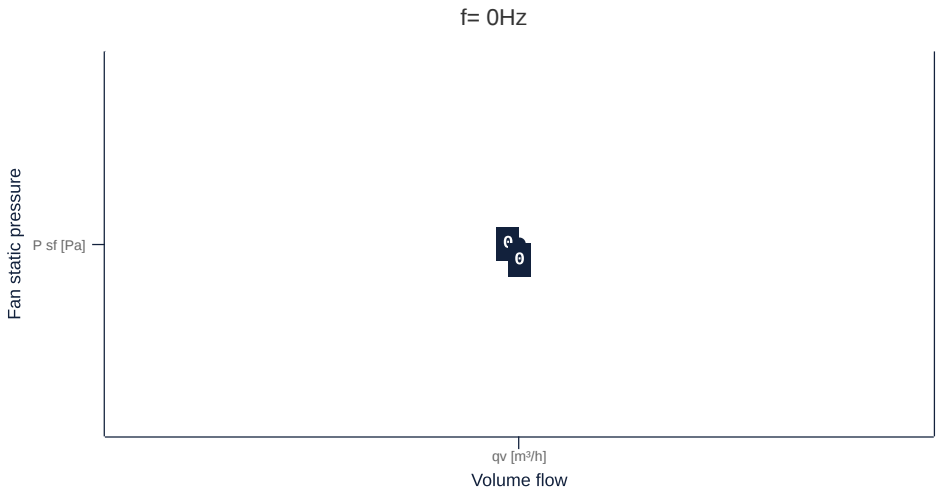
# EMI 150 E2M O 01

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## MAP

| Name        | Value | Unit |
|-------------|-------|------|
| Volume flow | 0     | m³/h |
| Pressure    | 0     | Pa   |



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## GENERAL DATA

| Name                                  | Value            | Unit | Formula symbol          |
|---------------------------------------|------------------|------|-------------------------|
| ERP conformity                        | Yes              |      |                         |
| Certifications                        | CE, UKCA         |      |                         |
| Duct size                             | -                |      | WxH <sub>duct</sub>     |
| Pipe connection size (DN)             | DN150            |      | DN                      |
| Rated voltage (entire device)         | 230              | V    | U <sub>rated</sub>      |
| Phases (entire device)                | 1~               |      | phase                   |
| Electrical protection (entire device) | 6 A              |      | fuse                    |
| Housing material                      | Galvanized steel |      | mat <sub>casing</sub>   |
| Impeller material                     | Plastic          |      | mat <sub>impeller</sub> |
| Weight                                | 10.2             | kg   | m                       |
| Fan type                              | Diagonal         |      | Fan <sub>type</sub>     |
| Category / Installation situation     | B                |      | cat                     |

## MAXIMAL DATA

| Name                            | Value | Unit  | Formula symbol        |
|---------------------------------|-------|-------|-----------------------|
| Max. power consumption (device) | 47    | W     | P <sub>ed, max</sub>  |
| Max. operating current (device) | 0.22  | A     | I <sub>ed, max</sub>  |
| Max. speed                      | 2840  | 1/min | n <sub>max</sub>      |
| Max. stat. efficiency           | 30.8  | %     | η <sub>es</sub>       |
| Max. fan efficiency             | 35.8  | %     | η <sub>e</sub>        |
| Max. flowrate                   | 620   | m³/h  | Q <sub>v, max</sub>   |
| Max. stat pressure              | 200   | Pa    | p <sub>sf, max</sub>  |
| Max. medium temperature         | 60    | °C    | T <sub>m, max</sub>   |
| Max. environment temperature    | 60    | °C    | T <sub>amb, max</sub> |
| Min. environment temperature    | -25   | °C    | T <sub>amb, min</sub> |



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MOTOR DATA

| Name                     | Value |                 | Unit | Formula symbol |
|--------------------------|-------|-----------------|------|----------------|
|                          | 50 Hz | 60 Hz           |      |                |
| Rated frequency (device) |       | 50              |      | f              |
| Motor type               |       | AC 1~           |      | phase          |
| Control type             |       | step-controlled |      | ctrltype       |
| Installation type        |       | IRM (In)        |      | install        |
| Rotation direction       |       | right           |      | rotation       |
| Isolation class          |       | ISO F           |      | ISOclass       |
| Motor-protection         |       | TAI             |      | protectmotor   |
| Protection class         |       | IP00            |      | IPmotor        |
| Is pole-changeable       |       | No              |      | polexch        |
| Type of power supply     |       | AC 1~           |      | pwrsupmotor    |
| Capacity capacitor       |       | 1.5             | µF   | Ccond          |
| Voltage capacitor        |       | 450             | V    | VUcond         |
| Number of poles (1)      |       | 2.000000        |      | num polesw1    |
| Rated voltage            | 230   |                 | V    | Urated, f1     |
| Rated current            | 0.22  |                 | A    | Irated, f1     |
| Shaft power              | 25    |                 | W    | Pout, f1       |
| UL-Certification motor   |       | None            |      | ULcert         |

ERP DATA (LOT11)

| Name                                                      | Value | Unit  | Formula symbol      |
|-----------------------------------------------------------|-------|-------|---------------------|
| Speed at the energy efficiency optimum                    | 2748  | 1/min | n <sub>opt</sub>    |
| Efficiency level                                          | 42.6  | %     | N                   |
| Efficiency category                                       | total |       | catefficiency       |
| Input power of the motor at the energy efficiency optimum | 0.05  | kW    | P <sub>e, opt</sub> |
| Overall efficiency                                        | 67.3  | %     | η <sub>ges</sub>    |
| Measurement category                                      | B     |       | meas cat            |
| Fan pressure at energy efficiency optimum                 | 148   | Pa    | p <sub>f, opt</sub> |
| Flowrate at energy efficiency optimum                     | 388   | m³/h  | Q <sub>v, opt</sub> |



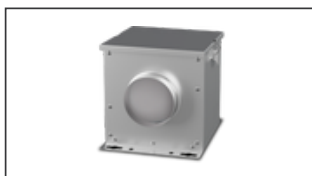
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## SCHALTPLÄNE / MASSZEICHNUNGEN



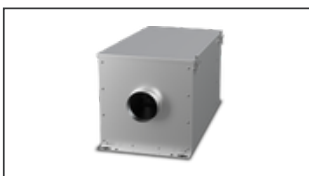
## MECHANICAL ACCESSORIES

**FV 150 | 112680**



- Air filter box with mat filter ISO Coarse 45 % (G3)
- Toggle-type fastener

**FT 150 | 112842**



- Air filter box for pocket filter
- Toggle-type fastener
- Galvanized steel sheet housing
- Without filter

**FTW 150 | 112851**



- Air filter box with pocket filter M5
- Integrated warm water heating coil
- Galvanized steel sheet housing
- Toggle-type fastener

**RSK 150 | 102660**



- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

**RSK 150D | 113484**



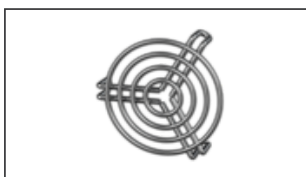
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps
- Integrated gasket

**VM 150 | 102648**



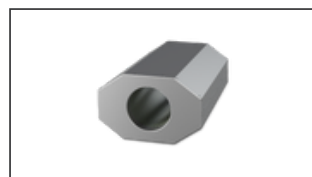
- Fast clamps for sound decoupling and sealing
- Galvanized steel sheet, 5 mm
- Neopren gasket
- 1 Pack = 2 pieces

**SG 150 01 | 102896**



- Protection grille for tube connection
- Galvanized wire

**SD 00150 500 R 05 | 158074**



- Rigid tube silencer
- Galvanized steel sheet
- Insulated with mineral wool



# EMI 150 E2M O 01

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## ELECTRICAL ACCESSORIES

GS 03 | 107633



- Device switch
- $U_{max} = 400 \text{ V}$ ,  $I_{max} = 25 \text{ A}$
- Switching capacity  $400 \text{ V } 3\sim = 5,5 \text{ kW}$
- Protection class IP 55

MTS 10 | 128145



- 3-step switch
- Max. ambient temperature  $50 \text{ }^{\circ}\text{C}$
- Surface and flush mounting
- IP 44



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