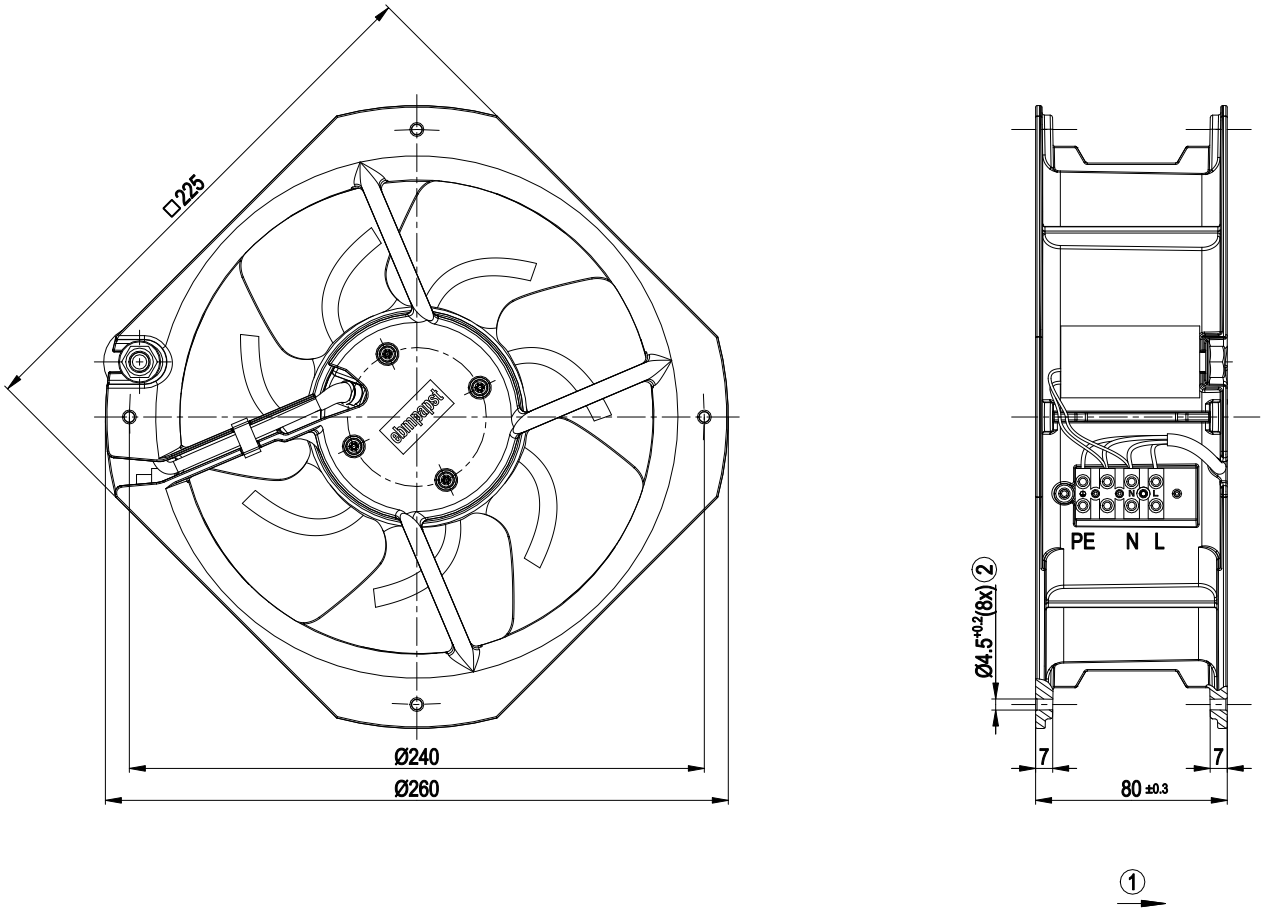
3. TECHNICAL DATA

3.1 Product drawing



All dimensions in mm.

1	Direction of air flow "V"
2	For self-tapping M5 screws

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3.2 Nominal data

Motor	M2E068-BF

Phase	1~	1~
Nominal voltage / VAC	230	230
Frequency / Hz	50	60
Method of obtaining data	fa	fa
Valid for approval/ standard	CE	CE
Speed (rpm) / min^{-1}	2550	2800
Power consumption / W	64	80
Current draw / A	0.29	0.35
Capacitor / µF	1.5	1.5
Capacitor voltage / VDB	450	450
Capacitor standard	S0 (CE)	S0 (CE)
Max. back pressure / Pa	80	95
Min. ambient temperature / °C	-25	-25
Max. ambient temperature / °C	55	65
Starting current / A	0.55	0.54

ml = Max. load · me = Max. efficiency · fa = Free air
cs = Customer specification · ce = Customer equipment

Subject to change

3.3 Technical description

Weight	2.1 kg
Size	200 mm
Motor size	68
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Fan housing material	Die-cast aluminum
Number of blades	7
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0 - dry environment
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	Terminal strip; Capacitor connected
Motor protection	Thermal overload protector (TOP) internally connected
with cable	Variable
Protection class	I (with customer connection of protective earth)
Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1; CE
Approval	CSA C22.2 No. 113; CCC; VDE; UL 1004-3; EAC

With regard to cyclic speed loads, note that the rotating parts of the device are designed for a maximum of one million load cycles. If you have special questions, consult ebm-papst for support.

⇒ Use the device in accordance with its degree of protection.

Information on surface quality

The surfaces of the products conform to the generally applicable industrial standard. The surface quality may change during the production period. This has no effect on strength, dimensional stability and dimensional accuracy.
The color pigments in the paints used perceptibly react to UV light over the course of time. The product is to be protected against UV radiation to prevent the formation of patches and fading. Changes in color are not a reason for complaint and are not covered by the warranty. UV radiation in the frequency range and the intensity of natural solar radiation has no effect on the technical properties of the products.

3.4 Mounting data

Any further mounting data required can be taken from the product drawing or Section Chapter 4.1 Mechanical connection.

Strength class of screws	8.8

For screw clearance, see Chapter 3.1 Product drawing

⇒ Secure the screws against unintentional loosening (e.g. use self-locking screws).

3.5 Transport and storage conditions

Max. permitted ambient temp. for motor (transport/ storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/ storage)	- 40 °C

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