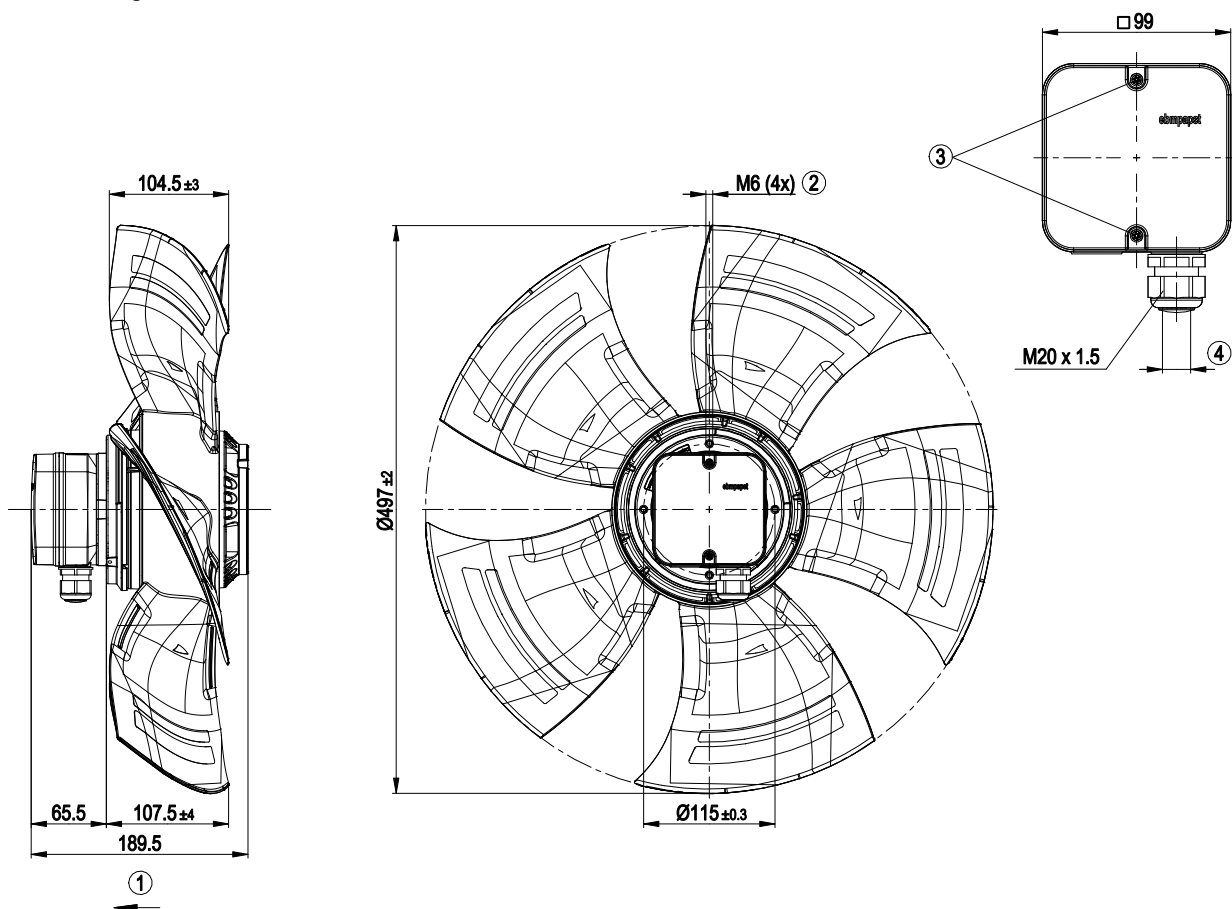


3. TECHNICAL DATA

3.1 Product drawing



All dimensions in mm.

1	Direction of air flow "V"
2	Max. clearance for screw 12 mm
3	Tightening torque 1.5 ± 0.2 Nm
4	Cable diameter: min. 6 mm, max. 12 mm; tightening torque 2 ± 0.3 Nm

3.2 Nominal data

Motor	M6E110-EF	
Phase	1~	1~
Nominal voltage / VAC	230	230
Frequency / Hz	50	60
Method of obtaining data	ml	ml
Valid for approval/standard	-	-
Speed (rpm) / min ⁻¹	915	1015
Power consumption / W	270	390
Current draw / A	1.18	1.72
Capacitor / μ F	8	8
Capacitor voltage / VDB	400	400
Max. back pressure / Pa	70	90
Min. ambient temperature / °C	-40	-40
Max. ambient temperature / °C	65	65
Starting current / A	2.3	2.2

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

Subject to change

3.3 Technical description

Weight	8 kg
Size	500 mm
Motor size	110
Rotor surface	Painted black
Terminal box material	PC/ABS plastic Bayblend FR110
Blade material	Press-fitted sheet steel blank, sprayed with PP plastic
Number of blades	5
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP54
Insulation class	"F"
Moisture (F) / Environmental (H) protection class	H2
Installation position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensation drainage holes	On rotor side
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	≤ 3.5 mA
Electrical hookup	Terminal box; Via terminal box, capacitor integrated and connected
Motor protection	Thermal overload protector (TOP) with basic insulation
with cable	Axial
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 61800-5-1
Approval	CSA C22.2 No. 100; CCC; VDE; UL 1004-1; 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. This does not however in any way affect the technical properties of the products. 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.

3.4 Mounting data

Strength class of screws	8.8
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⇒ Secure the screws against unintentional loosening (e.g. use self-locking screws).

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

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