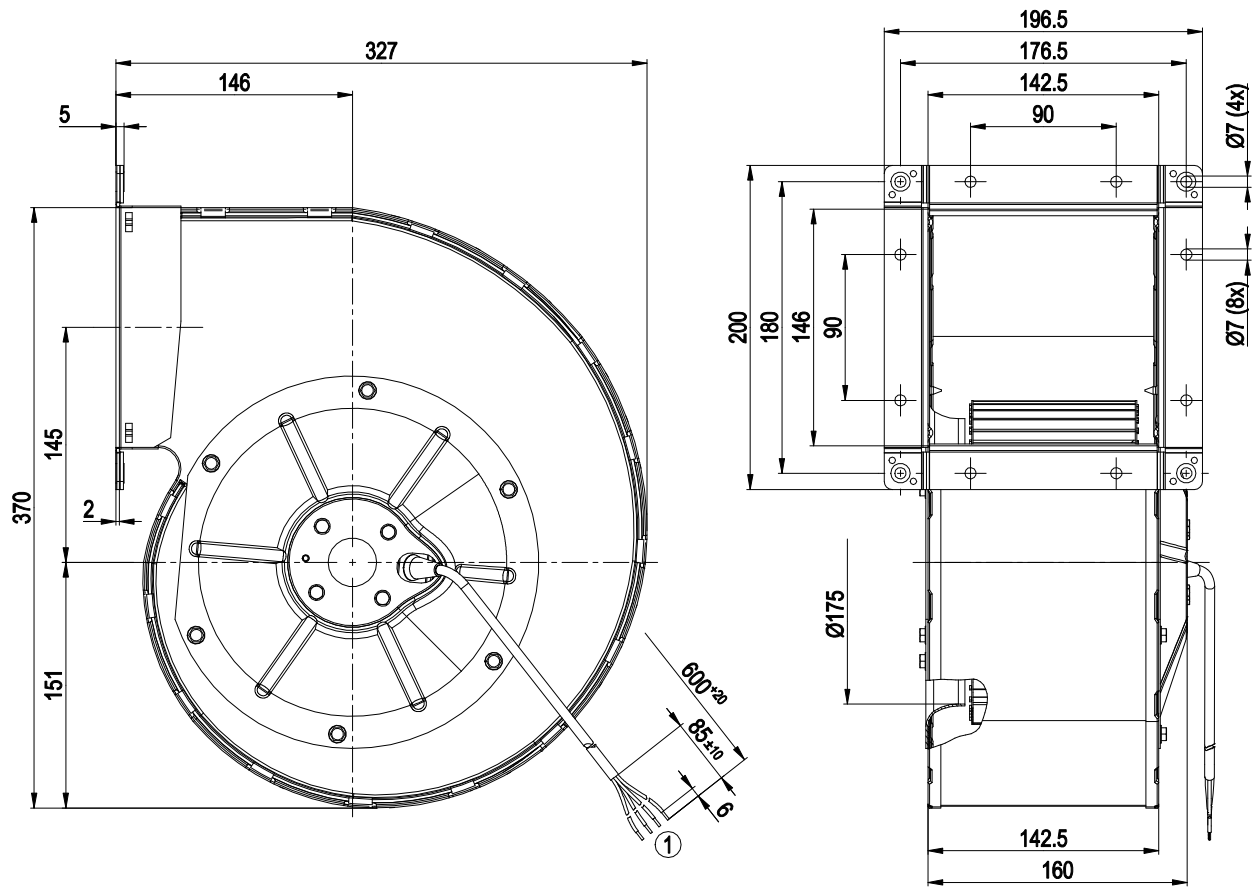


3. TECHNICAL DATA

3.1 Product drawing



All dimensions in mm.

1	Cable silicone 4G 0.5 mm², 4x crimped splices
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3.2 Nominal data

Motor	M4E074-EI	
Phase	1~	1~
Nominal voltage / VAC	230	230
Frequency / Hz	50	60
Method of obtaining data	fa	ml
Valid for approval/ standard	CE	CE
Speed (rpm) / min ⁻¹	1300	1480
Power consumption / W	280	350
Current draw / A	1.25	1.55
Capacitor / µF	8	8
Capacitor voltage / VDB	400	400
Capacitor standard	S0 (CE)	S0 (CE)
Min. back pressure / Pa	0	100
Min. ambient temperature / °C	-25	-25
Max. ambient temperature / °C	40	40

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

Subject to change

3.3 Technical description

Weight	7.06 kg
Size	200 mm
Motor size	74
Rotor surface	Unpainted
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"F"
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
Motor protection	Thermal overload protector (TOP) internally connected
with cable	Axial
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1
Approval	CCC



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

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
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For screw clearance, see Chapter 3.1 Product drawing

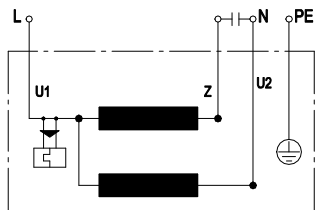
⇒ Secure the screws against unintentional loosening (e.g. use self-locking screws).

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



4.4 Connection diagram



U1	blue
Z	brown
U2	black
PE	green/yellow

