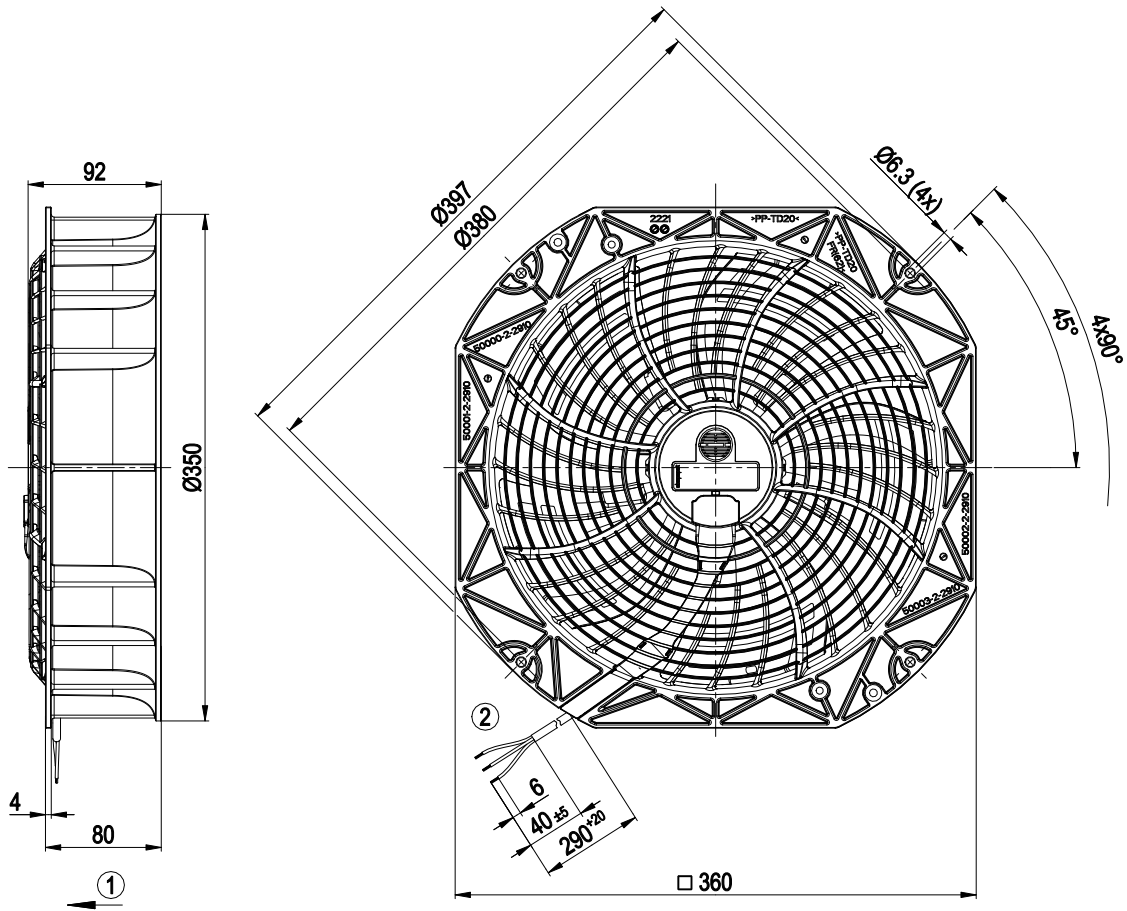


3. TECHNICAL DATA

3.1 Product drawing



All dimensions in mm.

1	Airflow direction "V"
2	Cable PVC AWG20
	3x splice

3.2 Nominal data

Motor	M1G055-BI	
Phase	1~	1~
Nominal voltage / VAC	115	115
Frequency / Hz	50/60	50/60
Method of obtaining data	ml	
Speed (rpm) / min⁻¹	1300	900
Power consumption / W	35	
Current draw / A	0.5	
Max. back pressure / Pa	35	
Min. ambient temperature / °C	-30	-30
Max. ambient temperature / °C	50	50

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

Subject to change

3.3 Technical description

Weight	1.75 kg
Size	300 mm
Motor size	55
Impeller material	PA plastic
Fan housing material	PP plastic
Number of blades	5
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP55
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1+
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Technical features	- Speed selection max./min. - Soft start - Thermal overload protection for motor
Speed levels	2
Motor protection	Thermal overload protector (TOP) internally connected
with cable	Lateral
Protection class	II
Conformity with standards	EN 60335-1; EN 60335-2-24; EN 60335-2-80; EN 60335-2-89; CE
Approval	VDE; CSA C22.2 No. 77; EAC; UL 1004-3



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

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

For screw clearance, see Chapter 3.1 Product drawing

Strength class of screws	8.8
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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