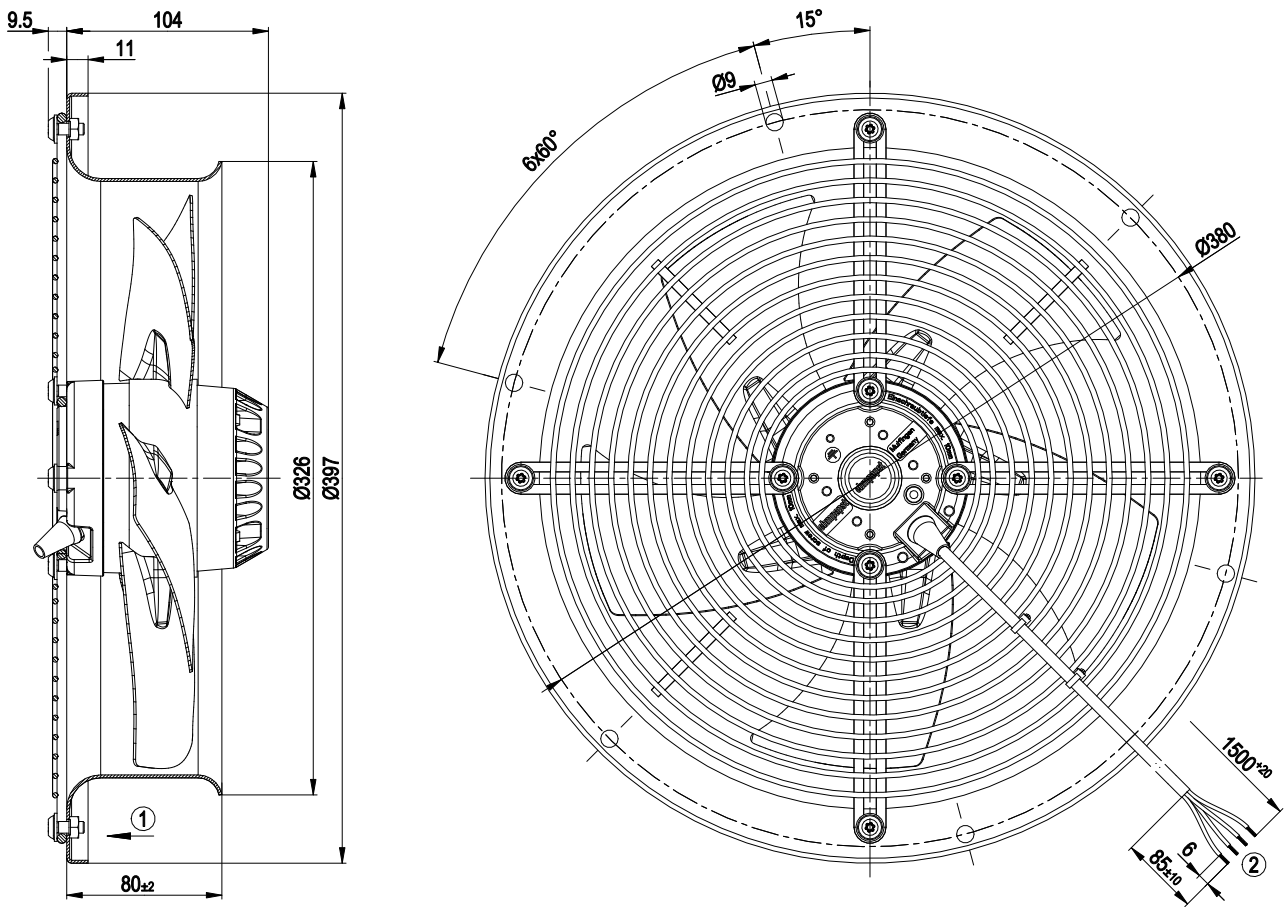


3. TECHNICAL DATA

3.1 Product drawing



All measures have the unit mm.

1	Direction of air flow "V"
2	Connection line PFA, 4x brass lead tips crimped



3.2 Nominal data

Motor	M2E074-DF	
Phase	1~	1~
Nominal voltage / VAC	230	230
Frequency / Hz	50	60
Type of data definition	fa	fa
Valid for approval / standard	CE	CE
Speed / min ⁻¹	2700	3000
Power input / W	230	350
Current draw / A	1.10	1.55
Motor capacitor / μ F	8	8
Capacitor voltage / VDB	400	400
Max. back pressure / Pa	160	50
Min. ambient temperature / °C	-25	-25
Max. ambient temperature / °C	70	60
Starting current / A	2.2	2.1

ml = Max. load · me = Max. efficiency · fa = Running at free air
 cs = Customer specs · cu = Customer unit

Subject to alterations

3.3 Data according to ErP directive

	Actual	Request 2015
01 Overall efficiency η_{es} / %	30.9	30.2
02 Measurement category	A	
03 Efficiency category	Static	
04 Efficiency grade N	40.7	40
05 Variable speed drive	No	
06 Year of manufacture	The year of manufacture is specified on the rating plate on the product.	
07 Manufacturer	ebm-papst Muldingen GmbH & Co. KG County court Stuttgart · HRA 590344 D-74673 Muldingen	
08 Type	W2E300-CP02-37	
09 Power input P_e / kW	0.28	
09 Air flow q_v / m ³ /h	2290	
09 Pressure increase total psf / Pa	140	
10 Speed n / min ⁻¹	2570	
11 Specific ratio*	1.00	
12 Recycling/disposal	Information on recycling and disposal is provided in the operating instructions.	
13 Maintenance	Information on installation, operation and maintenance is provided in the operating instructions.	
14 Additional components	Components used to calculate the energy efficiency that are not apparent from the measurement category are detailed in the CE declaration.	

* Specific ratio = $1 + p_{is} / 100\,000\text{ Pa}$

Data definition with optimum efficiency. The ErP data is determined using a motor-impeller combination in a standardised measurement configuration.

3.4 Technical features

Mass	5.3 kg
Size	300 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Sheet steel, pre-galvanised and coated in black plastic (RAL 9005)
Material of guard grille	Steel, phosphated and coated in black plastic (RAL9005)
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"F"
Humidity (F)/ environmental protection class (H)	H0+
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CCC; UL 1004-1; CSA C22.2 No.100



For cyclic speed loads, note that the rotating parts of the device are designed for maximum one million load cycles. If you have specific questions, contact ebm-papst for support.

3.5 Mounting data

For depth of screw, see chapter 3.1 Product drawing

⇒ Secure the mounting screws against accidentally coming loose (e.g. by using self-locking screws).

Strength class for mounting screws	8.8
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You can obtain additional mounting data from the product drawing if necessary.

3.6 Transport and storage conditions

⇒ Use the device in accordance with its protection type.

Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C