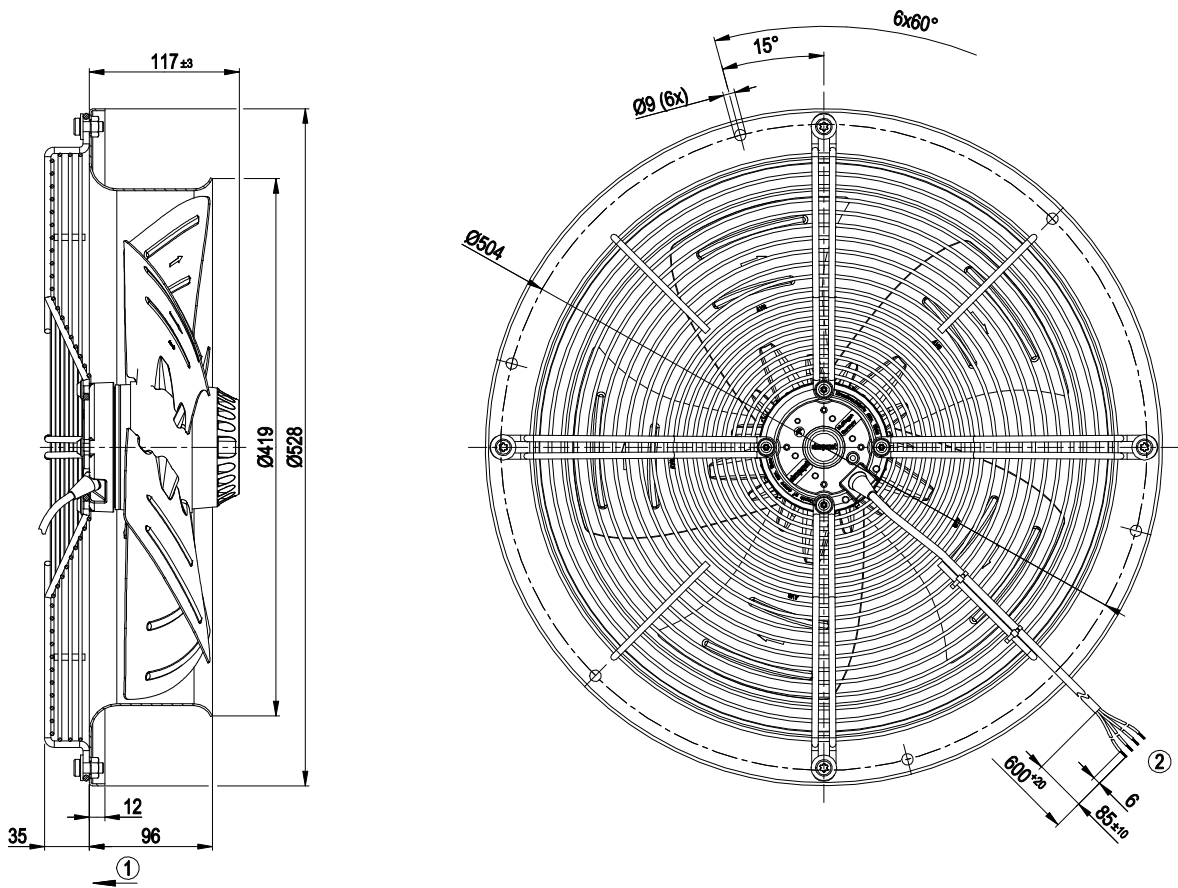


3. TECHNICAL DATA

3.1 Product drawing



All dimensions in mm.

1	Direction of air flow "V"
2	Cable PVC 4G 0.5 mm², 4x crimped splices



3.2 Nominal data

Motor	M4E074-EI	
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	1430	1700
Power consumption / W	160	240
Current draw / A	0.73	1.06
Capacitor / µF	6	6
Capacitor voltage / VDB	400	400
Max. back pressure / Pa	110	75
Min. ambient temperature / °C	-25	-25
Max. ambient temperature / °C	40	40
Starting current / A	2.0	1.9

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

Subject to change

3.3 Data according to Commission Regulation (EU) 327/2011

	Actual	Req. 2015
01 Overall efficiency η_{es} / %	31.1	29.3
02 Measurement category	A	
03 Efficiency category	Static	
04 Efficiency grade N	41.8	40
05 Variable speed drive	No	
06 Year of manufacture	The year of manufacture is specified on the product's rating label.	
07 Manufacturer	ebm-papst Mulfingen GmbH & Co. KG Amtsgericht (court of registration) Stuttgart · HRA 590344 D-74673 Mulfingen	
08 Type	W4E400-CP02-30	
09 Power consumption P_e / kW	0.2	
09 Air flow q_v / m ³ /h	2690	
09 Pressure increase total p_{sf} / Pa	87	
10 Speed (rpm) n / min ⁻¹	1390	
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 = $1 + p_{sf} / 100\,000\text{ Pa}$

Data obtained at optimum efficiency level. The ErP data is determined using a motor-impeller combination in a standardized measurement setup.

3.4 Technical description

Weight	8.06 kg
Size	400 mm
Motor size	74
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Fan housing material	Sheet steel, galvanized and coated with black plastic (RAL 9005)
Guard grille material	Steel, coated with black plastic (RAL 9005)
Number of blades	5
Airflow direction	V
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
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)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) internally connected
with cable	Variable
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
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.

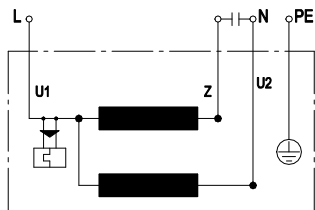
Information on surface quality

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.



4.4 Connection diagram



U1	blue
Z	brown
U2	black
PE	green/yellow

