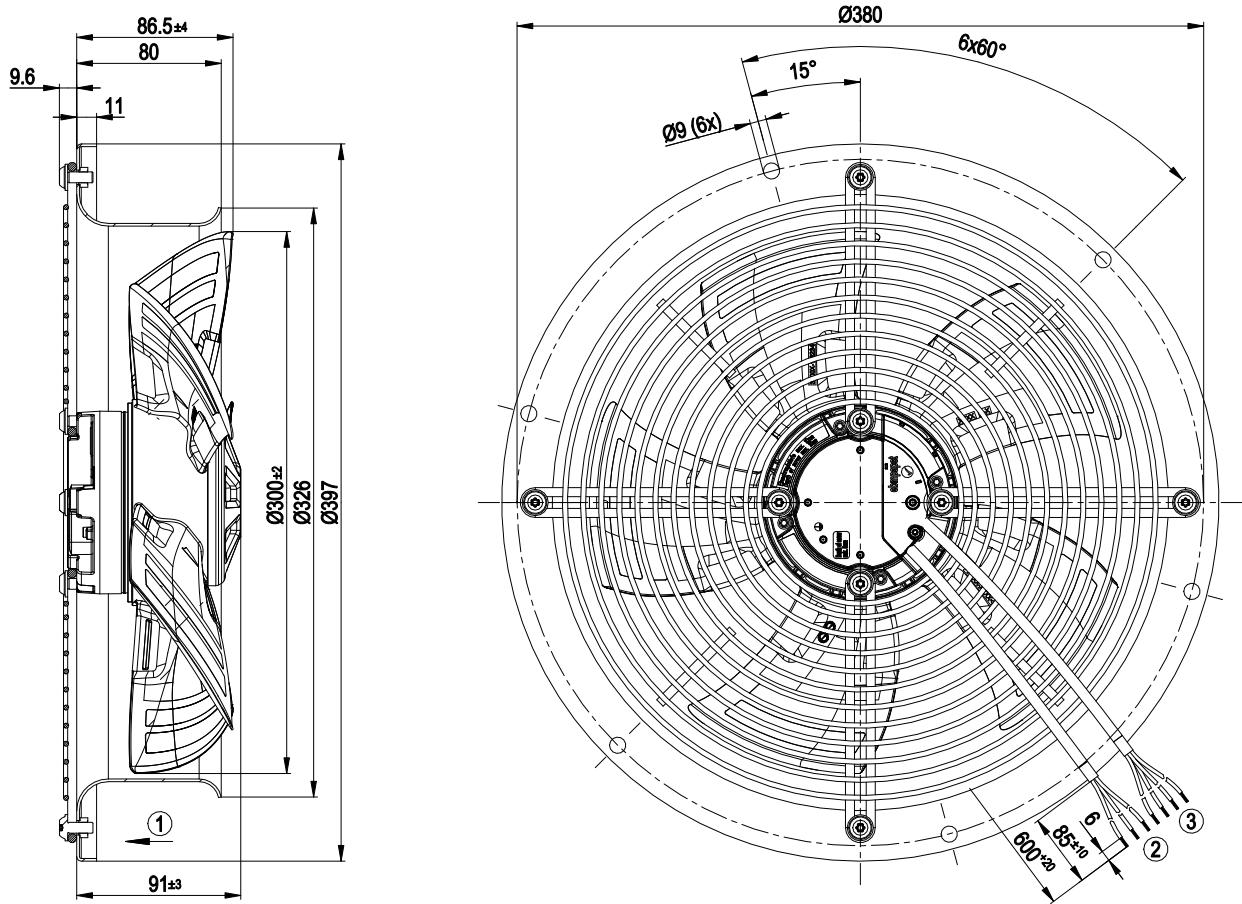


3. TECHNICAL DATA

3.1 Product drawing



All dimensions in mm.

1	Direction of air flow "V"
2	Cable PVC 3G AWG20, 3x crimped splices
3	Cable PVC 4x AWG22, 4x crimped splices

3.2 Nominal data

Motor	M3G074-CF
Phase	1~
Nominal voltage / VAC	230
Nominal voltage range / VAC	200 .. 240
Frequency / Hz	50/60
Method of obtaining data	ml
Speed (rpm) / min ⁻¹	2020
Power consumption / W	170
Current draw / A	1.35
Max. back pressure / Pa	140
Min. ambient temperature / °C	-25
Max. ambient temperature / °C	60

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} / %	43.1	28.6
02 Measurement category	A	
03 Efficiency category	Static	
04 Efficiency grade N	54.5	40
05 Variable speed drive	Yes	
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	W3G300-CN02-32	
09 Power consumption P_{ed} / kW	0.16	
09 Air flow q_v / m ³ /h	1795	
09 Pressure increase total p _{st} / Pa	128	
10 Speed (rpm) n / min ⁻¹	2060	
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 = $1 + p_{st} / 100\,000\text{ Pa}$

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	4.1 kg
Size	300 mm
Motor size	74
Blade material	Press-fitted sheet steel blank, sprayed with PP plastic
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	IP54
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
Installation position	Any
Condensation drainage holes	None, open rotor
Cooling hole/opening	On rotor side
Mode	S1
Motor bearing	Ball bearing
Technical features	<ul style="list-style-type: none"> - Output 10 VDC, max. 10 mA - Tach output - Power limiter - Motor current limitation - Soft start - Control input 0-10 VDC / PWM - Control interface with SELV potential safely disconnected from the mains - Overvoltage detection - Thermal overload protection for electronics/motor - Line undervoltage detection
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	<= 3.5 mA
Motor protection with cable	Electronic motor protection
Protection class	Variable
Conformity with standards	I (with customer connection of protective earth)
Approval	EN 60335-1; CE
	CSA C22.2 No. 77 + CAN/CSA-E60730-1; UL 1004-7 + 60730-1; 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.

