AC motor

ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Limited partnership · Headquarters Mulfingen
Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	**M4Q045-DA07-G1**
Motor	**M4Q045-DA**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		me	me
Valid for approval/standard		CE	CE
Speed (rpm)	min^{-1}	1300	1550
Power consumption	W	55	55
Power output	W	16	16
Current draw	A	0.38	0.35
Rated torque	Ncm	11	10
Mean starting torque	Ncm	6.3	4.8
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	40	40
Starting current	A	0.55	o.5

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

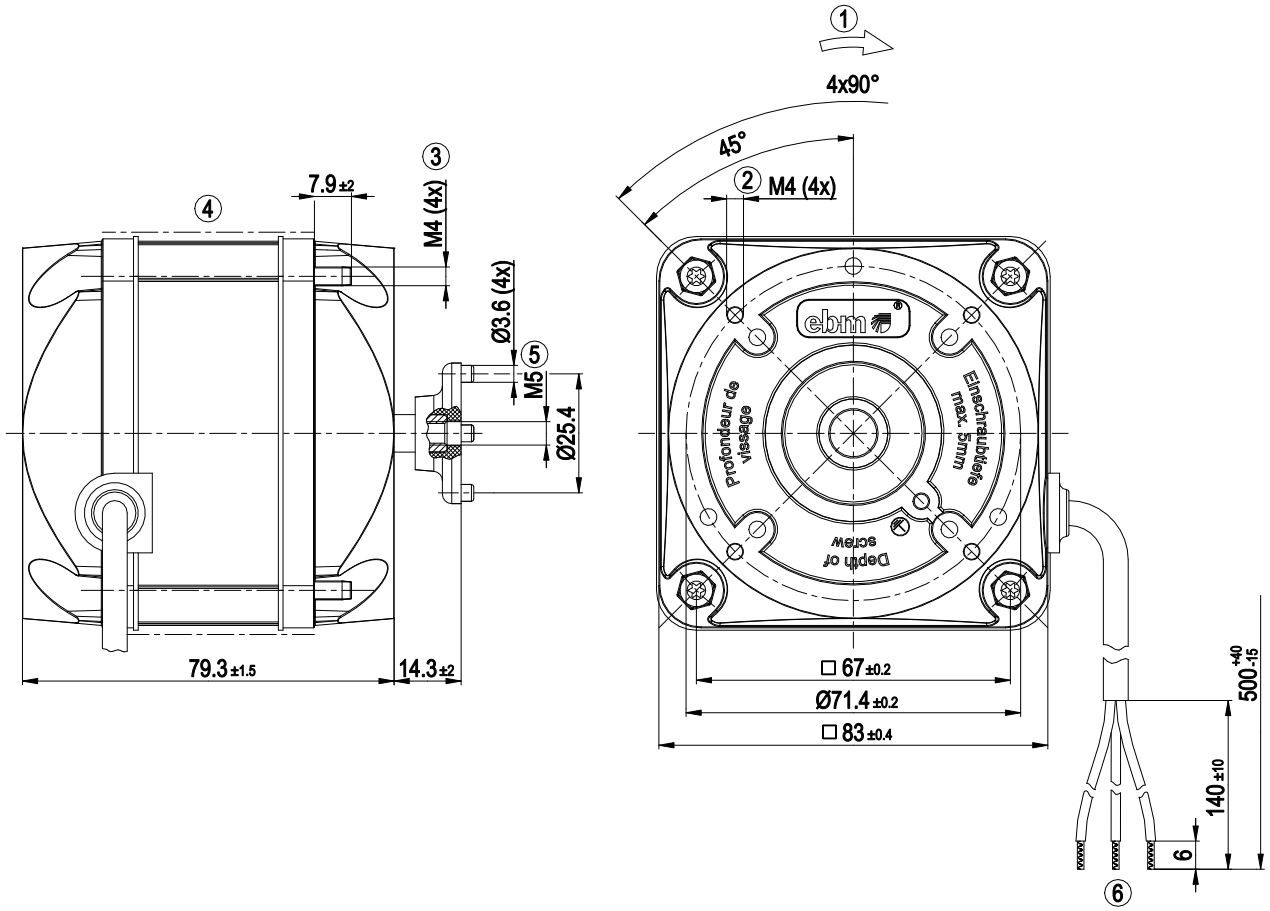
Technical description

Weight	1.5 kg
Fan size	45 mm
Bearing shield material	Die-cast aluminum
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP42; installation- and position-dependent
Insulation class	"B"
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Calotte 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	Lateral
Protection class	I (additional protective earth terminal on motor housing (bearing shield) required)
Conformity with standards	EN 60335-1; CE

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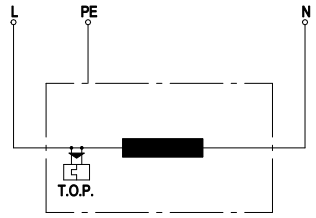
Product drawing



1	Direction of rotation counterclockwise, viewed toward shaft end
2	Max. clearance for screw 5 mm
3	Tightening torque for nut for fastening fan housing or guard grill 2.3 Nm
4	Motor painted with finishing varnish in this area
5	Tightening torque for screw to fasten fan impeller: 1.4 Nm
6	Cable PVC 3G 0.5 mm², 3x crimped splices
	Additional protective earth terminal required on motor housing (bearing shield)

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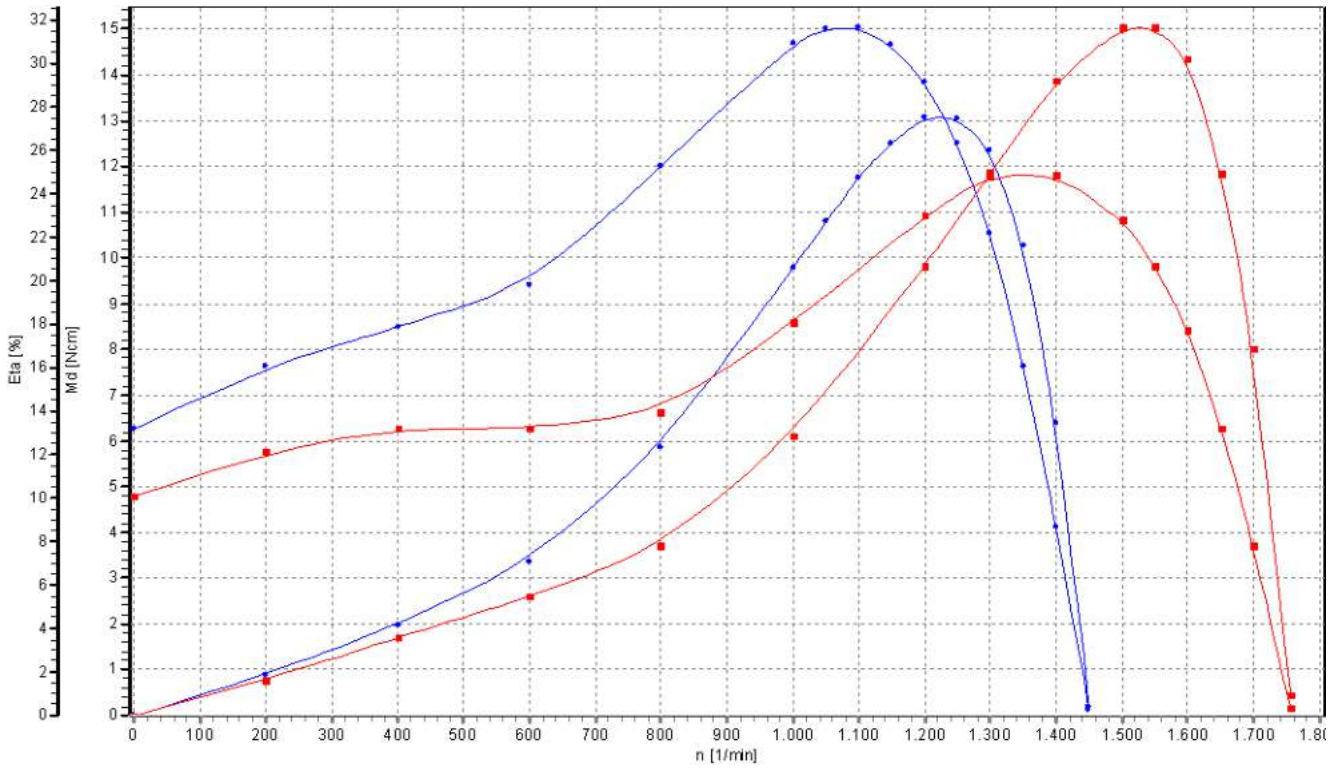
Connection diagram



L	= blue
PE	= green/yellow
N	= brown
TOP	= thermal overload protector

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Curves: Speed (rpm)



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