AC motor

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-DA17-56**
Motor	**M4Q045-DA**

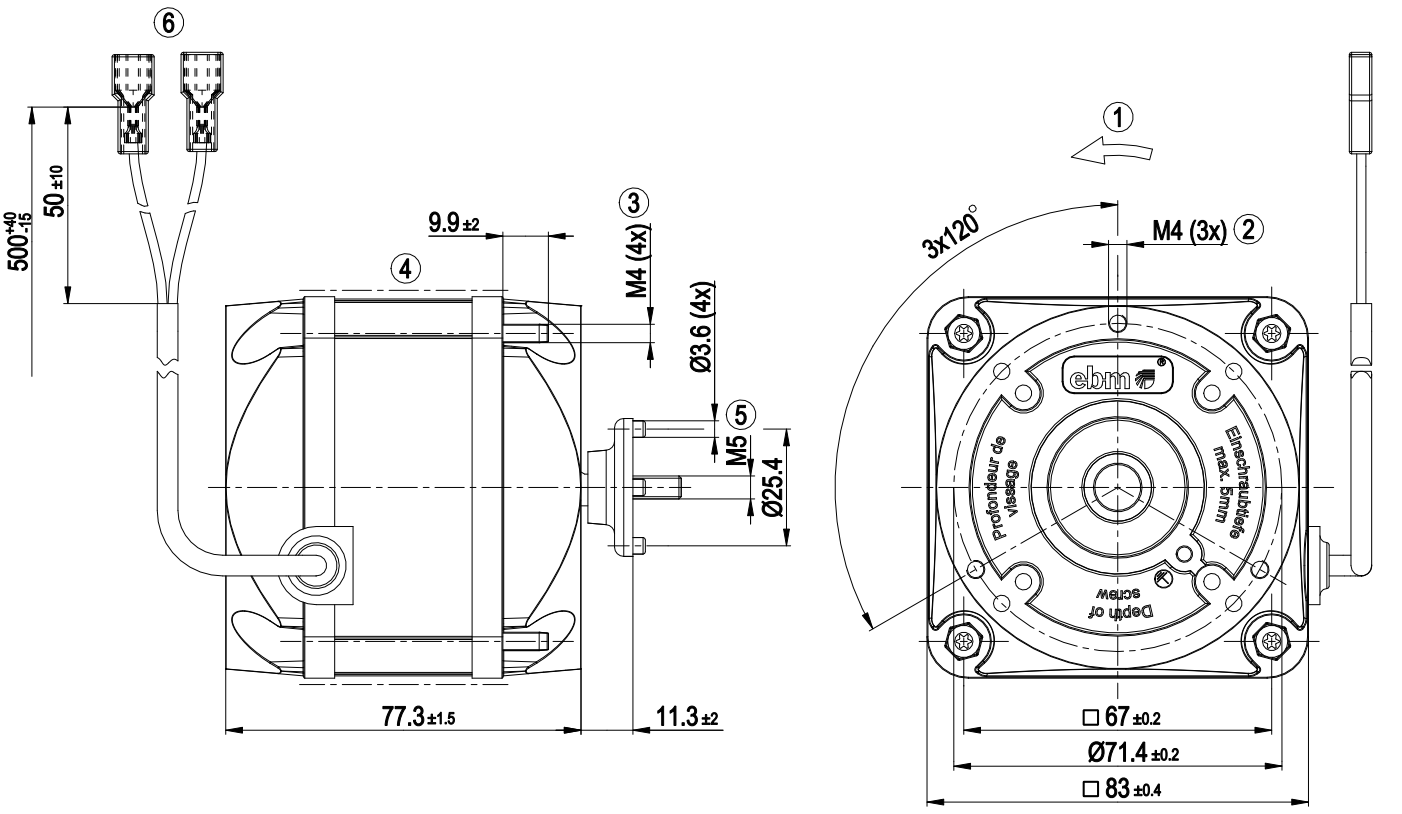
Nominal voltage	VAC	24	24
Frequency	Hz	50	60
Method of obtaining data		me	me
Valid for approval/standard		CE	CE
Speed (rpm)	min^{-1}	1300	1550
Power consumption	W	60	55
Power output	W	15	16
Current draw	A	3.9	3.5
Rated torque	Ncm	11	9.7
Mean starting torque	Ncm	6	5
Max. ambient temperature	°C	40	40
Starting current	A	5.3	4.8

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

Technical description

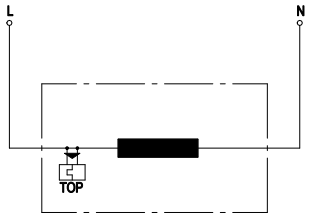
Weight	1.5 kg
Fan size	45 mm
Bearing shield material	Die-cast aluminum
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP42
Insulation class	"B"
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any, preferably horizontal
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
Electrical hookup	With plug
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Lateral
Conformity with standards	EN 60335-1; CE

Product drawing



1	Direction of rotation clockwise, viewed toward shaft
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 2x 0.5 mm², 2x flat push-on receptacle 6.3x0.8, 2x insulating sleeve

Connection diagram



L	= blue
N	= brown
TOP	Thermal overload protector

Curves: Speed (rpm)