AC motor

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Nominal data

Type	**M4Q045-EA01-01**
Motor	**M4Q045-EA**

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	90	80
Power output	W	25	26
Current draw	A	0.62	0.55
Rated torque	Ncm	18.5	16
Mean starting torque	Ncm	8.5	6.5
Min. ambient temperature	°C	-20	-20
Max. ambient temperature	°C	40	40
Starting current	A	0.9	0.75

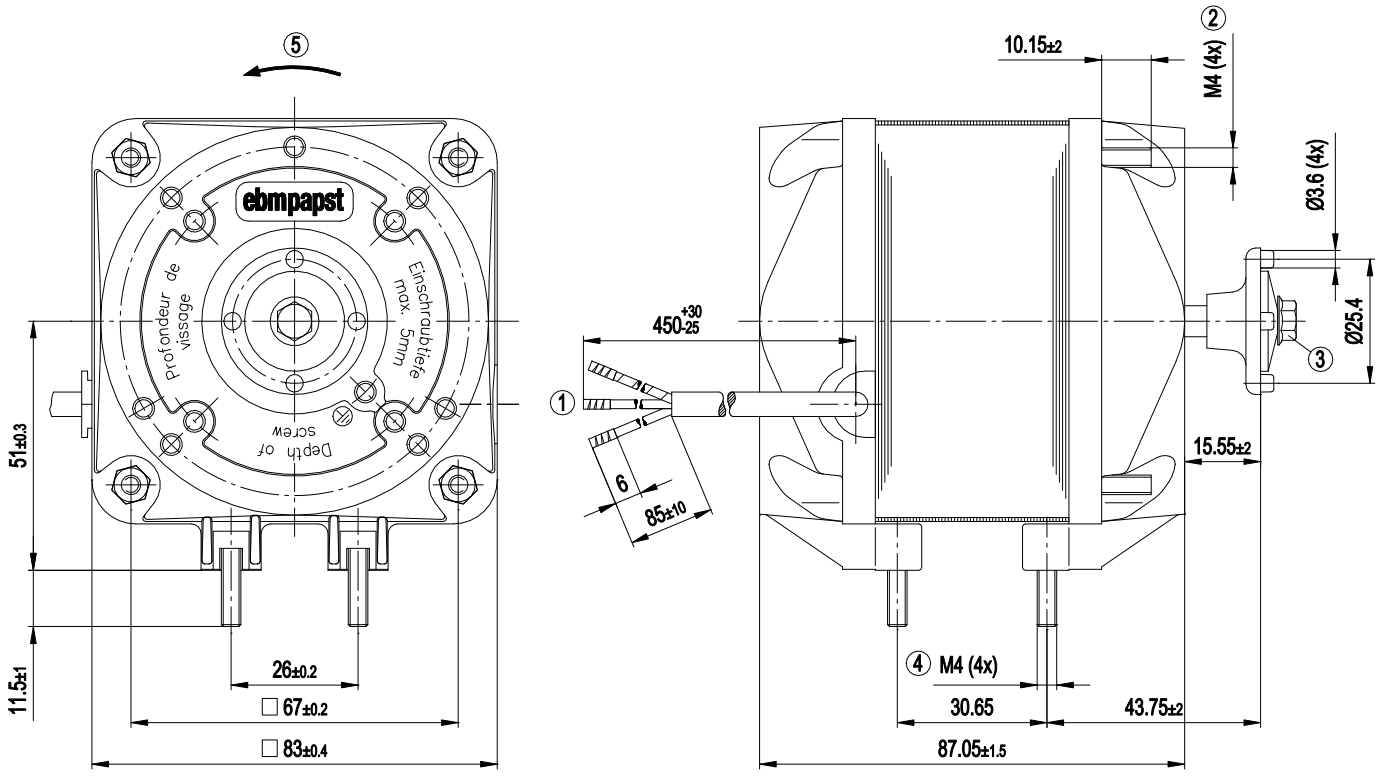
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

AC motor

Technical description

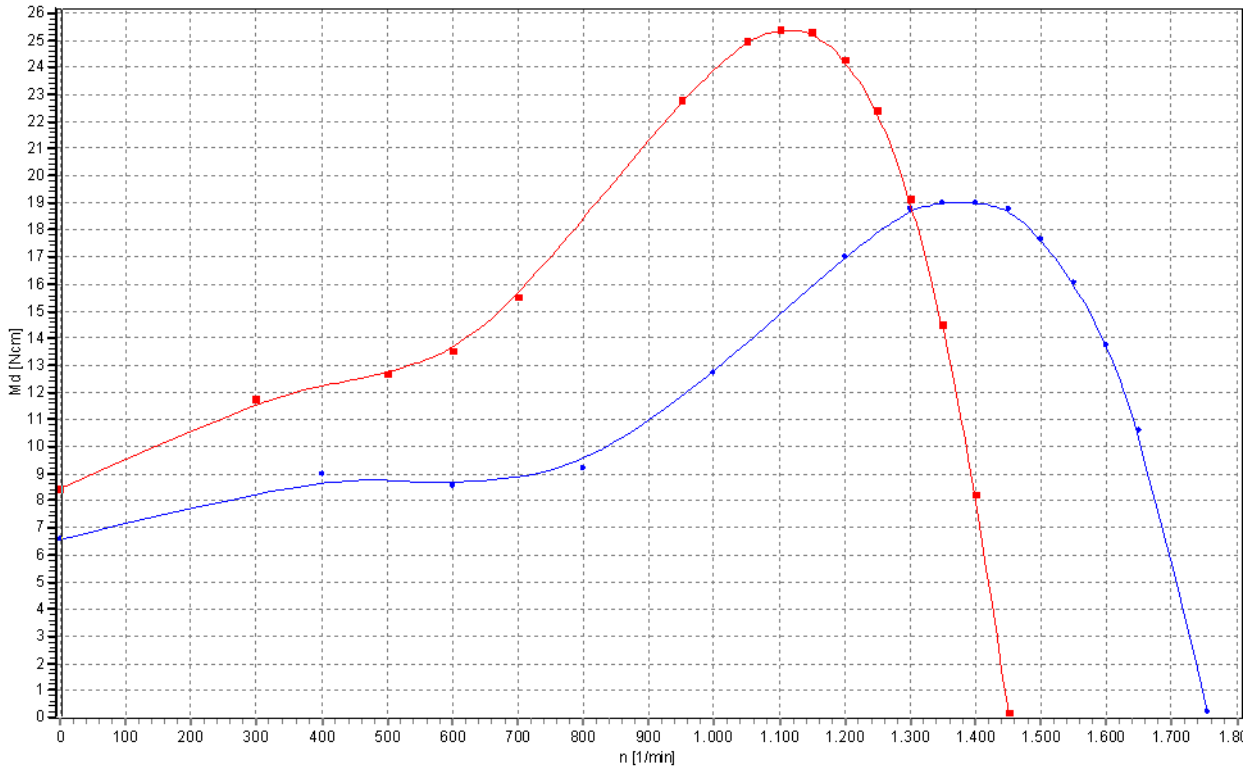
Weight	1.9 kg
Fan size	45 mm
Bearing shield material	Die-cast aluminum
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP42; installation- and position-dependent
Insulation class	"B"
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Shaft 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
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Lateral
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	EAC; VDE ; CCC

Product drawing

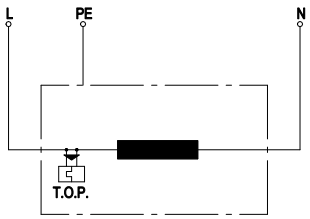


1	Cable PVC 3G 0.5 mm², 3x crimped splices
2	Tightening torque for nuts to fasten fan housing or guard grille: 2.3 Nm
3	Tightening torque for screw to fasten fan impeller: 1.4 Nm
4	Tightening torque for nuts to fasten mounting bracket: 2.3 Nm
5	Direction of rotation counterclockwise, viewed toward shaft end

Curves: Speed (rpm)



Connection diagram



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