

**ebm-papst Ventilator (Shanghai) Co.,Ltd.**

No.418, Hua Jing Road, Wai Gao Qiao Free Trade Zone, Pudong

A4Q254-AR01-06 ebmpapst Datasheet

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## Nominal data

Type	M4Q045-DA01-01		
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 <sup>-1</sup>	1300	1550
Power consumption	W	70	62
Power output	W	18	18
Current draw	A	0.48	0.42
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	40	40
Starting current	A	0.68	0.6

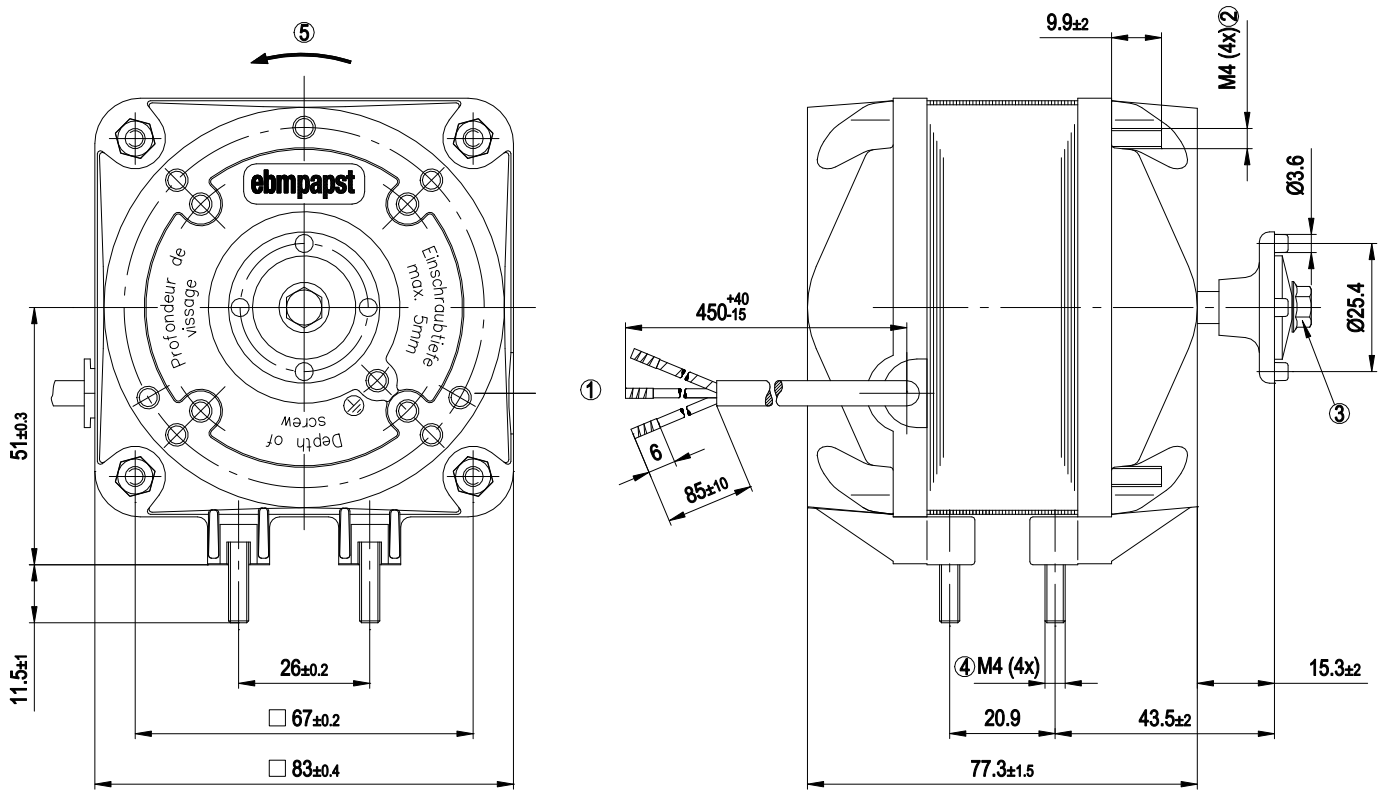
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



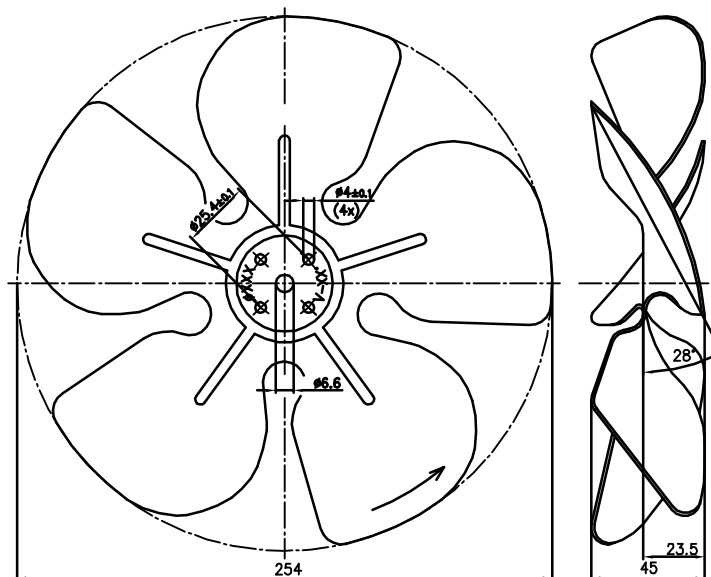
### Technical description

<b>Weight</b>	1.53 kg
<b>Fan size</b>	45 mm
<b>Bearing shield material</b>	Die-cast aluminum
<b>Direction of rotation</b>	Counterclockwise, viewed toward rotor
<b>Degree of protection</b>	IP42; installation- and position-dependent
<b>Insulation class</b>	"B"
<b>Max. permitted ambient temp. for motor (transport/storage)</b>	+ 80 °C
<b>Min. permitted ambient temp. for motor (transport/storage)</b>	- 40 °C
<b>Installation position</b>	Shaft horizontal
<b>Condensation drainage holes</b>	None
<b>Mode</b>	S1
<b>Motor bearing</b>	Calotte bearing
<b>Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)</b>	< 0.75 mA
<b>Motor protection</b>	Thermal overload protector (TOP) internally connected
<b>With cable</b>	Lateral
<b>Protection class</b>	I (with customer connection of protective earth)
<b>Conformity with standards</b>	EN 60335-1; CE
<b>Approval</b>	EAC; VDE ; CCC

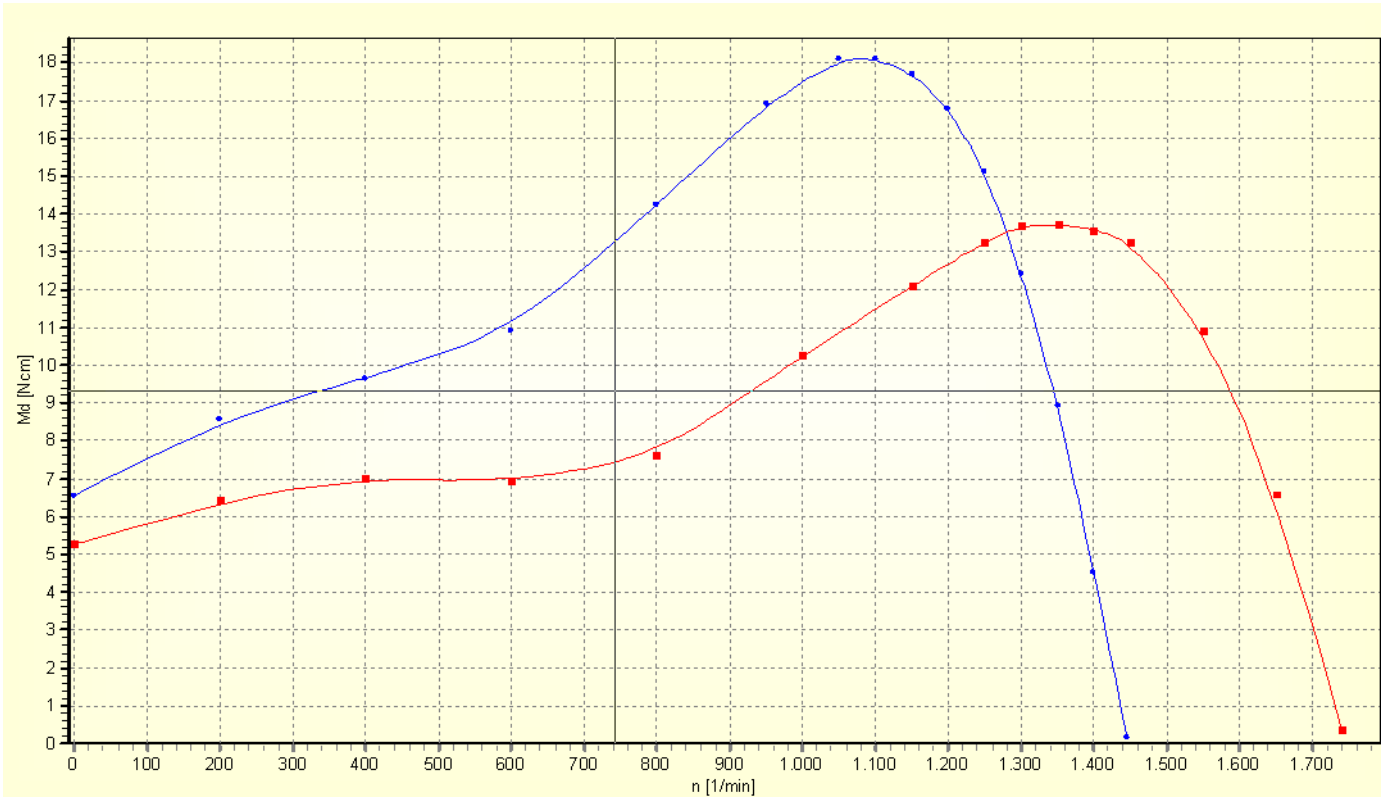
Product drawing



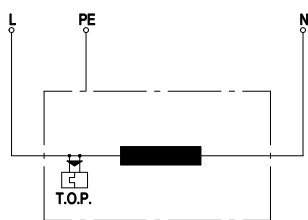
1	Cable PVC 3x 0.5 mm <sup>2</sup> , 3x crimped splices
2	Tightening torque for nuts to fasten fan housing or guard grille: 2.3 Nm
3	Tightening torque for screw to fasten fan impeller: 1.4 Nm
4	Tightening torque for nuts to fasten mounting bracket: 2.3 Nm
5	Direction of rotation counterclockwise, viewed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



## Curves: Speed (rpm)



## Connection diagram



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

