AC motor

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Nominal data

Type	**M4E068-DF63-80**
Motor	**M4E068-DF**

Phase		1~
Nominal voltage	VAC	115
Frequency	Hz	60
Method of obtaining data		ce
Valid for approval/standard		UL
Speed (rpm)	min^{-1}	850
Power consumption	W	125
Power output	W	31
Rated torque	Ncm	35
Mean starting torque	Ncm	27.5
Capacitor	µF	7.5
Capacitor voltage	VDB	370
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	-
Starting current	A	1.2

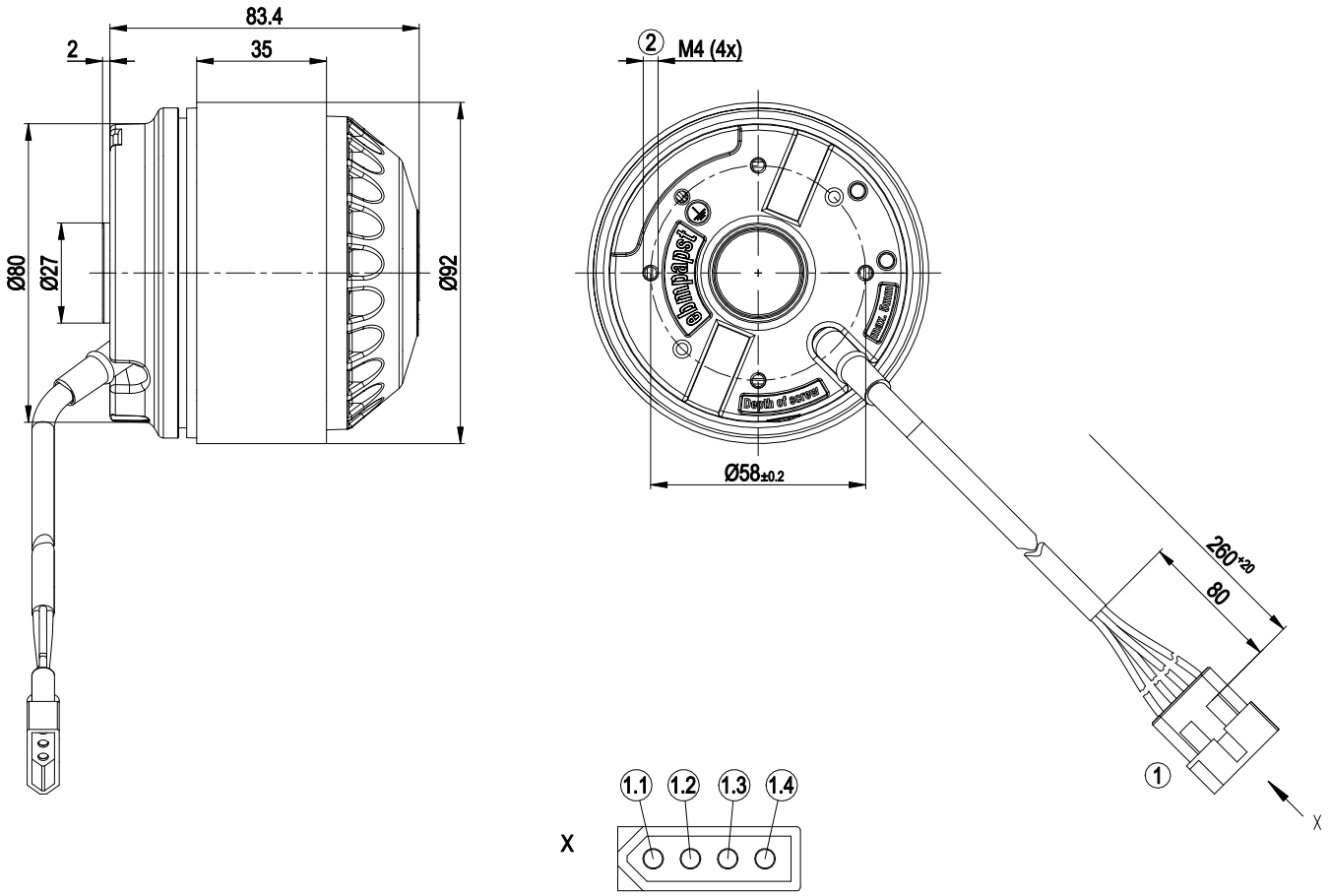
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

Technical description

Weight	2 kg
Fan size	68 mm
Rotor surface	Unpainted
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44
Insulation class	"F"
Moisture (F) / Environmental (H) protection class	H0 - dry environment
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	Ball 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	Variable
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60034-1; EN 60204-1
Approval	CSA C22.2 No. 100; UL 1004-1

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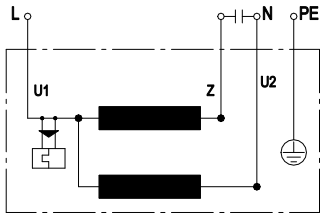
Product drawing



1	Cable FEP AWG18, 1x Molex 4-pole connector housing 03-09-2042, 4x Molex plug pin 02-09-2116
1.1	blue
1.2	green/yellow
1.3	brown
1.4	black
2	Max. clearance for screw 5 mm

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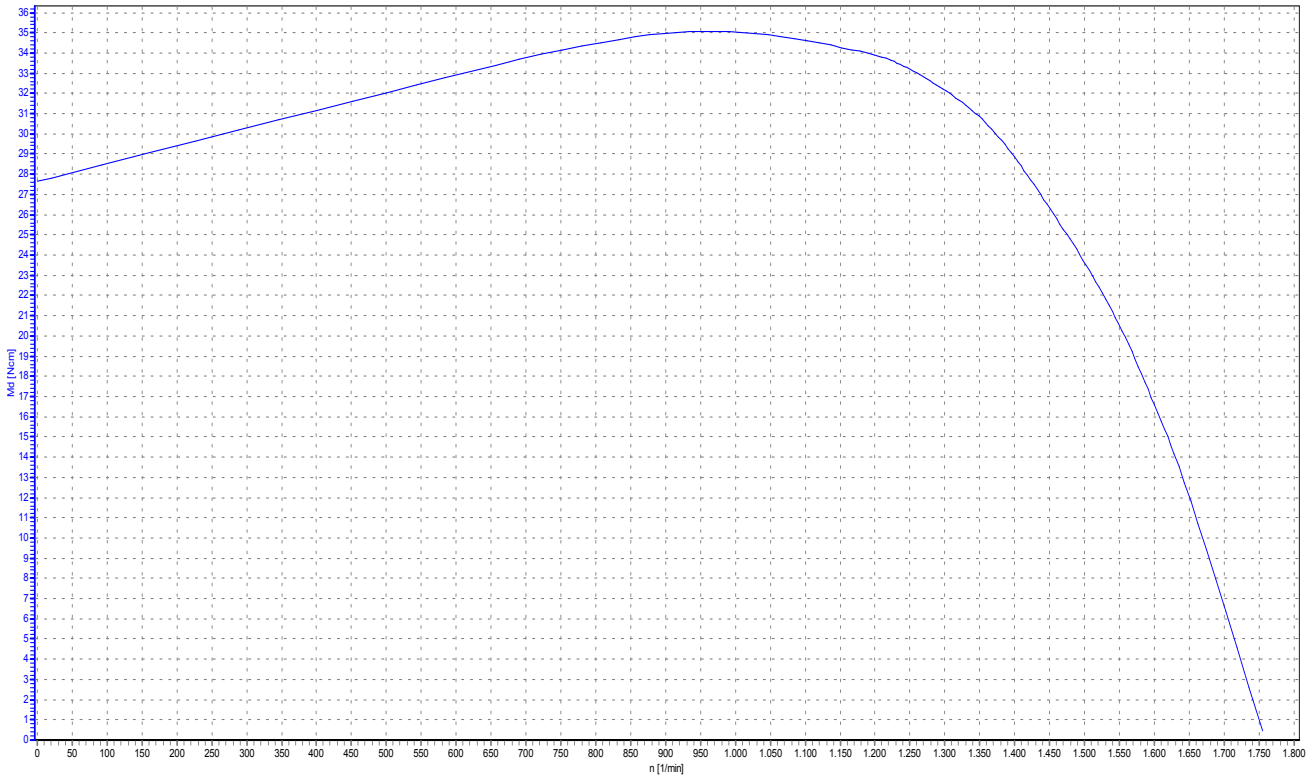
Connection diagram



U1	blue	Z	brown	U2	black
PE	green/yellow				

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Curves: Speed (rpm)



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