AC motor

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Nominal data

Type	**M2D068-BF04-07**
Motor	**M2D068-BF**

Phase		3~	3~
Nominal voltage	VAC	400	400
Connection		Y	Y
Frequency	Hz	50	60
Type of data definition		me	me
Valid for approval / standard		CE	CE
Speed (rpm)	min^{-1}	2400	3000
Power input	W	57	45
Power output	W	28	24
Current draw	A	0.13	0.10
Rated torque	Ncm	11.1	7.7
Medium start-up torque	Ncm	22.5	18
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	0	0
Starting current	A	0.22	0.22

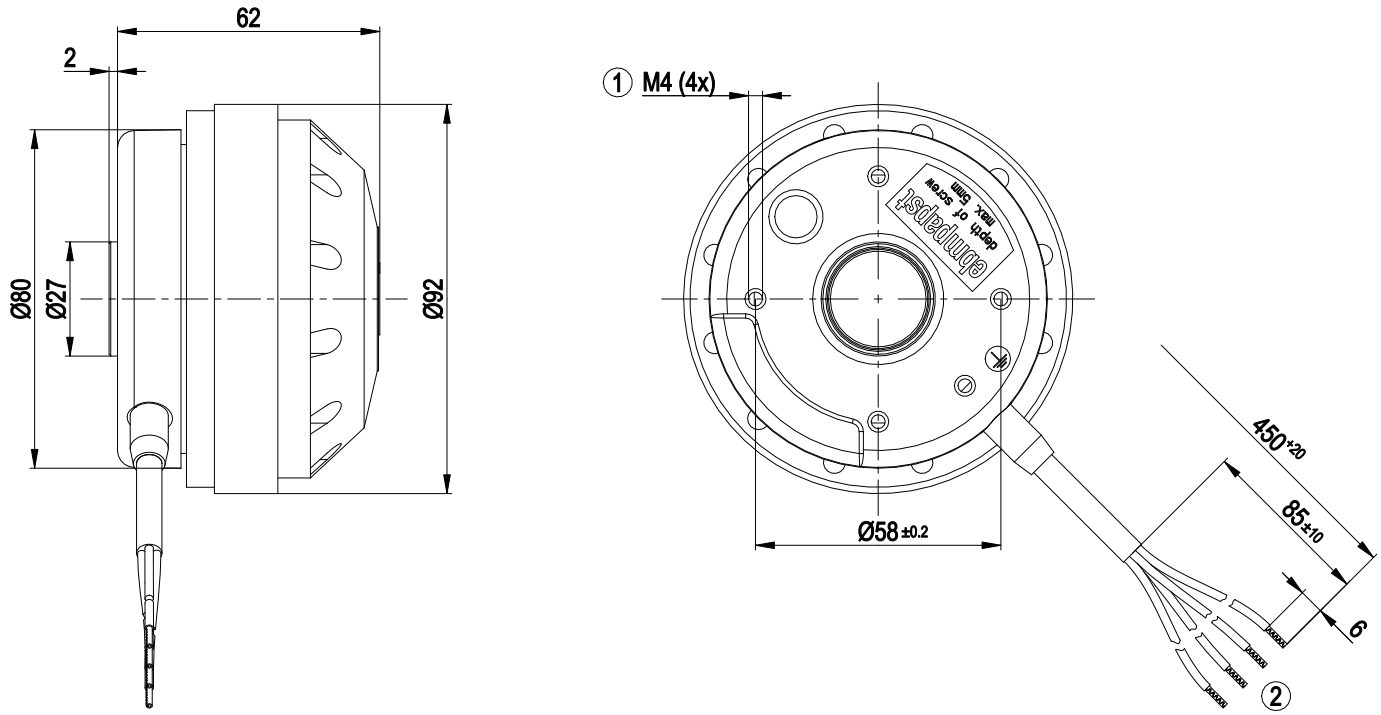
ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

Technical features

Mass	1 kg
Size	68 mm
Surface of rotor	Coated in black
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity (F)/environmental protection class (H)	H0 - dry environment
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1, motor does not have factory-installed overheating protection; CE

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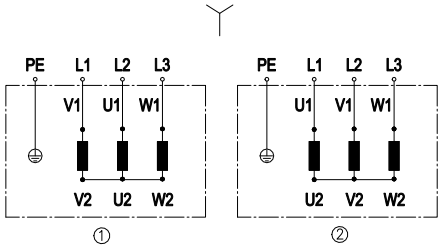
Product drawing



1	Thread reach max. 5 mm
2	Connection line PVC 4G 0.5 mm², 4x lead tips crimped

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Connection screen

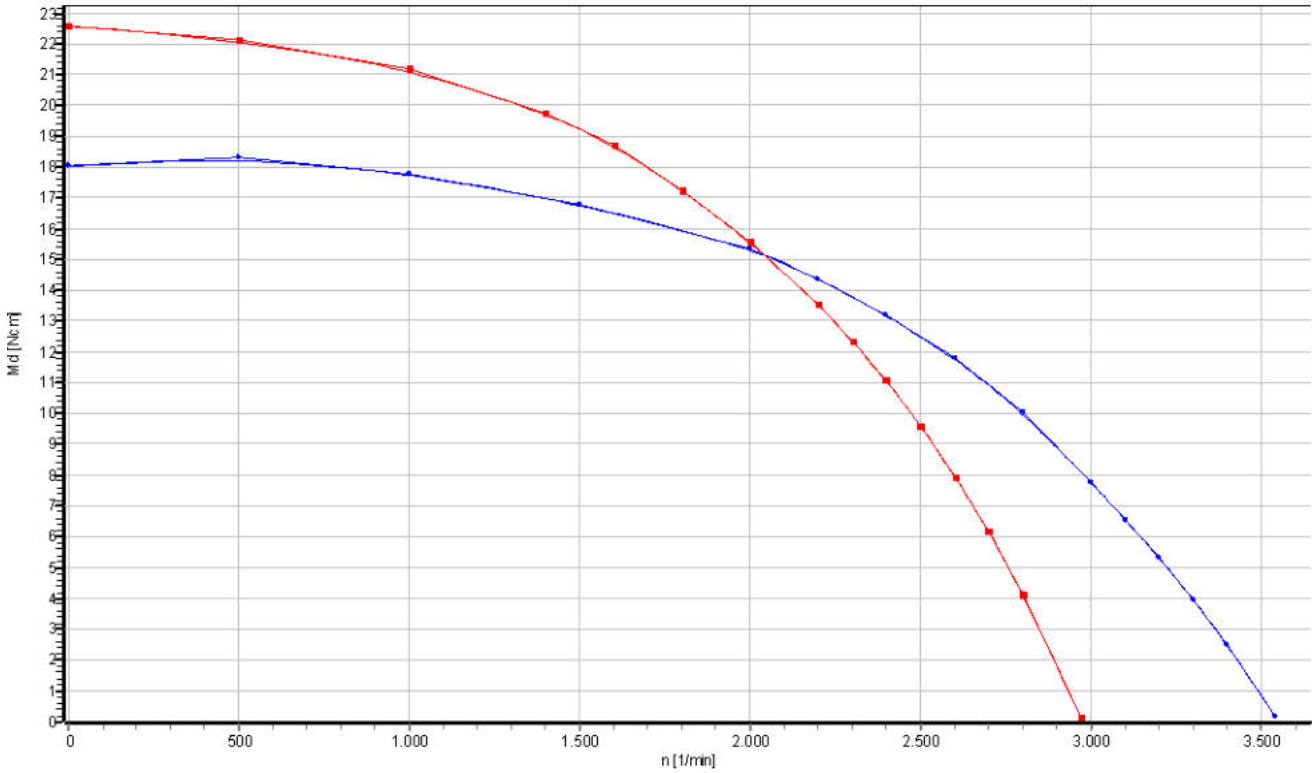


Change direction of rotation by reversing two phases

	Three-phase motor
Y	Star connection
1	Anti-clockwise operation
L1	= V1 = blue
L2	= U1 = black
L3	= W1 = brown
2	Clockwise operation
L1	= U1 = black
L2	= V1 = blue
L3	= W1 = brown
PE	green / yellow

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Charts: Speed (rpm)



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