

RE 50 Ø50 mm, Graphite Brushes, 200 Watt

Part number 370354



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Price scales

Price per unit	1-4	CHF 470.80
	5-19	CHF 408.20
	20-49	CHF 332.60
	from 50	On request

Prices excluding VAT

Start combination

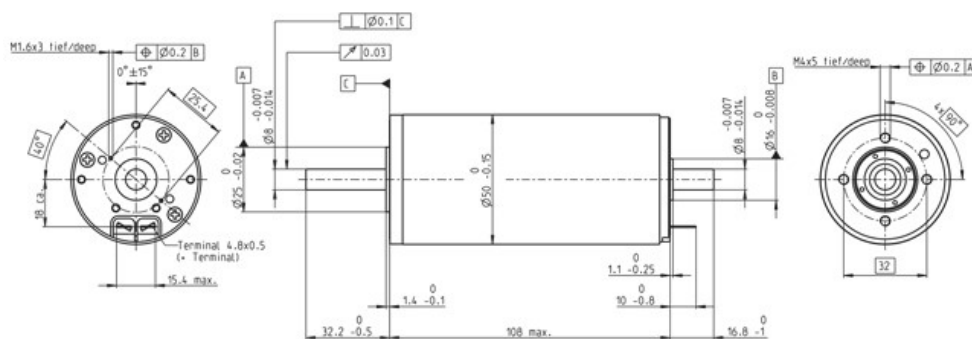
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Print specifications

Description

maxon DC motors are high-quality motors fitted with powerful permanent magnets. The “heart” of the motor is the worldwide patented ironless rotor. For you, this means cutting-edge technology in compact, powerful and low inertia drives.

Specifications**Technical illustrations**

Dimension drawing

Information: Drawings are not to scale.**Values at nominal voltage**

Nominal voltage	24 V
No load speed	5950 rpm
No load current	236 mA
Nominal speed	5680 rpm
Nominal torque (max. continuous torque)	405 mNm
Nominal current (max. continuous current)	10.8 A
Stall torque	8920 mNm
Stall current	232 A
Max. efficiency	94 %

Characteristics

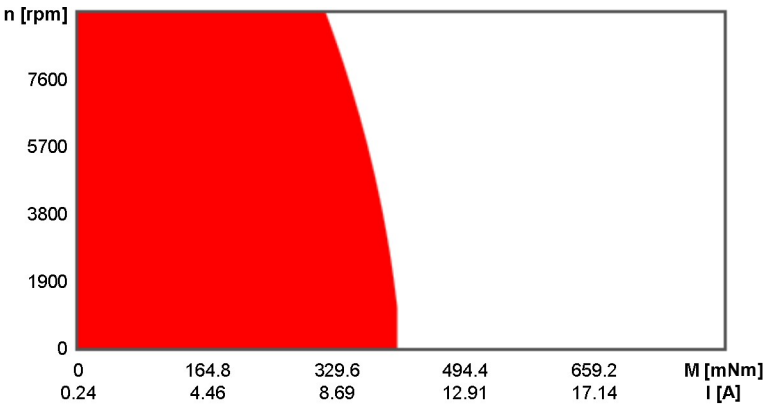
Terminal resistance	0.103 Ω
Terminal inductance	0.072 mH
Torque constant	38.5 mNm/A
Speed constant	248 rpm/V
Speed / torque gradient	0.668 rpm/mNm
Mechanical time constant	3.75 ms
Rotor inertia	536 gcm ²

Thermal data

Thermal resistance housing-ambient	3.81 K/W
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	Thermal resistance winding-housing	1.24 K/W
	Thermal time constant winding	68.5 s
	Thermal time constant motor	1370 s
	Ambient temperature	-30...+100 °C
	Max. winding temperature	+125 °C
Mechanical data		
	Bearing type	ball bearings
	Max. speed	9500 rpm
	Axial play	0 - 0.1 mm
	Radial play	0.03 mm
	Max. axial load (dynamic)	30 N
	Max. force for press fits (static)	150 N
	(static, shaft supported)	6000 N
	Max. radial load	110 N, 15 mm from flange
Other specifications		
	Number of pole pairs	1
	Number of commutator segments	15
	Number of autoclave cycles	0
Product		
	Weight	1100 g

Operating Range



Continuous operation range

Short term operation range

Downloads		
Catalog page	> Catalog pages (deutsch, PDF 107 KB)	Version 2016
	> Catalog page (englisch, PDF 596 KB)	Version 2016
	> カタログのページ (日本語, PDF 330 KB)	Version 2015
CAD-Files (STEP)		
	> CAD drawing (STEP) (ZIP 104 KB)	Version 2012