

# Direct Current Motor RC170



### Associated products :

- > Power supply  
DR-30-12 / 24
- > Controller  
ESCON 50/5  
ESCON 70/10  
ESCON DC 36/2  
FIRST DC 1Q 60/10  
NANO DC 1Q 30/3

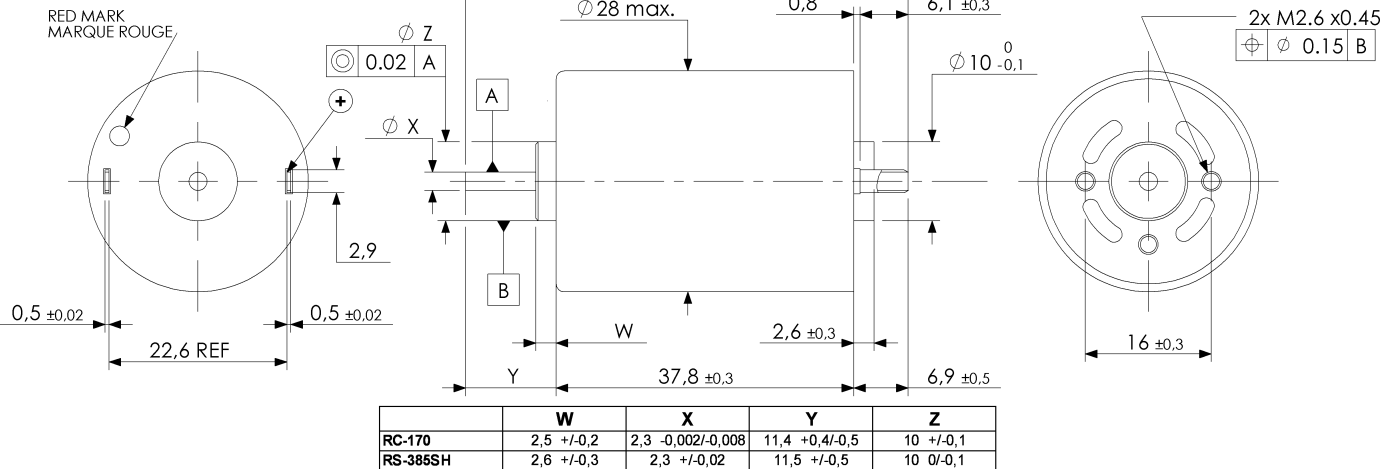
mdp

3 W - 13 W

Power supply voltage (Ua)	V	12
Speed at current In	tr/mn	2525
Torque at current In	mNm	12.5
Max. permanent current (In)	mA	680
Ua no-load speed +/- 10%	tr/mn	5500
No-load current +/- 50%	mA	100
Ua stall torque	mNm	23.1
Ua stall current	mA	1350
Torque constant	mNm/A	18.4
Speed constant	tr/mn/V	520
Speed/torque gradient	tr/mn/mN	238
Limit speed	tr/mn	10000
Max. Ua operating power output	W	3.3
Maximum efficiency	%	48
Inertia	gcm <sup>2</sup>	6.7
Resistance across terminals	Ohm	8.89

Commutation	Graphite
Number of commutator segments	5
Bearings	Self-lubricants
Magnets	Ferrite
Maximum axial load (dynamic)	2 N
Maximum axial play	0.8 mm
Maximum radial load	2 N
at a distance from the face of:	11 mm
Radial play	0.06 mm
Min ambient operating temperature	-20 °C
Max ambient operating temperature	80 °C
Max rotor temperature	150 °C
Weight	75 g

## RS-385SH RC170



Edition: Juli 2022 / subject to modification

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