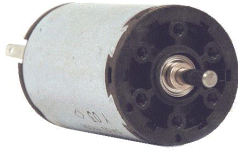


# Direct Current Motor AMAX26G



**The advantages :**  
 Servo motor,  
 Low power consumption, low noise,  
 Reduced dimensions.

**Associated products :**

- > Encoder  
 HEDL 5540  
 HEDS 5540
- > Power supply  
 DR-120-24  
 DR-60-24  
 DRP-240-24  
 DRP-480S-24  
 RS-100-24  
 RS-150-24  
 RS-75-24  
 SP-320-24

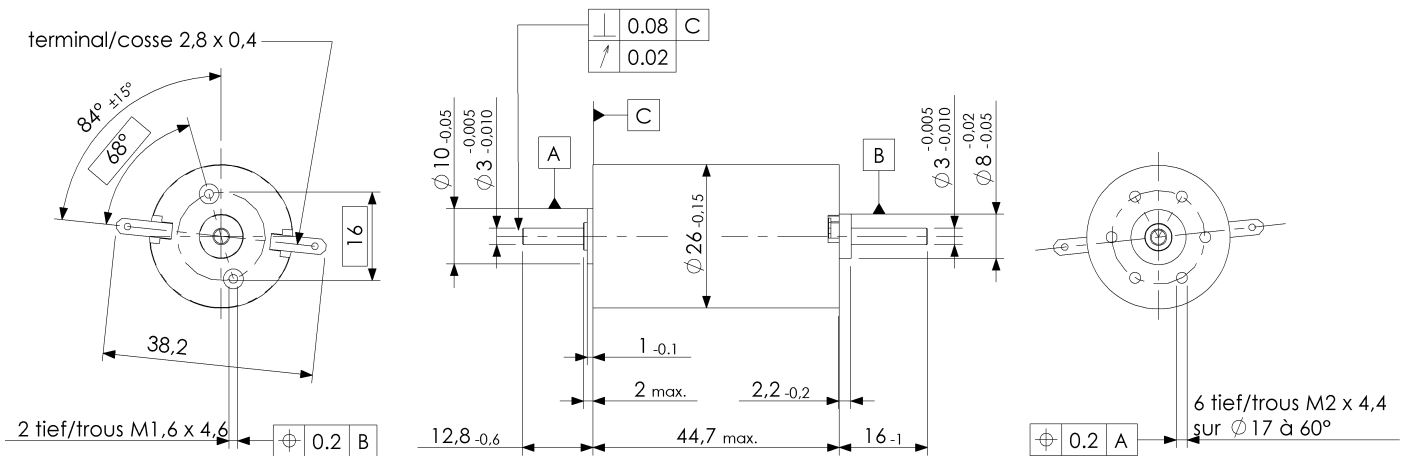
**maxon motor**

**7 W - 16 W**

Power supply voltage (Ua)	V	12	24
Speed at current In	tr/mn	5533	4928
Torque at current In	mNm	14.3	14
Max. permanent current (In)	mA	1070	493
Ua no-load speed +/- 10%	tr/mn	8350	7910
No-load current +/- 50%	mA	45.6	21.2
Ua stall torque	mNm	43.8	38.1
Ua stall current	mA	3290	1340
Torque constant	mNm/A	13.3	28.3
Speed constant	tr/mn/V	718	337
Speed/torque gradient	tr/mn/mN	197	213
Limit speed	tr/mn	10400	10400
Max. Ua operating power output	W	9.6	7.9
Maximum efficiency	%	75	75.7
Electromechanical time constant	ms	26	23.6
Inertia	gcm <sup>2</sup>	12.6	10.6
Resistance across terminals	Ohm	3.65	17.9
Inductance	mH	0.37	1.69
Ambient/Housing thermal	K/W	13.2	13.2
Rotor/Housing thermal resistance	K/W	3.2	3.2

Commutation	Graphite
Number of commutator segments	13
Bearings	ball bearings
Magnets	AlNiCo
Maximum axial load (dynamic)	5 N
Minimum axial play	0.1 mm
Maximum axial play	0.2 mm
Maximum radial load	20.5 N
at a distance from the face of:	5 mm
Radial play	0.025 mm
Maximum slip force (static)	75 N
If fixed rear axis	1200 N
Min ambient operating temperature	-30 °C
Max ambient operating temperature	85 °C
Max rotor temperature	125 °C
Weight	100 g

Edition: Juli 2022 / subject to modification



Version of 06/07/2022