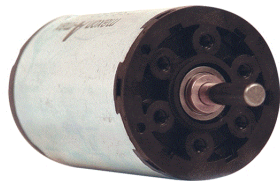


## Direct Current Motor AMAX32GHP



**The advantages :**  
 Servo motor, Ideal for  
 start/stop applications and sense of rotation  
 reversal, Low power consumption  
 Exceptional power/dimensions ratio

### Associated products :

**> Encoder**

CM16  
 HEDL 5540  
 HEDS 5540

**> Power supply**

DR-120-24  
 DR-30-12 / 24  
 DR-60-24  
 DRP-240-24  
 DRP-480S-24  
 RS-100-24  
 RS-150-24  
 RS-75-24  
 SP-320-24

**> Controller**

ESCON 50/5  
 ESCON 70/10  
 ESCON DC 36/2  
 FIRST DC 1Q 60/10  
 NANO DC 1Q 30/3

### maxon motor

14 W - 30 W

Power supply voltage (Ua)	V	24
Speed at current In	tr/mn	5044
Torque at current In	mNm	44.4
Max. permanent current (In)	mA	1300
Ua no-load speed +/- 10%	tr/mn	6460
No-load current +/- 50%	mA	42.7
Ua stall torque	mNm	205
Ua stall current	mA	5810
Torque constant	mNm/A	35.2
Speed constant	tr/mn/V	271
Speed/torque gradient	tr/mn/mN	31.9
Limit speed	tr/mn	6000
Max. Ua operating power output	W	34.7
Maximum efficiency	%	83
Electromechanical time constant	ms	15
Inertia	gcm <sup>2</sup>	45
Resistance across terminals	Ohm	4.13
Inductance	mH	0.555
Ambient/Housing thermal	K/W	7.5
Rotor/Housing thermal resistance	K/W	2.1

Commutation	Graphite
Number of commutator segments	13
Bearings	Roulement à billes
Magnets	AINiCo
Maximum axial load (dynamic)	7.6 N
Minimum axial play	0.12 mm
Maximum axial play	0.22 mm
Maximum radial load	32 N
at a distance from the face of:	5 mm
Radial play	0.025 mm
Maximum slip force (static)	110 N
If fixed rear axis	2000 N
Min ambient operating temperature	-20 °C
Max ambient operating temperature	85 °C
Max rotor temperature	125 °C
Weight	240 g

