

DynaMax 25 Coreless DC motor

28 Watt

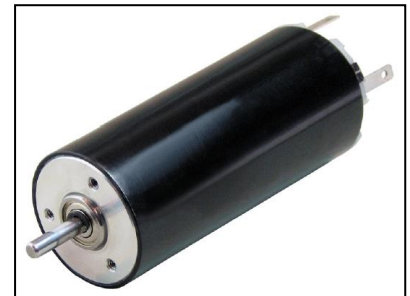


Features:

- Long life carbon brushes
- High start. torque (400 mNm)
- Zero cogging torque
- Smooth speed control
- Low weight

Options:

- Customized shaft/ mounting configurations
- Built-in spark suppression electronics
- Custom leads/connectors,
- Optical encoder OE22 (2200 ppm)

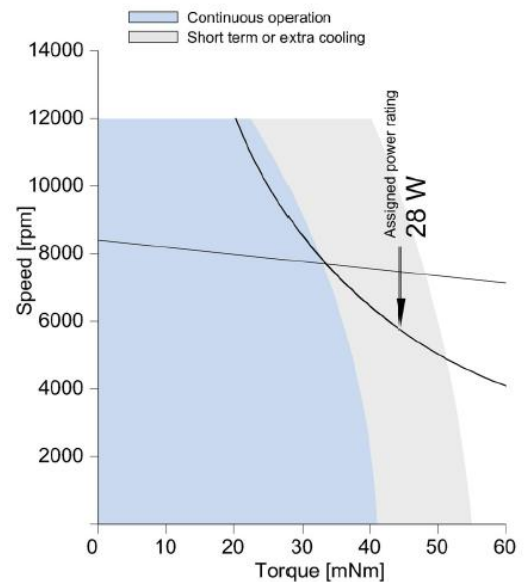


Motor data

Model	4322-016+	80003	80006
Nominal Voltage	V	12	24
Nominal Output Power	W	28	28
Nominal Torque	mNm (oz-in)	35 (4.95)	35 (4.95)
Starting Torque	mNm (oz-in)	400 (56.6)	400 (56.6)
Nominal Speed	RPM	7700	7700
No-Load Speed	RPM	8400	8400
BEMF at 3000 Rpm	V	4.3	8.5
Nominal Current	A	2.8	1.4
Starting Current	A	30	15
No-Load Current	mA	180	90
Max. efficiency	%	83	84
Torque Constant	mNm/A (oz-in-s ²)	13.5 (1.91)	27 (3.82)
Terminal Resistance	Ohm	0.4	1.6
Rotor Inductance	mH	0.02	0.07
Rotor Inertia	kgm ² (oz-in-s ²)	1.7 E-6 (2.4 E-4)	
Mechanical Time Constant	ms	4	
Maximum rotor coil temperature	°C	105	
Thermal Resist. Winding-Housing	°C/W	2.5	
Thermal Resist. Housing-Ambient	°C/W	13.5	
Weight	g (oz)	120 (4.23)	
Protection	-	IP30	
Gearbox (option)	P 32	-	
Encoder (option)	OE 22	-	

Notes: Values valid for nominal voltage and T_{amb} = 22 °C

Performance curve



Dimensional drawing

