

V0400-211-C-000

NEMA 34 Servo Motor, 400W



Product Features

- Brushless DC servo motor
- Standard NEMA frame size
- Bearing-mount encoder
- High resolution, incremental encoder (2048 lines, 8192 counts)



Description

Brushless DC servo motor with high resolution encoder feedback.

Specifications

Part Number	V0400-211-C-000
Frame Size	NEMA 34
Continuous Torque	6.7 in-lb
Peak Torque	20 in-lb
Rated Power	400 watts
Rated Voltage	150 volts
Rated Speed	5000 rpm
Peak Speed	8000 rpm
Rated Current	2.8 A rms
Peak Current	8.4 A rms
Torque Constant	2.5 in-lb/A
Voltage Constant	29 V/krpm
Armature Resistance	1.4 ohms
Armature Inductance	18.3 mH
Motor Length	3.89 inch
Rotor Inertia	1.44E-02 oz-in-sec ²
Weight	3.7 lbs
Integral Holding Brake	No
Storage Temperature	-10 to 85 °C
Operating Temperature	0 to 40 °C
Insulation Class	Class B (130 °C)
Maximum Radial Load	17 lbs
Maximum Thrust Load	8.8 lbs
Shaft Run Out	NA
Radial Play	NA
End Play	0.004 inch max w/ 8.8 lb load
Perpendicularity	NA
Concentricity	NA