

## V0400-212-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

<b>Part Number</b>	V0400-212-C-000
<b>Frame Size</b>	NEMA 34
<b>Continuous Torque</b>	6.7 in-lb
<b>Peak Torque</b>	20 in-lb
<b>Rated Power</b>	400 watts
<b>Rated Voltage</b>	300 volts
<b>Rated Speed</b>	5000 rpm
<b>Peak Speed</b>	8000 rpm
<b>Rated Current</b>	1.8 A rms
<b>Peak Current</b>	5.4 A rms
<b>Torque Constant</b>	4.04 in-lb/A
<b>Voltage Constant</b>	45.6 V/krpm
<b>Armature Resistance</b>	3.4 ohms
<b>Armature Inductance</b>	44.3 mH
<b>Motor Length</b>	3.89 inch
<b>Rotor Inertia</b>	1.44E-02 oz-in-sec <sup>2</sup>
<b>Weight</b>	3.7 lbs
<b>Integral Holding Brake</b>	No
<b>Storage Temperature</b>	-10 to 85 °C
<b>Operating Temperature</b>	0 to 40 °C
<b>Insulation Class</b>	Class B (130 °C)
<b>Maximum Radial Load</b>	17 lbs
<b>Maximum Thrust Load</b>	8.8 lbs
<b>Shaft Run Out</b>	NA
<b>Radial Play</b>	NA
<b>End Play</b>	0.004 inch max w/ 8.8 lb load
<b>Perpendicularity</b>	NA
<b>Concentricity</b>	NA