

## V0400-212-C-000

NEMA 34 Servo Motor, 400W

1pc. - 233.00  
50pc. - 233.00



### **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>End Play:</b>               | 0.004 inch max w/ 8.8 lb load   |

## Downloads

|                             |   |
|-----------------------------|---|
| <b>Datasheet:</b>           | <a href="http://s3.amazonaws.com/applied-motion-pdf/V0400-212-C-000.pdf">http://s3.amazonaws.com/applied-motion-pdf/V0400-212-C-000.pdf</a> |
| <b>Family Datasheet:</b>    |  <a href="#">Servo-Products-Datasheet-925-0008.pdf</a>     |
| <b>2D Drawing:</b>          |  <a href="#">V0400-212-C-000_RevC.pdf</a>                  |
|                             |  <a href="#">V0400_FA_wENC_3D.pdf</a>                      |
| <b>3D Drawing:</b>          |  <a href="#">V0400-N1X-C-000_wFA_ENC.igs</a>               |
| <b>Speed-Torque Curves:</b> |  <a href="#">SVAC3_speed-torque.pdf</a>                    |

## Pricing

| V0400-212-C-000<br>Part No. V0400-212-C-000 |   |
|---|---|
| <b>1pc.</b>                                 | \$233.00  |
| <b>25pc.</b>                                |   |
| <b>50pc.</b>                                |   |
| <b>100pc.</b>                               | <a href="#">Request a Quote</a> for 100+ piece pricing. |