

### MOTOR OVERVIEW

- 2-phase Hybrid Stepper Motor
- NEMA 11| 28.2 mm frame size
- 1.8 degree step angle
- 51.1 mm body length
- 0.120 Nm holding torque

### FEATURES

- Low outgassing, rated for vacuum up to 10E-8 Torr
- Low and high temperature operation of -40C to +120C (temperature operation of -80C to +200C achievable through design, material and process enhancements)
- Shock and vibration proof design
- EMI shielding
- High efficiency/low power draw

### OPTIONS

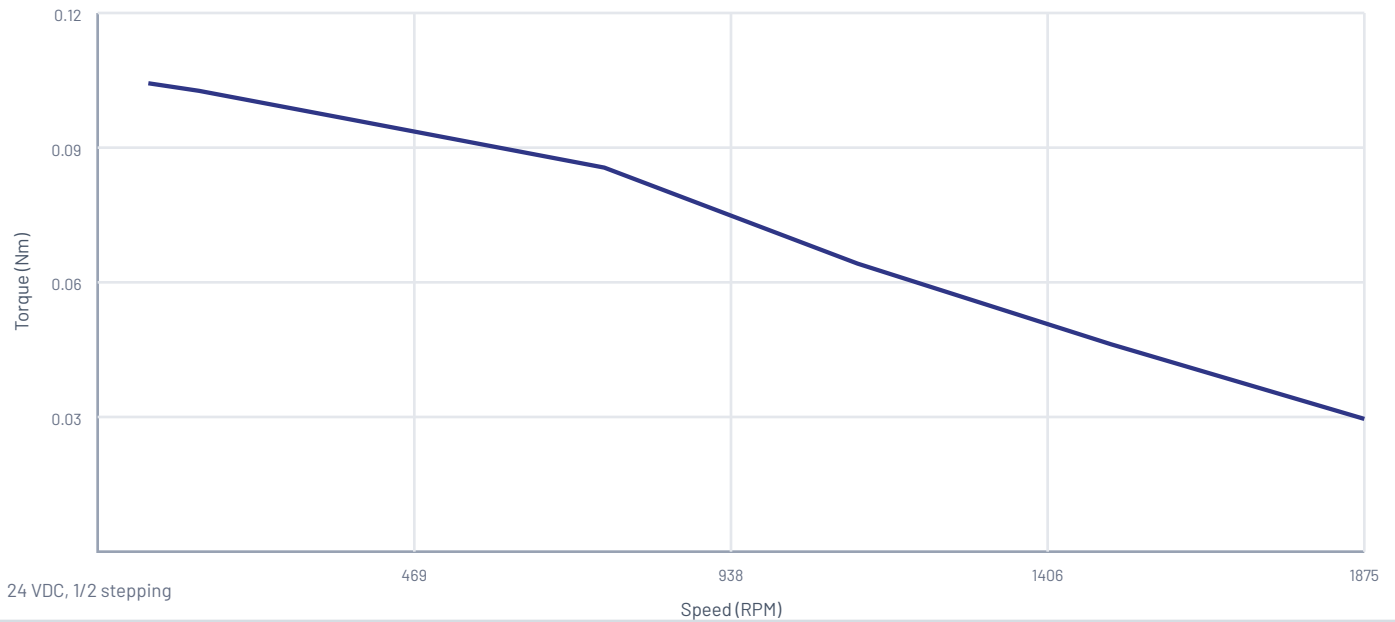
- Through-hole shaft
- Dual shafts
- Customized leads and connectors
- Bearings and greases
- Redundant winding

Many more customizations are available upon request.

### MOTOR SPECIFICATIONS

|               |                         |                |          |
|---------------|-------------------------|----------------|----------|
| Part number   | V211-20-A01             | Frame size     | NEMA 11  |
| Step angle    | 1.8 degrees             | Connection     | Bipolar  |
| Body length   | 51.1 mm                 | Current        | 0.67 A   |
| Resistance    | 8.6 Ohm                 | Holding torque | 0.120 Nm |
| Rotor inertia | 18.30 g-cm <sup>2</sup> | Weight         | 0.200 kg |
| Leads         | 4 Wires                 | Voltage        | 24 VDC   |

## PERFORMANCE CURVE



## MOTOR DIMENSIONS

