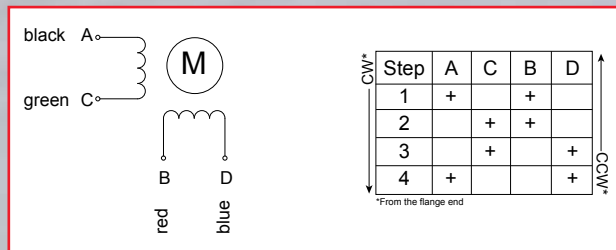


NEMA Size 8 hybrid stepper motors produce high torque in a small, RoHS compliant package. They are ideal for motion control applications where the benefits of smaller size with high torque are essential.

The compact and lightweight 1.8° NEMA 8 bipolar stepper motors provide flexibility in applications with limited space. The NEMA Size 8 stepper motors measure only 20mm (0.8in) square by as little as 30mm (1.18in) long.

Wiring Diagram



Specifications

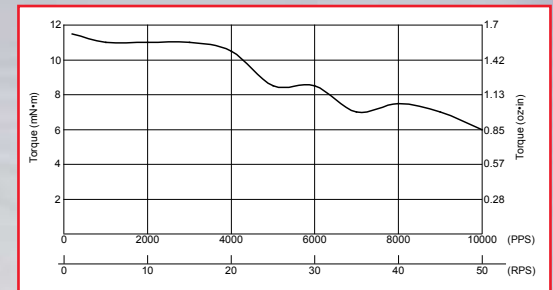
Specification	Unit	PR20H-30-0604JA	PR20H-42-0804JA
Type Of Winding		Bipolar	Bipolar
Step Angle	°	1.8	1.8
Steps Per Revolution		200	200
Rated Voltage	V	3.9	4.32
Rated Current	A/Ø	0.60	0.80
Resistance	ohm/Ø	6.5	5.4
Inductance	mH/Ø	1.7	1.5
Holding Torque	mN·m	18	30
Rotor Inertia	kg·m ²	2.0 x 10 ⁻⁷	3.6 x 10 ⁻⁷
Motor Length	mm	30	42
Weight	g	60	80
Operating Temp. Range	°C	-20 to +50	-20 to +50
Temperature Rise	°C	80	80
Insulation Class		B	B

* - All hybrid motor specifications are based on full-step constant current operation

Model No.	Max. Length
PR20H-30	30mm
PR20H-42	42mm

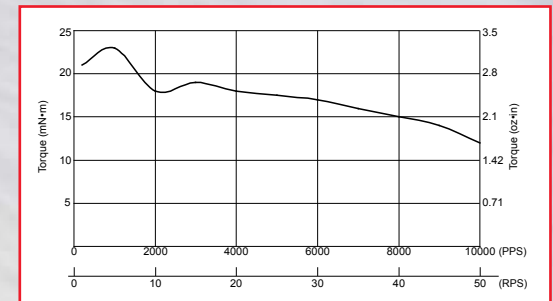
Torque Curves

PR20H-30 w/Bipolar Constant Current



Excitation Mode: Full-step
Voltage: 24VDC
Current: 0.6A

PR20H-42 w/Bipolar Constant Current



Excitation Mode: Full-step
Voltage: 24VDC
Current: 0.78A

