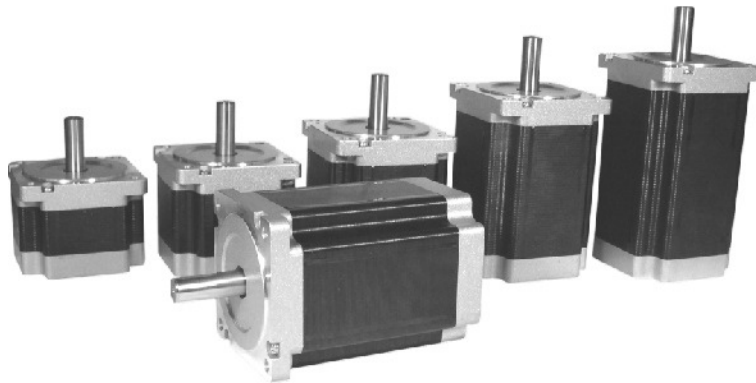


# Nema 34

2 phase 1.8° step angle  
 hybrid stepping motor

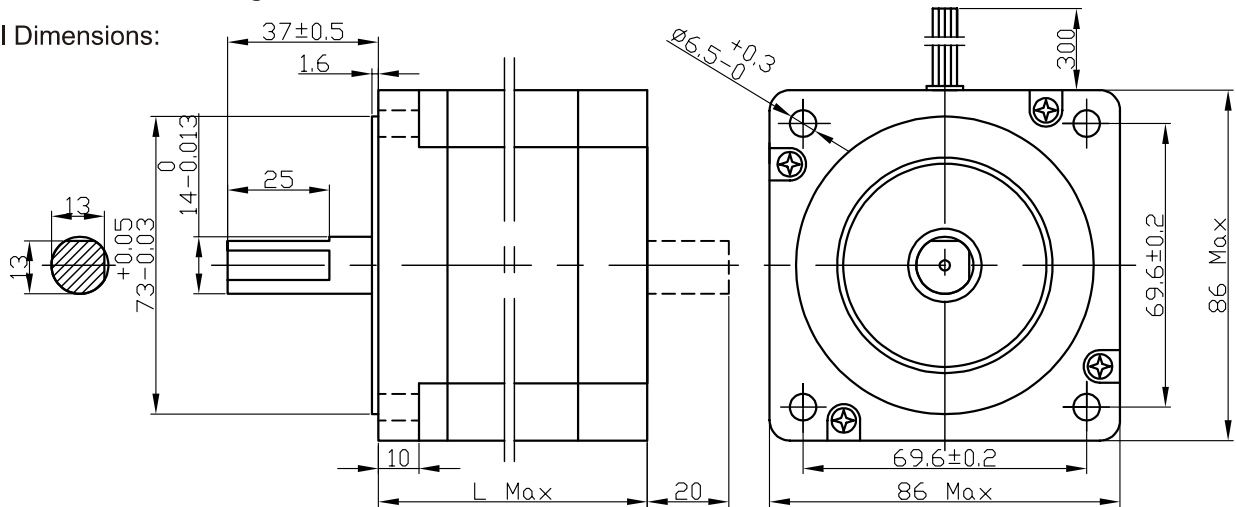


Specifications:

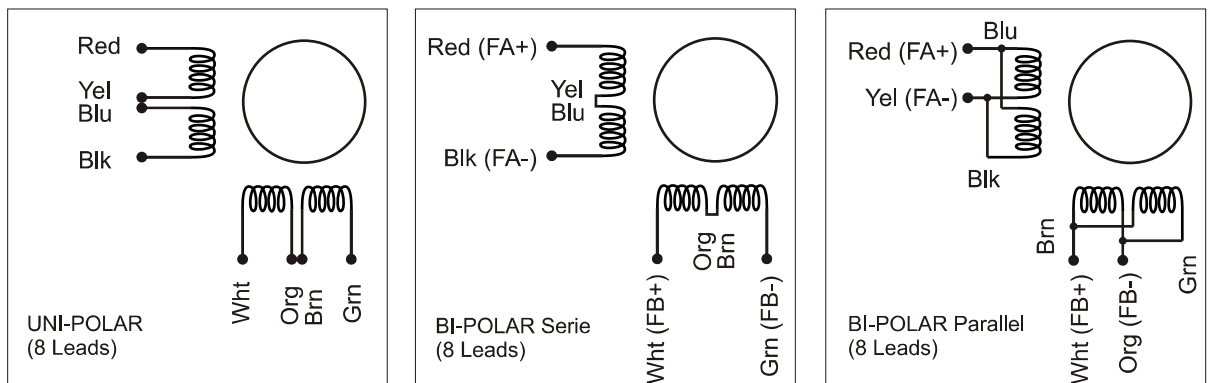
Model	Holding Torque (Nm)	Phase current (A)	Rotor Inertia (g/cm <sup>2</sup> )	Motor Length L max (mm)	Detent Torque (Nm)	Phase Resistance (ohm)	Phase Inductance (mH)	Lead Wire (No)	Motor Weight (Kg)	Note
<b>M1343011</b>	3.1	5.6	850	66	0.055	0.26	1.5	8	1.9	Bip. parallel
<b>M1343020</b>	4.4	5.6	1050	78	0.065	0.35	2.8	8	2.3	Bip. parallel
<b>M1343021</b>	4.4	7.1	1050	78	0.065	0.21	1.6	8	2.3	Bip. Parallel
<b>M1343031</b>	6.8	7.1	1550	98	0.095	0.26	2.2	8	3	Bip. Parallel
<b>M1343041</b>	8.1	7.1	1800	114	0.13	0.38	3.2	8	3.8	Bip. parallel
<b>M1343050</b>	9.2	7.1	2200	126	0.19	0.43	3.4	8	4.1	Bip. parallel
<b>M1343051</b>	9.2	10	2200	126	0.19	0.18	1.6	8	4.1	Bip. Parallel
<b>M1343060</b>	12.1	10	2500	150	0.25	0.21	2.2	8	5	Bip. Parallel
<b>M1343061</b>	12.1	12	2500	150	0.25	0.17	1.8	8	5	Bip. parallel

Double shaft and custom windings available

Mechanical Dimensions:  
 Unit: mm



Wiring Diagram:



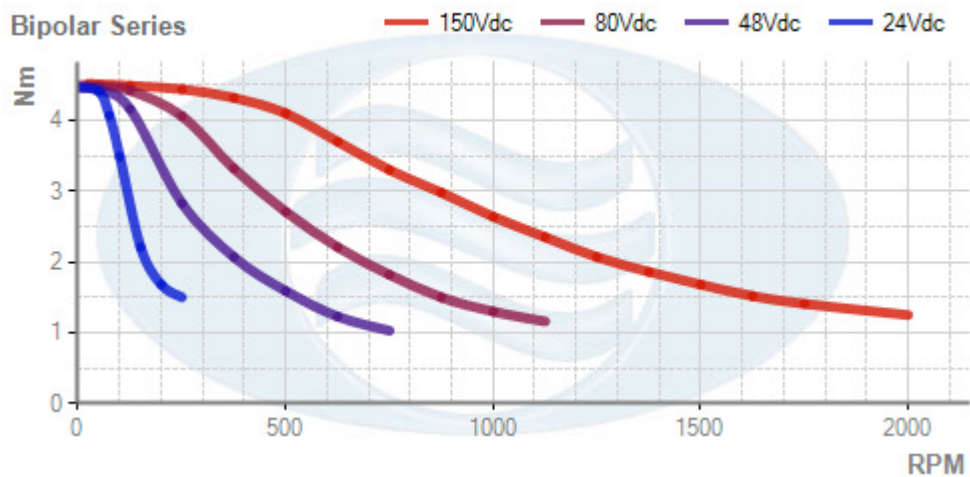
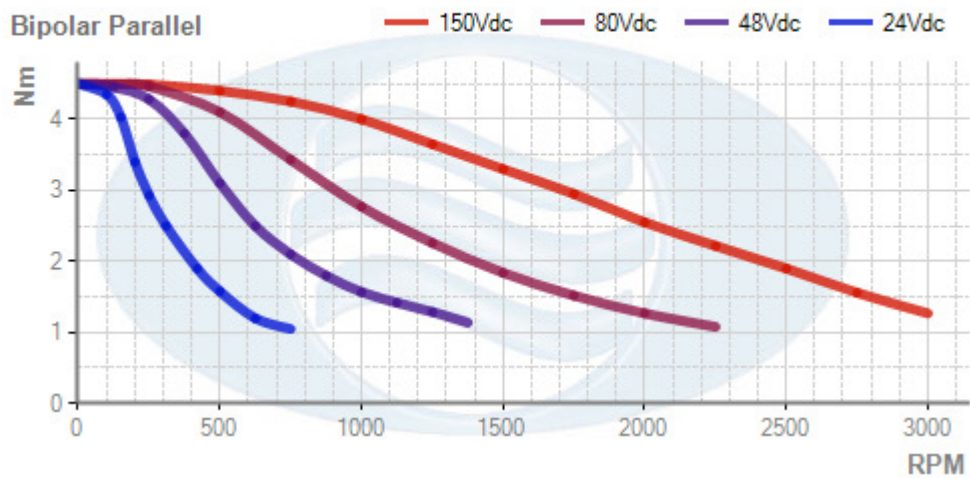
# M1343020

NEMA34 Stepper Motor 4.4Nm (623oz-in) 5.6Arms L=78mm (3.07in)

## Technical Data

Bipolar Holding Torque	4.4Nm (623oz-in)
Bipolar Phase Current	5.6Arms parallel connection 2.8Arms series connection
Rotor Inertia	1050g-cm <sup>2</sup> (5.73oz-in <sup>2</sup> )
Length	78mm (3.07inches)
Weight	2300g (81oz)
Flange	NEMA 34 86x86mm (3.39x3.39inches)
Leads Number	8
Full step angle	1.8°

## Torque curve



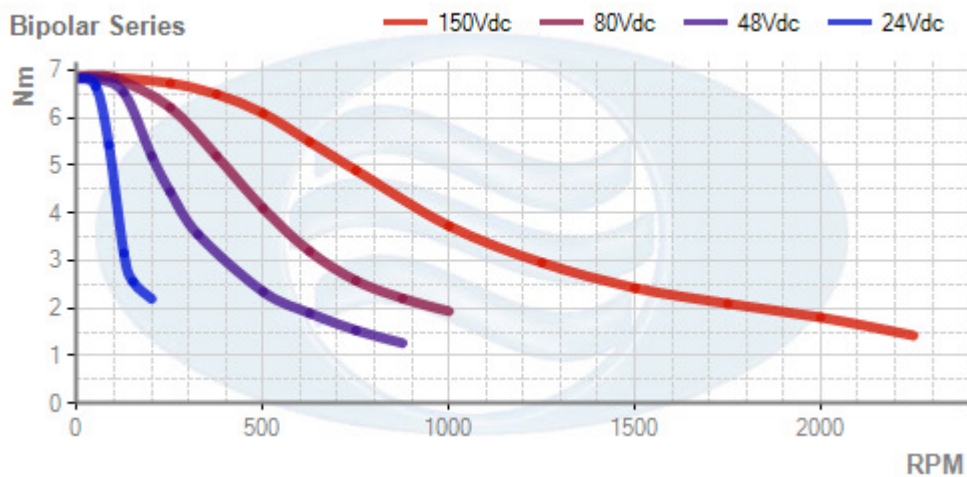
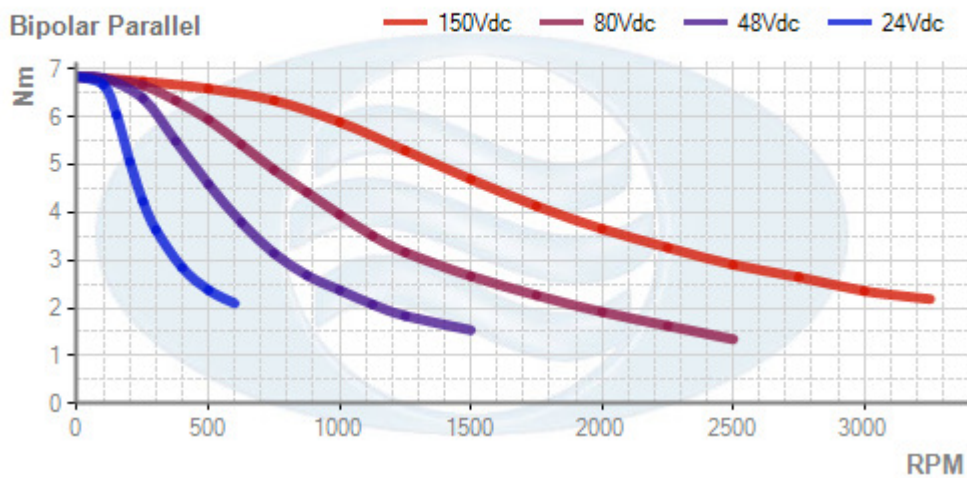
# M1343031

NEMA34 Stepper Motor 6.8Nm (963oz-in) 7.1Arms L=98mm (3.86in)

## Technical Data

Bipolar Holding Torque	6.8Nm (963oz-in)
Bipolar Phase Current	7.1Arms parallel connection 3.5Arms series connection
Rotor Inertia	1550g-cm <sup>2</sup> (8.46oz-in <sup>2</sup> )
Length	98mm (3.86inches)
Weight	3000g (106oz)
Flange	NEMA 34 86x86mm (3.39x3.39inches)
Leads Number	8
Full step angle	1.8°

## Torque curve



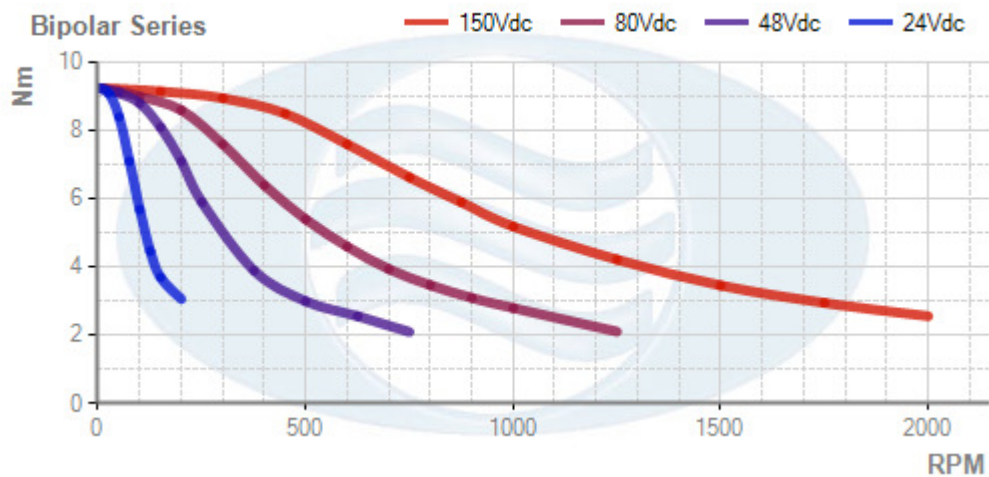
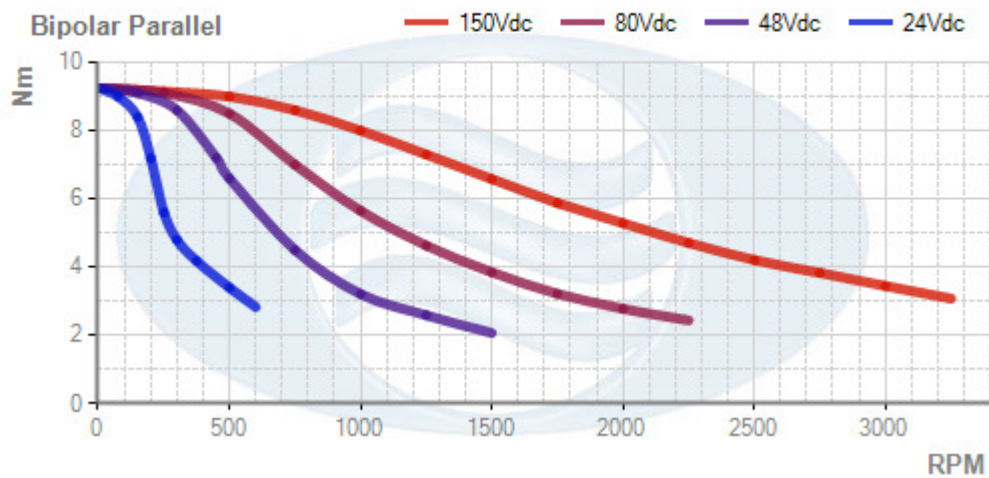
# M1343051

NEMA34 Stepper Motor 9.2Nm (1303oz-in) 10Arms L=126mm (4.96in)

## Technical Data

Bipolar Holding Torque	9.2Nm (1303oz-in)
Bipolar Phase Current	10Arms parallel connection 5Arms series connection
Rotor Inertia	2200g-cm <sup>2</sup> (12.01oz-in <sup>2</sup> )
Length	126mm (4.96inches)
Weight	4100g (145oz)
Flange	NEMA 34 86x86mm (3.39x3.39inches)
Leads Number	8
Full step angle	1.8°

## Torque curve





# M1343060

NEMA34 Stepper Motor 12.1Nm (1714oz-in) 10Arms L=150mm (5.91in)

## Technical Data

Bipolar Holding Torque	12.1Nm (1714oz-in)
Bipolar Phase Current	10Arms parallel connection 5Arms series connection
Rotor Inertia	2500g-cm <sup>2</sup> (13.65oz-in <sup>2</sup> )
Length	150mm (5.91inches)
Weight	5000g (176oz)
Flange	NEMA 34 86x86mm (3.39x3.39inches)
Leads Number	8
Full step angle	1.8°

## Torque curve

