1.8 deg

200

±3%

CE, cUR, UR

-20 to 40 °C

65 lb (29.5 kg)

110 lb (49.9 kg)

305 lb (138.3 kg)

780252-01

10 x 10 x 1/4 in. aluminum plate

40 °C

2

Yes

NEV	<b>NA 34</b>	1 Mo	tor

Steps per revolution

**Industry Standards** 

Industrial standards

RoHS Compliance

Operating temperature

Rated ambient temperature

Shaft load (20,000 hours at 1,500 rpm)

Physical

Radial

N31, N32

N31, N32, N33

Recommended encoder

Recommended heat sink size

N33

Axial

Angular accuracy

Electrical

Step angle

Phases

NI Part Number	Manufacturer Part Number	Dual Shaft	Drive	Amps/Phase		oz-ins <sup>2</sup> (kg-m <sup>2</sup> x 10 <sup>-3</sup> )	Secretary and Control of the Control	Resistance Ω±10%	Torque oz-in. (N . m)		Max Speed rpm
780085-01	N31HRLG-LNK-NS-00	no	P70360	0.86	641 (4.52)	0.0202 (0.1430)	138	16.2	18.0 (0.127)	2,65	2400
780086-01	N31HRLG-LEK-M2-00	yes									
780087-01	N32HRLG-LNK-NS-0	no		0.95	1240 (8.76)	0.0380 (0.2680)	206	17.6	36.0 (0.254)	2.00	1800
780088-01	N32HRLG-LEK-M2-00	yes									
780089-01	N33HRLG-LNK-NS-0	no		1.24	1710 (12.08)	0.0567 (0.4000)	144	13.0	54.0 (0.381)	1.61	1800
780090-01	N33HRLG-LEK-M2-00	yes									
780091-01	N31HRHJ-LNK-NS-0	no	P70530	5.5	645 (4.55)	0.0202 (0.1430)	3.5	0.42	18.0 (0.127)	2.65	3000
780092-01	N31HRHJ-LEK-M2-0	yes									
780093-01	N32HRHJ-LNK-NS-0	no		5.1	1195 (8.43)	0.0380 (0.2700)	6.5	0.63	36.0 (0.254)	2.00	3000
780094-01	N32HRHJ-LEK-M2-0	yes									
780095-01	N33HRHJ-LNK-NS-0	no		5.0	1710 (12.07)	0.0567 (0.4000)	9.0	0.83	54.0 (0.381)	1.61	3000
780096-01	N33HRHJ-LEK-M2-0	yes									

Holding

Rotor Inertia

Phase

Phase

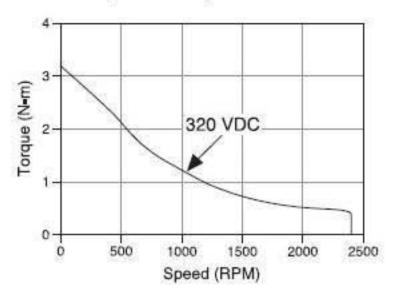
Detent

Thermal

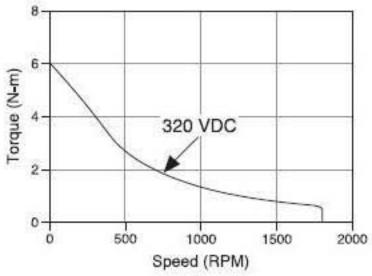
Back to Detailed Specs

Torque versus Speed

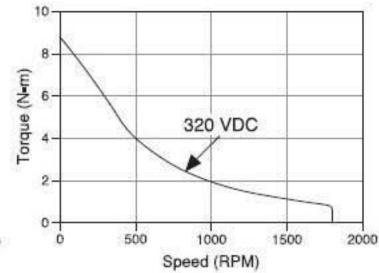
780085-01 and 780086-01 Torque versus Speed at 0.81 A



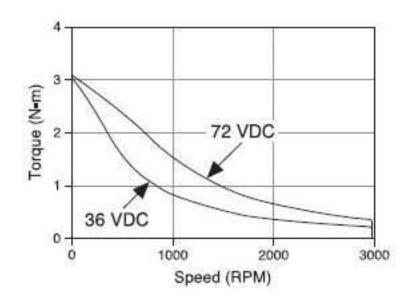
780087-01 and 780088-01 Torque versus Speed at 0.88 A



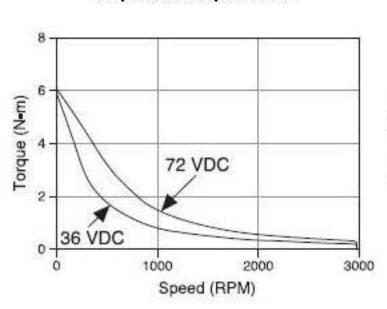
780089-01 and 780090-01 Torque versus Speed at 1.24 A



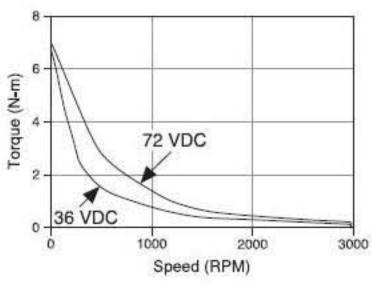
780091-01 and 780092-01 Torque versus Speed at 5 A

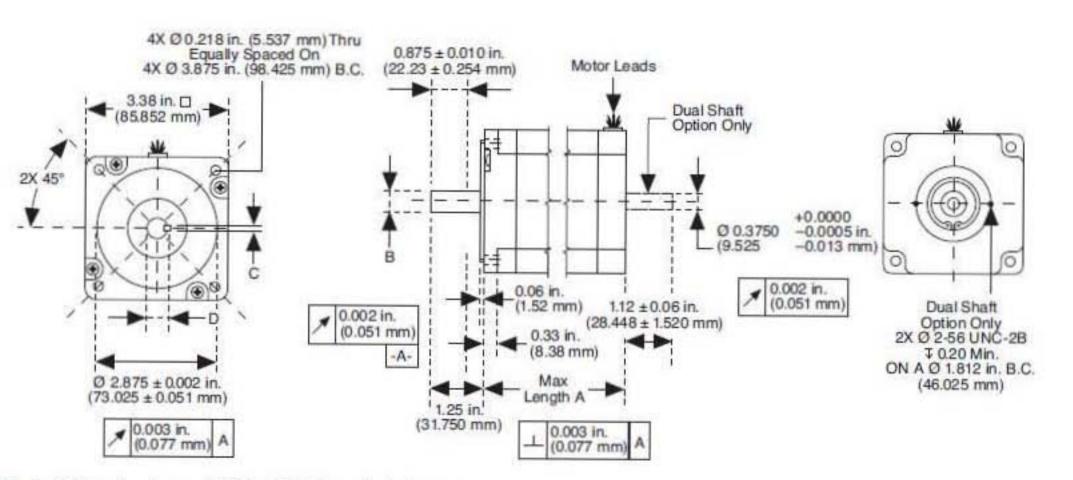


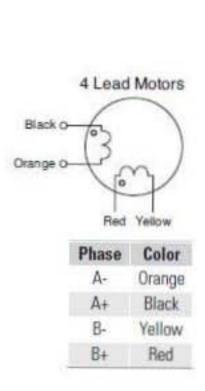
780093-01 and 780094-01 Torque versus Speed at 5 A



780095-01 and 780096-01 Torque versus Speed at 5 A







Note: Motor leads are 12.0 in. (304.8 mm) minimum.

NI Part Number	Manufacturer Part Number	Dual Shaft	Max Length A in. (mm)	B max and min in. (mm)	C max and min in. (mm)	D max and min in. (mm)	Net Weight Ib (kg)	
780085-01	N31HRLG-LNK-NS-00	no	3.13	0.5000 (12.700) 0.4995	0.1250 (3.175) 0.1230	0.555 (14.097) 0.538	5.0	
780086-01	N31HRLG-LEK-M2-00	yes	(79.502)	(12.687)	(3.124)	(13.665)	(2.27)	
780087-01	N32HRLG-LNK-NS-00	no	4.65 (118.11)	0.5000 (12.700) 0.4995	0.1250 (3.175) 0.1230	0.555 (14.097) 0.538	8.4	
780088-01	N32HRLG-LEK-M2-00	yes		(118.11)	(118.11)	(12.687)	(3.124)	(13.665)
780089-01	N33HRLG-LNK-NS-00	no	6.13 (155.70)	500000	0.6250 (15.875) 0.6245	0.1875 (4.763) 0.1855	0.705 (17.907) 0.688	11.9
780090-01	N33HRLG-LEK-M2-00	yes			(15.862)	(4.712)	(17.475)	(5.39)
780091-01	N31HRHJ-LNK-NS-00	no	3.13	0.5000 (12.700) 0.4995	0.1250 (3.175) 0.1230	0.555 (14.097) 0.538	5.0	
780092-01	N31HRHJ-LEK-M2-00	yes	(79.502)	(79.502)	(12.687)	(3.124)	(13.665)	(2.27)
780093-01	N32HRHJ-LNK-NS-00	no	4.65 (118.11)	0.5000 (12.700) 0.4995	0.1250 (3.175) 0.1230	0.555 (14.097) 0.538	8.4	
780094-01	N32HRHJ-LEK-M2-00	yes		(12.687)	(3.124)	(13.665)	(2.27)	
780095-01	N33HRHJ-LNK-NS-00	no	6.13	0.6250 (15.875) 0.6245	0.1875 (4.763) 0.1855	0.705 (17.907) 0.688	11.9	
780096-01	N33HRHJ-LEK-M2-00	yes	(155.70)	(15.862)	(4.712)	(17.475)	(5.39)	