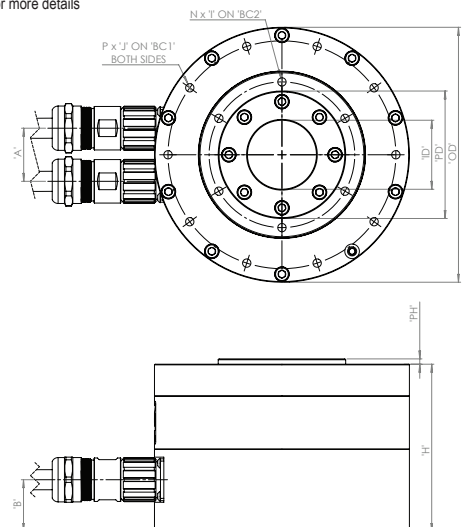


Parameter	Symbol	Units	04-1-N	04-2-Y	04-3-Y	04-4-Y	06-1-N	06-1-Y	06-1-Z	06-2-N	06-2-Y	06-2-Z	06-3-N	06-3-Z	08-1-N	08-1-Y	08-1-Z	08-2-N	08-2-Y	08-2-Z	08-3-N	08-3-Z		
Size			4				6 (133)								8 (160)									
Stack			1	2	3	4	1			2			3			1			2			3		
Winding			N	Y	Y	Y	N	Y	Z	N	Y	Z	N	Z	N	Y	Z	N	Y	Z	N	Z		
Max. Voltage (ph-ph)		V <sub>nom</sub> (V <sub>ph</sub> )	420 (600)				230 (300)								230 (300)									
Continuous Torque (coil @ 100°C)	T <sub>c</sub>	N-m lb-ft	0.55 0.41	1.26 0.93	2.15 1.59	4.75 3.50	2.6 1.92			5.9 4.35		6 4.43		10 7.38	9.5 7	4.1 3.02	4.2 3.1	9.4 6.93	9.7 7.15	15.7 11.58	15 11.06			
Peak Torque	T <sub>p</sub>	N-m lb-ft	1.31 0.97	2.61 1.93	4.52 3.33	12.23 9.02	3.8 2.8	4.3 3.17		7.5 5.53		8.6 6.34		13.1 9.66	12.9 9.51	6.2 4.57	7.1 5.24	12.5 9.22	14.2 10.47	21.7 16	21.4 15.78			
Max. Operating Speed*1	N <sub>max</sub>	RPM	760				500				319		500		452		370			149	370	239		
Max. Continuous Current	I <sub>c</sub>	A <sub>rms</sub>	4.64	9.54	10.80	8.00	4.43	8.1	14	5.05	9.3	16.1	4.77	16.9	4.3	7.8	13.4	4.9	9	15.7	4.6	16.2		
Peak Current	I <sub>p</sub>	A <sub>rms</sub>	13.80	24.6	28.50	25.70	7.56	15.4	26.7	7.56	15.4	26.7	7.31	26.7	7.6	15.4	26.7	7.6	15.4	26.7	7.3	26.7		
Torque Constant	K <sub>t</sub>	Nm/A <sub>rms</sub>	0.118	0.132	0.198	0.595	0.58	0.33	0.19	1.16	0.65	0.38	2.09	0.56	0.96	0.54	0.31	1.92	1.07	0.62	3.45	0.93		
Back EMF Constant (ph-ph <sub>line</sub> )	K <sub>e</sub>	V/kRPM	7.1	8	12.0	36.0	35	20	11	70	39	23	126	34	82	46	26	164	92	53	295	79		
Coil Resistance per Phase @ 25°C	R	Ω	0.83	0.36	0.39	1.10	1.93	0.58	0.39	2.7	0.8	0.54	4.23	0.68	2.47	0.75	0.5	3.47	1.03	0.69	5.45	0.87		
Coil Inductance per Phase	L	mH	1.55	0.76	1.04	4.2	3.74	1.2	0.8	5.87	1.87	1.25	11.5	1.69	4.89	1.57	1.04	7.68	2.45	1.63	15	2.21		
Poles	P		12				28								36									
Feedback Resolution	-	counts/rev	Hiperface (32 cycles/rev)				Hiperface (64 cycles/rev)								Hiperface (128 cycles/rev)									
Weight	W	kg lb	2.39 5.28	2.57 5.67	2.77 6.11	3.50 7.71	6.01 13.25			6.41 14.14		6.84 15.07		13.74 30.28			14.22 31.34			14.69 32.37				
Rotor Inertia	J	kg-m <sup>2</sup> lb-ft-sec <sup>2</sup>	3.4e-4 2.5e-4	3.8e-4 2.8e-4	4.3e-4 3.2e-4	5.1e-4 3.8e-4	3.9e-3 2.9e-3			4.2e-3 3.1e-3		5e-3 3.7e-3		1.79e-2 1.3e-2			1.9e-2 1.4e-2			2e-2 1.4e-2				
Max. Axial Compression Load*2	F <sub>c</sub>	lbf N	3124 13900				6384 28400				11352 50500													
Max. Axial Tension Load*2	F <sub>t</sub>	lbf N	700 3113				920 4092				1248 5551													
Max. Moment Load*2	M	ft-lbf Nm	27 36				58 78				110 149													

1. Max. speed based on standard grease lubricant and unsealed unit  
Oil lubricant provide higher speed but increases maintenance. Contact factory for more details.  
Cage bearings increases max. speed but reduce max. load. Contact factory for more details.  
Sealed units operate at lower speed. Contact factory for more details.

2. Load ratings are based on standard (none cage) single bearing in normal operation without significant shock and vibration.  
Dual bearing load capacity is increased. Contact factory for more details  
Cage bearings load capacity is reduced. Contact factory for more details  
Contact factory for high shock and vibration application.

Dimensions in inches (mm)												
Size	04				06				08			
Stack	1	2	3	4	1	2	3		1	2	3	
'OD'	4 (101.6)				6 (152.4)				8 (203.2)			
'ID'	0.625 (15.9)				1.625 (41.3)				2.75 (69.9)			
'PD'	1.875 (47.6)				3 (76.2)				4.25 (108)			
'PH'					0.125 (3.2)							
'P'	6				10				10			
'J'	10-32 (M5)				1/4"-20 (M6)				3/8"-16 (M8)			
'BC1'	3.5751 (90.8)				5.362 (136.2)				7.15 (181.6)			
'N'	6				6				6			
'I'	10-32 (M5)*1				1/4"-20 (M6)*1				3/8"-16 (M8)*1			
'BC2'	2.172 (55.2)				3.429 (87.1)				4.719 (119.9)			
'H'	3.12 (79.2)	3.435 (87.2)	3.75 (95.2)	4.695 (119.3)	3.307 (84)	3.622 (92)	3.937 (100)	3.932 (99.9)	4.247 (107.9)	4.562 (115.9)		
'A'					1.25 (31.75)							
'B'	1.056 (26.8)				1.219 (31)				1.719 (43.7)			



1. Imperial or Metric mounting holes to be specified upon order