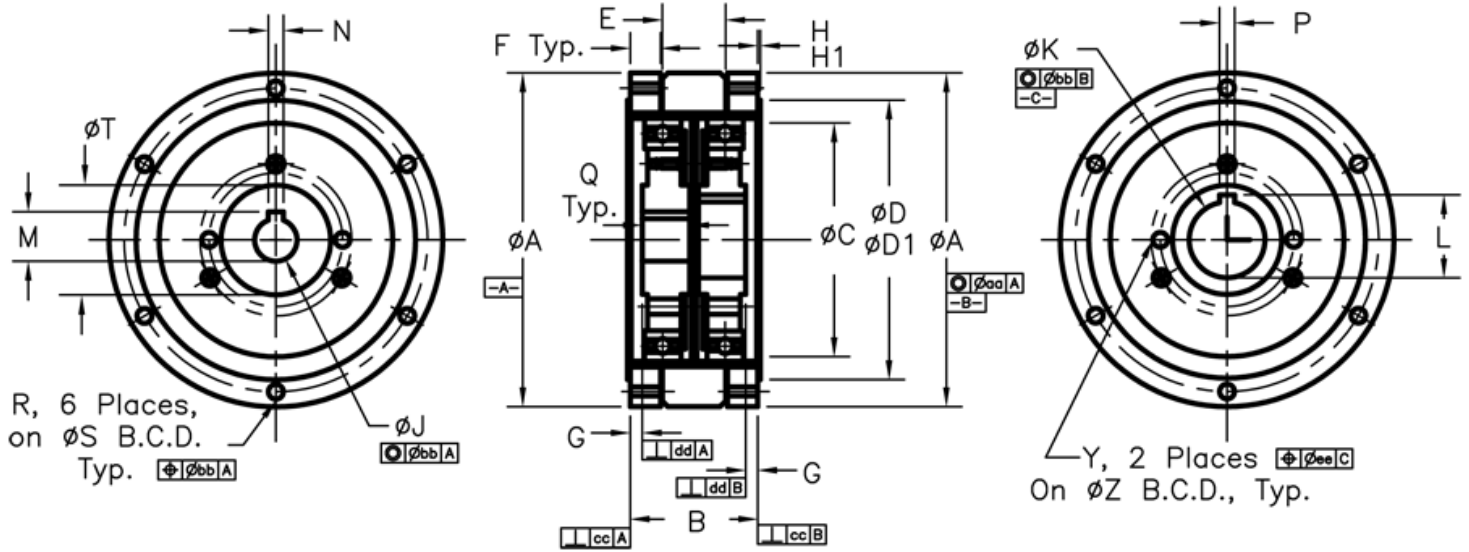


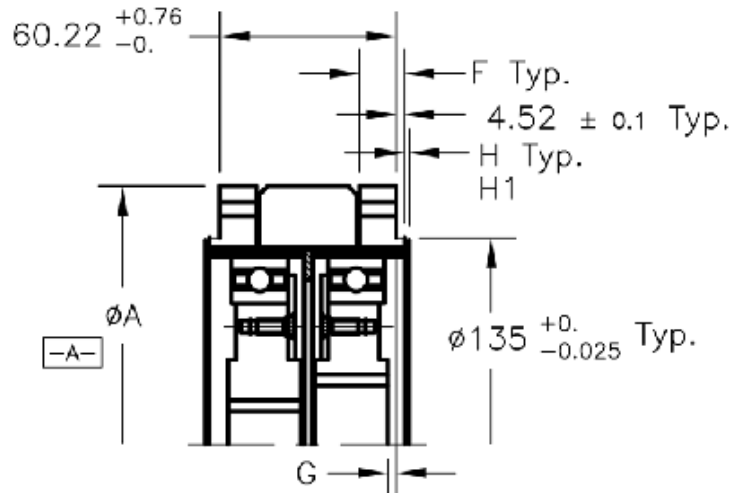
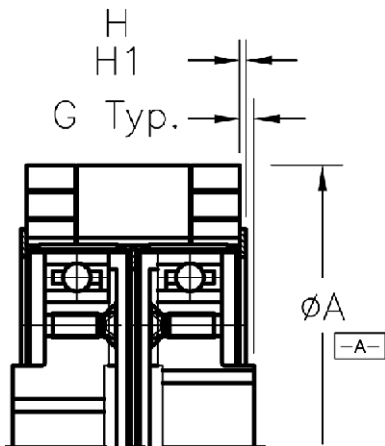


N-HDB Installation Drawing



N-HDB-020-BBB-M1

N-HDB-050-BBB-M1





	20	25	32	40	50
<b>ØA</b>	70 <sup>0</sup> <sub>-0.018</sub>	85 <sup>0</sup> <sub>-0.022</sub>	110 <sup>0</sup> <sub>-0.025</sub>	134 <sup>0</sup> <sub>-0.025</sub>	170 <sup>0</sup> <sub>-0.025</sub>
<b>B</b>	26.5 <sup>0.25</sup> <sub>0</sub>	34.8 <sup>0.25</sup> <sub>0</sub>	42 <sup>0.6</sup> <sub>0</sub>	56.5 <sup>0.8</sup> <sub>0</sub>	See Drawing
<b>ØC</b>	47 <sup>±0.51</sup>	59 <sup>±0.51</sup>	77 <sup>±0.51</sup>	95 <sup>±0.51</sup>	119 <sup>±0.51</sup>
<b>ØD</b>	54 <sup>±0.51</sup>	69.4 <sup>±0.51</sup>	92.1 <sup>±0.51</sup>	111.1 <sup>±0.51</sup>	134.4 <sup>±0.51</sup>
<b>ØD1</b>	54.7 <sup>0.51</sup> <sub>0</sub>	70.2 <sup>0.51</sup> <sub>0</sub>	92.9 <sup>0.38</sup> <sub>0</sub>	92.9 <sup>0.38</sup> <sub>0</sub>	135.2 <sup>0.38</sup> <sub>0</sub>
<b>E</b>	14 <sup>±0.1</sup>	18 <sup>±0.1</sup>	20.9 <sup>±0.1</sup>	28 <sup>±0.1</sup>	35 <sup>±0.2</sup>
<b>F</b>	6 <sup>±0.1</sup>	8 <sup>±0.2</sup>	10 <sup>±0.2</sup>	13 <sup>±0.2</sup>	13 <sup>±0.2</sup>
<b>G</b>	1.8 <sup>±0.51</sup>	3.27 <sup>±0.51</sup>	3.95 <sup>±0.51</sup>	1.95 <sup>±0.51</sup>	1.4 <sup>±0.51</sup>
<b>H</b>	0.81 <sup>±0.13</sup>	0.81 <sup>±0.13</sup>	0.81 <sup>±0.13</sup>	1.57 <sup>±0.13</sup>	1.57 <sup>±0.13</sup>
<b>H1</b>	0.94 <sup>0.13</sup> <sub>0</sub>	0.94 <sup>0.13</sup> <sub>0</sub>	0.94 <sup>0.13</sup> <sub>0</sub>	1.69 <sup>0.13</sup> <sub>0</sub>	1.69 <sup>0.13</sup> <sub>0</sub>
<b>ØJ</b>	9 <sup>0.015</sup> <sub>0</sub>	11 <sup>0.018</sup> <sub>0</sub>	14 <sup>0.02</sup> <sub>-0.02</sub>	14 <sup>0.02</sup> <sub>-0.02</sub>	19 <sup>0.02</sup> <sub>-0.02</sub>
<b>ØK</b>	16 <sup>0.013</sup> <sub>0</sub>	19 <sup>0.013</sup> <sub>0</sub>	25 <sup>0.02</sup> <sub>0</sub>	25 <sup>0.02</sup> <sub>0</sub>	35 <sup>0.023</sup> <sub>0</sub>
<b>L</b>	17.4 <sup>±0.1</sup>	20.8 <sup>±0.1</sup>	27.3 <sup>±0.2</sup>	27.3 <sup>±0.2</sup>	38.3 <sup>±0.2</sup>
<b>M</b>	10.4 <sup>0.1</sup> <sub>0</sub>	12.8 <sup>0.1</sup> <sub>0</sub>	16.3 <sup>0.1</sup> <sub>0</sub>	16.3 <sup>0.1</sup> <sub>0</sub>	21.8 <sup>0.1</sup> <sub>0</sub>
<b>N</b>	3 <sup>±0.0125</sup>	4 <sup>±0.013</sup>	5 <sup>±0.013</sup>	5 <sup>±0.013</sup>	6 <sup>±0.013</sup>
<b>P</b>	3 <sup>±0.0125</sup>	4 <sup>±0.013</sup>	5 <sup>±0.013</sup>	5 <sup>±0.013</sup>	10 <sup>±0.023</sup>
<b>Q</b>	11.4	12.8	15.6	19.4	23.2
<b>R</b>	M4x0.7	M5x0.8	M6x1	M8x1.25	M10x1.5
<b>ØS</b>	60	75	100	120	150
<b>ØT</b>	20	28	36	32	50
<b>Y</b>	M4x0.7	M4x0.7	M6x1	M8x1.25	M8x1.25
<b>ØZ</b>	27	35	44	48	65
<b>aa</b>	0.07	0.076	0.078	0.088	0.098
<b>bb</b>	0.013	0.015	0.015	0.018	0.02
<b>cc</b>	0.018	0.023	0.025	0.025	0.025
<b>dd</b>	0.01	0.013	0.013	0.013	0.015
<b>ee</b>	0.25	0.25	0.25	0.25	0.25
<b>Weight kg (lb)</b>	0.7 (1.50)	1.23 (2.70)	2.14 (4.70)	4.09 (9.00)	6.9 (15.3)



Size	Ratio	Input Speed 3000rpm			Input Speed 1500rpm			Input Speed 1000rpm		
		Output Torque N.m	Output Speed rpm	Input Power kw	Output Torque N.m	Output Speed rpm	Input Power kw	Output Torque N.m	Output Speed rpm	Input Power kw
20	80	15	37.5	0.096	15	18.8	0.049	15	12.5	0.033
	84	15	35.7	0.092	15	17.9	0.047	15	11.9	0.031
	100	18	30	0.092	20	15	0.052	22	10	0.038
	120	20	25	0.085	22.5	12.5	0.049	25	8.3	0.036
	126	20	23.8	0.081	22.5	11.9	0.047	25	7.9	0.034
25	80	25	37.5	0.160	25	18.8	0.082	27.5	12.5	0.060
	100	30	30	0.154	33	15	0.086	35	10	0.061
	120	32	25	0.137	35	12.5	0.076	38	8.3	0.055
	150	36	20	0.134	40	10	0.070	43.5	6.7	0.051
	160	36	18.8	0.126	40	9.4	0.066	40	6.3	0.043
32	80	55	37.5	0.353	55	18.8	0.180	55	12.5	0.120
	100	70	30	0.359	77	15	0.202	80	10	0.140
	135	80	22.2	0.332	88	11.1	0.170	97	7.4	0.125
	160	85	18.8	0.297	93.5	9.4	0.153	102	6.3	0.112
	200	85	15	0.238	93.5	7.5	0.122	102	5	0.089
40	80	100	37.5	0.641	100	18.8	0.328	100	12.5	0.218
	84	100	35.7	0.610	100	17.9	0.312	100	11.9	0.208
	100	120	30	0.615	132	15	0.346	135	10	0.236
	125	135	24	0.554	150	12	0.314	150	8	0.209
	160	150	18.8	0.524	165	9.4	0.271	165	6.3	0.181
	168	150	17.9	0.499	165	8.9	0.256	165	6	0.173
50	80	180	37.5	1.154	180	18.8	0.59	180	12.5	0.393
	100	220	30	1.128	240	15	0.628	245	10	0.428
	120	250	25	1.068	275	12.5	0.6	280	8.3	0.406
	150	280	20	1.044	310	10	0.544	320	6.7	0.374
	160	280	18.8	0.979	310	9.4	0.509	320	6.3	0.352
	200	280	17.9	0.783	310	7.5	0.406	320	5	0.279

Note: Output Torque ratings are based on an L-10 life of 5000 hours.

Contact NAC Drive Systems for information on non-standard ratios and high torque units.