

Brakes

B7, B3, B6, B5



Holding Brake

- NEMA 17, 23 and 34 Sizes
- "Fail-Safe" Type (Apply power to release)
- 24 Vdc Supply Voltage
- Clamp On Collar Requires no motor modifications
- Simplifies Stocking - Not requiring custom Brake Motor
- Available with Heavy Duty shaft inputs
- NEMA Output Flanges couple to NEMA Gear reducers



Specification	Units	Part/Model Number			
		B7	B3	B6	B5
Input Flange	-	N17	N23	HD Shaft	HD Shaft
Output Flange	-	N17	N23	HD Shaft	HD Shaft
Torque	lb-in	1.00	3.00	3.00	15.00
	Nm	0.113	0.339	0.339	1.695
Shaft Input Dia.	Inches	.197	.25	.5	.5
	mm	5	6.4	12.7	12.7
Shaft Output Dia.	Inches	.197	.25	.5	.5
	mm	5	6.4	12.7	12.7
Max Motor Shaft Length	Inches	.97	.94	1.60	1.30
	mm	24.6	23.9	40.6	33
Voltage	VDC	24	24	24	24
Current	Amps (A)	.220	.181	.181	.369
Resistance	Ohms	117	132	132	65
Inertia	oz-in-sec ²	.0001	.00051	.00051	.0045
	kg-m ²	7.06E-7	3.60E-6	3.60E-6	3.18E-5
Weight	Lbs	.44	1.06	1.06	2.88
	Kg	0.2	0.5	0.5	1.3

DIMENSIONS - inches (mm)

All Brake Data is at 20 degrees C

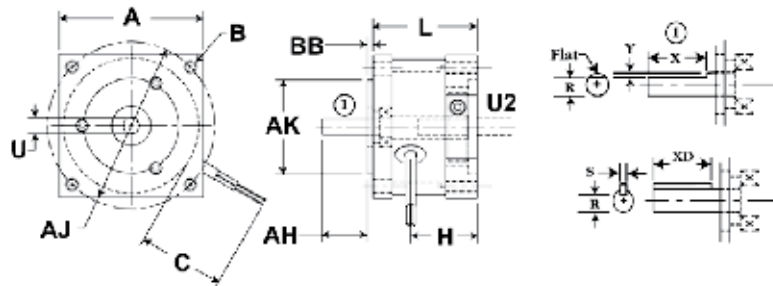
Model	B7	B3	B6	B5
A (3)	1.650 (41.91)	2.250 (57.15)	2.250 (57.15)	3.250 (82.55)
B (4x)	#4-40 UNC-2B	0.205 (5.21)	0.205 (5.21)	0.222 (5.64)
C (2)	11.5 (292.0)	16.75 (425.0)	16.75 (425.0)	18.0 (457.0)
H (3)	0.82 (20.83)	1.18 (29.97)	1.18 (29.97)	1.58 (40.13)
L (1)	1.51 (38.35)	1.78 (45.2)	3.031 (76.99)	2.58 (65.53)
U (1)	0.197 (5.00)	0.250 (6.35)	0.4997 (12.69)	0.4997 (12.69)
U2 (3)	0.100 (2.54)	0.145 (3.68)	0.145 (3.68)	0.145 (3.68)
AH (3)	0.71 (18.03)	0.70 (17.78)	0.70 (17.78)	1.16 (29.46)
AJ (3)	1.725 (43.82)	2.625 (66.68)	2.625 (66.68)	3.875 (98.43)
AK (1)	0.8662 (22.00)	1.500 (38.1)	1.500 (38.1)	2.875 (73.03)
BB (3)	0.08 (2.03)	0.10 (2.54)	0.10 (2.54)	0.10 (2.54)

(1) Maximum Values (2) Minimum Values (3) Nominal (4x) 4 places

Output Shaft Dimensions			
Model	X	Y	R
B7	0.59	0.02	0.177
B3	0.63	0.015	0.235

Model	S	XD	R
B6	1/8 sq.	0.63	0.375
B5	1/8 sq.	1.00	0.375

Note: These brakes are not IP65 rated and should not be used in an environment that could affect brake performance.



This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. Actual performance will vary depending on the operating environment and application. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For products designed to meet specific applications, contact PITTMAN Motor Sales Department.

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