

BALDOR® N-Series Brushless motor with Copley Xenus Amplifier



Features

- Low inertia to torque ratio for high acceleration.
- Economical neodymium iron boron magnets
- Torque 12 to 354 lb-in continuous.
- Sinusoidal Commutation
- Commutating Encoder option of 250 to 625 line count.
- Brake and IP65 shaft seal options

Stall Torque Lb-in (Nm)	rpm	Buss Voltage	Stall Current	Motor Model	Amplifier Model
4.43 (0.5)	4000	160	1.49	BSM50N-133AA	XSL-230-18
4.43 (0.5)	4000	300	0.79	BSM50N-175AA	XSL-230-18
7.08 (0.8)	6000	200	2.17	BSM63N-133AA	XSL-230-18
7.08 (0.8)	4000	200	1.98	BSM63N-150AA	XSL-230-18
7.08 (0.8)	4000	300	1.08	BSM63N-175AA	XSL-230-18
7.97 (0.9)	4000	160	2.87	BSM50N-233AA	XSL-230-18
7.97 (0.9)	2000	160	1.42	BSM50N-275AA	XSL-230-18
12.39 (1.4)	4000	160	4.56	BSM50N-333AA	XSL-230-18
12.39 (1.4)	4000	300	2.38	BSM50N-375AA	XSL-230-18
13.28 (1.5)	6000	200	4.23	BSM63N-233AA	XSL-230-18
13.28 (1.5)	4000	200	3.05	BSM63N-250AA	XSL-230-18
13.28 (1.5)	4000	300	2.11	BSM63N-275AA	XSL-230-18
15.05 (1.7)	6000	200	4.74	BSM80N-133AA	XSL-230-18
15.05 (1.7)	4000	200	3.05	BSM80N-150AA	XSL-230-18
15.05 (1.7)	4000	300	2.14	BSM80N-175AA	XSL-230-18
18.59 (2.1)	6000	200	6.26	BSM63N-333AA	XSL-230-18
18.59 (2.1)	4000	200	4.4	BSM63N-350AA	XSL-230-18
18.59 (2.1)	4000	300	3.09	BSM63N-375AA	XSL-230-18
28.32 (3.2)	6000	200	8.76	BSM80N-233AA	XSL-230-36
28.32 (3.2)	4000	200	5.61	BSM80N-250AA	XSL-230-18
28.32 (3.2)	4000	300	3.93	BSM80N-275AA	XSL-230-18
39.83 (4.5)	4000	200	8.61	BSM80N-350AA	XSL-230-36
39.83 (4.5)	4000	300	5.54	BSM80N-375AA	XSL-230-18
53.10 (6.0)	2000	300	4.16	BSM90N-1150AA	XSL-230-18
53.10 (6.0)	1200	300	2.69	BSM90N-1250AA	XSL-230-18
53.10 (6.0)	4000	300	8.07	BSM90N-175AA	XSL-230-36
88.50 (10.0)	2000	300	6.36	BSM90N-2150AA	XSL-230-18
88.50 (10.0)	1200	300	4.33	BSM90N-2250AA	XSL-230-18
88.50 (10.0)	4000	300	12.01	BSM90N-275AA	XSL-230-36
117.71 (13.3)	2000	300	8.92	BSM90N-3150AA	XSL-230-36
117.71 (13.3)	1200	300	5.77	BSM90N-3250AA	XSL-230-18
117.71 (13.3)	4000	300	19.6	BSM90N-375AA	XSL-230-40
123.90 (14.0)	2000	300	10.26	BSM100N-1150AA	XSL-230-36
123.90 (14.0)	1200	300	6.41	BSM100N-1250AA	XSL-230-18
203.55 (23.0)	2000	300	16.87	BSM100N-2150AA	XSL-230-40
203.55 (23.0)	1200	300	10.85	BSM100N-2250AA	XSL-230-36
300.90 (34.0)	2000	300	22.91	BSM100N-3150AA	XSL-230-40
300.90 (34.0)	1200	300	16.03	BSM100N-3250AA	XSL-230-40
354.00 (40.0)	1200	300	18.09	BSM100N-4250AA	XSL-230-40

**Xenus to BSM
WIRING**

