

BALDOR • RELIANCE

**BSM-Series
Brushless Motors
with Hall Feedback
C-Face with base**

1/4 thru 3 Hp

NEMA 42-56C

Applications: Conveyors, Pumps, Mixers, Packaging Machinery



Features: NEMA 42/56 foot/base mount, Hall sensor feedback, Face/Foot mount, High energy Neodymium magnets, Premium 200°C moisture resistant wire, ABEC Quality Class 3 bearings, High 155°C winding temperature design, UL/CE/cUL. Speed range to 7,000 RPM

Hp/Kw	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	EISA Status ^(a)	Notes ^(a)
C-Face, Footless										
0.25/0.18	1800	42C	BSM25C-1177MHC	326	E4	7.95	13	320	C	
0.5/0.37	1800	42C	BSM25C-2177MHC	340	E4	8.41	9	320	C	
C-Face, Foot Mounted										
0.5/0.37	1800	56C	BSM33C-2177MHQ	549	E4	8.76	33	320	C	
1/0.75	1800	56C	BSM33C-3177MHQ	605	E4	9.86	22	320	C	
1.5/1.13	1800	56C	BSM33C-4177MHQ	692	E4	12.20	25	320	C	
2/1.5	1800	56C	BSM33C-5177MHQ	756	E4	15.20	30	320	C	
3/2.25	1800	56C	BSM33C-6177MHQ	927	E4	16.70	31	320	C	

^(a) See notes on inside back flap.

**BMC-Series
Adjustable Speed
Brushless Control**

Applications: Conveyors, Pumps, Mixers, Packaging Machinery



Features: Speed regulation better than 0.5%, Peak current two times continuous, Jumper selections: line voltage, motor poles, automatic/manual start, braking, Diagnostic LED's, Industry standard speed command of +/- 10 Vdc or pot input, Diagnostic LEDs, Trimpot adjustments, Accel/decel time 0.1 - 30 sec

Rating Hp/Kw	Input Vac 50/60Hz	Phase	Output			Catalog Number	List Price	Mult. Sym.	Height in/mm	Width in/mm	Length in/mm
			VDC	Cont.Amps	Peak Amps						
.25/0.18	115/208/230	1	320	1.5	3	BMC6A01	399	E3	2.75/70	4.05/103	5.4/136
.05/0.37	115/208/230	1	320	2.4	4.8	BMC6A02	435	E3	2.75/70	4.05/103	5.4/136
1/0.75	115/208/230	1	320	4.0	8	BMC6A04	479	E3	5/127	4.05/103	6.8/172
1.5/1.13	115/208/230	1	320	5.5	11	BMC6A05	515	E3	4.5/114	4.05/103	6.8/172
2/1.5	208/230	1,3	320	6.7	13.4	BMC2A06	626	E3	4.45/113	4.05/103	8.6/217
3/2.25	208/230	3	320	9.0	18	BMC2A09	718	E3	4.45/113	4.05/103	8.6/217

Farm Duty
Motors

Definite Purpose
Motors

Unit Handling
Motors

Brake
Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start & Dynamic
Brakes