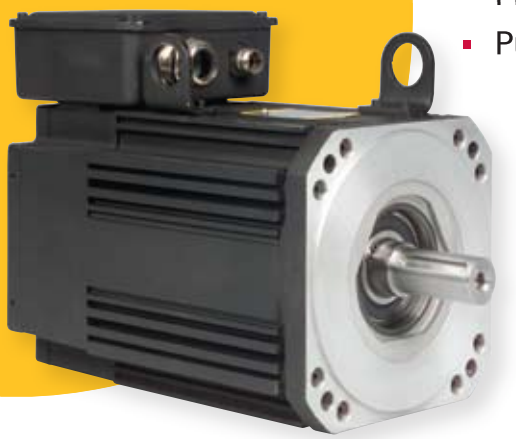
BALDOR

NEW

Brushless Servo Motors
BSM132 Series

- **Higher power, higher torque for demanding industrial applications**
- **Durable brushless servo motors designed to improve productivity and reliability**
- **Premium grease proven to provide four times longer life**
- **Double insulated wire with premium 200˚C moisture resistant and multi-coated for superior protection**
- **Quality servo rated ball bearings for durability**
- **High energy magnets providing high dynamic performance**
- **Motor sealing provides up to IP65 protection**

- Packaging
- Metal forming
- Web processing
- Material handling
- Converting machinery
- Machine tool
- Robotics
- Pulp and paper
- Automated assembly
- Shearing/cutting
- Wood processing
- Plant automation
- Printing
- Fabricated metals
- Process control
- Punching/pressing



Baldor's servo motors have been hard at work in many worldwide applications for a long time – since 1983!

Baldor's servos have improved throughput, quality, and part consistency of many machines. Servo/motion will reduce set-up time, reduce scrap and reduce maintenance cost.

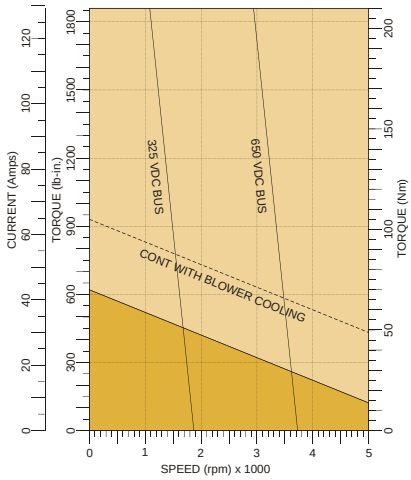
The latest introduction by Baldor, the industry motor leader, is a servo motor providing higher power and higher torque capability - the new BSM132C can provide acceleration torques up to 3190 lb-in (360 N-m) !

Attributed to a broad range of available options, the BSM132C motor may be configured to meet a variety of application requirements - shaft, mounting, winding, brake, feedback, cooling. Contact Baldor with your needs.

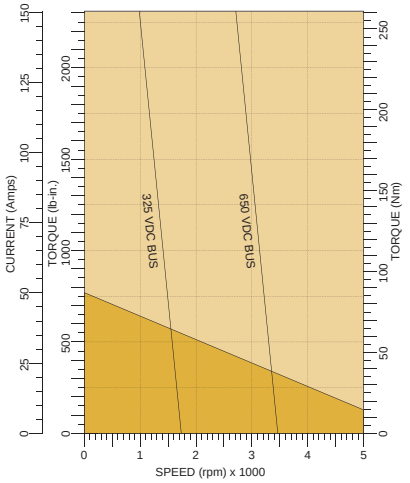
Baldor's servo/motion represents the best long-term investment to maximize plant and machine operation, machine throughput and productivity.

Baldor brushless servo motors have been designed to provide you with real value of high quality and high performance in your machinery. Brushless motors allow for improved torque per package size, reduced maintenance cost, high-speed capability, and quick response. They provide the best value for your investment.

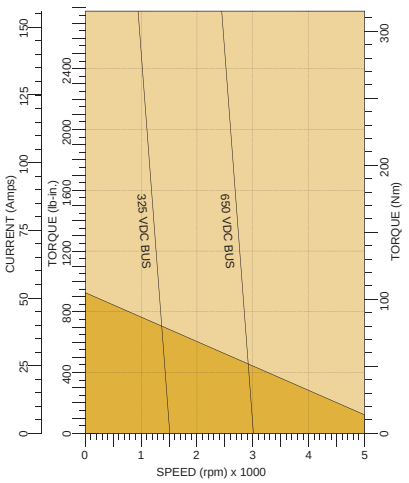
BSM132C-4200



BSM132C-5200



BSM132C-6200

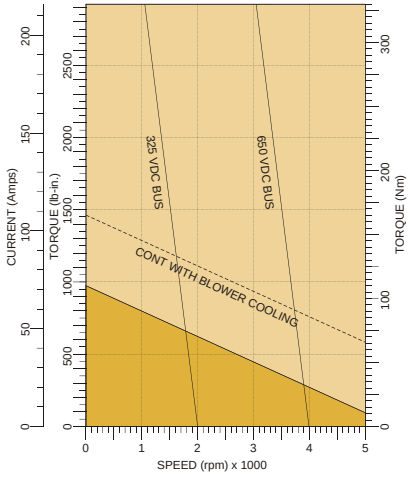


		BSM132C-4200	BSM132C-5200	BSM132C-6200
General				
Continuous stall torque (2)	lb-in N-m	619.5 70	770.0 87	929.3 105
Continuous stall amps (2)	amps	43	50	52
Peak torque (2)	lb-in N-m	1859 210	2310 261	2788 315
Peak current (2)	amps	129	149	156
Nominal speed @ 650VDC bus	rpm	3500	3500	3500
Power @ 3500 rpm	HP/Kw	10.3/7.7	16.2/12.1	15.4/11.5
Nominal speed @ 325VDC bus	rpm	1800	1800	1800
Power @ 1800 rpm	HP/Kw	11.3/8.5	17.7/13.2	17/12.7
Electrical				
Torque constant (1)	lb-in/amp Nm/amp	18.0 2.03	19.4 2.19	22.3 2.52
Voltage constant (1)	Vpk/Krpm Vrms/Krpm	173 122	187 132	215 152
Resistance (1)	ohms	0.21	0.19	0.17
Inductance (1)	mH	3.65	3.42	3.16
Mechanical				
Inertia	lb-in-s^2 Kg-cm^2	0.287 324	0.345 389	0.392 443
Maximal speed	rpm	5000	5000	5000
Number of motor poles		8	8	8
Weight	lbs Kg	123 55.9	148 67.3	172 78.2

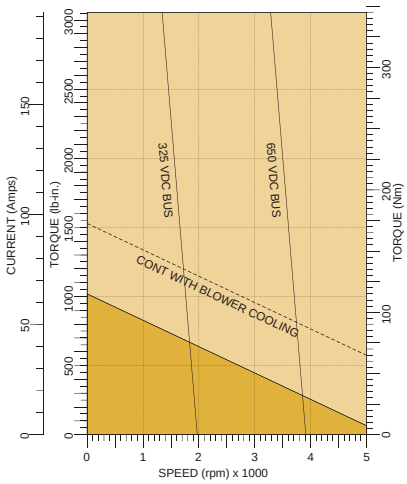
Notes: (1) Cold value (2) Hot value (3) Preliminary data subject to change

Baldor motors include a proven, highly reliable potted stator design to provide environment, current spike and high voltage protection. They also include superior bearing grease that has been tested and proven to provide four times longer life. They are solidly built with proven, durable motor frames. These servos are designed to handle rugged industrial applications. Baldor's motors represent the best long-term investment for maximizing plant and machine operation.

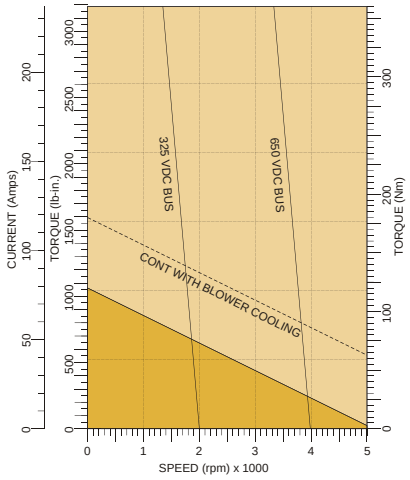
BSM132C-7200



BSM132C-8200

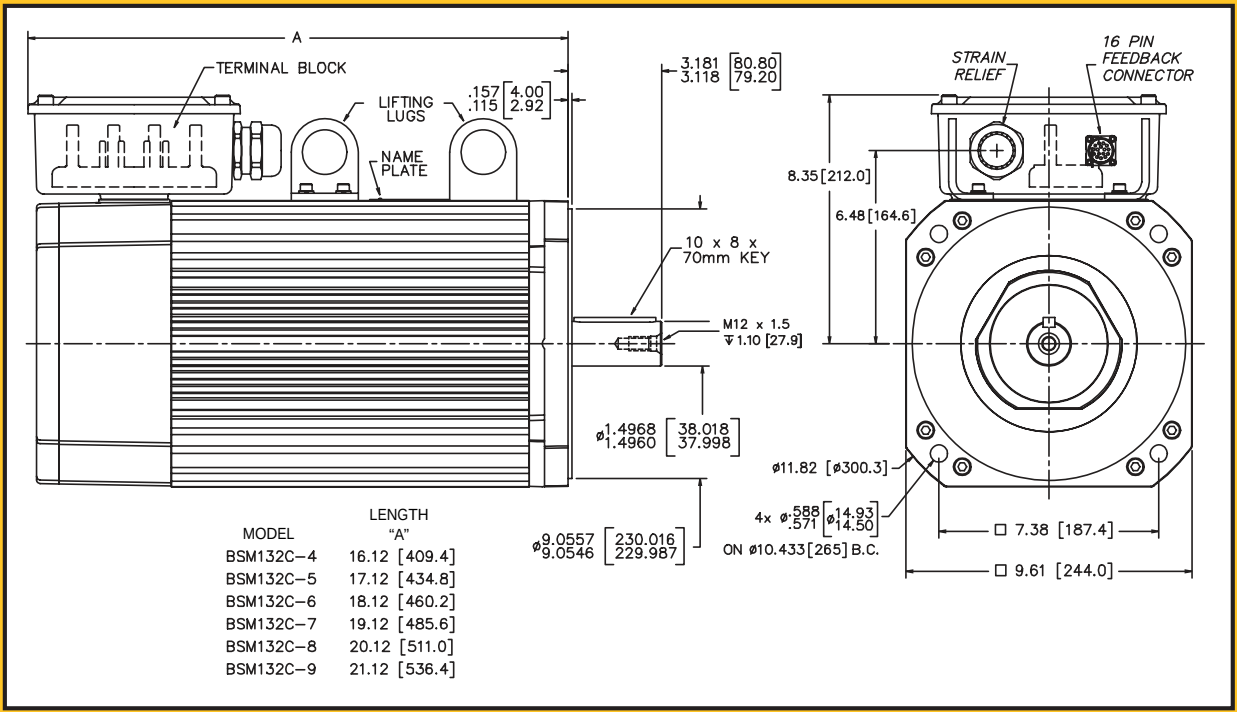


BSM132C-9200



		BSM132C-7200	BSM132C-8200	BSM132C-9200
General				
Continuous stall torque (2)	lb-in N-m	973.5 110	1017.8 115	1062.0 120
Continuous stall amps (2)	amps	72	74	79
Peak torque (2)	lb-in N-m	2921 330	3053 345	3186 360
Peak current (2)	amps	217	222	237
Nominal speed @ 650VDC bus	rpm	3500	3500	3500
Power @ 3500 rpm	HP/Kw	12.3/9.2	17/12.6	18.9/13.6
Nominal speed @ 325VDC bus	rpm	1800	1800	1800
Power @ 1800 rpm	HP/Kw	14.2/10.6	18.6/14	19.5/14.5
Electrical				
Torque constant (1)	lb-in/amp Nm/amp	16.8 1.9	17.2 1.94	16.8 1.9
Voltage constant (1)	Vpk/Krpm Vrms/Krpm	162 114	165 117	162 114
Resistance (1)	ohms	0.087	0.053	0.066
Inductance (1)	mH	2.65	2.07	1.73
Mechanical				
Inertia	lb-in-s^2 Kg-cm^2	0.448 506	0.513 579	0.570 644
Maximal speed	rpm	5000	5000	5000
Number of motor poles		8	8	8
Weight	lbs Kg	191 86.8	210 95.5	229 104.1

Notes: (1) Cold value (2) Hot value (3) Preliminary data subject to change



MODEL	LENGTH "A"
BSM132C–4	16.12 [409.4]
BSM132C–5	17.12 [434.8]
BSM132C–6	18.12 [460.2]
BSM132C–7	19.12 [485.6]
BSM132C–8	20.12 [511.0]
BSM132C–9	21.12 [536.4]

Available options:

- Shaft/Mounting – choose either the standard shaft/mounting or specify the exact requirements for your machine
- Feedback – resolver, incremental and absolute encoders – select the optimum feedback requirement for your application
- Holding brakes available contact Baldor
- Winding – use the best winding for your application – to provide the best performance in your equipment
- Optional blower cooling - increases torque by additional x 1.45 – to extend and obtain additional torque and machine performance

Ordering Information

BSM132C - XXXXAA

Motor Size
Winding Code
Motor Options

Feedback Options
A = Resolver
F = Encoder 2500 ppr
Others Available

For additional office locations visit
www.baldor.com

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World Headquarters (U.S.A.)
Baldor Electric Company
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Fax: +1 479 648-5792
E-mail: sales.us@baldor.com

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