



CUSTOM DESIGNS

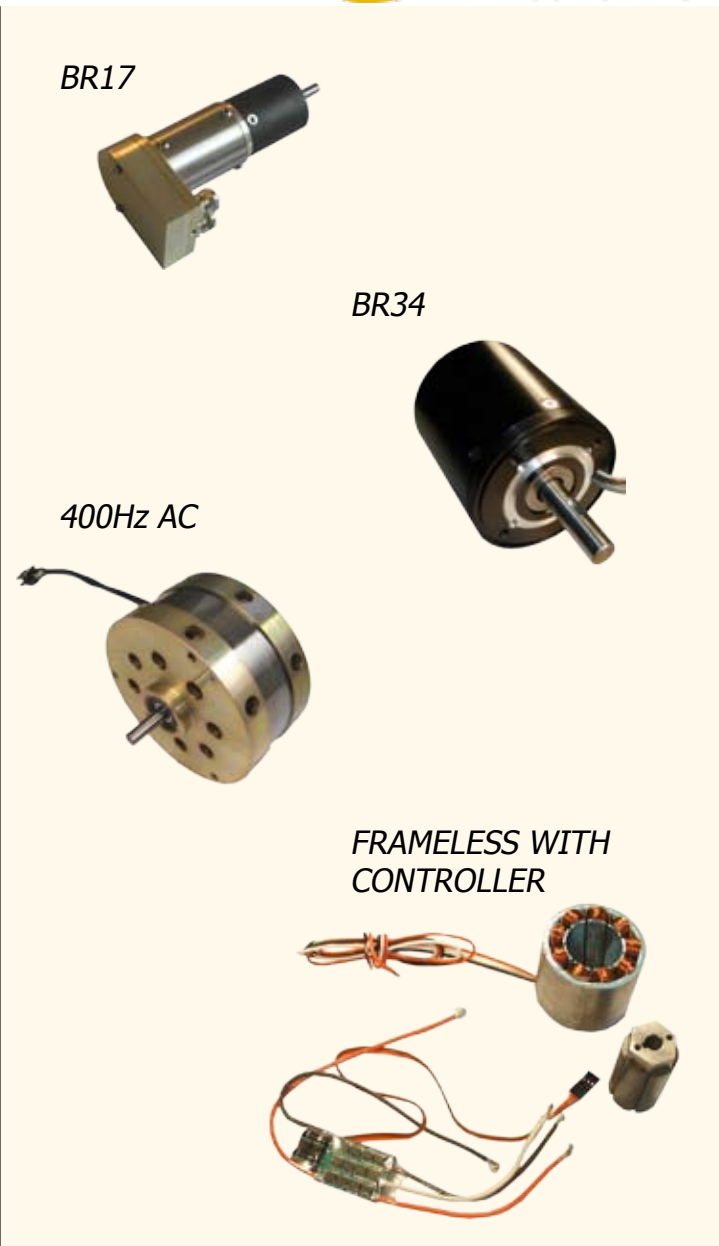
Dynetic Systems offers three levels of motors. Standard motors as shown in this brochure, Custom-Standard where we modify our standard line with options shown, and Custom where we change form, fit or function of our standard motors including completely new motor designs to fit the customer's application.

The Custom-Standard line uses our base motor construction and adds features and benefits not in the standard product line such as custom gearing, special wire harnesses, MIL-STD connectors, special shafts, encoders, brakes and filtering.

Custom motors include extreme changes to our standard lines or completely new designs. We have designed PMDC and AC, BLDC, 400 HZ AC, wound field and frameless motors. Our engineering staff is available to the customer. They work directly with your engineers to develop the right motor for the application.

Features Include:

- Round Body
- MIL-STD Specifications
- Canister Design
- Environmentally Protected
- High Shock & Vibration
- High Altitude
- Extreme Temperature
- Wet Motors
- EMI/RFI Filtering
- Custom Shafts
- Custom Mounting
- DO-160-E Compliant



Your local Representative is:

CORPORATE OFFICE:

19128 Industrial Blvd
Elk River, MN 55330

(800) 899-4372
(763) 441-4300
(763) 441-5217 FAX

SALES@DYNETIC.COM

WWW.DYNETIC.COM



DC / AC SINUSOIDAL

BL SERIES

- HIGH TORQUE**
- HIGH CURRENT**
- LOW VOLTAGE**
- HIGH EFFICIENCY**
- LOW INDUCTANCE**
- LOW BACKLASH**
- HIGH POWER**



NEMA34

NEMA23

NEMA17

Introduction

For over 30 years Dynetic Systems has built a reputation based on producing quality products and offering excellent service. That tradition is carried on today by our talented and dedicated design and manufacturing staff and supported by one of the most helpful sales and support organizations. We have many years of application experience

Dynetic Systems offers a complete line of DC Brushless Motors in sizes 17, 23 and 34. These motors are designed with Salient Pole Technology and Neodymium magnets. We build motors for all industries, but specialize in Aerospace, Military, Medical, Robotic and Semiconductor.

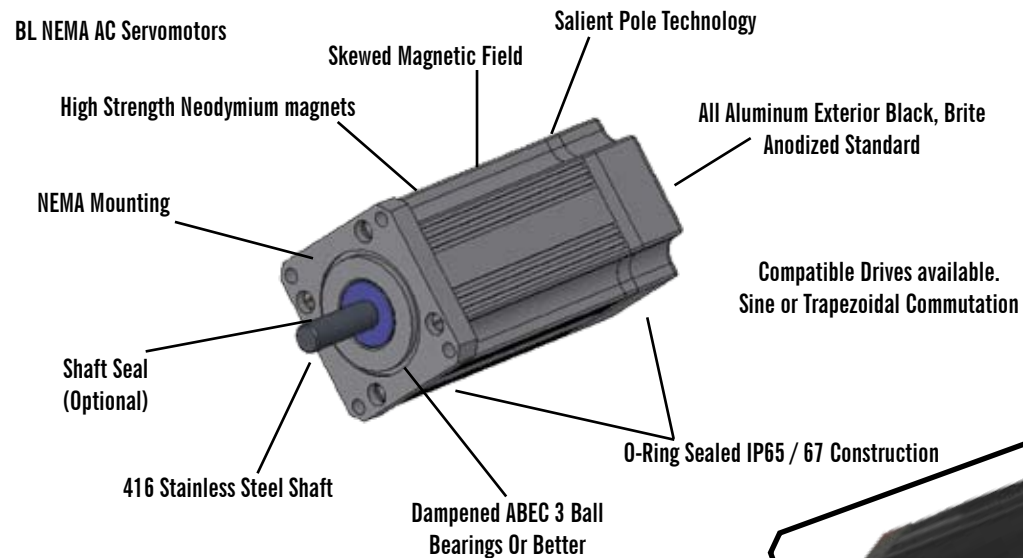
Our industry leading magnetic design has produced a superior, high power Brushless motor that lives up



with both the electrical and mechanical aspects of motion control. We also take great pride in our personalized support and thorough discussion of your applications. Our specialty is integrating gearing, encoders, tachometers, filters and brakes into our servo motors to provide cost effective solutions for your applications.

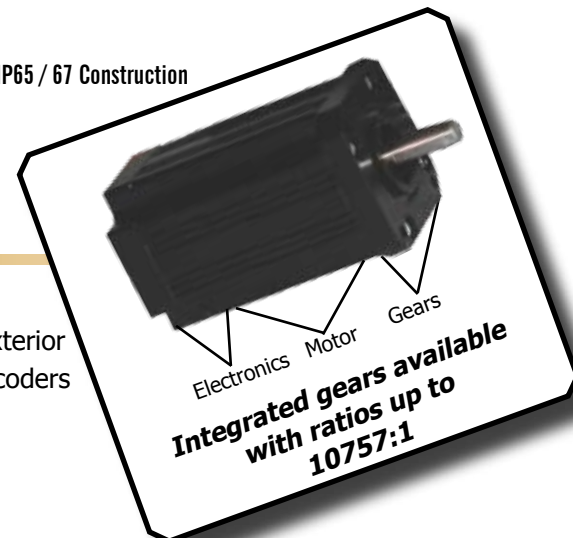
to Dynetic Systems reputation for toughness and longevity. The BL line of motors are designed to be compatible with industry standard motion controls. Born from our highly successful custom Brushless motors in use worldwide, Dynetic's new BL Line is world class designed and built in the USA.

Standard Features



Additional Options

- Hall Sensors
- Brakes
- Temp Sensor
- Custom Connectors
- Metric Mounting
- Resolvers
- Gearheads
- Sealed to IP67
- MIL Connectors
- Custom Magnets
- Cables
- Stainless Steel Exterior
- Commutating Encoders
- Custom Shafts

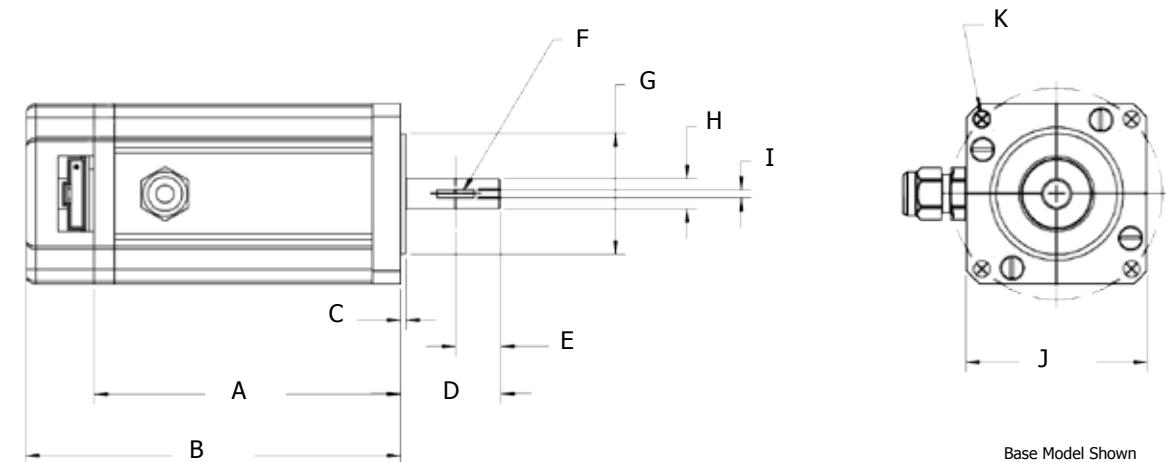


Specifications*

Model	Rated Watts	Rated RPM	Torque (oz-in)
BL1707 6 - 48 Volts	600	5000	650
BL1715 6 - 48 Volts	600	5000	650
BL2315 12 - 240 Volts	1700	12000	1300
BL2330 12 - 240 Volts	1700	12000	1300
BL3410 12 - 240 Volts	1700	12000	1300
BL3420 12 - 240 Volts	1700	12000	1300
BL3430 12 - 240 Volts	1700	12000	1300

* Ratings based on 23°C Ambient Temperature, Sine Commutation

Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K
BL1707	2.821	3.389	.062	.75	---	---	.866	.25	---	1.65	.125 dia. Ø1.725BC
BL1715	3.57	4.14	.062	.75	---	---	.866	.25	---	1.65	.125 dia. Ø1.725BC
BL2315	3.8	4.65	.062	1.24	.56	#304	1.5	.375	.094	2.25	.204 dia. Ø2.625BC
BL2330	5.3	6.15	.062	1.24	.56	#304	1.5	.375	.094	2.25	.204 dia. Ø2.625BC
BL3410	3.2	4.252	.062	1.46	.56	#404	2.875	.5	.126	3.25	.221 dia. Ø3.875BC
BL3420	4.2	5.252	.062	1.46	.56	#404	2.875	.5	.126	3.25	.221 dia. Ø3.875BC
BL3430	5.4	6.252	.062	1.46	.56	#404	2.875	.5	.126	3.25	.221 dia. Ø3.875BC

dimensions in inches

Specifications subject to change without notice - consult factory for current specifications

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