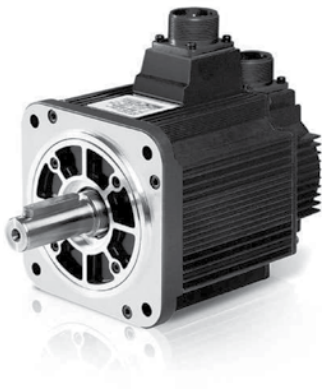
EMG-15 Servo Motor

FEATURES

- ***Rated Torque of 1,014 oz-in***
- ***Medium Inertia to Maximize Torque***
- ***Peak Torque up to 300% of Rated Torque***
- ***Peak Current up to 300% of Rated Current***
- ***Speed of up to 3,000 RPM***
- ***2,500 PPR Incremental Encoder Attached***
- ***Enclosed and Self-Cooled***
- ***Power Rating up to 1.5 kWatts***
- ***Oil Seal and Optional Brake***
- ***Long Life and Highly Reliable***
- ***Neodymium-Iron-Boron Magnets (NdFeB)***
- ***CE Certified***



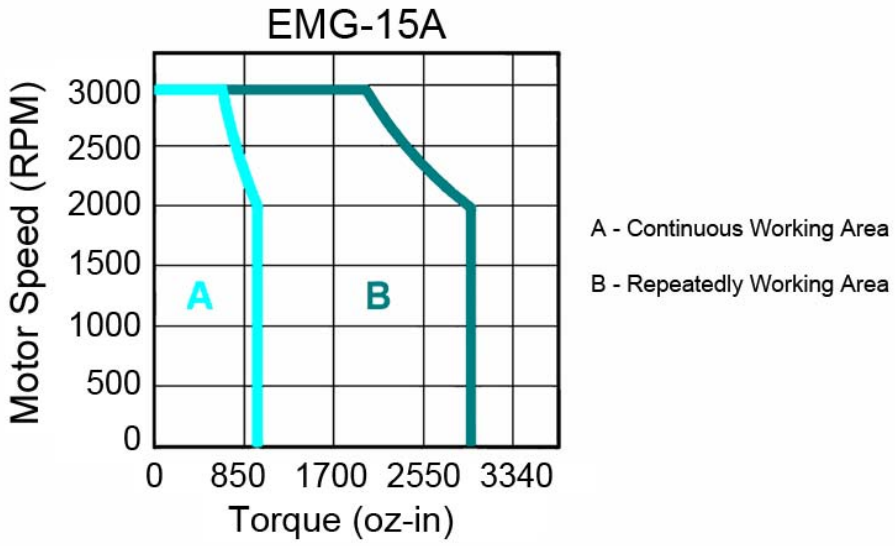
DESCRIPTION

Anaheim Automation's Digital AC Servo Motors offer a simple solution to servo applications involving speed and positioning control. The AC EMG-15 Servo Motor comes standard with a 2,500 Pulses Per Revolution (PPR) Incremental Encoder, runs at a maximum speed of 3,000 RPM, provides peak values up to 300% of the rated torque and current values, and has a rated torque of 1,014 oz-in with a 1.5 kWatt power rating. These enclosed and self-cooled motors also provide longer motor life and higher reliability. The EMG-15 AC Servo Motors enable industrial motion control applications with medium inertia to attain a great combination of speed and positioning functionaliity.

SPECS

Model #	Rated Torque (oz-in)	Rated Power (Watts)	Rated Speed (rpm)	Max Speed (RPM)	Rated Current (A rms)	Brake (24VDC)	Inertia (oz-in-sec^2)	Electric Time Constant T_E (ms)	Back EMF Voltage K_E (V/krpm)	Torque Constant K_T (oz-in/A)	Resistance (ohms)	Weight (lbs)
EMG-15APB22	1013	1500	2000	3000	8.2	No	0.2605	6.43	65	157.1	0.65	23.15
EMG-15APB24	1013	1500	2000	3000	8.2	Yes	0.2761	6.43	65	157.1	0.65	32.03

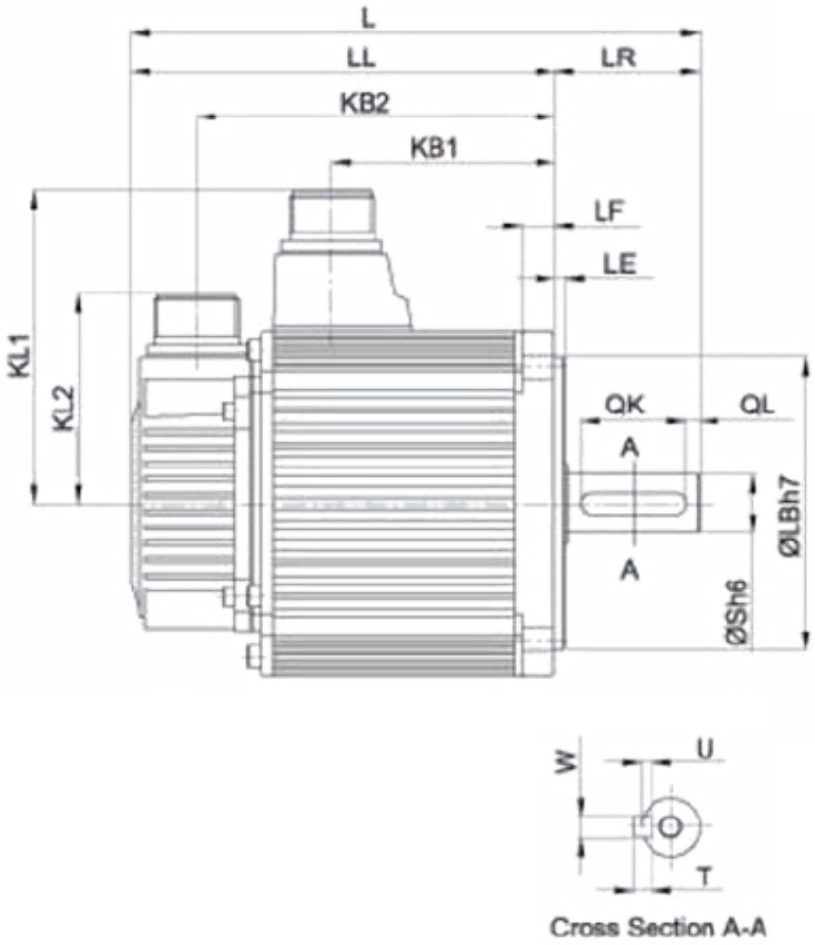
TORQUE CURVE



L010979

910 East Orangefair Ln. Anaheim, CA 92801 **Tel. (714) 992-6990** Fax. (714) 992-0471 **www.anaheimautomation.com**

DIMENSIONS



Note: All Dimensions in (mm)

MODEL #	L	LL	KB1	KB2	KL1	KL2	FLANGE SLIDE							S	Tapx-Depth	KEY				
							LR	LE	LF	LC	LA	LB	LZ			QK	QL	W	T	U
EMG-15APB22	240	185	109	160	118	79	55	4	12	130	145	110	9	22	M6x20L	40	5	8	7	4
EMG-15APB24	294.5	239.5	109	214.5	118	79	55	4	12	130	145	110	9	22	M6x20L	40	5	8	7	4

WIRING DIAGRAM

Encoder Connector Specification:

Receptacle	Plug
M-CAN-CM1002-10P	M-CAN-CM1008-10S



Wire-Saving Incremental Encoder

Pin No.	Signal
1	A+
2	A-
3	B+
4	B-
5	C+
6	C-
7	PG0V
8	PG5V
10	FG

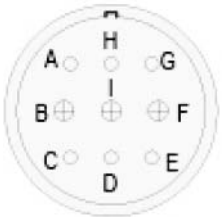
Incremental / Absolute Encoder

Pin No.	Signal
1	S+
2	S-
3	BAT+
4	BAT-
5	PG0V
8	PG5V
10	FG

WIRING DIAGRAM

Motor Connector Specification:

Receptacle	Plug
HMS3102E20-18P	HMS3106AE20-18S



Pin No.	Signal
A	-
B	U
C	FG
D	FG
E	-
F	W
G	B1
H	B2
I	V

Note: There are no B1, B2 signals in motor without brake

Additional Information

Power Requirement: 220VAC	Vibration: 49 m/s^2	Running Air Pressure: 86 to 106 kPa
Insulation Class: F	Ambient Temperature: 20% to 80% RH	Insulation Voltage Endurance: AC 1800C, 50Hz, 1 min
Ambient Temperature: 0°C to 40°C	Running Humidity: Not More Than 90%, Under 25°C	Insulation Impedance: Not Less Than 50M Under Normal Conditions
Running Temperature: -25°C to 40°C		

Compatible Drivers:

Part Number	Description
PRONET-E-15A	Servo Driver



Compatible Cables:

Part Number	Description
PDM-GA16-05	Power Cable
BMP-GA24-05	Encoder Cable
PRONET-PSC-CC24-02	Comm. Cable

