KNC-SRV-SMC130D-0300-20 Servo Motor

ANAHEIM AUTOMATION

FEATURES

- ***24-60VDC***
- ***3000W Power Rating***
- ***Rated Torque of 2029 oz-in***
- ***Maximum Speed of 2500 RPM***
- ***2500PPR Incremental Magnetic Encoder***
- ***IP54 & IP65 Protection Level***
- ***Insulation Class F***
- ***Brake Option Available***

DESCRIPTION

The SMC130D-0300-20 Series Servo Motor offers a low-cost solution for motion control applications requiring position and speed control. With the 2500PPR Incremental Magnetic Encoder, it allows for better cushioning ability and higher cost-performance ratio. These Servo Motors have Insulation Class F which is the best Insulation Class on the market. They are very quiet with high reliability and stability in high temperature environments. These Servo Motors boast peak torque values up to 6089 oz-in, provide excellent dynamic response, allow for 3 times the overload capacity, and has a rated torque of 2029 oz-in. It is available in a 130mm square flange size, with a brake option.

ORDERING INFORMATION

SMC130D-0300-20WAK-4DSH-2

Flange Size (mm)	Inertia Type	Rated Power (Watts)	Rated Speed (rpm)	Encoder	Brake	Shaft Options	Voltage	Poles	Connector
130	D Medium Inertia	3000	2000	W 2500PPR Incremental Magnetic	A No Brake B Brake	K Keyed Shaft	D DC48V	4 Pole Pairs	H Three Row DB15 PIN Socket

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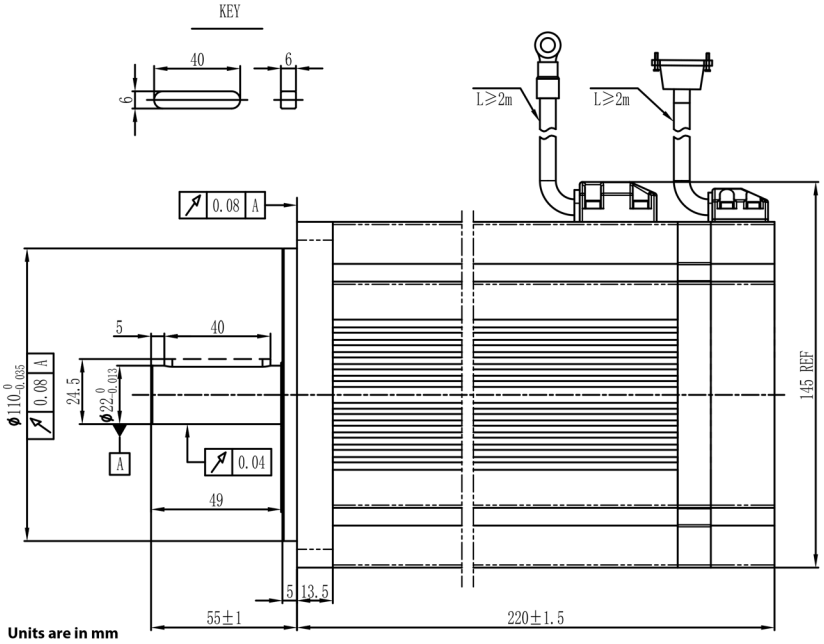
4985 E. Landon Dr. Anaheim, CA 92807 **Tel. (714) 992-6990** Fax. (714) 992-0471 **www.anaheimautomation.com**

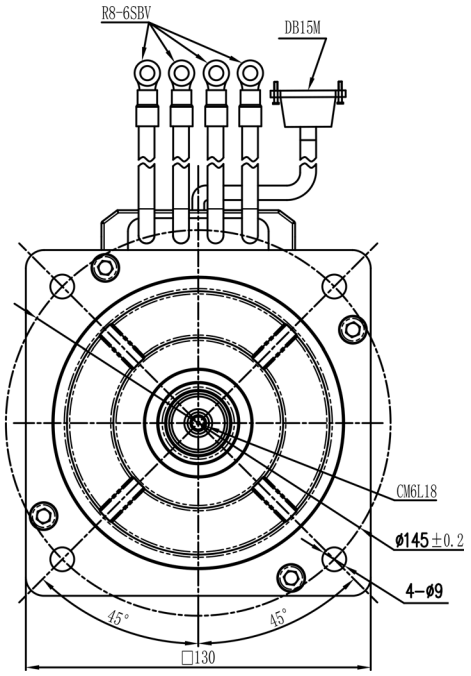
SPECIFICATIONS

Model	KNC-SRV-SMC130D-0300-20WAK-4DSH-2 KNC-SRV-SMC130D-0300-20WBK-4DSH-2
Compatible Driver	KNC-SRV-FD165S-AS-000 KNC-SRV-FD165S-ES-000
DC Link Voltage (VDC)	48
Rated Power (W)	3000
Rated Torque (oz-in)	2029
Rated Speed (RPM)	2000
Max Speed (RPM)	2500
Rated Current (A)	77.7
Maximum Torque (oz-in)	6089
Maximum Current (A)	240
Rated Standstill Torque (oz-in)	2232
Rated Standstill Current (A)	85.5
Resistance Line-Line (Ω)	0.0147
Inductance Line-Line (mH)	0.09
Electrical Time Constant (ms)	6.12
Mechanical Time Constant (ms)	2.32 2.32 (with brake)
Torque Constant Kt (oz-in/A)	28
Rotor Moment of Inertia Jm (oz-in-s^2)	0.50838 0.50838 (with brake)
Brake Holding Torque (oz-in)	2124
Pole Pair Number	4
Insulation Class	F
Maximum Radial Force F (N)	900
Maximum Axial Force F (N)	450
Weight (lbs)	26.23 31.52 (with brake)
Length of Motor (mm)	220 ± 1.5 236 ± 1.5 (with brake)

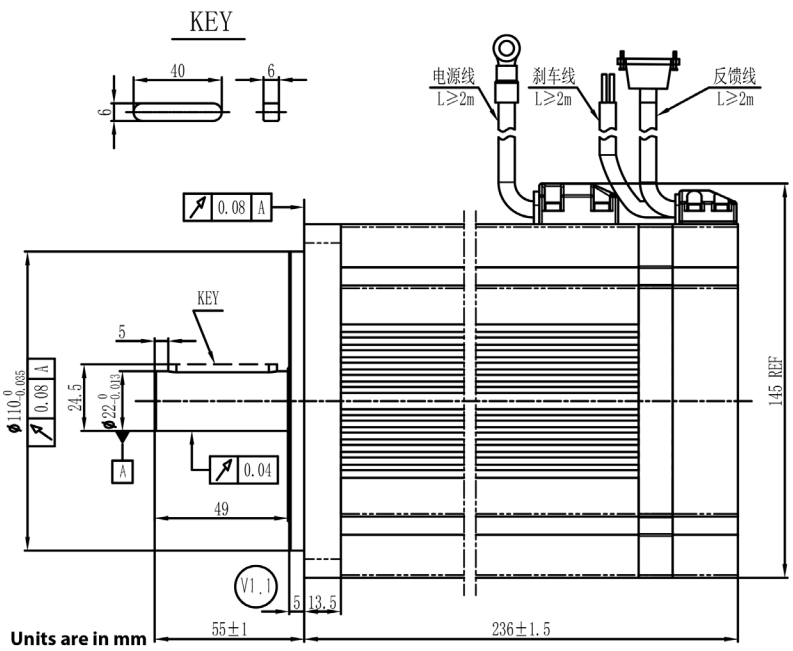
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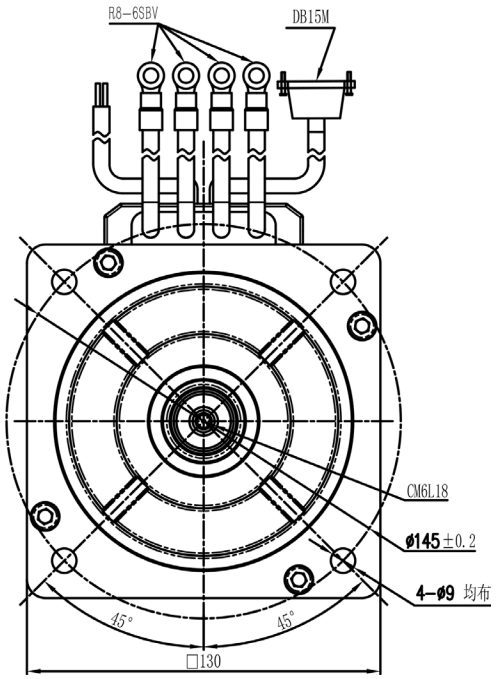
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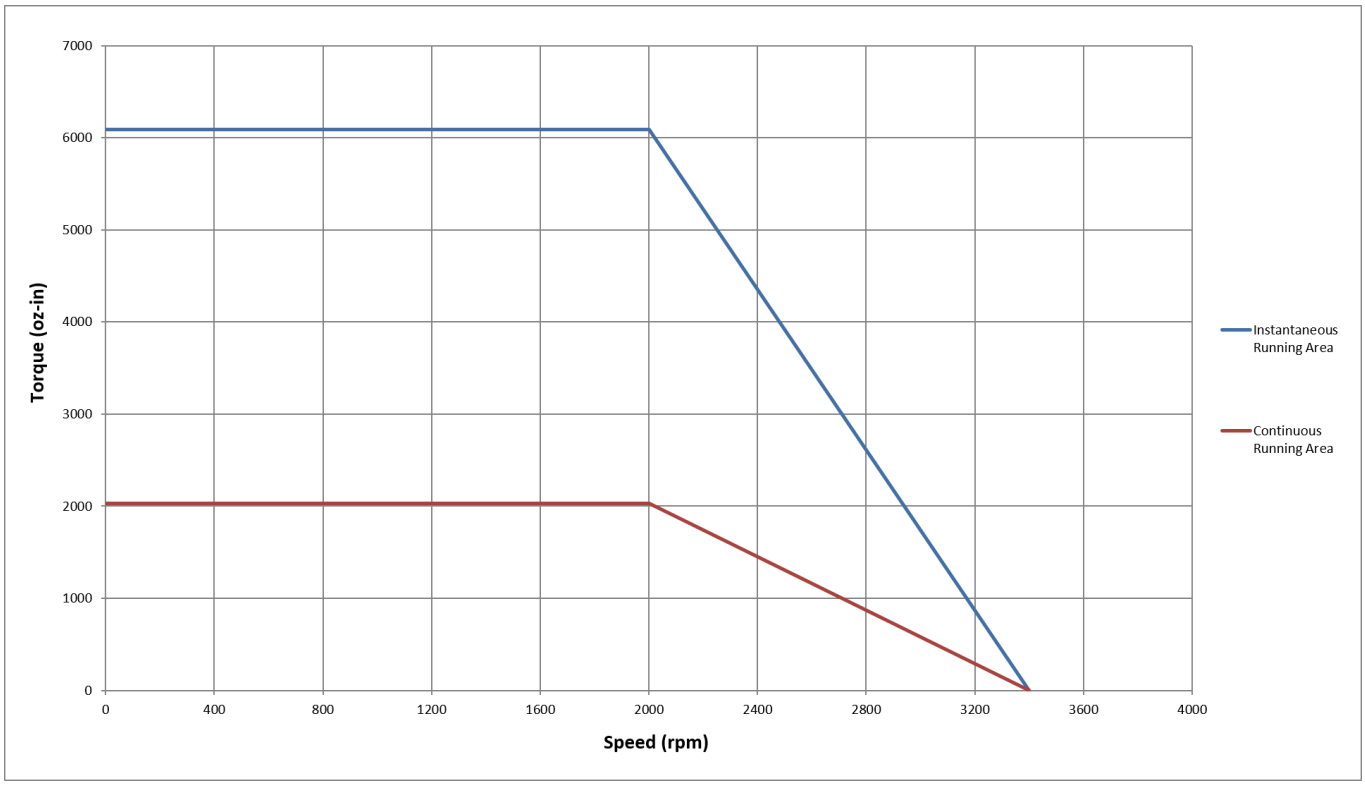




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TORQUE CURVE

KNC-SRV-SMC130D-0300-20WAK-4DSH-2 & KNC-SRV-SMC130D-0300-20WBK-4DSH-2



SPECIFICATIONS

Model	Motor Cable	Encoder Cable	Brake Cable
KNC-SRV-SMC130D-0300-20WAK-4DSH-2	-	-	-
KNC-SRV-SMC130D-0300-20WBK-4DSH-2			-

Model		KNC-SRV-SMC130D-0300-20WAK-4DSH-2 KNC-SRV-SMC130D-0300-20WBK-4DSH-2
Length of Motor L(mm)		220 ± 1.5 236 ± 1.5 (with brake)
Cooling Method		Totally Enclosed, Self-Cooling
Protection Level		IP54 & IP65
Environmental Conditions of Operation	Temperature	-20˚C~+40˚C
	Humidity	Below 90% RH (No condensation)
	Ambient Environment	Keep away from corrosion, flammable gases, oil droplets and dust
	Altitude	Maximum Altitude 2000m, From 1000 to 2000m, the power decreases by 1.5% per 100m increase.