KNC-SRV-SMC130D-0250 Servo Motor

FEATURES

- ***24-60VDC***
- ***2500W Power Rating***
- ***Rated Torque of 1127 oz-in***
- ***Maximum Speed of 4000 RPM***
- ***2500PPR Incremental Magnetic Encoder***
- ***IP54 & IP65 Protection Level***
- ***Insulation Class F***
- ***Brake Option Available***

DESCRIPTION

The SMC130D-0250 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 3383 oz-in, provide excellent dynamic response, allow for 3 times the overload capacity, and has a rated torque of 1127 oz-in. It is available in a 130mm square flange size, with a brake option.

ORDERING INFORMATION

SMC130D-0250-30WAK-4DSH-2

Flange Size (mm)	Inertia Type	Rated Power (Watts)	Rated Speed (rpm)	Encoder	Brake	Shaft Options	Voltage	Poles	Connector
130	D Medium Inertia	2500	3000	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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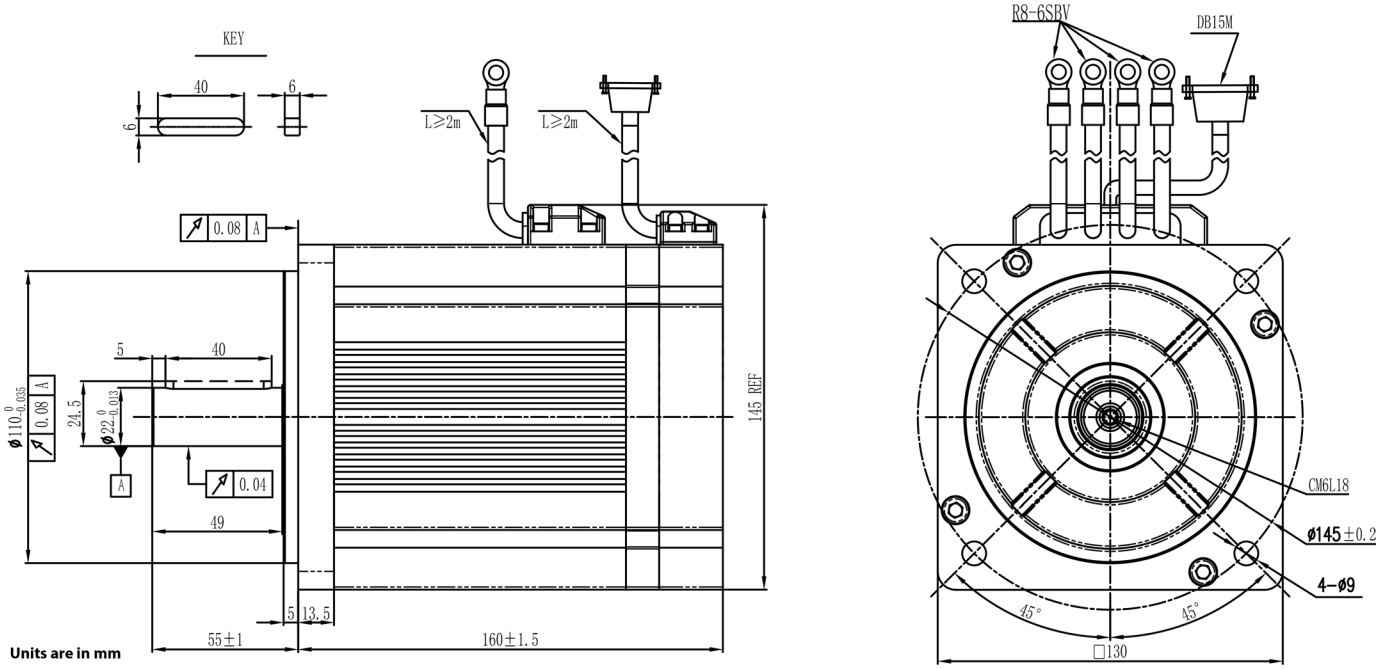
4985 E. Landon Dr. Anaheim, CA 92807 **Tel. (714) 992-6990** Fax. (714) 992-0471 **www.anaheimautomation.com**

SPECIFICATIONS

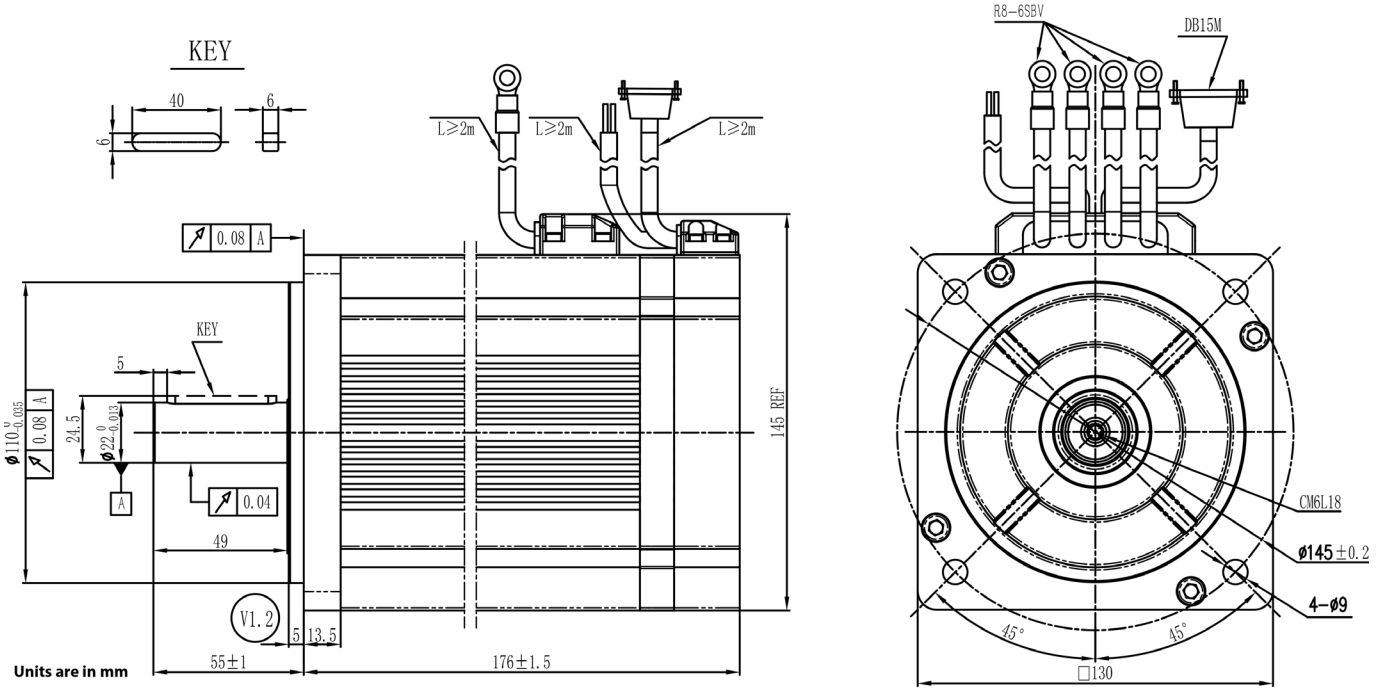
Model	KNC-SRV-SMC130D-0250-30WAK-4DSH-2 KNC-SRV-SMC130D-0250-30WBK-4DSH-2
Compatible Driver	KNC-SRV-FD165S-AS-000 KNC-SRV-FD165S-ES-000
DC Link Voltage (VDC)	48
Rated Power (W)	2500
Rated Torque (oz-in)	1127
Rated Speed (RPM)	3000
Max Speed (RPM)	4000
Rated Current (A)	61
Maximum Torque (oz-in)	3383
Maximum Current (A)	191
Rated Standstill Torque (oz-in)	1240
Rated Standstill Current (A)	67.1
Resistance Line-Line (Ω)	0.016
Inductance Line-Line (mH)	0.094
Electrical Time Constant (ms)	5.92
Mechanical Time Constant (ms)	2.37
Torque Constant Kt (oz-in/A)	20
Rotor Moment of Inertia Jm (oz-in-s^2)	0.24215 0.24215 (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)	16.75 21.16 (with brake)
Length of Motor (mm)	160 ± 1.5 176 ± 1.5 (with brake)

DIMENSIONS

KNC-SRV-SMC130D-0250-30WAK-4DSH-2



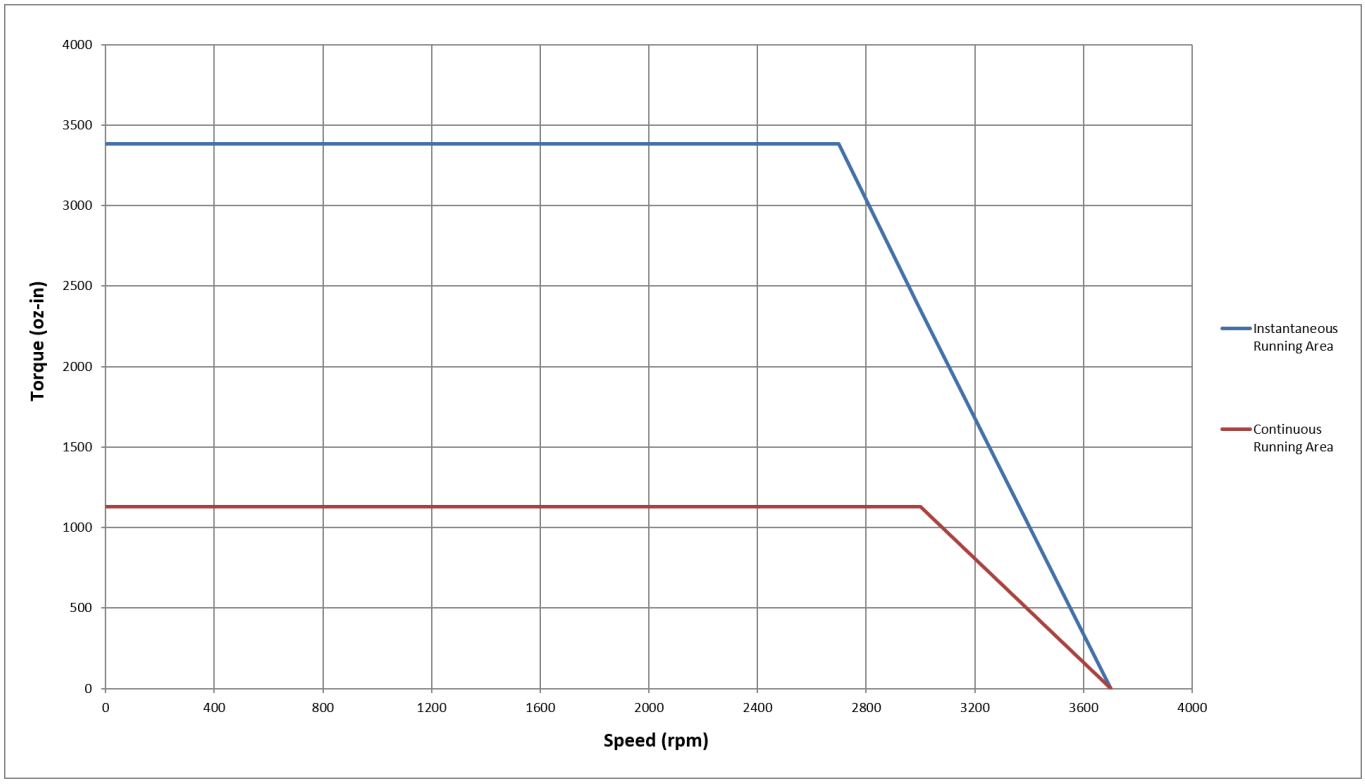
KNC-SRV-SMC130D-0250-30WBK-4DSH-2



KNC-SRV-SMC130D-0250 Servo Motor

TORQUE CURVE

KNC-SRV-SMC130D-0250-30WAK-4DSH-2 & KNC-SRV-SMC130D-0250-30WBK-4DSH-2



SPECIFICATIONS

Model	Motor Cable	Encoder Cable	Brake Cable
KNC-SRV-SMC130D-0250-30WAK-4DSH-2	-	-	-
KNC-SRV-SMC130D-0250-30WBK-4DSH-2			-

Model		KNC-SRV-SMC130D-0250-30WAK-4DSH-2 KNC-SRV-SMC130D-0250-30WBK-4DSH-2
Length of Motor L(mm)		160 ± 1.5 176 ± 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.