

42W Series - Standard Torque Stepper Motors

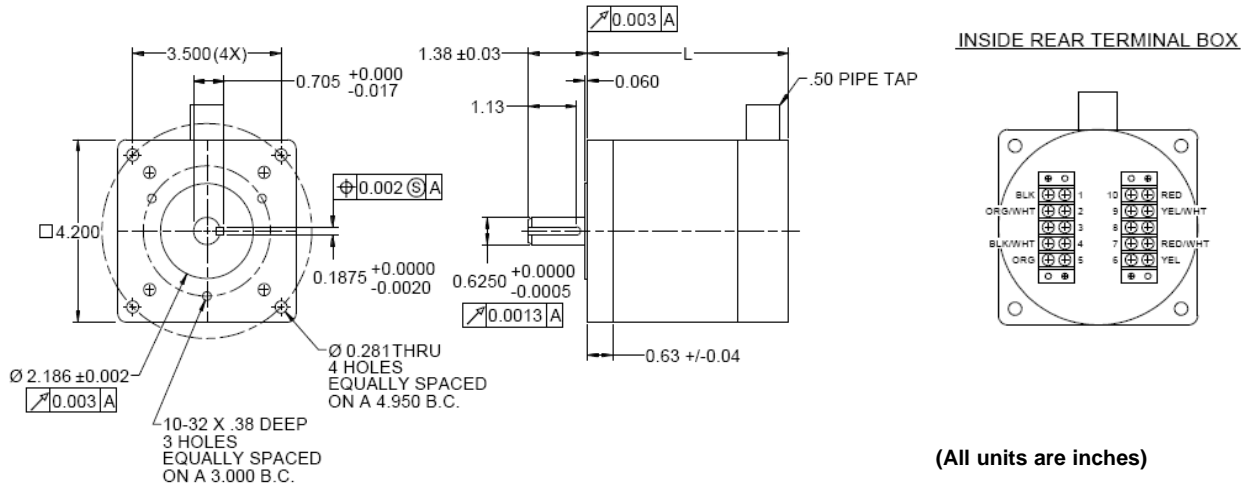


FEATURES

- **NEMA Size 42**
- **Best Selection for High Speed Applications**
- **1.8° Step Angle**
- **Torque - Up to 1500 oz-in**
- **Can be Customized for**
 - Winding Current
 - Shaft Options
 - Cables and Connectors



DIMENSIONS



SPECIFICATIONS

The 42W Series Step Motors offer a very high value for a standard (round-bodied) style step motor. They have lower rotor inertia than square high torque motors which allow them to accelerate faster and offer higher torque at speeds greater than 25 revolutions per second. These motors are an excellent choice to replace many of the round stepper motors that were popular for many years. The motor comes in a standard 8-terminal conduit box configuration with a broad line of motor windings and stack lengths available off-the-shelf. Anaheim Automation can also customize the winding to perfectly match your voltage, current, and maximum operating speed. Special shaft modifications, cables and connectors are also available upon request.

Model #	NEMA Size	Bipolar Torque (oz-in)	Unipolar Current (A)	Series RMS Current (A)	Unipolar Inductance (mH)	Rotor Inertia (oz-in-sec ²)	Shaft Diameter (in)	# of Terminals	Weight (lbs)	"L" Length (in)
42W112S-CB8	42	650	6.0	4.2	2.0	0.0538	0.625	CB	8.4	5.12
42W119S-CB8	42	650	9.5	6.7	0.9	0.0538	0.625	CB	8.4	5.12
42W212S-CB8	42	1000	6.0	4.2	6.0	0.1062	0.625	CB	16.6	7.56
42W219S-CB8	42	1000	9.5	6.7	2.0	0.1062	0.625	CB	16.6	7.56
42W225S-CB8	42	1500	12.5	8.8	1.0	0.1629	0.625	CB	25.4	7.56
42W312S-CB8	42	1500	6.0	4.2	3.2	0.1629	0.625	CB	25.4	9.45

Notes: The 7th character "S" denotes a single shaft, use "D" for double shaft. Custom leadwires, cables, connectors, and windings are available upon request. CB = Conduit Box (terminals)