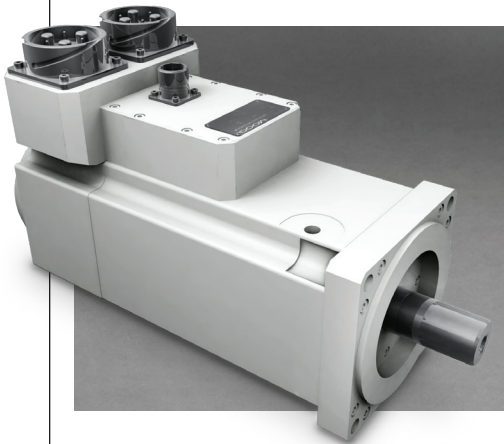


BRUSHLESS SERVO MOTOR (2-IN-1 MOTOR)



This compact brushless Servo Motor is designed to meet the special requirements of main battle tanks with 2-in-1 stator (double motor) arrangement to accommodate the high power needed. The brushless servo motor is intended to be integrated into a traverse actuator with a gearbox, brake and manual input/auxiliary drive assembly.

DESIGN FEATURES

- Brushless DC motor
- 2-in-1 double stator on one output shaft
- Resolver or encoder feedback for commutation, speed and position control
- MIL-STD electrical connectors (two for power and one for feedback signals)
- MIL-STD 810E and MIL-STD 461E compliant



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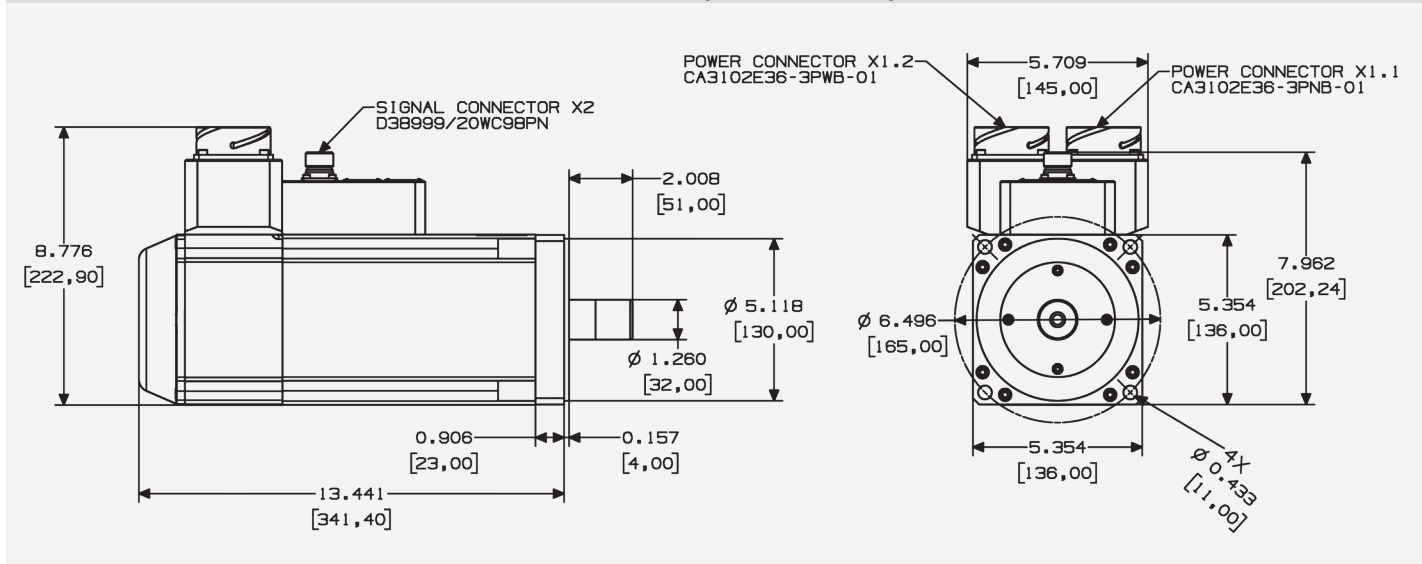
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BRUSHLESS SERVO MOTOR (2-IN-1 MOTOR)

SPECIFICATIONS

Main Motor	Unit	Motor 1 of 2	Motor 2 of 2
Torque constant	Nm/Arms	0.078	0.078
Maximum motor current	Arms Apk	565 800	565 800
Maximum motor torque	Nm	38.2	38.2
		76.4	
Maximum motor power	W	8300	8300
		16600	
Nominal motor current	Arms	173	173
Nominal motor torque	Nm	13.6	13.6
Nominal motor power	W	4100	4100
		8200	
Nominal motor speed	rpm	2900	2900
No-load speed @ 24VDC	rpm	3150	3150
Motor feedback sensor	—	Resolver or Encoder	

DIMENSIONS (MILLIMETERS)



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