

SM23405D		
Continuous Torque	4.88	in-lb
	78	oz-in
	0.55	N-m
Peak Torque	8.04	in-lb
	129	oz-in
	0.91	N-m
Nominal Continuous Power	253	Watt
No Load Speed	5,300	RPM
Max. Continuous Current* @ 4500 RPM	6.76	Amps
Peak Power @ 4000 RPM	345	Watts
Voltage Constant	9.612	V/kRPM
Inductance	0.49	mH
Encoder Resolution	4,000	Counts/Rev
Rotor Inertia	0.00439	oz-in-sec <sup>2</sup>
	3.100	10 <sup>-5</sup> Kg-m <sup>2</sup>
Weight	2.8	lb
	1.27	kg
Shaft Diameter	0.250	in
	6.35	mm
Shaft, Radial Load	7	lb
	3.18	kg
Shaft, Axial Thrust Load	3	lb
	1.36	kg
DeviceNet Available	Yes	
PROFIBUS Available		
CANopen Available	Yes	

\*Default voltage is 48V. See graphs for additional voltages.



Operating temperature range: 0°C–85°C

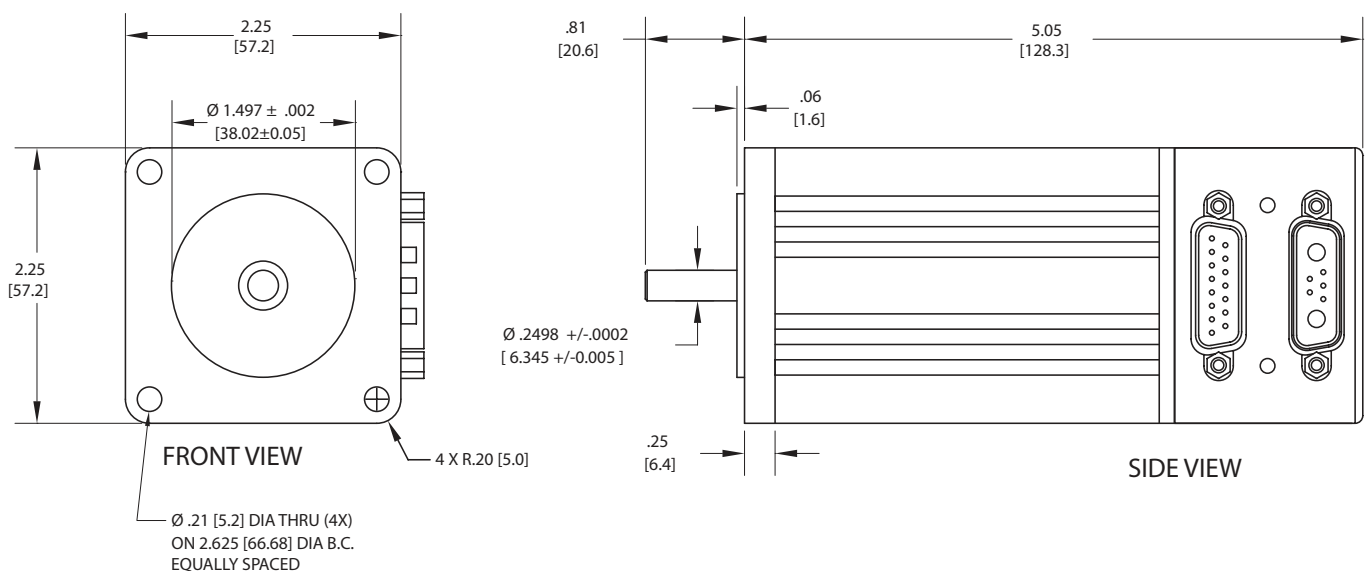
Storage temperature range: -10°C–85°C, noncondensing

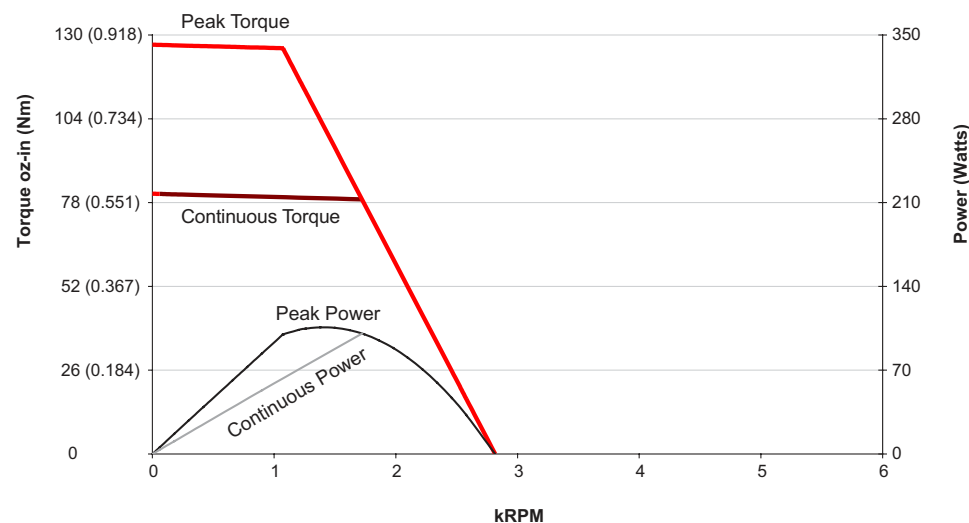
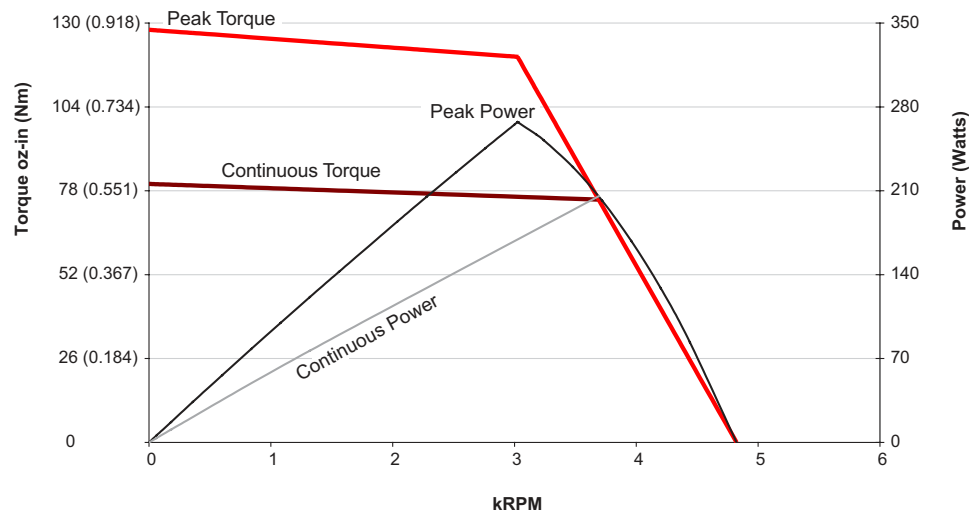
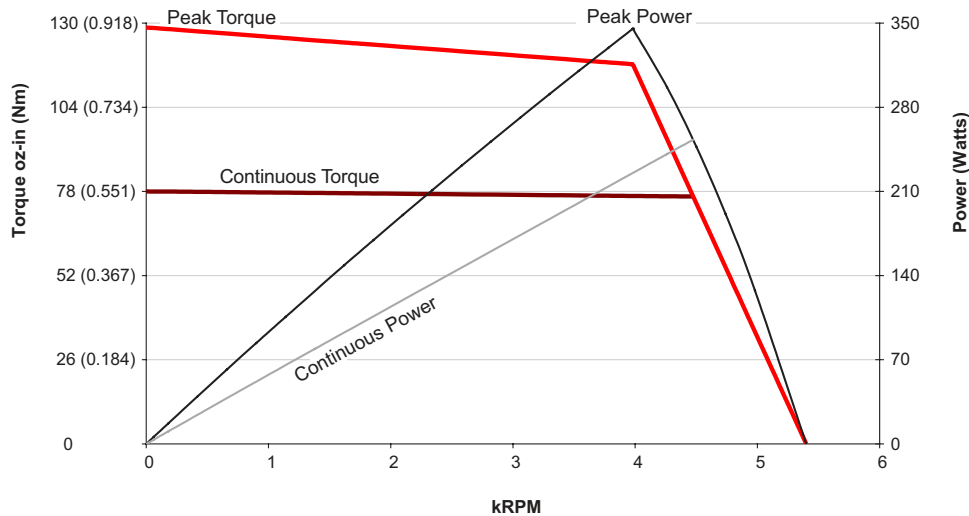
**NOTE:** Motor specifications are subject to changes without notice. Consult website and factory for latest data.



## Moog Animatics SmartMotor SM23405D (No Options) CAD Drawing

in [mm]





All torque curves based on 25°C ambient.

Motors were operated using MDT (Trapezoidal Drive Mode) Commutation.

For ambient temperatures above 25°C, Continuous Torque must be linearly derated to 0% at 85°C.