

SM23375D	
Continuous Torque	2.86 in-lb
	46 oz-in
	0.32 N-m
Peak Torque	5.00 in-lb
	80 oz-in
	0.57 N-m
Nominal Continuous Power	191 Watt
No Load Speed	8,000 RPM
Max. Continuous Current* @ 6000 RPM	5.072 Amps
Peak Power @ 4750 RPM	220 Watts
Voltage Constant	5.62 V/kRPM
Inductance	0.770 mH
Encoder Resolution	4,000 Counts/Rev
Rotor Inertia	0.0019 oz-in-sec <sup>2</sup>
	1.342 10 <sup>-5</sup> Kg-m <sup>2</sup>
Weight	2.1 lb
	0.95 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.



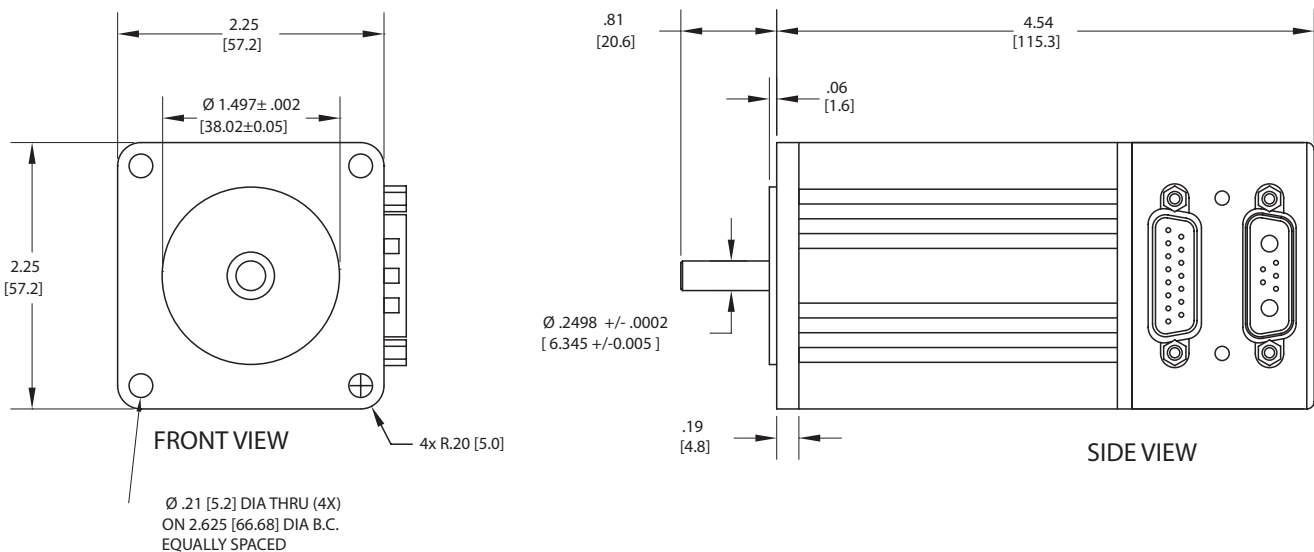
Operating temperature range: 0°C–85°C  
Storage temperature range: -10°C–85°C, noncondensing

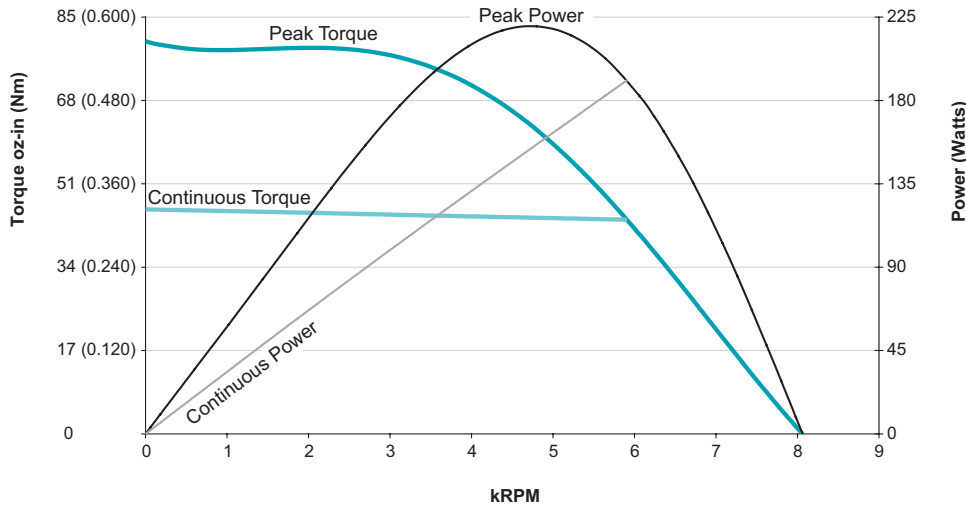
**NOTE:** Motor specifications are subject to changes without notice. Consult website and factory for latest data.



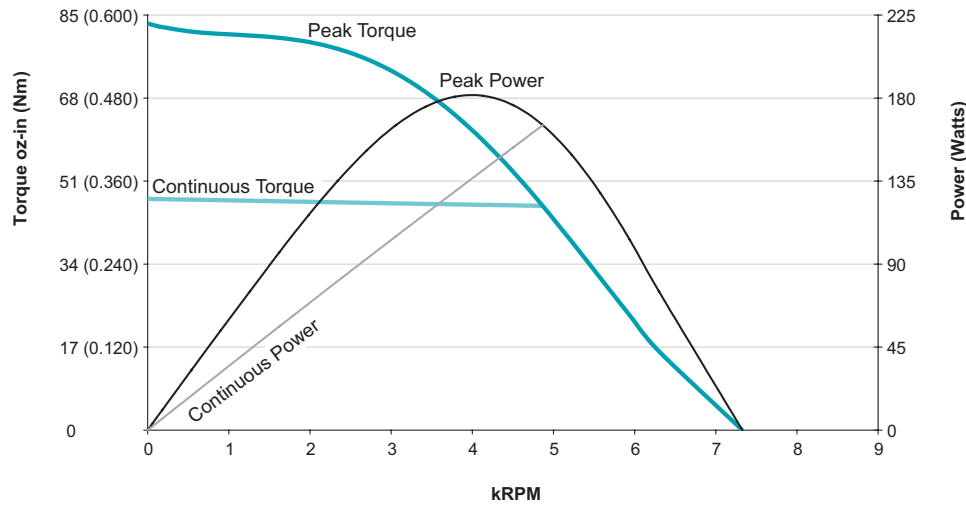
## Moog Animatics SmartMotor SM23375D (No Options) CAD Drawing

in [mm]

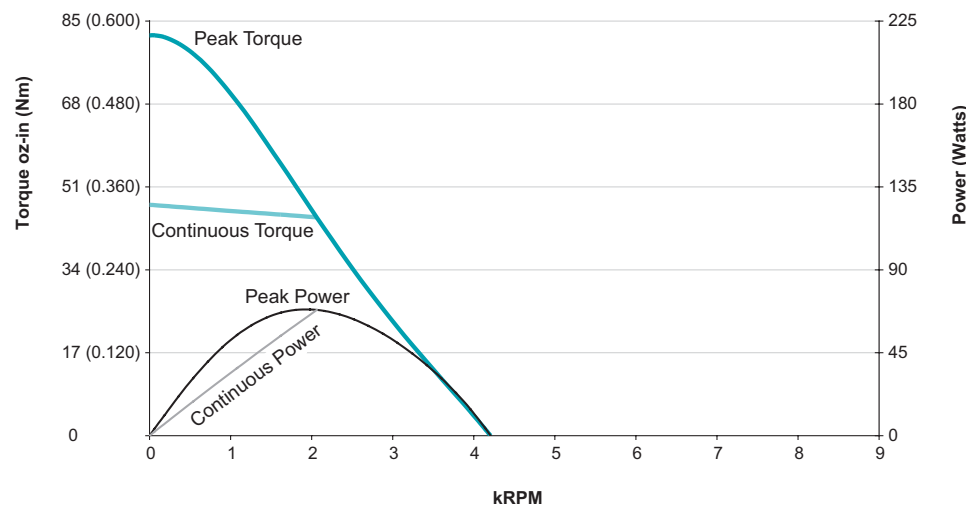




**SM23375D  
at 48 VDC  
at rise to 85°C**



**SM23375D  
at 42 VDC  
at rise to 85°C**



**SM23375D  
at 24 VDC  
at rise to 85°C**

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.