

SM23375DT	
Continuous Torque	5.18 in-lb
	83 oz-in
	0.59 N-m
Peak Torque	9.80 in-lb
	157 oz-in
	1.11 N-m
Nominal Continuous Power	186 Watt
No Load Speed	4,000 RPM
Max. Continuous Current* @ 3250 RPM	4.52 Amps
Peak Power @ 2450 RPM	235 Watts
Voltage Constant	10.95 V/kRPM
Inductance	0.906 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	2.2 lb
	0.98 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.



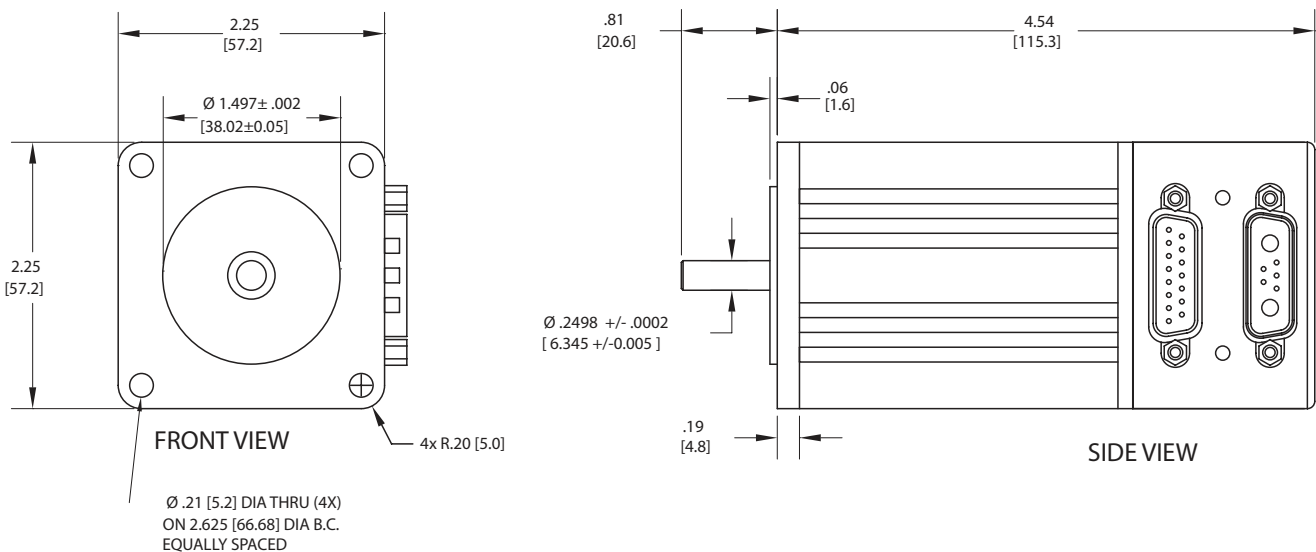
Operating temperature range: 0°C–85°C  
Storage temperature range: -10°C–85°C, noncondensing

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

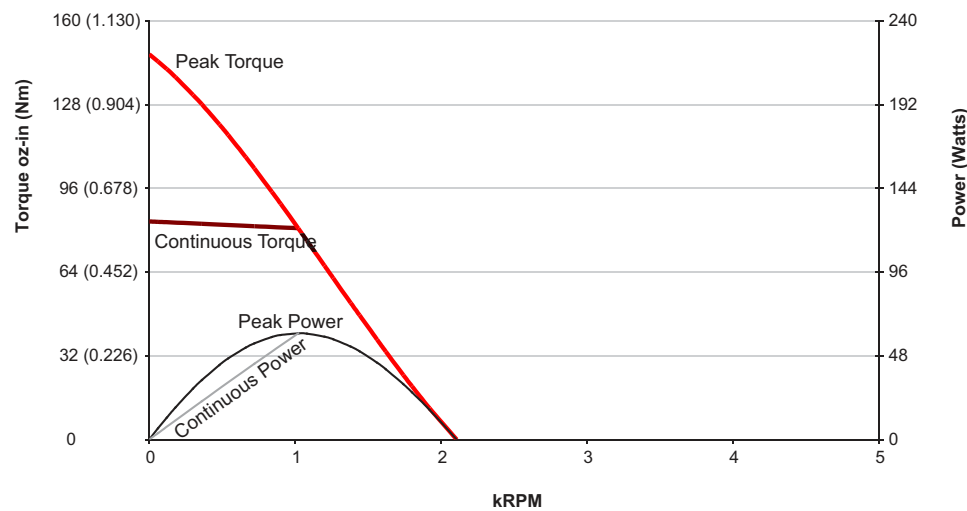
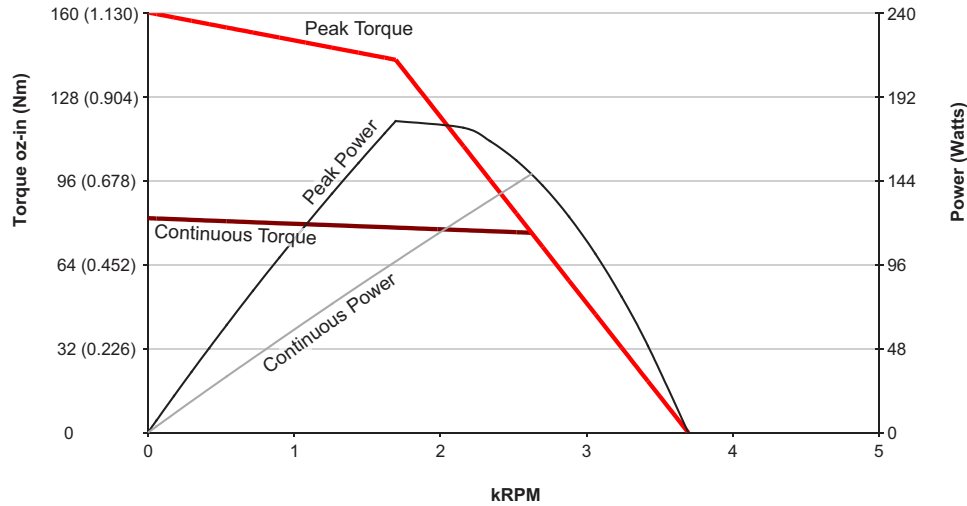
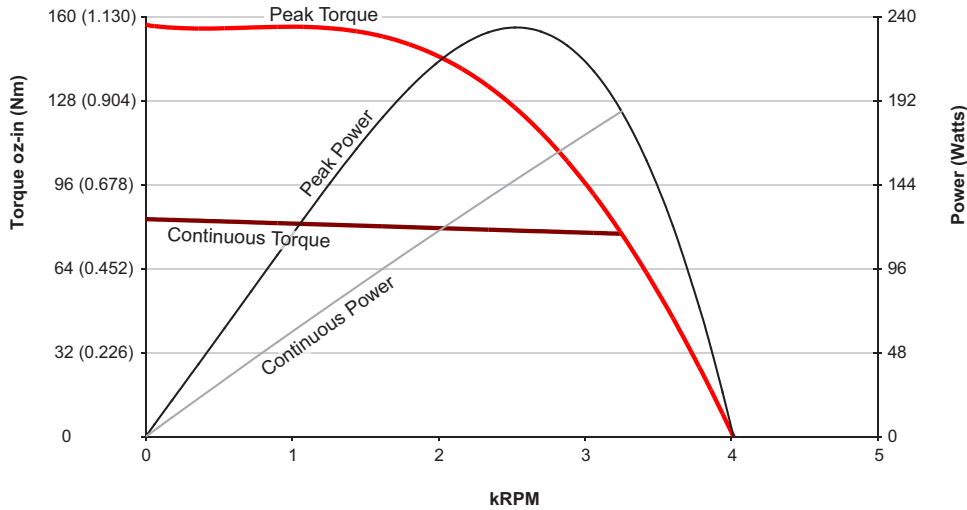


## Moog Animatics SmartMotor SM23375DT (No Options) CAD Drawing

in [mm]



OVERVIEW  
SOFTWARE  
D-STYLE MOTORS  
D-STYLE CONNECTIVITY  
PERIPHERALS  
M-STYLE MOTORS  
M-STYLE CONNECTIVITY  
LINEAR SYSTEMS  
POWER SUPPLIES & SHUNTS  
GEAR HEADS  
APPENDIX



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.