

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 ²
	1.342 10 ⁻⁵ Kg-m ²
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

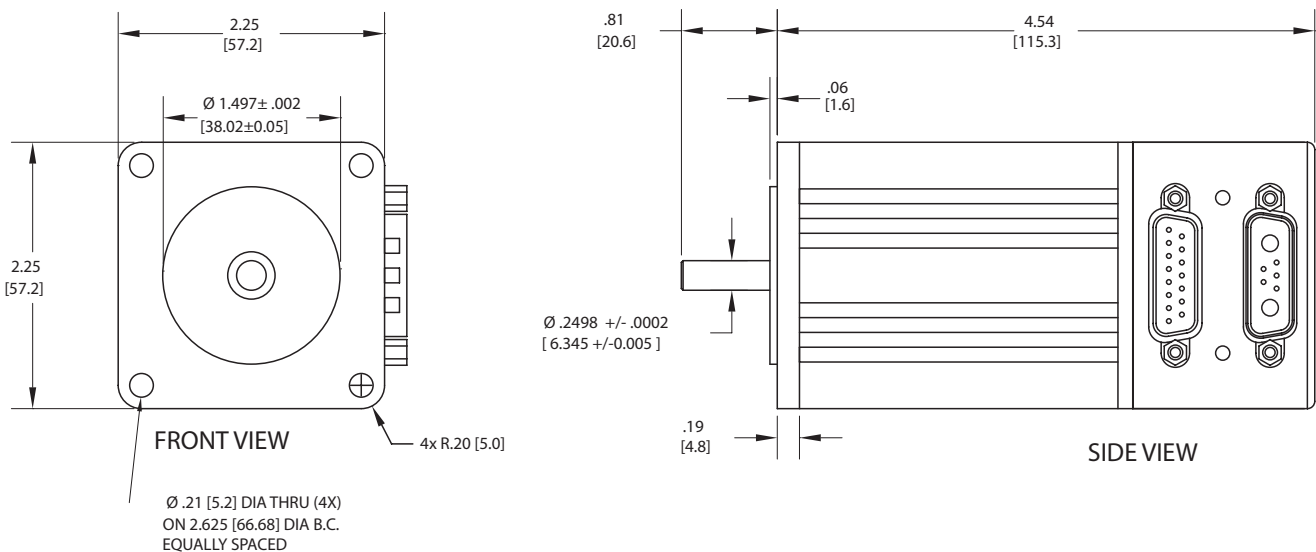
Storage temperature range: -10°C–85°C, noncondensing

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

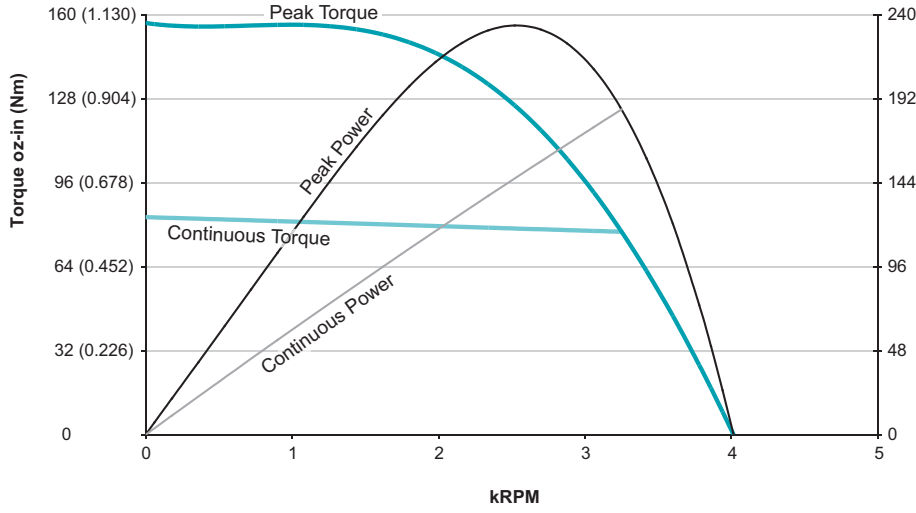


Moog Animatics SmartMotor SM23375DT (No Options) CAD Drawing

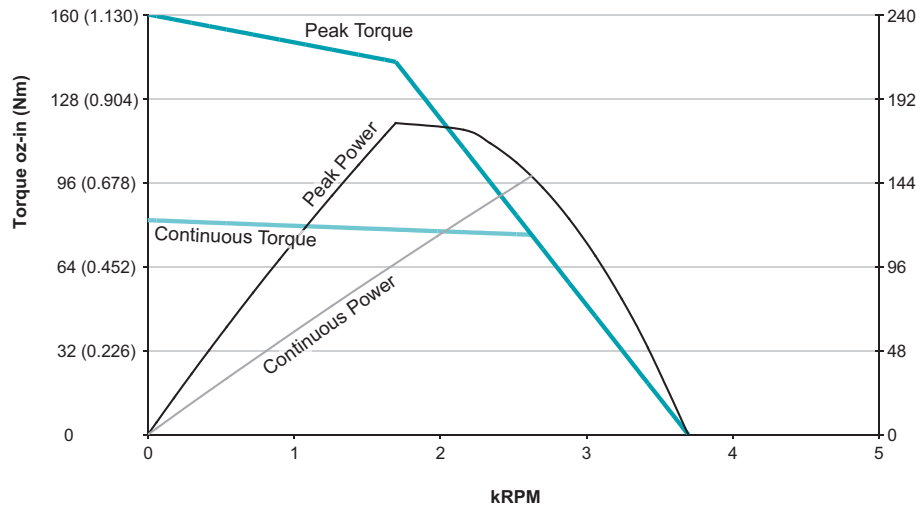
in [mm]



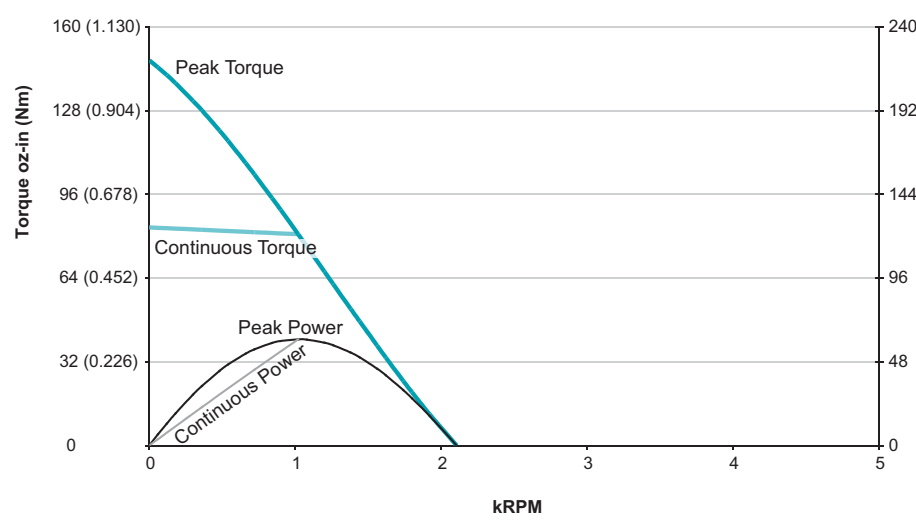
- APPENDIX
- GEAR HEADS
- POWER SUPPLIES & SHUNTS
- LINEAR SYSTEMS
- M-STYLE CONNECTIVITY
- M-STYLE MOTORS
- PERIPHERALS
- D-STYLE CONNECTIVITY
- D-STYLE MOTORS
- SOFTWARE
- OVERVIEW



**SM23375DT
at 48 VDC
at rise to 85°C**



**SM23375DT
at 42 VDC
at rise to 85°C**



**SM23375DT
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.