

| 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

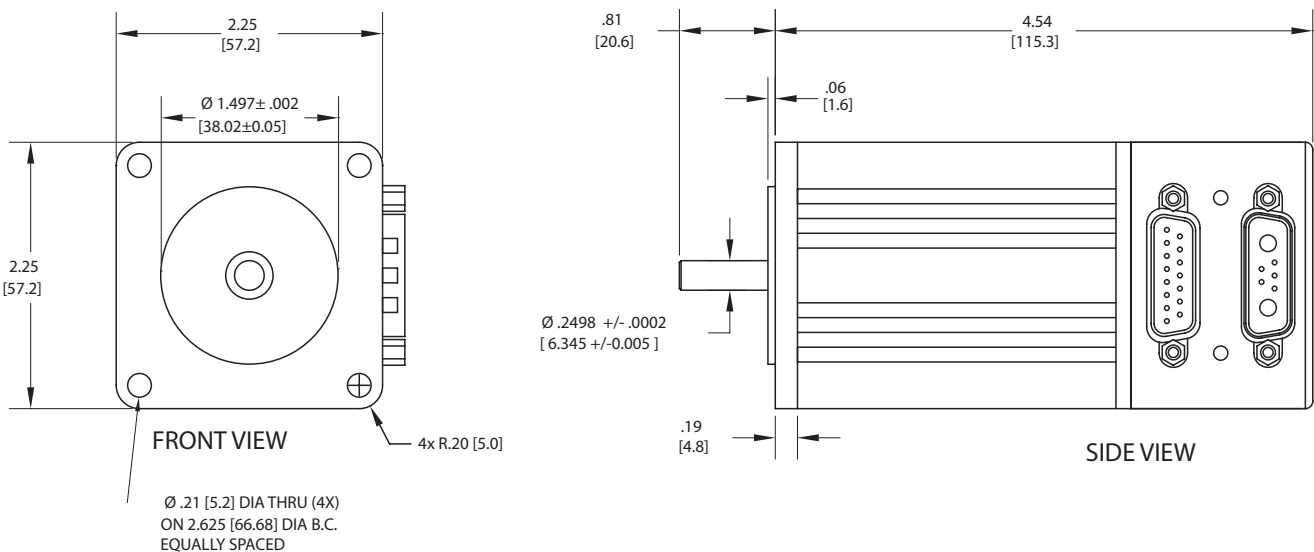
Storage temperature range: -10°C–85°C, noncondensing

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

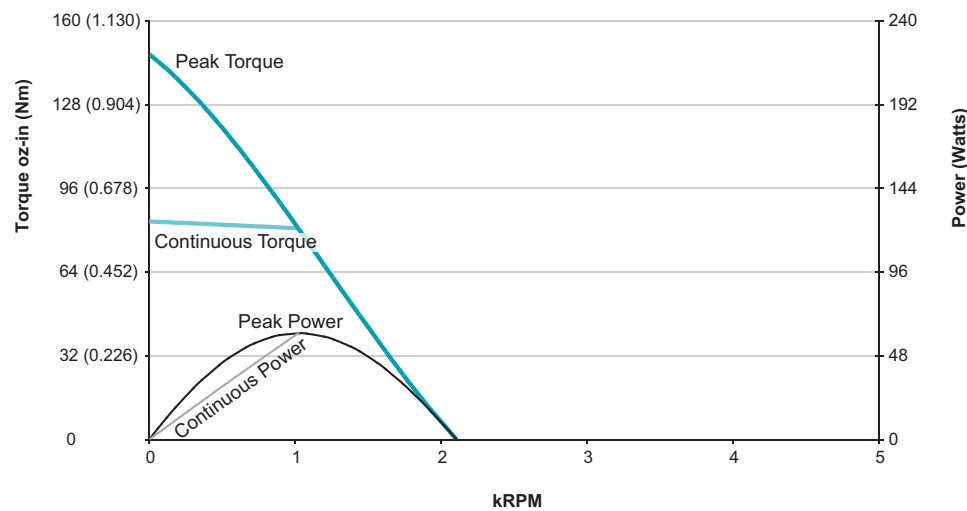
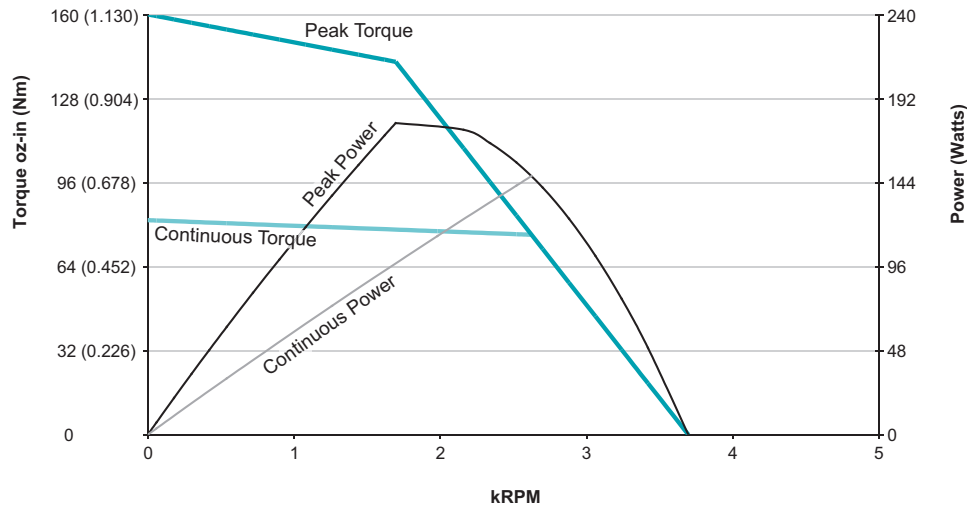
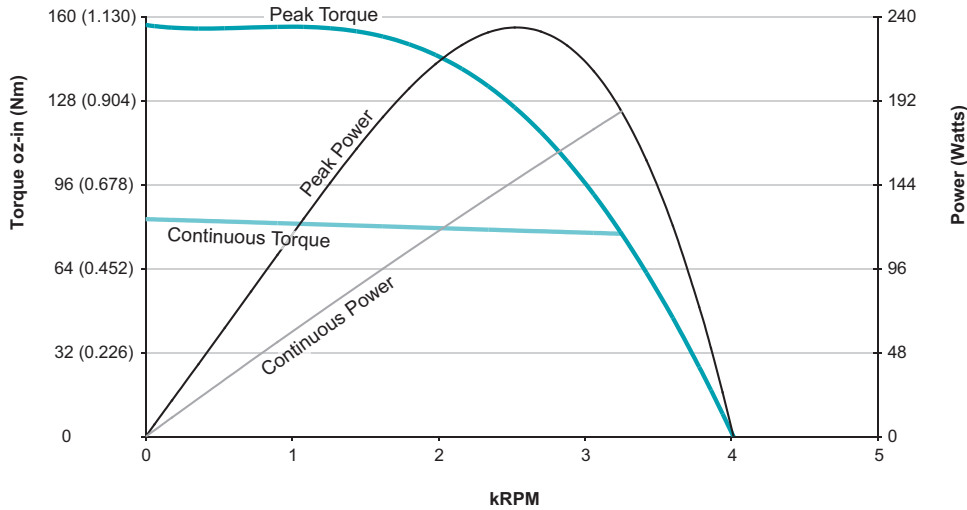


Moog Animatics SmartMotor SM23375DT (No Options) CAD Drawing

in [mm]



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.