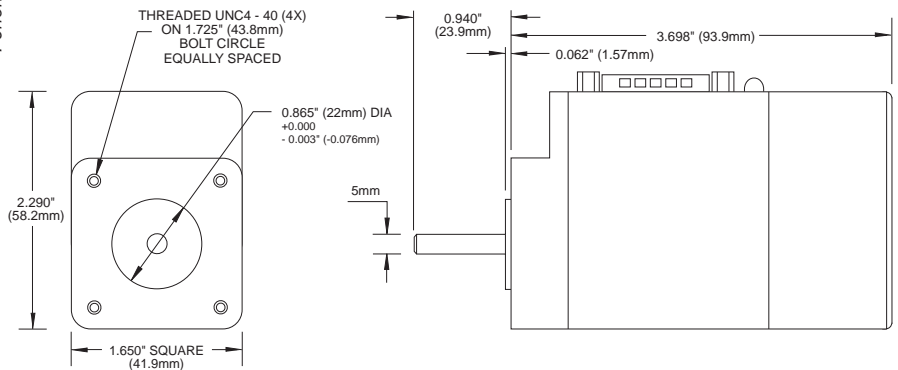
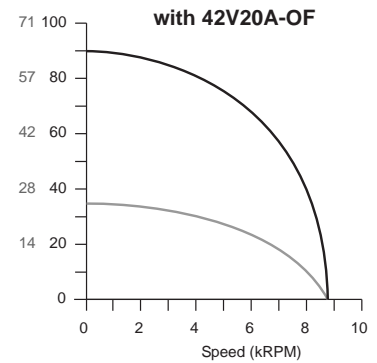
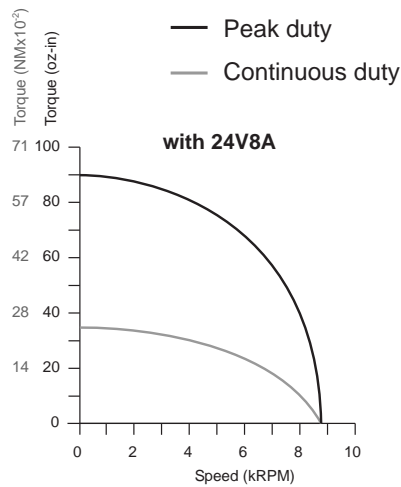


Peak Torque ²	T _p	oz-in (N-m)	90 0.64
Continuous Torque ²	T _c	oz-in (N-m)	35 0.25
Voltage Constant	K _v	V/kRPM	5.5
No Load Speed	S _{nl}	RPM	8,700
Torque Constant	K _t	oz-in/amp (N-m/amp)	7.57 0.054
Rotor Inertia	J _m	oz-in-sec ² (kg.m ²)	0.000255 1.8x10 ⁻⁶
Winding Resistance		Ohms	1.8
Weight	W _t	lbs (kg)	1.21 0.549
Number of Poles			4
Number of Slots			15
Length		inches (mm)	3.7 94
Width		inches (mm)	1.65 41.9
Nominal Continuous Power		hp (kW)	0.15 0.11
Default Thermal Limit		°F °C	158 70
Encoder Resolution		post-quad counts/rev	2,000
Input Voltage		VDC	24 to 48
IP Rating			IP40
Operating Temperat.		°C	0 to 70
Humidity (non condensing)		%	0 to 80
Storage Temperature		°C	0 to 70



Performance spec based on PS42V20A-OF



Notes:

1. Custom windings are available on select SmartMotors. These special windings allow SmartMotors™ to achieve higher speeds or greater torque. Please consult factory for specific details.
2. Custom shaft lengths and diameters are available on select SmartMotors. Flats and keyways are common options found on motor shafts. SmartMotors can be purchased with various versions of these shaft modifications. Please consult factory for available shaft options.
3. Torque vs. Speed curve data is derived under dynamometer testing using a 48 VDC battery supply at an ambient temperature of 27°C.
4. Connector kits and cable options found on pg.36,40.



SmartMotor™ servos
have CE certification

