



SM3416DT-PLS2

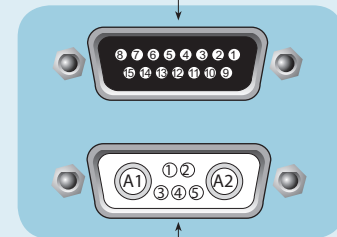
**New Higher Torque & Higher Speed
in the same Compact Form Factor**
>600 Watts continuous Power at 4500RPM
>900 Watts peak!

SmartMotor™ Series	SM3416DT-PLS2	
Continuous Torque @ 48V	12.83	in-lb
	205	oz-in
	1.45	N-m
Peak Torque	30.00	in-lb
	480	oz-in
	3.39	N-m
Nominal Continuous Power	615	Watt
	0.62	kW
	0.82	HP
No Load Speed	5,100	RPM
Continuous Current @ Nominal Power	15.5	Amps
Voltage Constant	8.9	V/kRPM
Winding Resistance	0.06	ohms
Encoder Resolution	8000	Counts/Rev
Rotor Inertia	0.0142	oz-in-sec ²
	10.031	10 ⁻⁵ kg-m ²
Weight	5.5	lbs
	2.49	kg
Shaft Diameter	0.50	in
	12.70	mm
Shaft, Radial Load	30	lb
	13.61	kg
Shaft, Axial Thrust Load	3	lb
	1.36	kg
EtherNet Available	✓	
DeviceNet Available		
ProfiBus Available	✓	
CanOpen Available		

Double D-sub Connectors

7 Pin Combo D-sub Power and I/O

15 Pin D-sub I/O

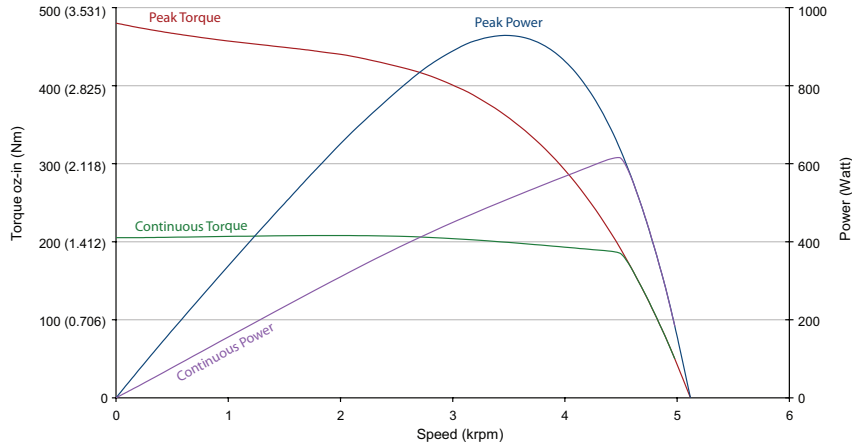
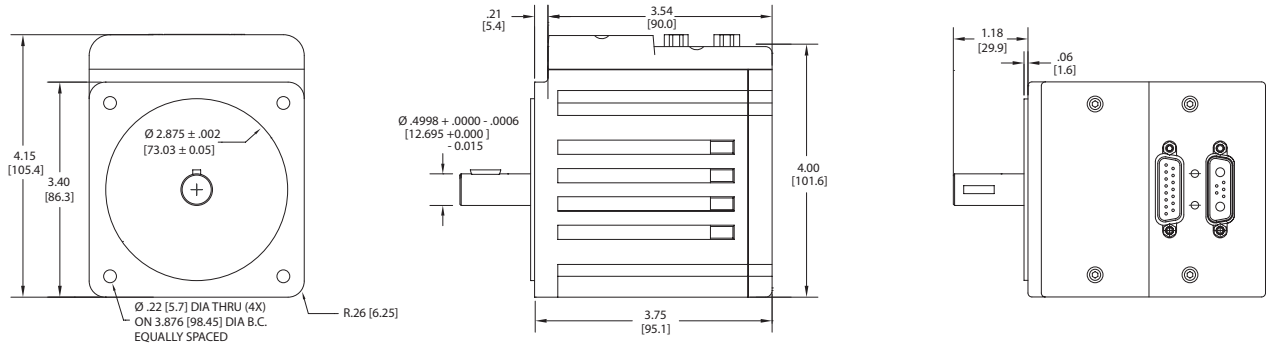


7 Pin Combo D-sub Power and I/O

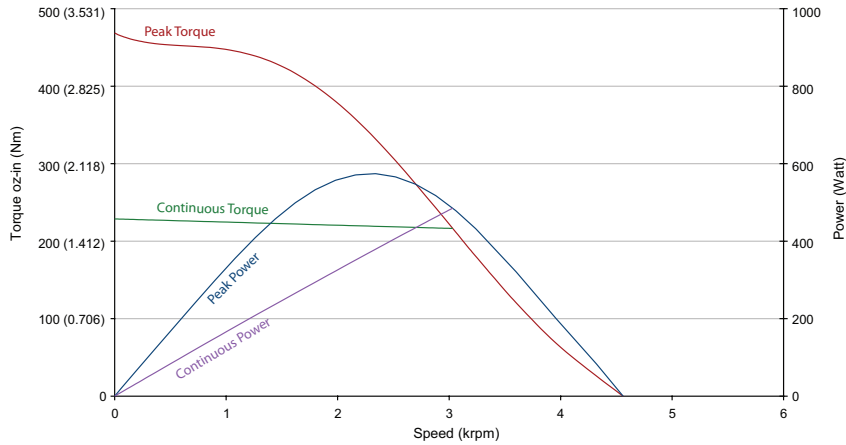
7 Pin Combo D-Sub Power and I/O: 15 Pin D-Sub I/O:

A1	+20V to +48V DC	1	I/O A
A2	Power Ground	2	I/O B
1	Sync or I/O G	3	I/O C
2	+5V Out	4	I/O D
3	RS232 Transmit	5	I/O E
4	RS232 Receive	6	I/O F
5	Ground	7	I/O G
		8	Encoder A Out
		9	Encoder B Out
		10	RS232 Transmit
		11	RS232 Receive
		12	+5V Out
		13	Ground
		14	Power Ground
		15	Power

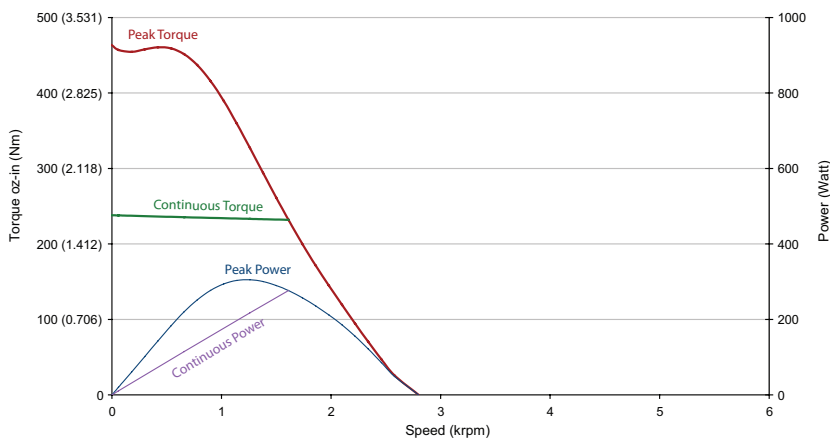
Features also include : High Speed Position Capture and Advanced Torque Over-Shoot Braking
Options include : Ethernet, ProfiBus, Fail Safe Brake, and Internal Shunt



**SM34I6DT-PLS2
at 48 VDC
at rise to 85°C**



**SM34I6DT-PLS2
at 42 VDC
at rise to 85°C**



**SM34I6DT-PLS2
at 24 VDC
at rise to 85°C**

All torque curves were derived under dynamometer testing at an ambient temperature of 25°C with a heat rise of level shown for continuous curves. These are maximum values obtained for dyno tested torques as shown in the catalog which can be found at www.animatics.com.