servida
Motion Control Products

SV3416DT-PLS2

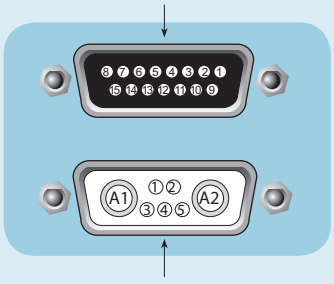
New Higher Torque & Higher Speed in the same Compact Form Factor >600 Watts continuous Power at 4500RPM >900 Watts peak!

Servida Motor Series	SV3416DT-PLS2	
Continuous Torque @ 48V	205 1.45	ioz-in N-m
Peak Torque	3.39	N-m
Nominal Continuous Power	615 0.62	Watt kW
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	10.031	10^{-5} kg-m^2
Weight	2.49	kg
Shaft Diameter	12.70	mm
Shaft, Radial Load	13.61	kg
Shaft, Axial Thrust Load	1.36	kg
EtherNet Available	✓	
DeviceNet Available		
ProfiBus Available	✓	
CanOpen Available		

Double D-sub Connectors

7 Pin Combo D-subPower 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:

A1	+20V to +48V DC
A2	Power Ground
1	Sync or I/O G
2	+5V Out
3	RS232 Transmit
4	RS232 Receive
5	Ground

15 Pin D-Sub I/O:

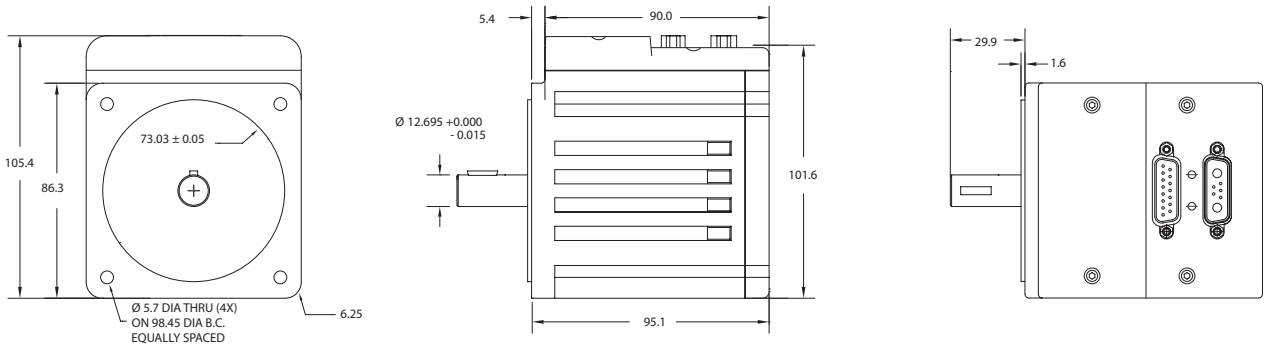
1	I/O A
2	I/O B
3	I/O C
4	I/O D
5	I/O E
6	I/O F
7	I/O G
8	Encoder A Out
9	Encoder B Out
10	RS232 Transmit
11	RS232 Receive
12	+5V Out
13	Ground
14	Power Ground
15	Power

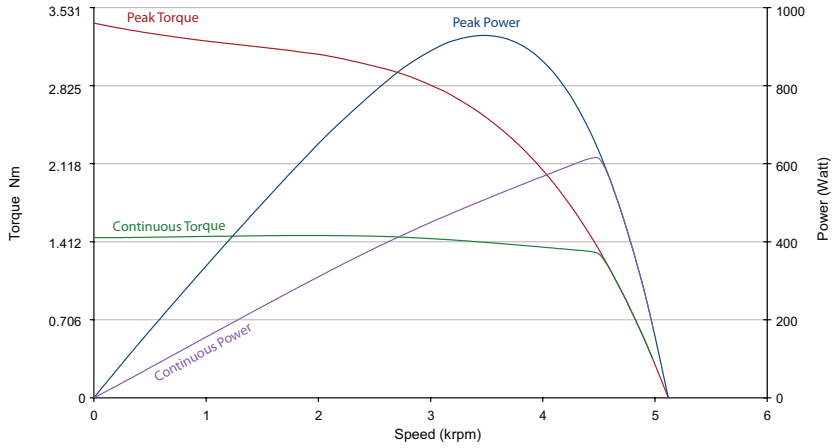
Features also include : High Speed Position Capture and Advanced Torque Over-Shoot Braking
Options include : Ethernet, ProfiBus, Fail Safe Brake, and Internal Shunt

Consult Factory or your nearest Automation Solution Provider (ASP) for Manual, Software and Accessories.

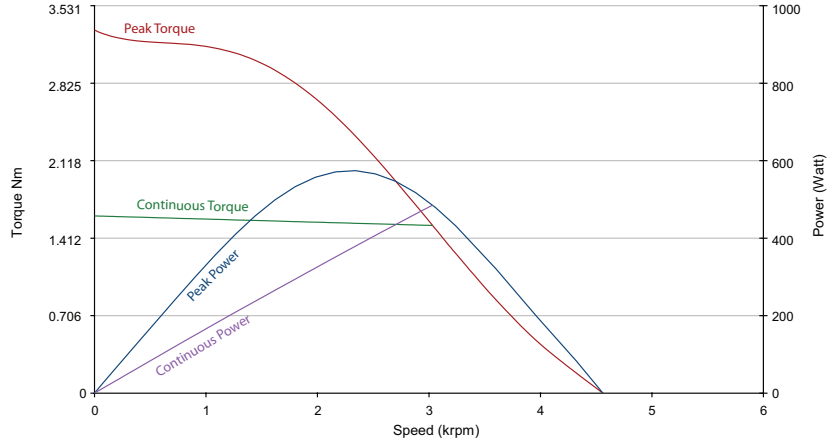
www.sevida.com · tel: +1 408.748.8721 · fax: +1 408.748.8725

Servida Motor™ SV3416DT-PLS2

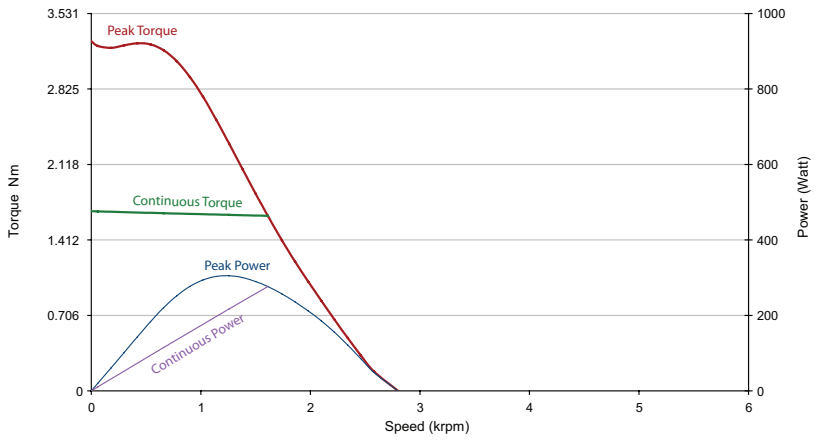




SV3416DT-PLS2
at 48 VDC
at rise to 85°C



SV3416DT-PLS2
at 42 VDC
at rise to 85°C



SV3416DT-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.