

Motenergy ME1803 Specifications

Inductance (@1000Hz): 39~43.5 μ H

Winding Resistance: 5.06~5.28 m Ω

Sensor Type: Sine-Cosine

Number of poles: 10, (5 pole pairs)

Magnets: Surface Mounted on Rotor

Magnet Peak Temperature: 180 $^{\circ}$ C

Hermeticity: IP65 rated

Continuous Current: 150 amps

Maximum Current: 400 amps for 2 minutes

Rated Power: 8.1 kw (S1 duty)

Rated Speed 5000 rpm

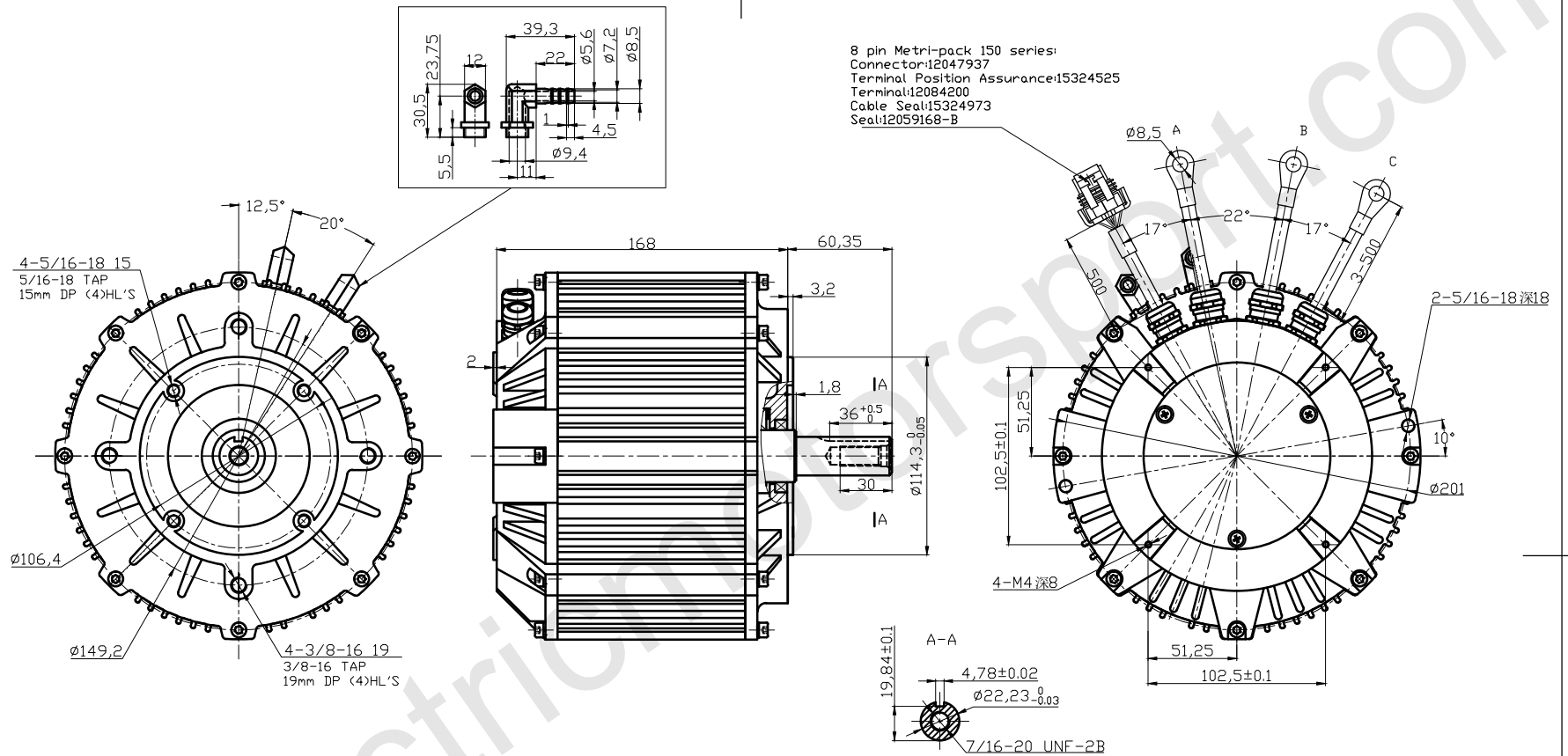
Continuous Torque: 19.2 Nm

Peak Torque: 56 Nm

Temperature Sensor in Windings: KTY84-130

Bearings: Front 6206, rear 6203

Weight: 20.5 lbs (9.3 kg)



MODEL	POWER(W)	VOLTAGE(V.DC)	TORQUE (N.m)	LOADED SPEED(RPM)	DUTY	IP CODE
ME1803	10,000	72	19.2	5000	S1	IP65

1. sine/cosine encoder

PIN LOCATION	WIRE DESIGNATION	WIRE COLOR
A	Cosine	WHITE
B	Sine	BLUE
C	Ground (0)	BLACK
D	N/C	
E	V _{cc} (+5V)	RED
F	Shield	GREEN
G	Temp1	YELLOW (-)
H	Temp2	YELLOW (+)

Motenergy, LLC				ME1803	
				OUTLINE	
M				0JWT.303.554	
				12.12.19	

60 VDC Input Plot – ME1803

