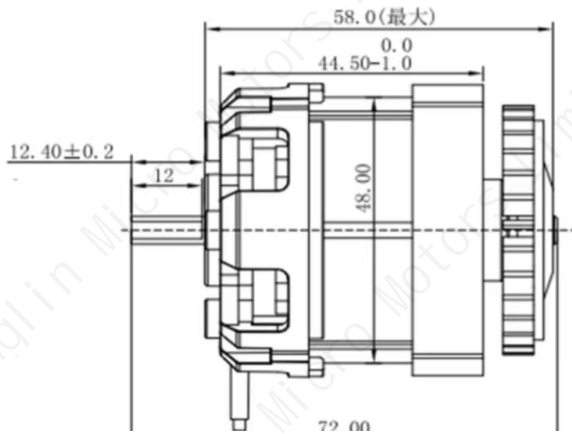
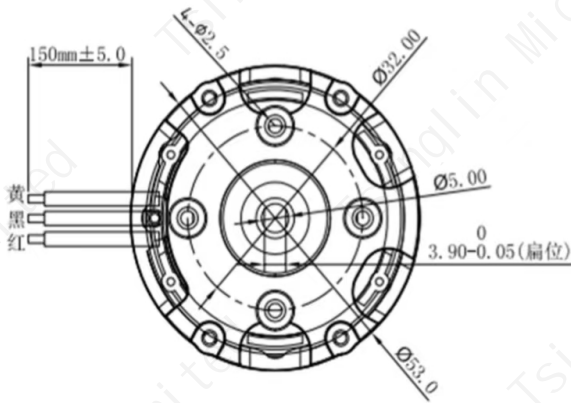
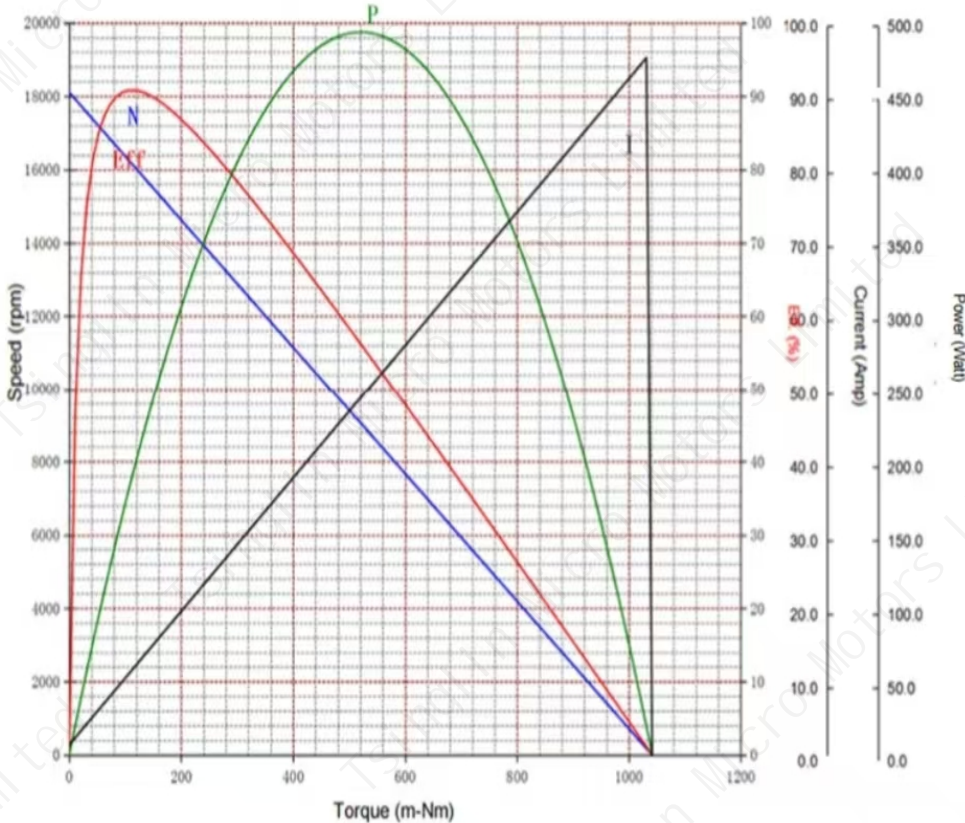


TSL-BLDC-4820 Specifications



SOF NO. :
 Proposal No:
 Winding :
 Motor test reference no: Test

Date : 2022-12-27



Performance (In an ambient temperature of 25 -30 C)		
Motor tested rapidly to prevent significant temperature rise.		
At a constant voltage of	18.00	Volts
With a circuit resistance	0.092	Ohms
AT No Load		
Speed :	18100 Rpm	
Current:	1.400 Amp	
At stall (Extrapolated)		
Torque :	1041.601 m-Nm	
Current:	96.171 Amp	
At maximum efficiency		
Efficiency :	90.81 %	
Torque :	112.143 m-Nm	
Speed :	16151 Rpm	
Current :	11.603 Amp	
Output :	189.674 Watts	
At maximum power		
Torque :	520.801 m-Nm	
Speed :	9050 Rpm	
Current :	48.785 Amp	
Output :	493.570 Watts	
Characteristics		
Torque Constant :	10.991 m-Nm/Amp	
E.M.F Constant :	10.991 mV/rad/sec	
Dy. Resistance :	0.187 Ohms	
Motor Regulation:	17.377 Rpm/m-Nm	
Calculation		
At Torque Level:	200.000 m-Nm	
Speed :	14624.6 Rpm	
Current :	19.597 Amp	
Efficiency :	86.83 %	
Output :	306.297 Watts	
COMPUTER PRINT-OUT NOMINAL MOTOR CURVES. P00/100@2000 200 01 20 40 60 80 100 120		

TSL-BLDC-4820 With Controller

