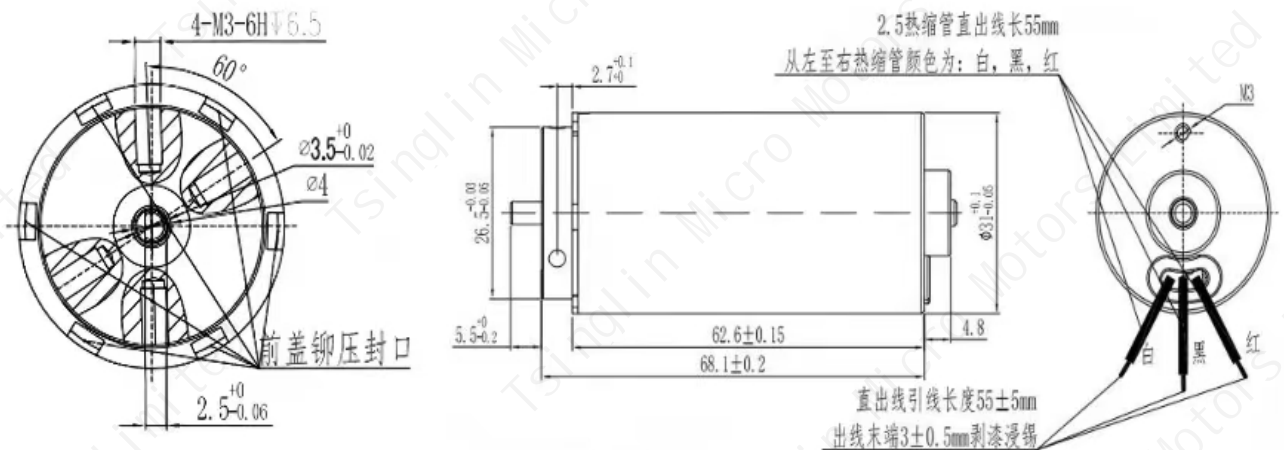


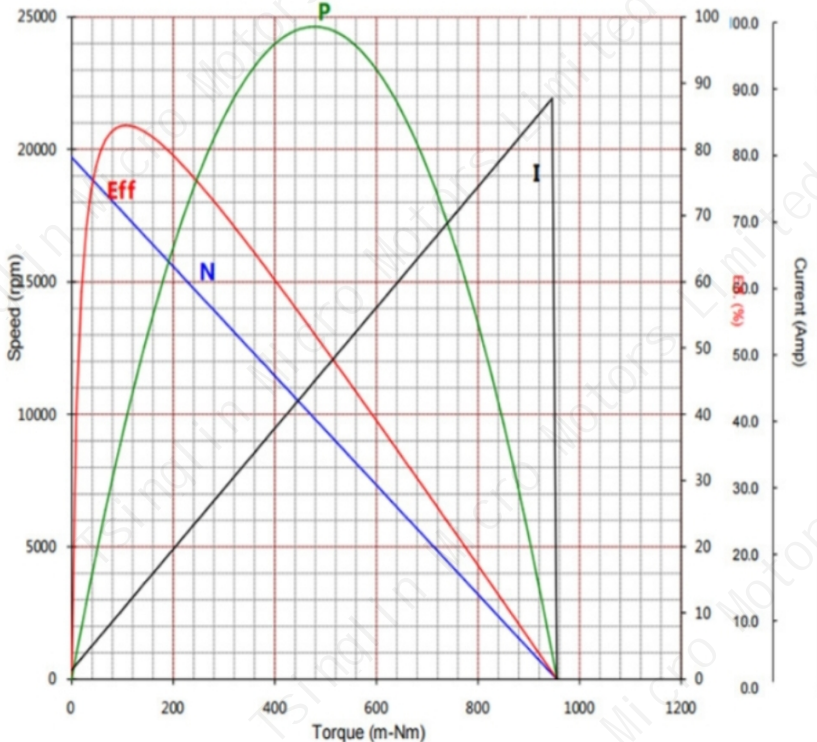
TSL-BLDC-3163A Specifications



Note: The parameters are for reference only. Performance specifications, output shaft, and other features can be customized according to customer requirements

SOF NO. : 0
 Proposal No: 3163-21V
 Winding : - 0
 Motor test reference no : Test

Date : 2022/1/22



Performance (In an ambient temperature of 25 -30 C)		
Motor tested rapidly to prevent significant temperature rise.		
At a constant voltage of	21.00	Volts
With a circuit resistance	0.000	Ohms
AT No Load		
Speed :	19700 Rpm	
Current:	1.400 Amp	
At stall (Extrapolated)		
Torque :	955.236 m-Nm	
Current:	88.537 Amp	
At maximum efficiency		
Efficiency :	83.63 %	
Torque :	106.702 m-Nm	
Speed :	17499 Rpm	
Current :	11.133 Amp	
Output :	195.535 Watts	
At maximum power		
Torque :	477.618 m-Nm	
Speed :	9850 Rpm	
Current :	44.968 Amp	
Output :	492.658 Watts	
Characteristics		
Torque Constant :	10.962 m-Nm/Amp	
E.M.F Constant :	10.962 mV/rad/sec	
Dy. Resistance :	0.237 Ohms	
Motor Regulation:	20.623 Rpm/m-Nm	
Calculation		
At Torque Level:	360.000 m-Nm	
Speed :	12275.7 Rpm	
Current :	34.239 Amp	
Efficiency :	64.36 %	
Output :	462.781 Watts	
<small>COMPUTER PRINT-OUT NOMINAL MOTOR CURVES. Performance and characteristics are measured based on limited motor samples only.</small>		