



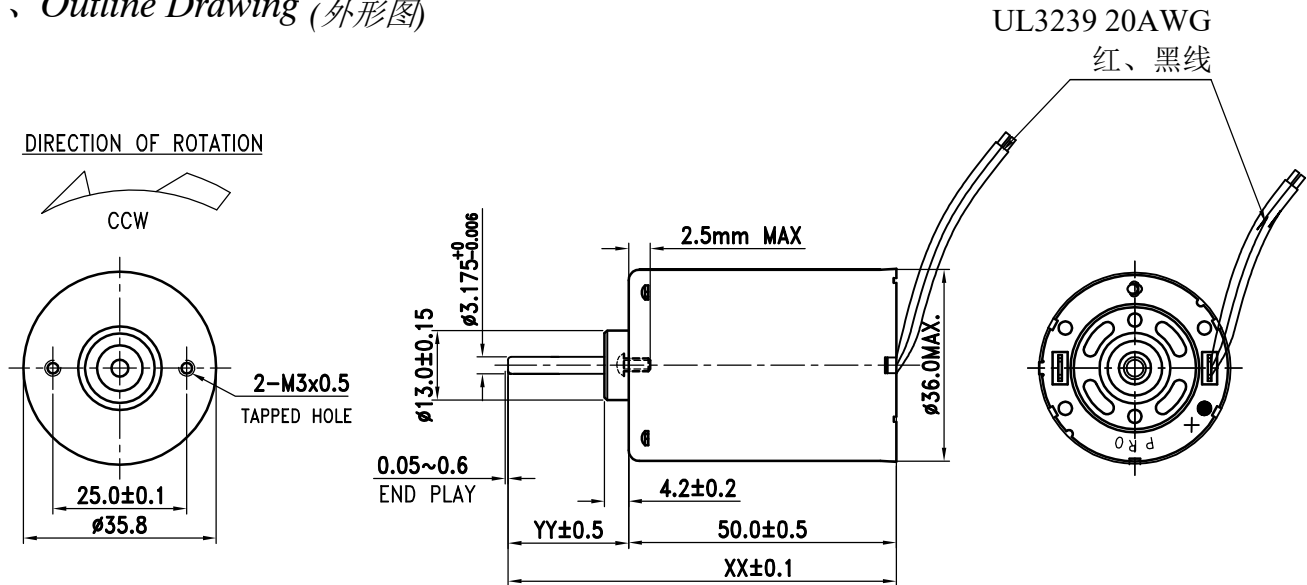
MOTOR SPECIFICATION AND PERFORMANCE CHARACTERISTICS/EVALUATION:

MODEL: PB546 BLDC MOTOR

SO: 预估性能
Evaluation Performance

DATE: 2025-4-14

1、Outline Drawing (外形图)

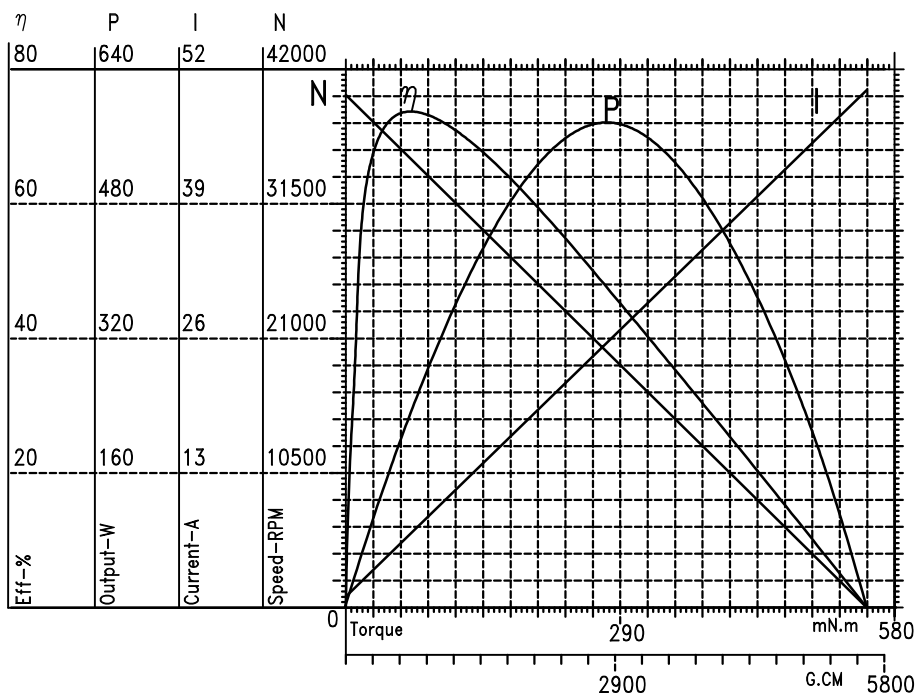


备注：“XX”和“YY”可以根据客户要求来确定。

2、Electrical Specification/Evaluation: (预估电气性能规格)

VOLTAGE (电压)	NO LOAD		AT RATED LOAD (THEORETICAL)					LOAD TESTING WITH FAN:			
	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFFICIENCY	SPEED	CURRENT	TORQUE(equivalent)
	rpm	A	rpm	A	g.cm	(m.Nm)	W	%	rpm	A	g.cm (m.Nm)
48.0 V DC CONSTANT	40000 ±12%	1.25 MAX.	35044	7.071	695.69 (68.22)		250.45	73.72	/	/	/

3、Performance Curves: (性能曲线)



AT NO LOAD (空载)

CURRENT (转速) = 40000 RPM

SPEED (电流) = 1.0 AMP

AT STALL EXTRAPOLATION (堵转点)

TORQUE (扭力) = 5615.0 G.CM
(550.64) (mN.m)

CURRENT (电流) = 50.0 AMP

AT MAXIMUM EFFICIENCY (最大效率点)

EFFICIENCY (效率) = 73.72 %

SPEED (转速) = 35044 RPM

TORQUE (扭力) = 695.69 G.CM
(68.22) (mN.m)

CURRENT (电流) = 7.071 AMP

OUTPUT (功率) = 250.45 WATTS

NOTES: THE CURVES REPRESENT EVALUATION THEORETICAL PERFORMANCE
CUSTOMER:

PREPARED: _____

REVIEWED: _____

APPROVED: _____