

型 号 (Model)

OT-RK-550PH-9012/78

1、标准使用条件 (Standard Operating Conditions)

NO.	项 目 (Item)	规 格 (Specification)	检验方法 (Test Method)
1-1	额定电压 (Rated Voltage)	8.4 V	电压表 (Multimeter)
1-2	马达转向 (Rotation)	CCW	手感 (Handle)
1-3	姿 势 (Motor Position)	检查时水平 (All position. When inspecting, horizontal)	手感 (Handle)
1-4	检测时温度范围 (Temperature)	10~30°C	温度计 (Thermometer)
1-5	检测时湿度范围 (Humidity)	30~95%	湿度计 (Hygroscope)

2、性能 (Performance Of Motors)

NO.	项 目 (Item)	规 格 (Specification)	检验方法 (Test Method)
2-1	空载转速 (No-load Speed)	30500 ± 10% RPM	转速表 (Flash Speed Indicator)
2-2	空载电流 (No-load Current)	8.2 A max	电流表 (DC Power Supply)
2-3	堵转电流 (Stall Current)	95.0 A max	电流表 (DC Power Supply)
2-4	堵转力矩 (Stall Torque)	2400 ± 400 g. cm	扭力计 (Torque Measure)
2-5	额定力矩 (Rated Torque)	446.6 ± 80 g. cm	扭力计 (Torque Measure)
2-6	额定电流 (Rated Current)	21.6 A max	电流表 (DC Power Supply)
2-7	额定转速 (Rated Speed)	24800 ± 10% RPM	转速表 (Flash Speed Indicator)
2-8	噪 音 (Noise)		分贝仪 (Digital Sound Lev d Meter)
2-9	火花等级 (Scintilla Grade)		目测 (Eyeballing)

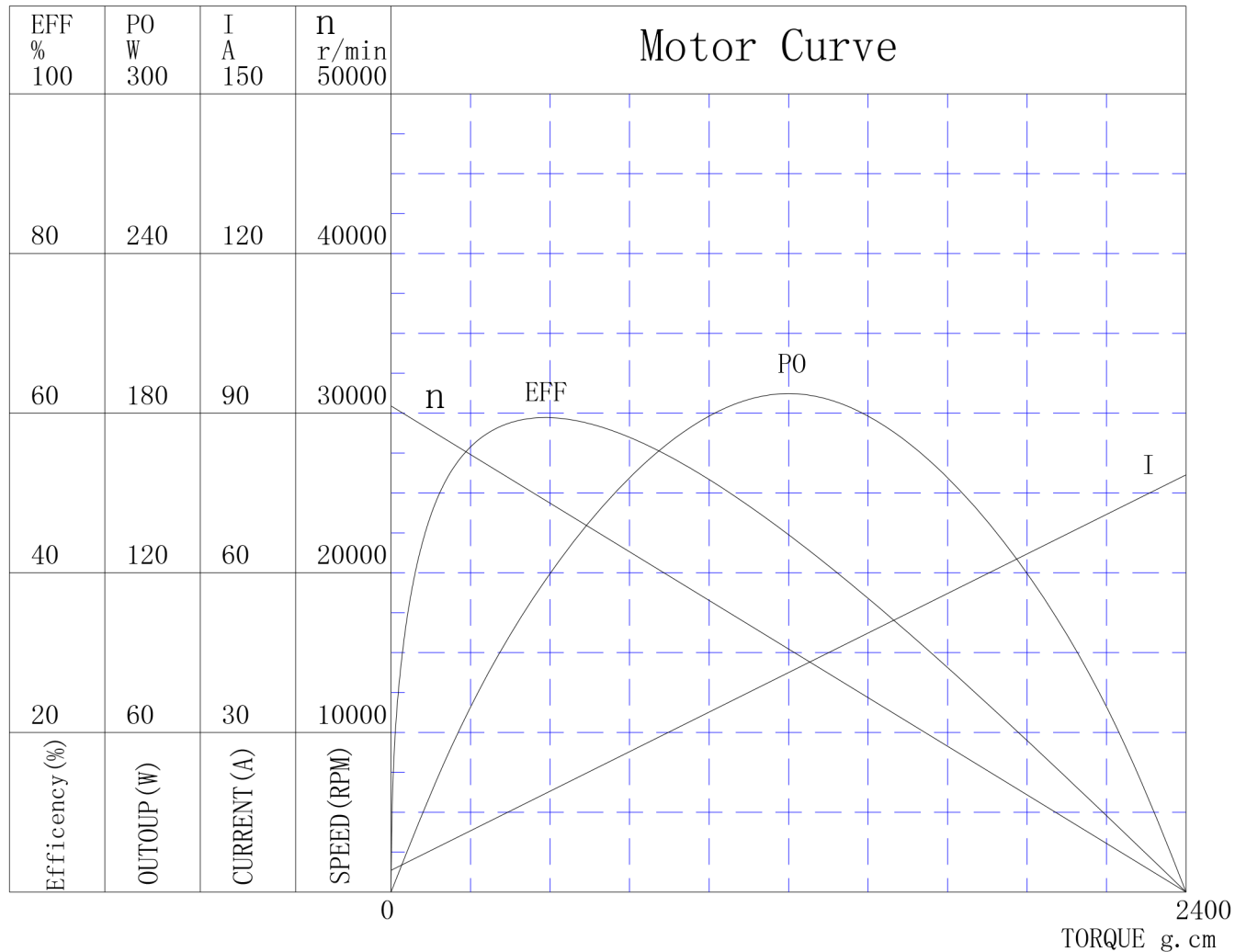
3、基本尺寸 (The Dimension)

NO.	项 目 (Item)	规 格 (Specification)	检验方法 (Test Method)
3-1	轴伸尺寸 (The Outside Shaft Length)	16.5 ± 0.5 mm	卡尺 (Vernier Calipers)
3-2	轴向间隙 (Shaft End Play)	0.05-0.50 mm	治具 (Frock)
3-3	螺孔 (Screw Size)	2-M3.0	治具 (Frock)
3-4	外形安装尺寸 (Outline Mounting Dimention)	见外形图 (Refert The Outline Drawing)	治具和卡尺 (Frock And Vernier Calipers)

电机特性曲线图

电机型号 (Model): OT-RK-550PH-9012/78

测试电压 (Voltage): 8.4 V



注 (Remark) :

该曲线代表此款电机的性能参数 (The Motor curve display the Electromagnetic Parameters of OT-RK-550PH-9012/78)

性能参数 (Electromagnetic Parameter)

空 载 (No load)

转 速 (Speed) : 30500 ± 10% rpm

电 流 (Current) : 8.2 Max Amp

堵 转 (Stall)

力 矩 (Torque) : 2400 ± 400 g. cm

电 流 (Current) : 95.0 Max Amp

最大效率点 (Maximum efficiency)

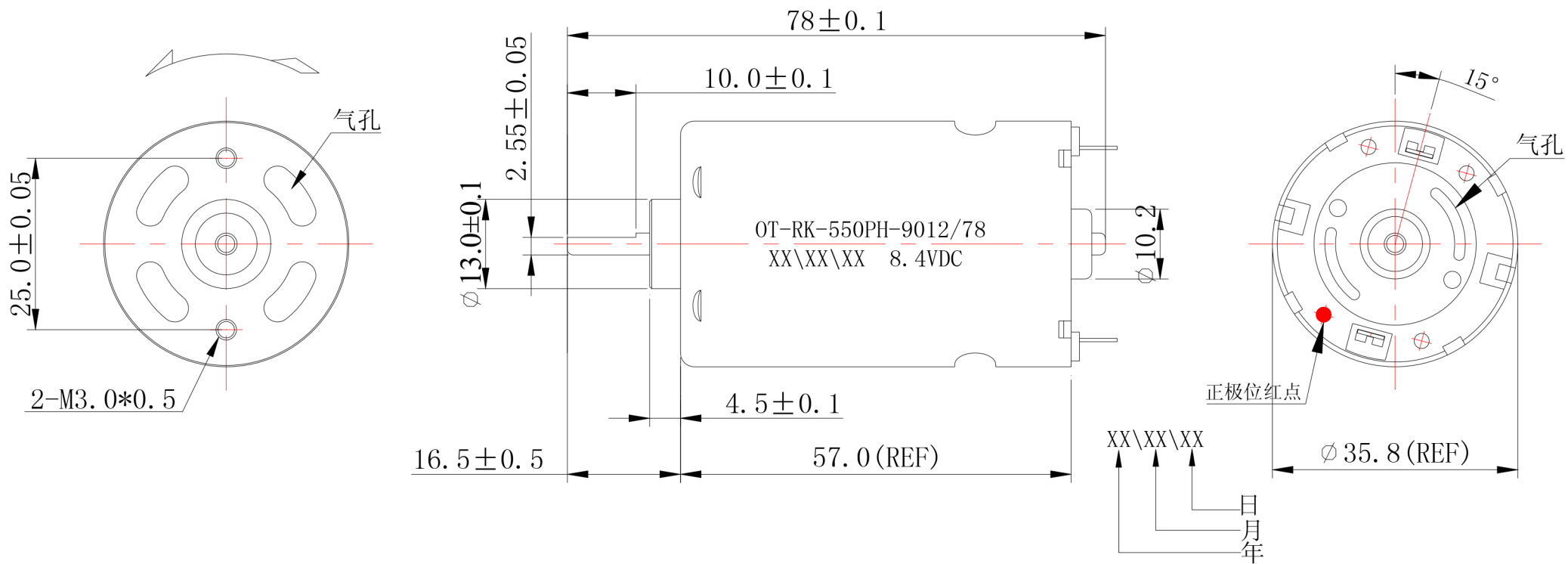
效 率 (EFF) : 59.4 %

转 速 (Speed) : 24800 ± 10% rpm

电 流 (Current) : 21.6 Max Amp

力 矩 (Torque) : 446.6 ± 80 g. cm

功 率 (Output) : 113.72 W



备注 (remark):

1. 电机轴长尺寸 (shaft length): 78.0 ± 0.1 mm.
2. 前端轴伸尺寸 (the leng of the front shaft) 16.5 ± 0.5 mm
3. 电机轴伸端前伸转向 (Dirction of Rotation): CCW.

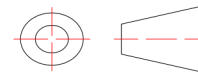
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MODEL

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电机外形图
OUTLINE DRAWING

DECIMAL
 ± 0.2

DECIMAL
 $\pm 0.5^\circ$



VIRSION
A/3

SCALE
2:1