

**技术参数**

- 1、输入电压:220V/60Hz全波整流;
- 2、输出额定功率:100W,堵转功率大于300W;
- 3、空载功率:20W (MAX);
- 4、空载转速:15000±10%RPM;
- 5、转向(轴伸方向看):逆时针方向;
- 6、绝缘等级:Class F;
- 7、耐压测试:AC1500V/1sec/5mA;
- 8、火花等级小于1.5;
- 9、噪音小于等于75dB;(距电机30cm,环境噪音小于50dB)
- 10、寿命大于等于 小时(待定);  
(模拟负载,保持功率50W左右,1Min ON/10Min OFF)

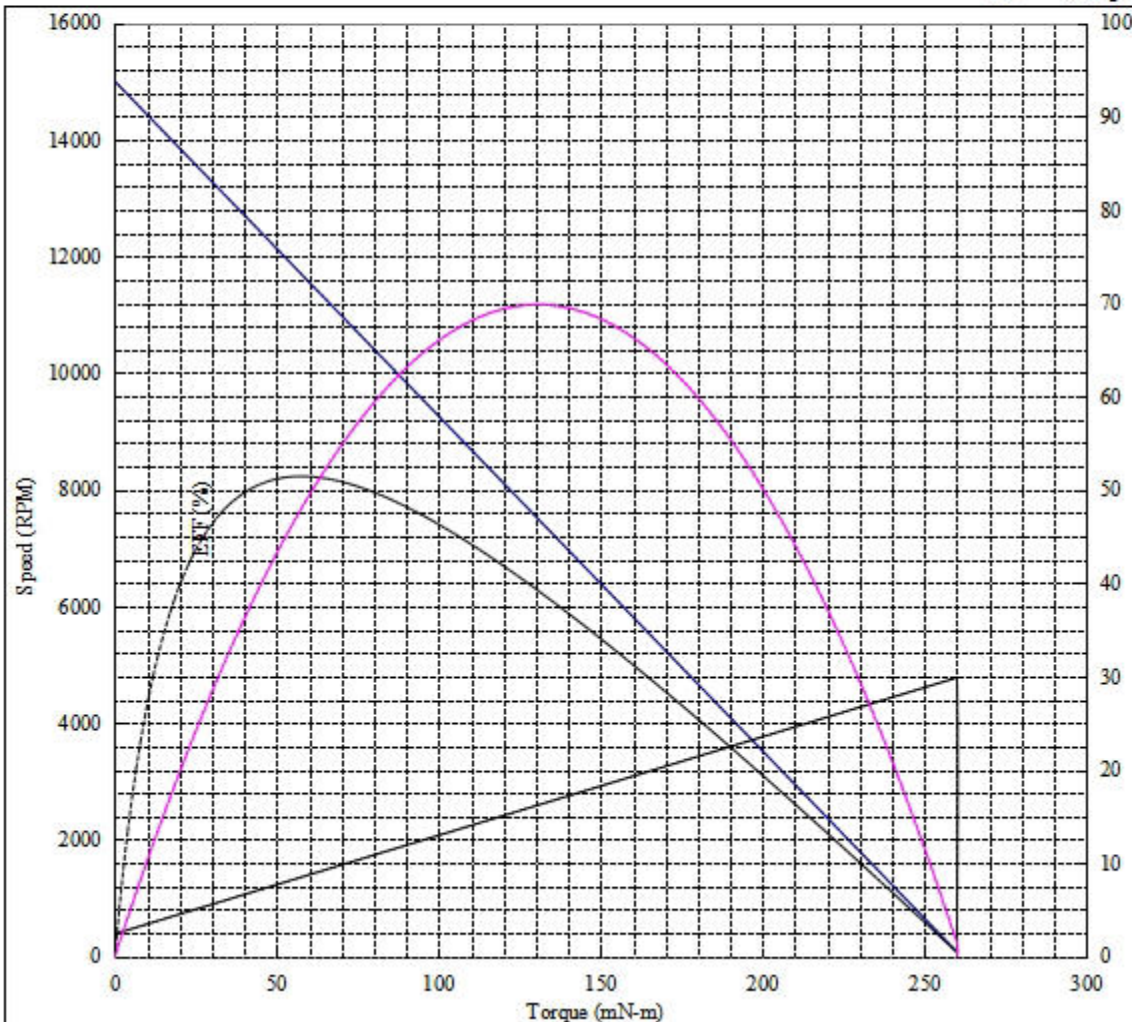
						天沃环球集团有限公司 Teamwork Global Group Ltd						
						型号		RS5512-09230-77LK				
						名称		5512电机总成				
标记	处分	分区	更改文件名	签名	年月日	阶段比例		重量	材料	工艺		
			2021.7.7	龙毅	黄桂伟	A		FIT				
设计				龙毅		比例		1/1	一位小数	二位小数	角度	倒角圆角
审核				标准化		REV: 1			0.1	0.01	1°	0.5
工艺				标准								

# 天沃环球集团有限公司

## Teamwork Global Group Ltd

Project No.: Motor characteristics curve  
 No. : A01  
 Model : RS5512-09230-77LK

Date : 11/22/22  
 Full scale : ——— 100 % Eff  
 - - - - - 100.0 Watts  
 - - - - - 5.0 Amp.



Performance (in an ambient temperature of 25-30 ° C)  
 Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of: 220.00 Volts  
 Direction: CCW

At No Load  
 Speed : 15000 RPM  
 Current : 0.12 AMPS

At stall (Extrapolated)  
 Torque : 261.34 mN-m  
 Current : 1.500 AMPS

At maximum efficiency  
 Efficiency: 51.4 %  
 Torque : 57.620 mN-m  
 Speed : 11693 RPM  
 Current : 0.424 AMPS  
 Output : 48.01 Watts

At maximum Power output  
 Output : 69.828 Watts  
 Torque : 130.668 mN-m  
 Speed : 8804 RPM  
 Current : 0.69 AMPS

Characteristics  
 Torque constant : 189.373 mN-m/AMP  
 E.M.F. constant : 189.373 mV/rad/sec  
 Dynamic resistance: 146.6667 Ohms  
 Motor regulation : 57.40 RPM/mN-m

Issued by QA Reliability Testing Center

**Model No.(马达型号): RS5512-09230-77LK**

### 1. Standard Operating Conditions(马达使用条件):

- 1-1 Rated Voltage (额定电压): 220 VDC constant between motor terminals (马达端子电压)  
 1-2 Operating Voltage Range (电压范围): 220-230 VDC  
 1-3 Direction of Rotation (马达转向) CCW when viewed from output shaft side (马达机壳轴出端视之)

### 2. Measuring Conditions(测试条件):

- 2-1 Motor position(测试马达摆放位置): To be placed horizontally when measuring (将马达水平放置测试)  
 2-2 Environmental Temperature and Humidity (环境温度及湿度):  
 Temperature range of 15°C to 30 °C (环境温度范围在 15-30°C)  
 Relative humidity 30% to 70% ( 环境湿度范围在 30%-70%)  
 2-3 Power Supply (测试电源): Regulated DC power supply (稳压直流电源)

### 3. Electrical Characteristics (at initial stage after 30 seconds run-in):

#### 马达电气特性 (马达运转 30 秒后计数)

- 3-1 No Load Current (空载电流): 0.12 A Max  
 3-2 No Load Speed (空载转速): 15000 ± 10% rpm  
 3-3 Starting Voltage (始动电压): 30 V Max  
 3-4 Rated Load (马达测试负载): 30\*100\*2 MM (Fan Blade)  
 3-5 Rated Load Current (负载电流): 0.7 A Max  
 3-6 Rated Load Speed (负载转速): 7000 ± 10% rpm  
 3-7 Motor Performance Curve.( 马达曲线) See DWG No. RS5512-09230-77LK (Reference only)  
 3-8 Insulation Resistance (绝缘耐压) : min at 1000 VDC between terminal and housing  
 在单体马达端子与铁壳间 1000VDC 1MΩ 耐压测试通过

### 4. Mechanical Characteristics (机械特性):

- 4-1 External Appearance (马达外形图): Attached Outline Drawing (详见外形图纸)  
 4-2 Shaft End Play (马达轴向间隙) : 0.3~0.80 mm