

Model No.(马达型号): RS7712-16150-131LK

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

- 1-1 Rated Voltage (额定电压): 220VDC constant between motor terminals (马达端子电压)
- 1-2 Operating Voltage Range (电压范围): 220-240VDC
- 1-3 Direction of Rotation (马达转向) CW 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)

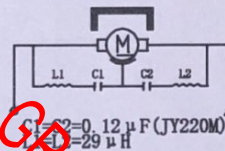
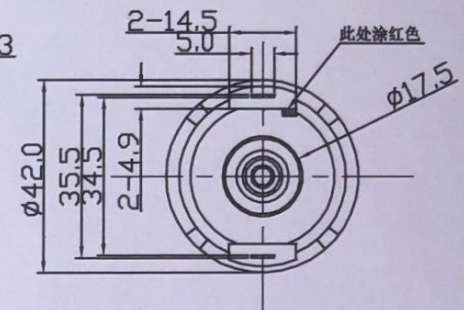
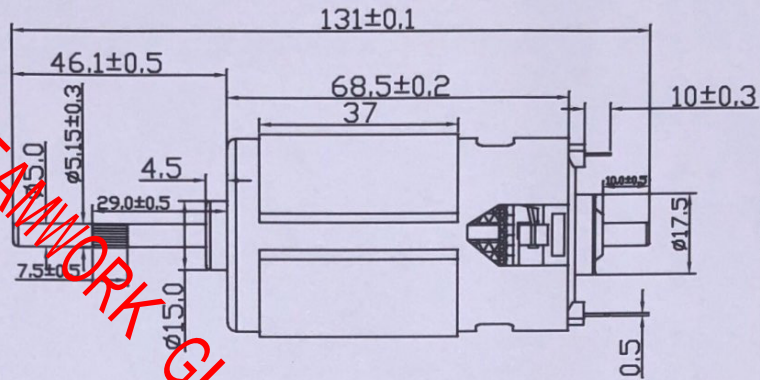
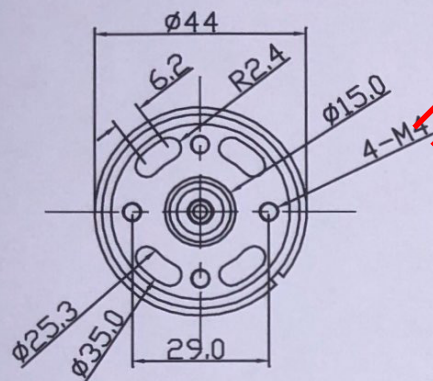
3.Electrical Characteristics (at initial stage after 30 seconds run-in):

马达电气特性 (马达运转 30 秒后计数)

- 3-1 No Load Current (空载电流): 0.15A 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): 40*89*2 MM (Fan Blade)
- 3-5 Rated Load Current (负载电流): 1.2A Max
- 3-6 Rated Load Speed (负载转速): 9750±10% rpm
- 3-7 Motor Performance Curve.(马达曲线) See DWG No. RS7712-16150-1310LK (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 1500VDC 1M Ω 耐压测试通过

4. Mechanical Characteristics (机械特性):

- 4-1 External Appearance (马达外形圆): Attached Outline Drawing (详见外形图纸)
- 4-2 Shaft End Play (马达轴向间隙) : 0.3~0.60 mm



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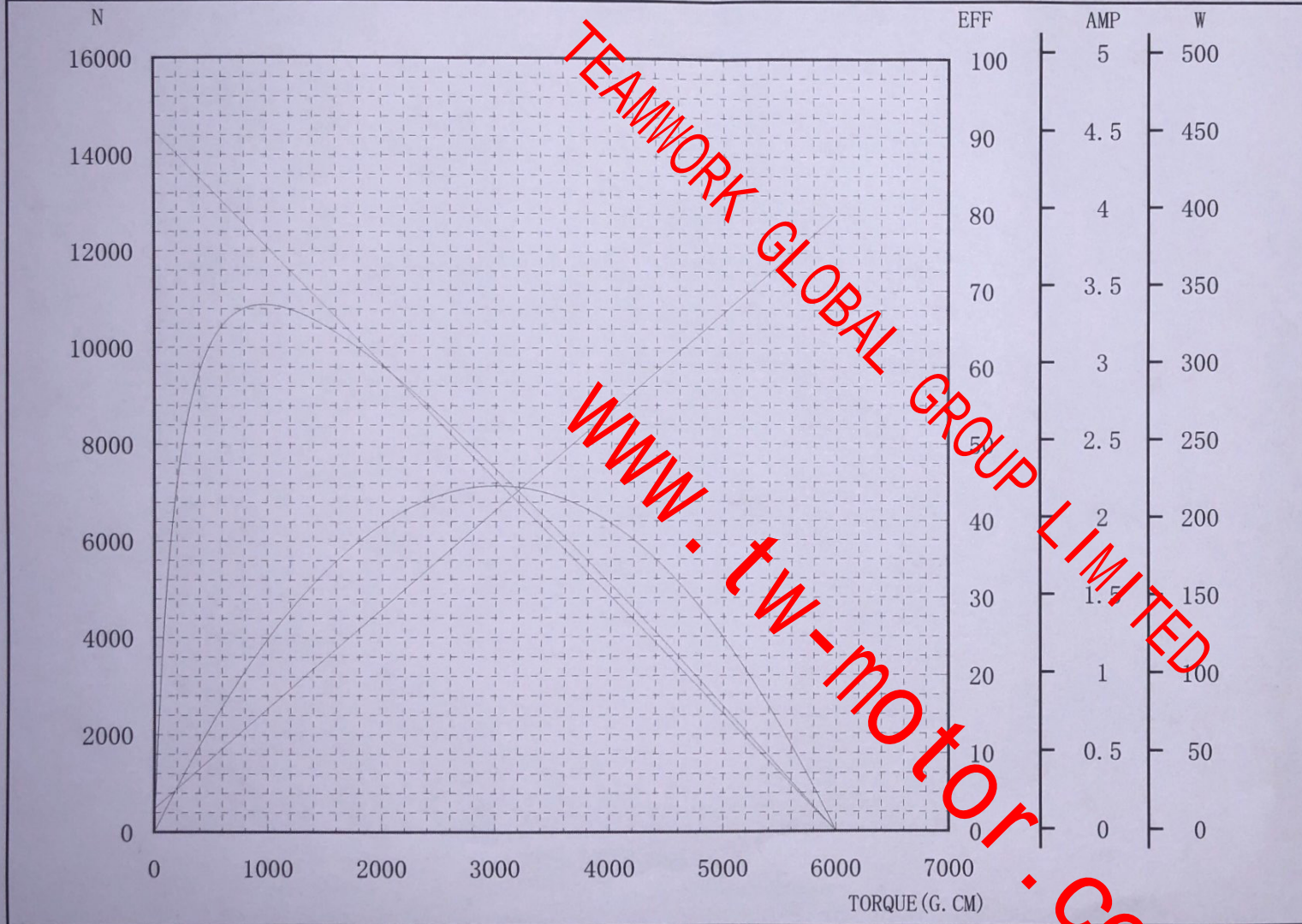
技术参数/Technical Data

- 1、输入电压/Voltage: AC230V/50Hz/60Hz 全波整流;
- 2、输入额定功率/Rated power: 200W
- 3、空载功率/No load power: 30W (MAX);
- 4、空载转速/No load speed: 14500±10%RPM;
- 5、转向(Shaft side view)/Direction: CW 顺时针方向
- 6、绝缘等级/Insulation: Class F;
- 7、耐压测试/HV: AC1500V/1sec/0.5mA;
- 8、火花等级小于/Spark: Within 1.5;
- 9、噪音小于等于75dB; (距电机30cm, 环境噪音小于50dB)

型号		LRS7712-17116-122		
名称		7712电机总成		
设计	龙毅	2016-09	绘图	黄桂伟
审核			标准化	
工艺			标准	
阶段比例	重量	材料	工艺	
比例	FIT			
REV: 1	1/1	一位小数	二位小数	角度 倒角圆角
		0.1	0.01	1° 0.5

MOTOR PERFORMANCE CHART

电机型号: Motor Model	7712	客户名称: Customer		样办单号: Specification No.	
客户代码: Customer No	/	版本: Revision		制作日期: Date	
其他零件:	/				



AC CONSTANT		
SUPPLY		
VOLTAGE:	230	VAC (全波整流)
FREQUENCY:	50Hz	Hz
DIRECTION:	CW (顺时针)	
NO LOAD		
SPEED:	14500	RPM
CURRENT:	0.150	AMP
AT STALL		
TORQUE:	6000.00	G. CM
CURRENT:	4.000	AMP
AT MAX EFFICIENCY		
EFFICIENCY:	67.79	%
SPEED:	12148	RPM
TORQUE:	973.40	G. CM
CURRENT:	0.775	AMP
OUTPUT	120.78	W
AT MAX POWER		
OUTPUT	222.15	W
SPEED:	7250	RPM
TORQUE:	3000.00	G. CM
CURRENT:	2.075	AMP
N: (RPM)	_____	
EFF: (%)	_____	
AMP: (A)	_____	
W: (W)	_____	

APPROVED: _____