



LJ DEVICE CO., LTD.

力臻股份有限公司

LJ DEVICE CO., LTD.

零件規格書/承認書

SPECIFICATION FOR APPROVAL

CUSTOMER : _____

DESCRIPTION : _____

MODEL : _____ **FF-130-11250-38-120** _____

CUSTOMER PART NO : _____

APPROVED SIGNATURES

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Rev	Date	Description	Designed	Checked	Approved
A	2023/8/11	Release		Po-Chen	

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客 户:

Model 型号: FF-130-XX-38V

Sample No 样板编号:

1. Standard Operating Conditions: 工作条件

1-1 Rated Voltage

额定电压:

6.0VDC constant between motor terminals

马达端子电压6.0 V 直流电压

1-2 Direction of Rotation

回转方向:

CCW when viewed from output shaft side

CCW 从出力轴端观看

1-3 Operating Temperature and Humidity

工作温度及湿度:

Temperature range of -20°C~+80°C, Humidity range of

30%~80% 温度范围: -20°C~+80°C 湿度范围:

30%~80%

1-4 Storage Temperature:

贮藏温度:

Temperature range of -20°C~+60°C

温度范围是-20°C~-+60°C

2. Test Conditions 测试条件:

2-1 Motor Position:

马达放置位置

To be place horizontally when measuring

测试时水平放置

2-2 Power Supply

电源

Regulated DC power supply

直流稳压电源

2-3 Environmental Temperature and Humidity

环境温度及相对湿度

Temperature range of 15°C to 30°C

温度范围: 15°C~ 30°C

Relative humidity 30% to 70%

相对湿度: 30%~ 70%

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

3-1 No Load Current: 空载电流

100mAmax.

3-2 No Load Speed: 空载转速

8000±10% rpm.

3-3 Rated Load: 负载

齿轮组

3-4 Rated Load Current: 负载电流

120mA max.

3-5 Rated Load Speed: 负载转速

66±10% rpm.

3-6 At Stall Current: 堵转电流

1100mA Max

3-7 At Stall Torque: 堵转力矩

800g.cm Min

4. Mechanical Characteristics: 机械性能

4-1 External Appearance: 外形

Attached Outline Drawing 附马达外形图

4-2 Shaft End Play: 轴向窜动

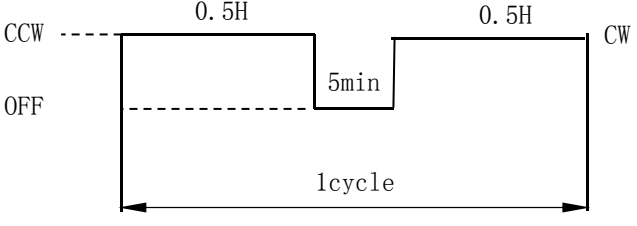
0.02~0.15mm

4-3 Noise Test: 噪音测试

≤50dBA (距马达出力轴端 30cm 处测试, 背景噪音
不大于 40 dBA)

Prepared by 编制 _____ Checked by 审核 _____ / _____ Approved by 批准 _____

5. Life test(寿命实验)

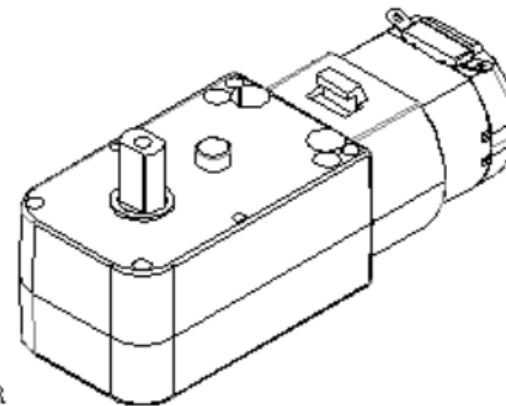
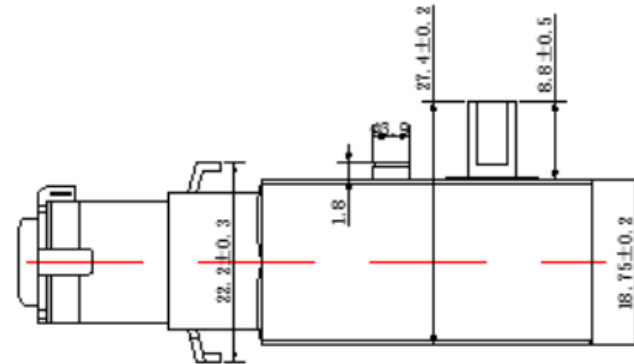
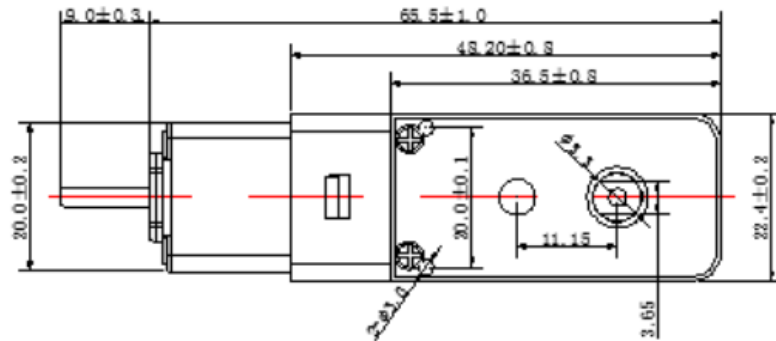
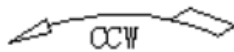
NO 序号	Specification(实验条件)		Life Expectancy 预期寿命
5-1	Test cycle 循环测试		100H
	Test along 连续测试		100H Min 100小时以上
	Test condition: 实验条件: Environment: 25°C ± 5°C / 65% ± 20% RH 环境 Test Voltage: 6.0V DC 测试电压 Load: 负载: Mounting: Motors should be firmly fixed in the test apparatus 安装方法: 马达固定在寿命试验架上		
5-2	Judgment of failure 判为寿命终止条件	(1) rated load speed varies more than 30% from initial; 额定转速超过初始值的±30%; (2) rated load current varies more than 30% from initial; 额定电流超过初始值的±30%; (3) motor gets apparently recognized to be unusable. 马达明显被判定为不可使用。	
	Defective judgment 拒收标准	When one off the above will not be cleared or an imperfection in will be observed. 当电机性能不符合上述条件或制造上存在缺陷时, 电机被判为不良。	

P-9

版本A0

未注公差尺寸			未注公差角度		
XXX	XX	X	XXX	XX	X
±0.05	±0.1	±0.2	±30'	±1' 30"	±7'

DIRECTION OF ROTATION



注记 (NOTES):

- 8.8±0.5mm只有在马达轴针位于右端极限位置时应用。
8.8±0.5mm APPLIES ONLY WHEN MOTOR SHAFT IS IN EXTREME RIGHT POSITION.
- 轴向间隙范围:0.05~0.5mm。
END PLAY LIMITS OF SHAFT 0.05~0.5mm.
- 未标主尺寸公差: ±0.2mm。
TOLERANCES NOT SPECIFIED: ±0.2mm
- 齿轮箱出轴朝自己, 电源正极接电机正极通电旋转方向为逆时针
OUT OF THE MOTOR SHAFT FOR COUNTERCLOCKWISE ROTATION DIRECTION OF MOTOR

		COPYING		DATE		SERIAL NUMBER: W-FC130A0492A		TITLE: 电机外形图	
		CHECKING:						MODEL: CFC-130SA系列	
		X ±0.2		REVIEW:				PART NO:	
		X.X ±0.1		APPROVAL:				SCALE: 1:1	
		X.XX ±0.05						△ PROJ:	
REV		TO		DATE		TOLERANCE			
A		新出		23-07-11		±1*			

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