产品规格书

Specifications

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1. 适用范围 Application:

本规格书适用 PUM-00011

The specifications apply PUM-00011 use.

2. 测试环境 Standard test environment:

2-1	测试环境温度 Environment test	周围温度 20℃相对湿度 65%RH 为标准,如无争议发生可以在下述环境测试:周围温度 5-30℃相对湿度 40-85%RH。
		The standard of environment test is the ambient temperature of 20°C and relative humidity of 65%RH. If no disputes occur, the test can be conducted under the blow circumstance: the ambient temperature of 5~30°C and relative humidity of 40~85%RH.
2-2	测試姿势 (Position)	水平 (Horizontal)
2-3	额定负载 (Load)	空气压 50KPa(Air pressure 50 KPa)
2-4	使用温度范围 Operation temperature range	-20 ~60° C(Humidity to 30% to 85%RH)
2-5	保存温度范围 Preservation temperature range	-20 ~60° C(Humidity to 30% to 85%RH)

3 电气特性 Electrical characteristics:

3-1	额定电压 Rated voltage	DC12.0±0.5V	
3-2	使用电压范围 Operating voltage range:	DC9.6V~14.4V	
3-3	额定电流 Rated current	供电 DC12.0V,气泵空载工作时的最高电流<1350 mA The highest current is less than 1350mA while the pump no load.	≤1350mA Less than 1350mA
3-4	空载流量 No load air flow	DC12V 输入气泵空载时的流量≥15.0 L/min While pressuring with DC12V the flow rate is required to be more than 15.0 L/min	≥15.0 L/min More than 15.0 L/min
3-5	噪音 Noise	下垫 5cm 之海綿, 距噪音计 50cm 之处, 依 DC 12V 之电源充气压力从 0 到 50kpa 之后, 所测得之 dB 值小于 65dB. The underlying 5 cm of the sponge, is apart from the noise	≤65dB Less than 65dB

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		plan the place of 50 cm, to 5the DC 12 V power supply of air pressure from 0 to 50 kpa after before, the dB value is less than 65 dB.	
Maximum vocuum 值小于-58KPa. The maximum vocuum value shall be Less		The maximum vocuum value shall be Less than -58KPa while pressurizing with DC 12V tank from 0 till dead-head	<-58kpa) Less than -58 kpa
3-7	再起动电压 Restart voltage	500CC 容器中升压至-40 KPa 时暂停, 再加压到-58KPa 时的最低启动电压。 In pressure -40 KPa input 9.0V voltage ,the pump well be action in one second.	≤DC9. 0V

环境试验 Environmental Tests:

4-1	低温放置试验 Low-temperature characteristic	放置在-20℃经 72 小时后,再取出置于常温(20±5℃)中 2 小时依下列专案测试无异状 3-3, 3-4, 3-5, 3-6, 3-7. Putting the pump in the temperature at negative -20℃ for 72 hours; then taking it out and putting it in a room temperature at 20±5℃ for 2 hours, Under this circumstance, running through test 3-3, 3-4, 3-5, 3-6,3-7 and finding out that the pump still performs well.
4-2	高温放置试验 High-temperature characteristic	在 60℃经 72 小时放置后,在放常温(20±5℃)中 2 小时依下列专案测试无异状 3-3, 3-4,3-5,3-6,3-7 Putting the pump in the temperature at 60℃ for 72 hours; then taking it out and putting it in a room temperature at 20 ± 5℃ for 2 hours, Under this circumstance, running through test 3-2,3-3, 3-4, 3-5, 3-6,3-7 and finding out that the pump still performs well.
4-3	高温高湿放置试验 High-temperature & High humidity	在温度 60℃,湿度 95%环境中经 72 小时取出置于常温(20±5℃)中 2 小时依下列专案测试无异状 3-3, 3-4, 3-5, 3-6,3-7, 3-8. Putting the pump in the temperature at 60℃ and the humidity at 95% for 72 hours; then taking it out and putting it in a room temperature at 20 ± 5 ℃ for 2 hours. Under this circumstance, running through test 3-3, 3-4, 3-5, 3-6,3-7, 3-8 and finding out that the pump still performs well.
4-4	温湿度循环放置测试 Temperature & humidity cycle test	在经过12次的温湿度循环测试后:-20℃*2Hr → +25℃*1Hr → +60℃ 85%RH*2Hr → +25℃*1Hr,需维持相同的性能.依下列 专案测试无异状 3-3, 3-4, 3-5, 3-6,3-7, 3-8.After doing the temperature and humidity cycle test,-20℃*2Hr → +25℃*1Hr→

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			25°C*1Hr,for twelve times,the pump shall tions proved by running through test 3-3.
4-5	寿命试验 Life test	秒为一次, 共进行 50000 500 CC cylinder, DC1	(输入,气泵充气 15 秒后停止,排气 15 次,累计时间 500 小时以上。 12V input, air pump inflatable 15 seconds ands for a time, a total of 50000 times, total

5 特殊环境测试 Thermal test performance:

在经过发下 5-1 和 5-2 项目之特殊环境测试后,要产品须可满足项目 3-3 至 3-8 之基本性能。

After the pump has been tested through test 5-1 and 5-2, it must be suitable the basic performance required by item 3-2 to 3-8.

5-1	低温环境测试 Low-temperature environment test	在温度 0℃经五小时后,在此温度下依下列专案测试无异状, 3-3, 3-4, 3-5, 3-6,3-7. Under a temperature of 0℃ for 5 hours, then examining the pump by test 3-3, 3-4, 3-5, 3-6,3-7 and finding out it still perform well.
5-2	高温环境测试 High-temperature environment test	在温度 50℃经五小时后,在此温度下依下列专案测试无异状, 3-3, 3-4, 3-5, 3-6,3-7. Under a temperature of 50℃ for 5 hours, then examining the pump by test 3-3, 3-4, 3-5, 3-6,3-7 and finding out it still perform well.

6 其它 Others:

6-1	端子强度	以 0.5 公斤法码与端子平行负载无异常者.
	The lead tension	Hanging a 0.5 Kg static load on the terminal of the pump will not cause a damage on the pump.
6-2	落下实验	使用标准的包装方式,在水泥地上将其从 50cm 的高度分别从正面,
	Fall test	侧面,及边角落下,其性能及结构需无异常.
		Basic performance and the struture shall not be defected after
		following test; With a standard packaging conditions, then dropping it at the
		front, side, and edges part from the height of 50 cm to the concrete floor.
6-3	外观 Appearance	产品无不适当的外观和刮伤, 脏污…等.
		The appearances of the pump shall not contain cracks and impurities.
6-4	异常试验	以 DC12V 连续 8 小时通电无燃烧,发烟现象.

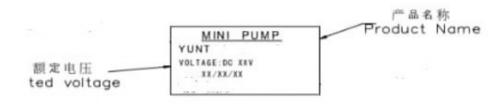
型号	model:	PUM-0001
1000	*****	

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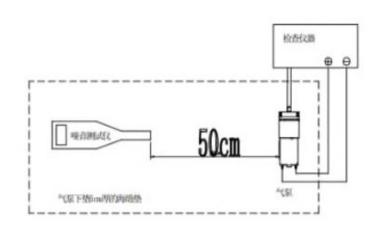
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	Unusual test	There is no burning and smol with DC 12V for 8 hours continuous	oking occurrence while the power is on sly.
6-5	焊锡要求	马达端子焊锡作业需在焊锡温度 3 Motor terminal for Soldering 1 380°C, and operating time is for 3 sec	process the heat temp. is controlled by

7 标签内容 Labels:



8 噪音测试线路图 Noise test circuit diagram:



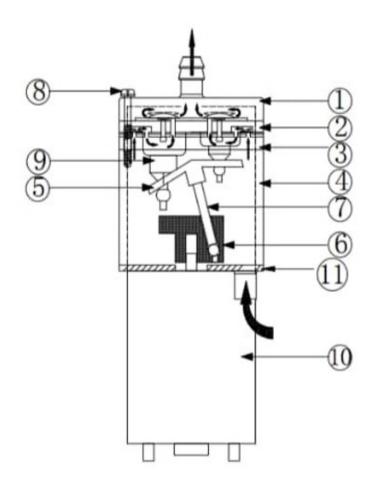
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9 结构图 Structural drawing:



10 材料表 Material list:

号 码 NO.	名 称 NAME.	材料 MATERIAL.
1	塑 胶 B 1	PLASTIC
2	塑 胶 B 2	PLASTIC
3	塑 胶 B 3	PLASTIC
4	塑 胶 B 4	PLASTIC
5	塑 胶 B 5	PLASTIC
6	塑 胶 B 6	PLASTIC
7	钢针	STEEL
8	螺 丝	SUS1006
9	橡胶	RUBBER
1 0	马 达	555电 机
1 1	橡胶	RUBBER

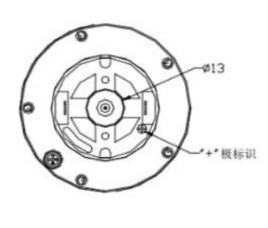
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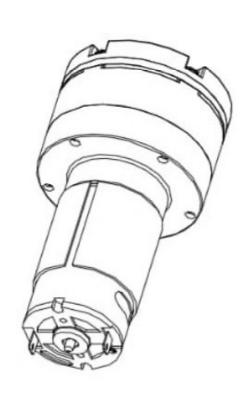
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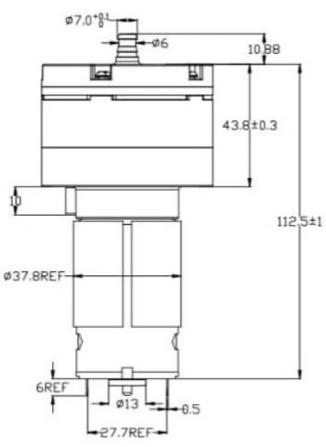
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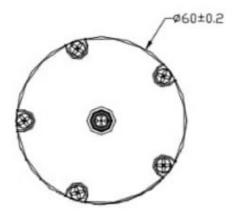
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11.成品外形图 Finish ed Outline









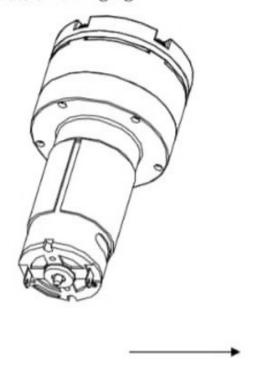
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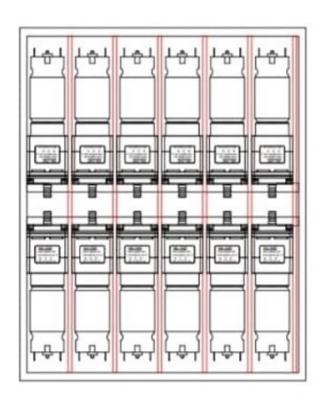
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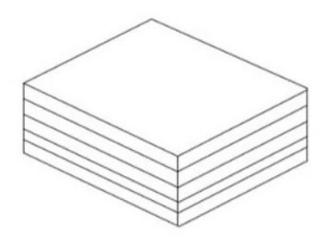
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12.包装图 Packaging







每层 12个 Each layer 12 pcs

每箱5层 共60个 Each box with five layers of 60pcs

