



深圳市集创兴科技有限公司

Shenzhen TCS Precision Technology Co., Ltd

水泵规格书

Specification of water pump

客 户: H041

Customer

品 名: 直流水泵

Part name: Dc water pump

型 号: JSB1523008

Model

日 期: 2018-08-07

Date

页 数: 共 7 页 (包括封面)

Number of pages: seven pages

作成/Made	审核/Audit	核准/ Approval
黄海林 2018.08.07		

客户承认

Customer acknowledgment

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1. 适用范围 Application:

本规格书适用 JSB1523008 之用。
The specifications apply JSB1523008 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℃ 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℃ and relative humidity of 40~85%RH.
2-2	测试姿势（Position）	水平（Horizontal）
2-3	额定负载（Load）	抽水吸程 15 厘米（water suction head 15cm）
2-4	使用温度范围 Operation temperature range	5 ~80° 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	DC5.0V	
3-2	使用电压范围 Operating voltage range:	DC4.2V~6.0V	
3-3	额定电流 Rated current	供电 DC5.0V，抽水时的最高电流<300mA The highest voltage should be less than 300mA when the pump drawing water with DC5.0V.	<300mA Less than 300mA
3-4	空载流量 No load flow	在 DC5.0V，抽水吸程在 15cm 范围内抽水量在 80~130 毫升/分之间 At DC5.0V ,the pump discharge is between 80~130mL/min when the pump at the plane of 15cm（height）.	80~130mL/min Between 80~130mL/min

3-5	噪音 Noise	下垫 5cm 之海绵, 距噪音计 30cm 之处, 依 DC 5.0V 之电源, 吸水时噪音小于 50dB Putting a 5 cm sponge under the pump, and placing it about 30 cm away from the noise meter, Suction noise less than 50dB with DC 5.0V .	<50dB Less than 50dB
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在经过以下 4-1 至 4-4 和 5-1、5-2 项目测试后, 产品须可满足项目 3-3~3-5 之基本性能。但是噪音 <55dB 即为合格。

After the pump has been tested through test 4-1 to 4-4 and 5-1、5-2, it must be suitable the basic performance required by item 3-3~3-5. However, it to be OK that the dropped pressure value shall be noise level shall be less than 55dB.

4 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. Putting the pump in the temperature at negative 20 °C for 72 hours; then taking it out and putting it in a room temperature at 20 ± 5 °C for 2 hours, Under this circumstance, running through test 3-3, 3-4. 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. Putting the pump in the temperature at 60 °C for 72 hours; then taking it out and putting it in a room temperature at 20 ± 5 °C for 2 hours, Under this circumstance, running through test 3-3, 3-4. 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. Putting the pump in the temperature at 60 °C and the humidity at 95% for 72 hours; then taking it out and putting it in a room temperature at 20 ± 5 °C for 2 hours. Under this circumstance, running through test 3-3, 3-4. and finding out that the pump still performs well.
4-4	寿命试验 Life test	DC 5.0V, 抽水吸程 15cm 抽水 20 秒, 停 10 秒为一个循环, 测试 150 小时以后经下列专案测试无异状 3-3, 3-4.

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		DC 5.0V water suction head 15cm, pumping 20 seconds , on 10 seconds for a loop test 150 hours after no abnormal test by following project 3-3, 3-4.
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5 特殊环境测试 Thermal test performance:

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

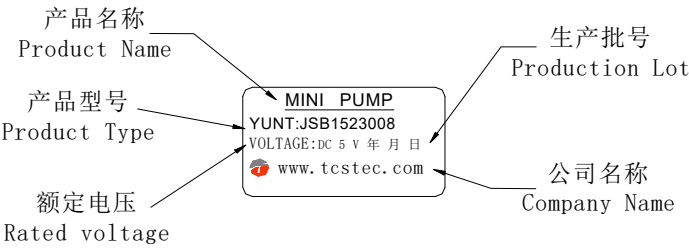
6 其它 Others:

6-1	端子强度 The lead tension	以 0.5 公斤法码与端子平行负载无异常者. 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 Fall test	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,侧面,及边角落下,其性能及结构需无异常. Basic performance and the structure 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 Unusual test	以DC5.0V, 连续8H通电, 无冒烟, 燃烧等现象. Connect the pump to DC5.0V for 8 hours, and no ignition or smoke should occur.
6-5	焊锡要求	马达端子焊锡作业需在焊锡温度 380℃ 下,2 秒内操作完成. Motor terminal for Soldering process the heat temp. is controlled by 380℃,and operating time is for 2 sec only.

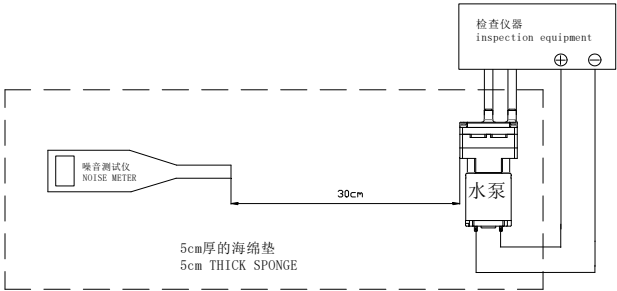
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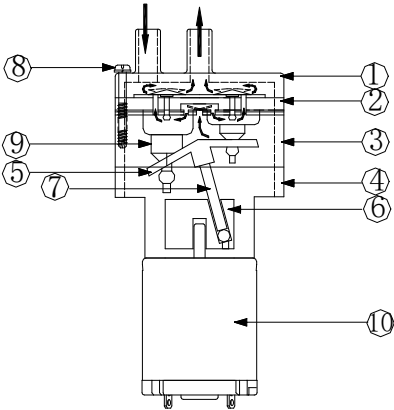
7 标签内容 Labels:



8 噪音测试线路图 Noise test circuit diagram:



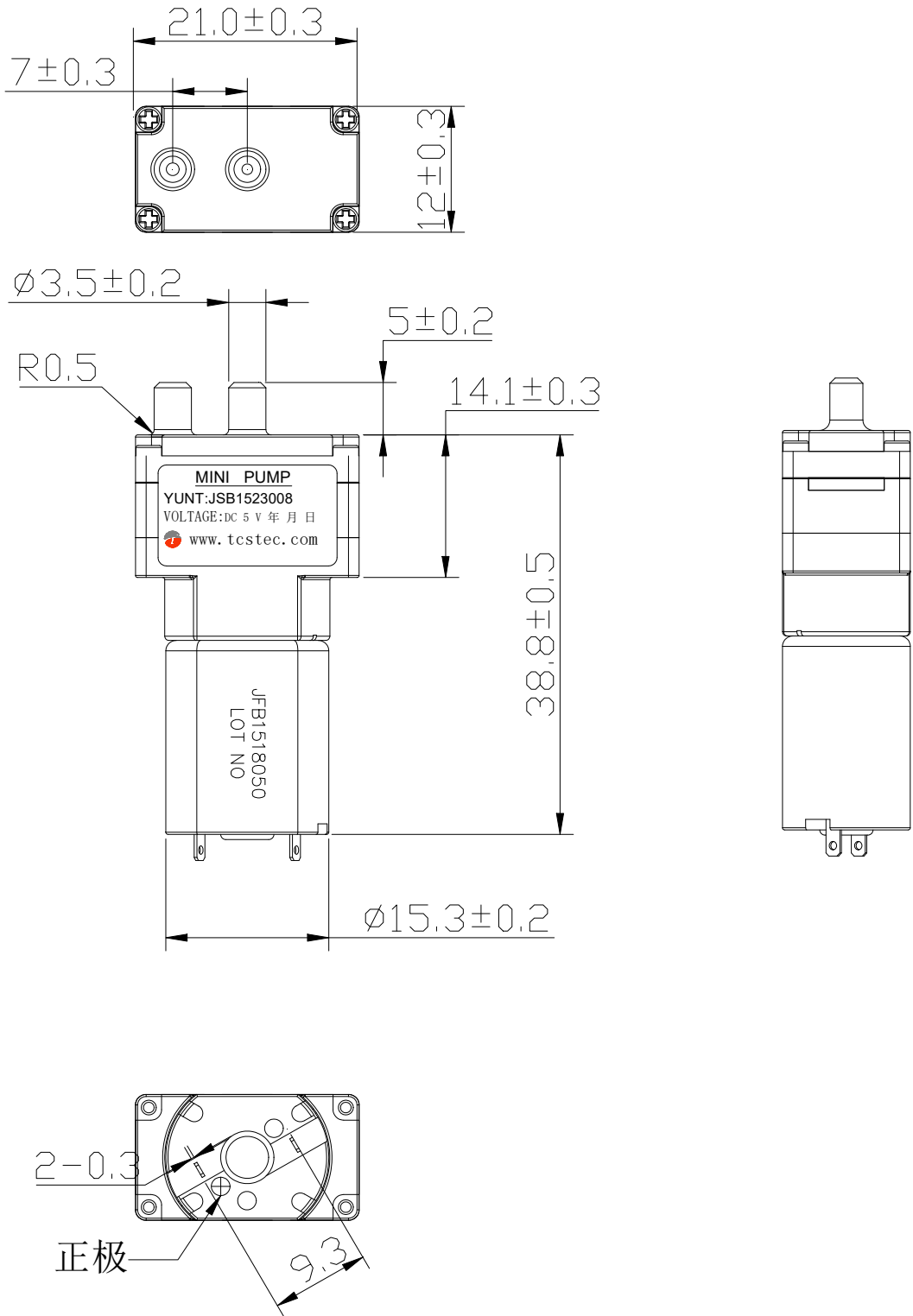
9 结构图 Structural drawing:



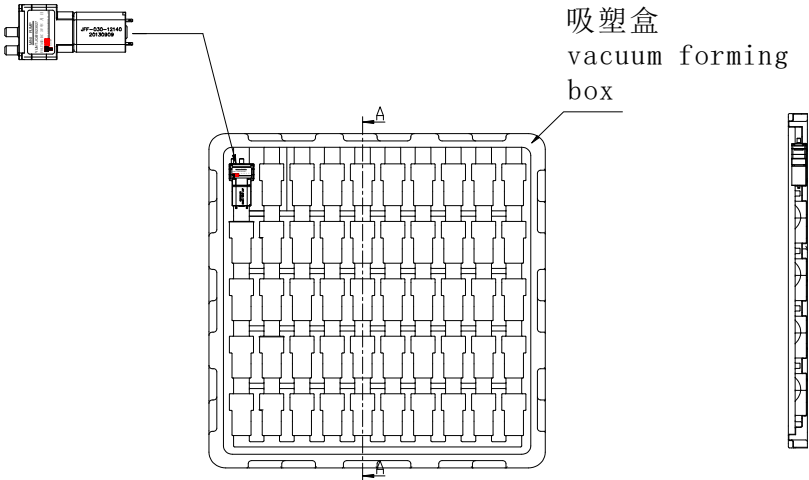
10 材料表 Material list:

号码NO.	名称NAME.	材料MATERIAL.
1	塑胶B1	PLASTIC
2	塑胶B2	PLASTIC
3	塑胶B3	PLASTIC
4	塑胶B4	PLASTIC
5	塑胶B5	PLASTIC
6	塑胶B6	PLASTIC
7	钢针	STEEL
8	螺丝	SUS1006
9	橡胶	RUBBER
10	马达	DC5.0V

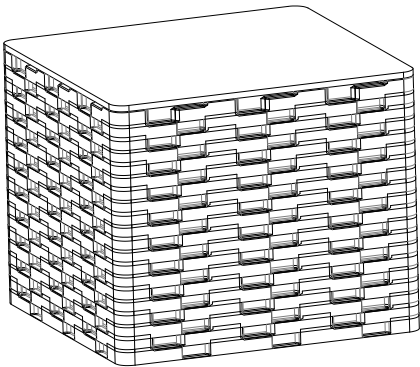
11.成品外形图 Finished Outline



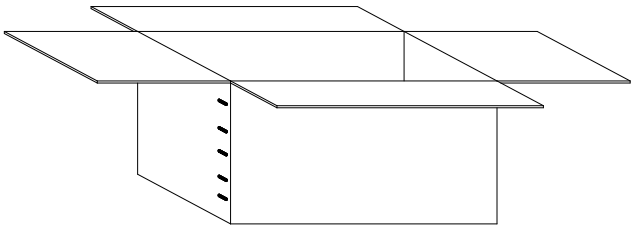
12.包装图 Packaging



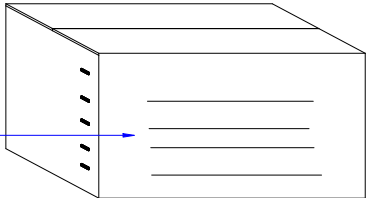
每盒50PCS
50PCS/box



每箱共装20层吸塑盒共50PCS水泵
 $20 \times 50 = 1000 \text{ PCS/ Carton}$



TYPE:
P/O NO:
CUSTOMER:
Q'TY: PCS
G'RS.WT: KG
NET.WT: KG



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