

承认用规格书

SPECIFICATIONS

客户 Customer	Bluetag CO., LTD
品名 Description	微型空气泵 (Mini Pump)
机种名 Model	JSG27A06B
日期 Date	2025.10.05
客户机种名 Customer Model	

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※ 客户承认用印栏 (Customer Approved Signatures)

承 认	受 印

深圳市精塑光科技有限公司
Shenzhen Jingsuguang Technology Co.Ltd

承认 Approval	审核 Check	作成 Prepare
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No.	日 期 Date	变更理由.变更内容 Reason or Contents	作成 Prepare	审核 Checked
1	2025/9/5	Emily, raised a wiring problem.	Already changed	Emily Zhou
2	2025/9/8	Change the interface again according to customer email	Already changed	Zoe Zhou

1.适用范围 Application

本规格书适用 KPK27A06B 之用。
The specifications apply for KPK27A06B use。

2. 试样要求 Test sample requirement:

2.1	测试环境 Testing environmen	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 5-45℃相对湿度 30-80%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 5~45℃ and relative humidity of 30~80%RH.
2.2	测试姿势 position	水平摆放 Horizontal
2.3	介质 Medium object	空气 Air
2.4	使用温度范围 Operation temperature range	5 ~50℃(Humidity to 30% to 80%RH)
2.5	保存温度范围 Preservation temperature range	-20 ~60℃(Humidity to 30% to 85%RH)

3.技术规格 Technical specifications:

3.1	额定电压 Rated voltage	DC6.0V	
3.2	使用电压范围 Operating voltage range	DC4.8V~7.2V	
3.3	额定电流 Rated current	在 DC 6.0V 空载运行下测试最高电流值。 Non-Loading current at DC 6.0V voltage	< 300mA Less than 300mA
3.4	噪音 Noise	下垫 5cm 厚之海绵, 距噪音计 45cm 之处, 在 DC12.0V 之电压下, 从 0 到最大充气压力 值过程中所测得之最大 dB 值。 The maximum dB value measured from 0 to the maximum charging pressure at DC12.0V, with a sponge 5cm thick underneath and 45cm away from the noise meter.	< 60dB Less than 60dB
3.5	流量 Flow	DC6.0V 下空载测试 Test under no-load and voltage below DC6.0V	≥2.0LPM
3.6	最大充气压力 Maximum pressure	在 DC6.0V 电压下, 接气压计时测试的最大 压力值。 The maximum pressure that measured by barometric timing at DC6.0V.	≥80KPA

4.环境试验 Environmental Tests:

4.1	低温放置试验 Low temperature placement test	在-20℃放置 72 小时后, 再置于常温(20±5℃)中 2 小时, 依下列项目测试无异状: 3-3, 3-5, 3-6。 After being placed at -20℃ for 72 hours, and then placed at ambient (20±5℃) for 2 hours, there is no difference according to the following items 3-3, 3-5, 3-6.
4.2	高温放置试验 High temperature placement test	在 60℃放置 72 小时后, 再置于常温(20±5℃)中 2 小时, 依下列项目测试无异状: 3-3, 3-5, 3-6。 After being placed at 60℃ for 72 hours, and then placed at ambient (20±5℃) for 2 hours, there is no difference according to the following items 3-3, 3-5, 3-6.
4.3	高温高湿放置试验 High-temperature & High humidity placement test	在温度 60℃、湿度 80~85%环境中放置经 72 小时后, 再置于常温(20±5℃)中 2 小时, 依下列项目测试无异状: 3-3, 3-5, 3-6。 After being placed at 60℃ and 80~85% humidity for 72 hours, and then placed at ambient (20±5℃) for 2 hours, there is no difference according to the following items 3-3, 3-5, 3-6.
4.4	寿命试验 Life test	充气 10 秒停 10 秒一共 20 秒为一回圈测试, 30000 次以后符合 3.3, 3.5, 3.6 的 20%范围测试要求 Inflate for 10 seconds ,stopping for 10 seconds , and Return for 20 seconds is as one cycle. Doing it tor 30000 times, then examine the pump by test 3.3, 3.5, 3.6 of 20%Range and figure out that the pump is sitll in a good function

5.特殊环境测试 Thermal test performance:

5.1	低温负荷测试 Low-temperature load test	在温度 5℃放置 5 小时后，立即在此温度下依下列项目测试无异状: 3-3, 3-5, 3-6。 After placing at 5℃ for 5 hours, immediately test at this temperature with the following items: 3-3, 3-5, 3-6.
5.2	高温负荷测试 High-temperature load test	在温度 50℃放置 5 小时后，立即在此温度下依下列项目测试无异 状: 3-3, 3-5, 3-6。 After placing at 50℃ for 5 hours, immediately test at this temperature with the following items: 3-3, 3-5, 3-6.

6.其他 Others:

6.1	落地实验 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 show be abnormal 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.
6.2	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.

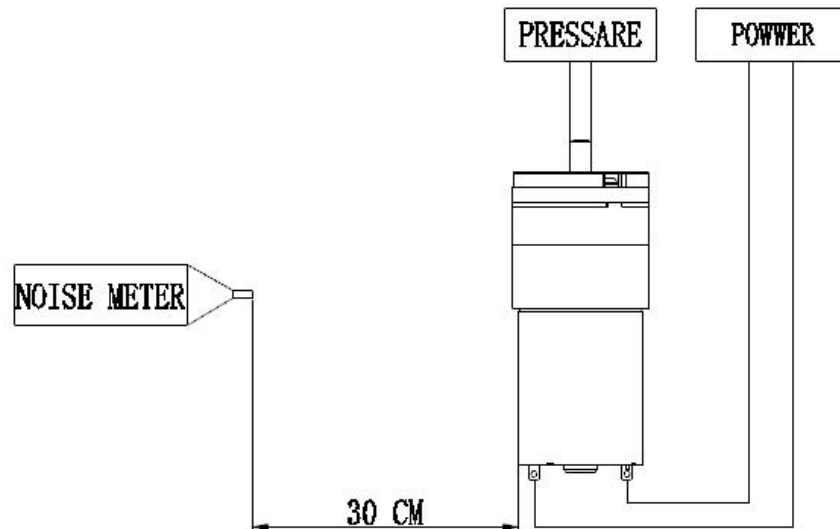
7. 允收标准 Acceptable standard

依据 MIL-STD-105E (GB/T 2828.1) , 一般检查水准II (AQL=0.65)

Acceptable standard is according to the MIL-STD-105E(GB/T 2828.1)(LOT.SIZE II AQL=0.65)

8. 附图一 噪音测试标准

Figure I Noise test standard



9. 成品外形图 Finished Outline

