



东莞市宗旨电子科技有限公司

DONGGUAN ZONGZHI ELECTRONIC TECHNOLOGY CO.,LTD

產品規格書
PRODUCT SPECIFICATION

客 戶

Customer

客 戶 型 號

Customer P/N

產 品 名 稱

双头真空泵

Part Name

產 品 型 號

Model No.

AM775HSB DC12V

CUSTOMER APPROVED 客戶確認	CHECKED 核 对	INSPECTION 審 查	APPROVAL 批 准	DATE 日 期	Version 版 本
AIM TECH APPROVED 宗旨確認	DRAWN 編 制	CHECKED 審 核	APPROVAL 批 准	DATE 日 期	Version 版 本
	陈国雄	姜智慰	郑志强	2025.01.11	1.0

廠址：廣東省东莞市市大朗镇富民南路 11 号

Add: No.11 Fumin Road, Dalang Town, Dongguan City, Guangdong Province

Http:// www.gdaim.com

Tel: +86 769 82915326

Fax: +86 769 82915572

<div></div> <div>东莞市宗旨电子科技有限公司</div> <div>DONGGUAN AIM ETELECTRONICS TECHNOLOGY.,LTD</div>	客戶編 Customer		產品型號 Model No.																
			AM775HSB																
	文件編 Document No.		頁次 Page																
	AM-GGS-0016		2 of 9																
<div>1.適用範圍 Application:</div> <div>本規格書適用於微型泵 AM775HSB/DC12V 之用。</div> <div>This specification is applicable to Micro air Pump AM775HSB/DC12V</div> <div>2.測試條件 Test condition:</div> <div>2-1 測試環境溫度濕度：周圍溫度 20℃，相對濕度 65％RH 為標準。如無爭議發生可以在下述環境測試：周圍溫度 5—45℃，相對濕度 30—80％RH</div> <div>The standard of environment test is the ambient temperature of 20 ℃ and relativehumidity 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。</div> <div>2-2 測試姿勢 position:</div> <div>水平 Horizontal</div> <div>2-3 負荷 Load:</div> <div>空氣 air</div> <div>3.性能 Function(FIG3):</div> <table><thead><tr><th>項目 Item</th><th>性能 Function</th><th>備註 Remarks</th></tr></thead><tbody><tr><td>3-1 額定電壓 Rated voltage</td><td>12V</td><td></td></tr><tr><td>3-2 使用電壓 Operating voltage</td><td>11.5V-12.5V</td><td></td></tr><tr><td>3-3 空載電流 no-load current</td><td><2.6A</td><td></td></tr><tr><td>3-4 抽氣時間 Flushing time:</td><td><30s</td><td>使用 DC12V 的電壓下在 1000CC 容器中抽氣壓力從 0 到 90Kpa 所用時間小於 30 秒 It takes less than 30 seconds to draw the gas pressure in a 1000CC container at a voltage of DC12V</td></tr></tbody></table>					項目 Item	性能 Function	備註 Remarks	3-1 額定電壓 Rated voltage	12V		3-2 使用電壓 Operating voltage	11.5V-12.5V		3-3 空載電流 no-load current	<2.6A		3-4 抽氣時間 Flushing time:	<30s	使用 DC12V 的電壓下在 1000CC 容器中抽氣壓力從 0 到 90Kpa 所用時間小於 30 秒 It takes less than 30 seconds to draw the gas pressure in a 1000CC container at a voltage of DC12V
項目 Item	性能 Function	備註 Remarks																	
3-1 額定電壓 Rated voltage	12V																		
3-2 使用電壓 Operating voltage	11.5V-12.5V																		
3-3 空載電流 no-load current	<2.6A																		
3-4 抽氣時間 Flushing time:	<30s	使用 DC12V 的電壓下在 1000CC 容器中抽氣壓力從 0 到 90Kpa 所用時間小於 30 秒 It takes less than 30 seconds to draw the gas pressure in a 1000CC container at a voltage of DC12V																	
編制：陈国雄	審核：姜智慰	批準：郑志强	Version	Date															
			1.0	2025.01.11															

 东莞市宗旨电子科技有限公司 DONGGUAN AIM ETELECTRONICS TECHNOLOGY.,LTD	客戶編 Customer	產品型號 Model No.
		AM775HSB
	文件編 Document No.	頁次 Page
	AM-GGS-0016	3 of 9

項目 Item	性能 Function	備註 Remarks
3-5 噪音 Noise	Lessthan 80dB(空 载噪音)	將泵體之下墊 5cm 厚的海綿,放置在距離 噪音儀 30cm 位置, 12V 電壓下所測得的 dB 值。 Place a 5cm thick sponge under the pump body at 30cm away from the noise meter and measure the dB value at 12V voltage.
3-6 真空度 vacuum degree	>95Kpa	Rated voltage
3-7 流量 Flow LPM	≥13LPM	Rated voltage
3-8 使用溫度範圍 Operation temperature range	溫度 5℃~50℃ 濕度 30%~80%	The temperature have to be between 5℃ and 50℃ and humidity must is between 30 % and 80 % RH to function the pump well.
3-9 保 存 溫 度 範 圍 Preservation temperature range	溫 度 -20℃~60℃ 濕度 30%~85%	The temperature has to be between negative 20℃and positive 60℃ and humidity has to be between 30 % and 85 % RH to keep the pump in a good condition.


4.可靠性試驗 Reliability test:


4-1 低溫特性 Low-temperature characteristic:

放置在-20℃經 72 小時後，再取出置於常溫（20℃±5℃）中 2 小時按 3.3 3.6 3.7
測試無異常。

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 two hours.Under this circumstance，
running through test 3.3 3.6 3.7 and finding out that the pump still performs well.

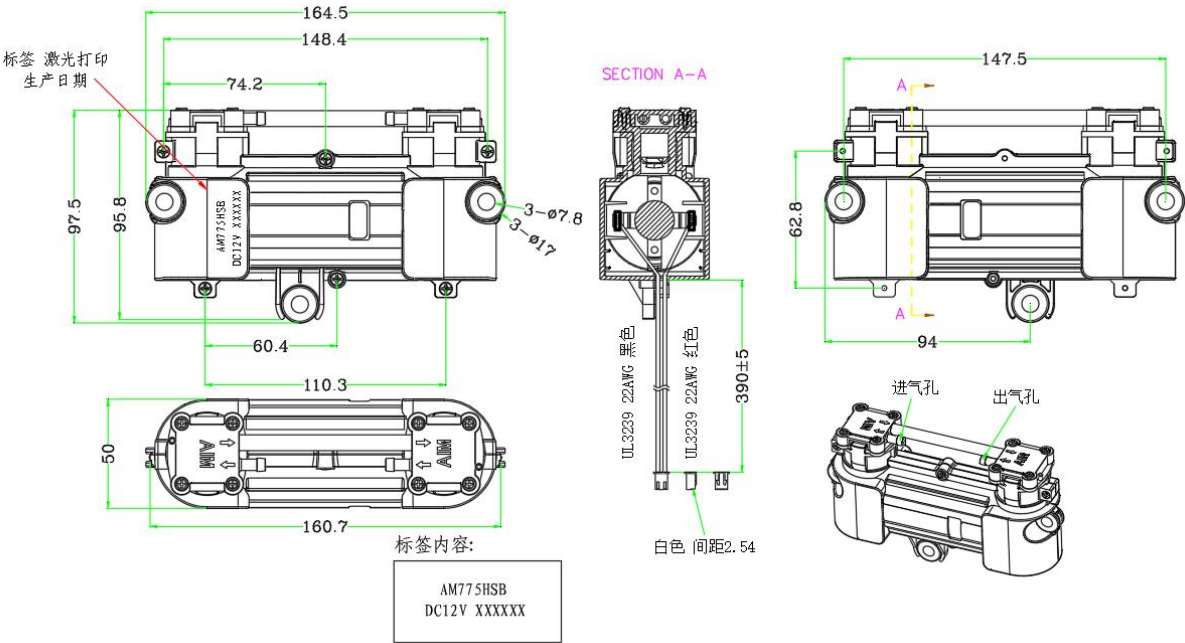
編制：陈国雄	審核：姜智慰	批准：郑志强	Version	Date
			1.0	2025.01.11

<div></div> <div>东莞市宗旨电子科技有限公司</div> <div>DONGGUAN AIM ETELECTRONICS TECHNOLOGY.,LTD</div>	客戶編 Customer		產品型號 Model No.		
			AM775HSB		
	文件編 Document No.		頁次 Page		
	AM-GGS-0016		4 of 9		
<div>4-2 高溫特性 High-temperature characteristic:</div> <div>在 60℃ 經 72 小時放置後,再取出置於常溫(20℃ ± 5℃)中 2 小時按 3.3 3.6 3.7 測試無異常。</div> <div>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 two hours。Under this circumstance, running through test 3.3 3.6 3.7 and finding out that the pump still performs well.</div>					
<div>4-3 高溫高濕 High-temperature & High humidity:</div> <div>在溫度 60℃, 濕度 80~85% 環境中 72 小時取出置於常溫 (20℃ ± 5℃) 中 2 小時按 3.3 3.6 3.7 測試無異常。</div> <div>Putting the pump in the temperature at 60℃ and the humidity between 80~85% for 72 hours; then taking it out and putting it in a room temperature at 20℃ ± 5℃ for two hours. Under this circumstance, running through test 3.3 3.6 3.7 and finding out that the pump still performs well.</div>					
<div>4-4 壽命試驗 Life test:</div> <div>在 1000CC 容器中,抽氣 30 秒 停 15 秒為一迴圈 測試 30,000 次以後按 3.3 3.6 3.7 測試無異常。</div> <div>In 1000CC container, pump 30 seconds stop 15 seconds for one lap test 20,0000 after 3.3 3.6 3.7 test no abnormality.</div>					
<div>4-5 低溫環境測試 Low— temperature environment test:</div> <div>在 5℃ 經 5 小時後 在此溫度下測試無異狀。</div> <div>Measuring after 5 hours neglect and there are no abnormalities a deed following test in 5℃.</div>					
<div>4-6 高溫環境測試 High— temperature environment test:</div> <div>在 50℃ 經 5 小時後 在此溫度下測試無異狀。</div> <div>Measuring after 5 hours neglect and there are no abnormalities a deed following test in 50℃.</div>					
編制: 陈国雄		審核: 姜智慰		批准: 郑志强	
				Version	Date
				1.0	2025.01.11

<div></div> <div>东莞市宗旨电子科技有限公司</div> <div>DONGGUAN AIM ETELECTRONICS TECHNOLOGY.,LTD</div>	客戶編 Customer		產品型號 Model No.		
			AM775HSB		
	文件編 Document No.		頁次 Page		
	AM-GGS-0016		5 of 9		
<div>5.其他 Others</div> <div><div>5-1 跌落試驗 Fall test:</div><div>使用標準的包裝方式，在水泥地面上將其從 50CM 的高度分別從正面、側面、邊角自由落下其性能及結構無異常。</div><div>Basic performance and the structure shall not be defected ater following test: With a standard packaging conditions, the dropping it at the front, side, and edges part from 50cm height to the concrete floor.</div></div> <div><div>5-2 異常試驗 Unusual test:</div><div>用 DC 12.0V 連續通電 8 小時無燃燒、冒煙現象。</div><div>There is no burning and smoking occurrence while the power is on with DC 12.0V for 8 hours continuously.</div></div> <div><div>5-3 馬達端子 Motor Terminal:</div><div>以 0.5 公斤砝碼與端子負載無異常。端子須在 380℃烙鐵溫度下焊接，要求在 2S 內操作完成</div><div>No abnormality occurs when a 0.5Kg static is hanging in the parallel direction of the Terminals .The terminals must be 380 °C temperature soldering iron, the requirements to complete the operation in 2 seconds.</div></div> <div><div>5-4 外觀 Appearance:</div><div>產品不能有破損，臟汙。</div><div>The appearances of the valve shall not contain cracks and impurities,which will decrease the value of the goods.</div></div> <div><div>6.如對此份規格書有任何須修改、增加、或刪除的意見，需經過客戶及宗旨公司雙方面的協商。</div><div>In case any modifications, addition or elimination on this specifications are necessary, Decisions shall be made through the negotiations between our customer and AIM Electronic co.,LTD.</div></div>					
編制：陈国雄	審核：姜智慰	批准：郑志强	Version	Date	
			1.0	2025.01.11	

客戶編 Customer	產品型號 Model No.
	AM775HSB
文件編 Document No.	頁次 Page
AM-GGS-0016	6 of 9

7.外形尺寸
 Dimensions



8.圖片
 photo



編制: 陈国雄	審核: 姜智慰	批准: 郑志强	Version	Date
			1.0	2025.01.11



东莞市宗旨电子科技有限公司

DONGGUAN AIM ELECTRONICS
TECHNOLOGY.,LTD

客戶編 Customer

產品型號 Model No.

AM775HSB

文件編 Document No.

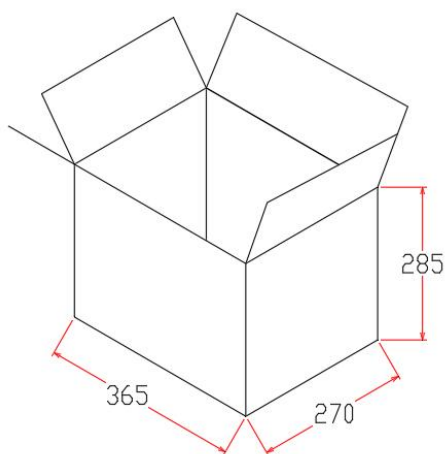
頁次 Page

AM-GGS-0016

7 of 9

9.包裝 Packing

每箱包裝數量
30PCS / carton



10.重量 Products weight

525g/pc
15000g/carton

編制：陈国雄

審核：姜智慰

批准：郑志强

Version

Date

1.0

2025.01.11



东莞市宗旨电子科技有限公司

DONGGUAN AIM ELECTRONICS
TECHNOLOGY.,LTD

客戶編 Customer

產品型號 Model No.

AM775HSB

文件編 Docume nt No.

頁次 Page

AM-GGS-0016

8 of 9

11. ROHS 承諾書:

ROHS letter of commitment:

宗旨公司鄭重保證，本公司向提供的全部產品或零部件均不含以下禁止物質（包括未滿限制值的情況）

限用物質一覽表：國內外法律禁止製造、禁止使用、限制含有之物質。

- 1) Cadmium and its Compounds(Cd) 鎘及其化合物
- 2) Lead and its Compounds(Pb) 鉛及其化合物
- 3) Mercury and its Compounds(Hg) 水銀及其化合物
- 4) Hexavalent Chromium Compounds(Cr6+) 六價鉻化合物
- 5) Polybrominated Biphenyls (PBBs) 多溴聯苯
- 6) Polybrominated Diphenyl ethers(PBDEs) 多溴二苯醚
- 7) Asbestos 石棉
- 8) Polychlorinated Biphenyls (PCBs) 多氯化聯苯
- 9) Tributyl Tin Oxide(TBTO) 三丁基氧化錫
- 10) Tributyl Tins & Triphenyl Tins 三苯基錫及三丁基錫類
- 11) Formaldehyde 甲醛
- 12) Polychloronaphthalenes(Cl>3) 多氯化萘
- 13) Short Chain Chlorinated Paraffins 短鏈氯化石蠟
- 14) Brominated Flame Retardants 含溴阻燃劑
- 15) Vinyl Chloride Polymer PVC 膠皮
- 16) Azo Colorants 偶氮類染料及顏料
- 17) Ozone depleting Substances 破壞臭氧層物質
- 18) radioactive Substances 放射性物質

宗旨公司禁止物質限制值的標準：

- 1、Cadmium and its compounds(Cd) 鎘及其化合物 <100 ppm
- 2、Lead and its Compounds(Pb) 鉛及其化合物 <1000 ppm
- 3、Mercury and its Compounds(Hg) 水銀及其化合物 <1000 ppm
- 4、Hexavalent chromium compounds(Cr6+) 六價鉻化合物 <1000 ppm
- 5、Polybrominated Biphenyls(PBBs) 多溴聯苯 <1000 ppm
- 6、Polybrominated Diphenyl ethers(PBDEs) 多溴二苯醚 <1000 ppm

12. 验收标准: 根据 MIL-STD-105E 单次抽样, 正常检验水平 II.

編制: 陈国雄

審核: 姜智慰

批准: 郑志强

Version

Date

1.0

2025.01.11



东莞市宗旨电子科技有限公司

DONGGUAN AIM ETELECTRONICS
TECHNOLOGY.,LTD

客戶編 Customer

AM-142

文件編 Document No.

AM-GGS-0016

產品型號 Model No.

AM775HSB

頁次 Page

9 of 9

13.文檔 Text file

FIG 1

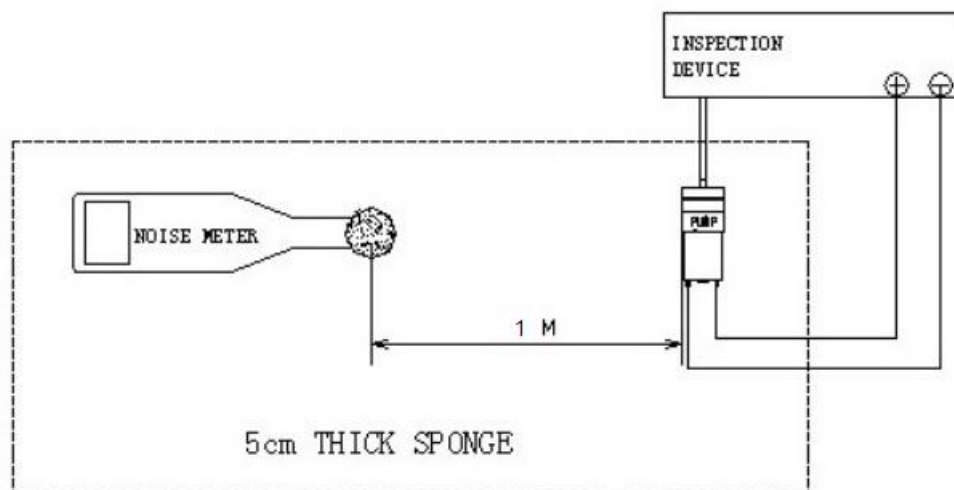
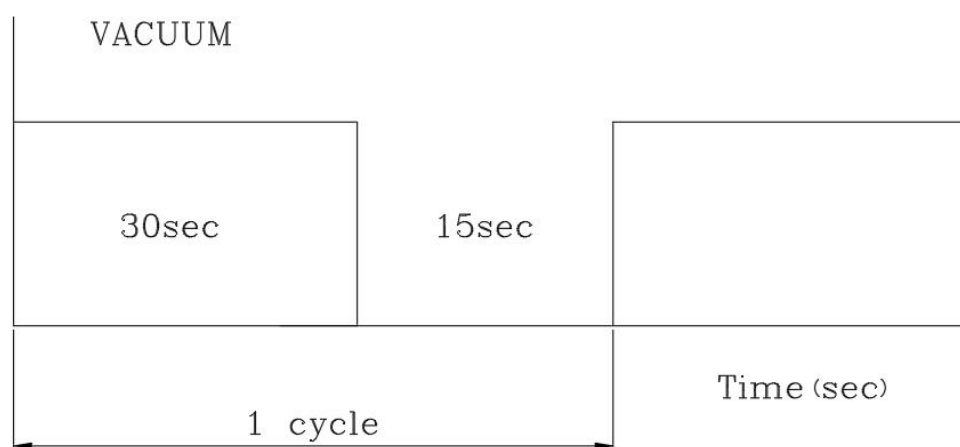


FIG 2



編制：陈国雄

審核：姜智慰

批准：郑志强

Version

1.0

Date

2025.01.11