

## Technical Report No.: 64.181.21.06196.01 Rev.00

**Date: 2022-01-10**

**Client:** Report holder's name: Zhongshan Amitime Electric Co., LTD.  
Report holder's Address: 5th Yandong Rd, Dayan Industrial Zone, Huangpu Town, 528429 Zhongshan City, Guangdong, CHINA  
Contact person of report holder: Zeng Shaohuan  
Manufacturer's name: Zhongshan Amitime Electric Co., LTD.  
Manufacturer's address: 5th Yandong Rd, Dayan Industrial Zone, Huangpu Town, 528429 Zhongshan City, Guangdong, CHINA

**Factory:** Factory's name: Zhongshan Amitime Electric Co., LTD.  
Factory's address: 5th Yandong Rd, Dayan Industrial Zone, Huangpu Town, 528429 Zhongshan City, Guangdong, CHINA

**Test object:** Product: DC Inverter Air to Water Heat Pump Unit  
Model: Outdoor unit:PAVH-09V1FBAxy; Indoor unit:PAVH-09V1FE-250L/IAxy (The variable 'xy' can be 01, 02, 03, 04, 05, 06, 07, 08, 09, 10 or blank, which denote different appearance)  
Trade mark (if any): -

**Test specification:** EN 16147:2017

**Purpose of examination:** Test according to the test specification(details see page 4, summary of testing)

**Test result:** The test results show that the presented product is in compliance with the above listed test specifications.

*Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question. It does not imply a general statement regarding the quality of products from regular production. For further details please see testing and certification regulation, chapter A-3.4.*

## 1. Description of the test object

### 1.1 Function

Manufacturer's specification for intended use:

The appliance is an air/ water heat pumps with electrically driven compressor including a domestic hot water storage tank, for indoor used.

Manufacturer's specification for predictive use:

According to the user manual.

### 1.2 Consideration of the foreseeable use

- Not applicable
- Covered through the applied standard
- Covered by the following comment
- Covered by attached risk analysis

### 1.3 Technical Data

Model	:	Outdoor unit:PAVH-09V1FBAxy; Indoor unit:PAVH-09V1FE-250L/IAxy (The variable 'xy' can be 01, 02, 03, 04, 05, 06, 07, 08, 09, 10 or blank, which denote different appearance)
Rated Voltage (V)	:	220-240V~
Rated Frequency (Hz)	:	50
Rated Power (W)	:	2366
Rated Current (A)	:	25.0
Auxiliary heater power (kW)	:	3*3kW
Protection Class	:	<input checked="" type="checkbox"/> Class I; <input type="checkbox"/> Class II; <input type="checkbox"/> Class III
Degree of Protection	:	Outdoor unit: IP X4, Indoor unit: IP X1
Construction	:	<input checked="" type="checkbox"/> Stationary <input type="checkbox"/> Portable <input type="checkbox"/> Hand-held <input type="checkbox"/> Open-frame
Supply connection	:	<input type="checkbox"/> Non detachable cord <input checked="" type="checkbox"/> Permanent connection to fixed wiring <input type="checkbox"/> Appliance inlet
Operation mode	:	<input checked="" type="checkbox"/> Continuous operation; <input type="checkbox"/> Intermittent operation; <input type="checkbox"/> Short time operation;
Rated capacity (L), if any	:	250
Net Weight (kg)	:	78kg for Outdoor unit; 121kg for Indoor unit
Refrigerant	:	R32, 1400g

Noise (dB(A)) : N/A  
Series No : WAK0008-OD-2001 for Outdoor unit;  
WAK0008-ID-2001 for Indoor unit

## 2. Order

### 2.1 Date of Purchase Order, Customer's Reference

2021-12-01, Zeng Shaohuan

### 2.2 Test Sample(s)

- Reception date(s): 2021-12-02
- Location(s) of reception:  
For Energy test:  
TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch  
Address: B1, Chuangqi Building 3, Tus Park, No.63, Chuangqi Road, Shilou, Panyu District, Guangzhou, Guangdong, China
- Condition of test sample(s): completed and can be normal operation

**2.3 Date(s) of Testing** 2021-12-02 to 2021-12-10

**2.4 Location(s) of Testing** Same as 2.2

## 3. Test Results

See Appendix No.1: Format of test results.

## 4. Remark

- 4.1** The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.
- 4.2** When the product is placed on the market, it must be accompanied with safety Instructions written in official language of the country. The instructions shall give information regarding safe operation, installation and maintenance.

## 5. Documentation

- Appendix No.1: Format of test results
- Appendix No.2: Marking plate
- Appendix No.3: Photo documentations
- Appendix No.4: Construction data form
- Appendix No.5: Test equipment list



6. Summary

1. The appliance is an air/ water heat pumps with electrically driven compressor including a domestic hot water storage tank, for indoor used.
2. The appliances are supplied by a 3-pole supply cable without plug which not supplied by manufactory.
3. The test was performed according to test specifications and the standard EN 16147 requirements, the unit were performed on the condition below:

Item	Installation or setting
Air duct	No duct for air outlet and air inlet
Tapping cycle	L
Rated target hot water temperature	45 °C
Inlet cold water temperature	10 °C
Test voltage	230V, 50Hz
Air heat source temperature	Dry bulb/wet bulb: 7°C/6°C (Average climate condition)
Ambient temperature of storage tank	20 °C
Operating setting	Heat pump only

4. All indoor units are same except the model name and appearance difference.
5. All outdoor units are same except the model name and appearance difference.
6. All tests were carried on Outdoor unit: PAVH-09V1FBA, Indoor unit: PAVH-09V1FE-250L/IA as a representative.

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch  
TÜV SÜD Group

Tested by: William Liang, Project Handler

*William Liang*

*printed name, function & signature*

Approved by: Tony Xie, Designated Reviewer

*Tony Xie*

*printed name, function & signature*





## Technical Report

### Appendix No.1: Format of test results

Dry bulb/wet bulb: 7°C/6°C (Average climate) (Table 1 to Table 5):

Table 1: Filling and heating up [stage C] (Average climate condition)		
Measured quantity	Unit	Recorded data
Heat source, Ambient DB/WB	°C	6.99/6.00
Ambient temperature of storage tank	°C	20.01
Voltage	V	230.58
Frequency	Hz	50
Electrical energy $W_{eh}$	kWh	2.011
Heating up time $t_h$	s	8592

Table 2: Standby power input [stage D] (Average climate condition)		
Measured quantity	Unit	Recorded data
Heat source, Ambient DB/WB	°C	7.01/6.00
Ambient temperature of storage tank	°C	19.99
Voltage	V	231.8
Frequency	Hz	50
Standby power input $P_{es}$	kW	0.021
Energy input during the last on-off-cycle $W_{es}$	kWh	0.6236
Duration of the last on-off-cycle $t_{es}$	s	108144

Table 3: Water draw-offs and COP calculation [stage E] (Average climate condition)			
Items	Unit	Data	Description
Heat source, Ambient DB/WB	°C	7.00/6.01	--
Ambient temperature of storage tank	°C	20.00	--
Voltage	V	232.0	--
Frequency	Hz	50	--
tTTC	H	45.24	Time period of test cycle in hours
QTC	kWh	11.635	Total useful heat energy
QHP-TC	kWh	11.368	Useful heat energy produced by heat pump
QEL-TC	kWh	0.267	Calculated heat energy produced by electricity
WEL-TC	kWh	3.259	Total electrical energy consumption
WEL-HP-TC	kWh	3.438	Total electrical energy consumption of the heat pump
$P_{es}$	kW	0.021	Standby power input
$COP_{DHW}$	--	3.570	Coefficient of performance

Table 4: Reference hot water temperature and volume of mixed water at 40 °C [stage F] (Average climate condition)		
Measured quantity	Unit	Recorded data
Heat source, Ambient DB/WB	°C	6.98/5.95
Ambient temperature of storage tank	°C	20.01

# Technical Report

## Appendix No.1: Format of test results

Voltage	V	230.94
Frequency	Hz	50
Time from starting the tapping until less than 40 °C t40	s	1063
Reference hot water temperature	°C	44.02
Maximum quantity of hot water	m <sup>3</sup>	0.205

**Table 5: Water heating energy efficiency ( $\eta_{wh}$ ) (Average climate condition)**

Measured quantity	Result	Remark
Declared load profile:	L	--
Standby heat loss $P_{stby}^{***}$	0.053 kW	--
Reference energy $Q_{ref}^{***}$	11.655 kWh	--
Daily electricity consumption $Q_{elec}^{***}$	3.265 kWh	--
Weekly electricity consumption with smart controls $Q_{elec,week,smart}^{***}$	N/A	No smart control function
Weekly electricity consumption without smart controls $Q_{elec,week}^{***}$	N/A	No smart control function
Smart control factor SCF *	N/A	No smart control function
Smart control compliance smart	0	No smart control function
Ambient correction term $Q_{cor}^{***}$	-0.2898	--
Water heating energy efficiency (smart=0) $\eta_{wh}^*$	148.1%	--
Water heating energy efficiency classes:	A+	(According (EU) No 812/2013 ANNEX II Table 1)
Water heating energy efficiency (smart=1) $\eta_{wh}^*$	N/A	No smart control function
Annual electricity consumption (AEC) ****	691 kWh/annum	--

### Supplementary information

Number of brine pump considered: no

Setting of controls: Heating mode, outlet water temperature: 45°C

The AEC calculating according to (EU) NO 812/2013:

#### 4. Calculation of the annual electricity consumption AEC and the annual fuel consumption AFC



















(a) Conventional water heaters and heat pump water heaters:

The annual electricity consumption AEC in kWh in terms of final energy is calculated as follows:


$$AEC = 0,6 \cdot 366 \cdot \left( Q_{elec} \cdot (1 - SCF \cdot smart) + \frac{Q_{cor}}{CC} \right)$$

Remark: Rounding to: \*) 1 decimal places; \*\*) 2 decimal places; \*\*\*) 3 decimal places; \*\*\*\*) nearest integer

Appendix No.2: Marking plate


Nameplate																																																																																																	
<b>Model: <u>Outdoor unit: PAVH-09V1FBA, Indoor unit: PAVH-09V1FE-250L/IA</u></b>																																																																																																	
<b>DC Inverter Air to Water Heat Pump Unit</b>																																																																																																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: right;">Outdoor unit</td> </tr> <tr> <td><b>Model Number:</b></td> <td style="text-align: right;">PAVH-09V1FBA</td> </tr> <tr> <td><b>Input Voltage:</b></td> <td style="text-align: right;">220-240V~/50Hz</td> </tr> <tr> <td><b>Input Power-Cooling:</b></td> <td style="text-align: right;">1451-2366 W</td> </tr> <tr> <td><b>Input Power-Heating:</b></td> <td style="text-align: right;">927-2097 W</td> </tr> <tr> <td><b>Circuit Breaker:</b></td> <td style="text-align: right;">20A</td> </tr> <tr> <td><b>Cooling Capacity:</b></td> <td style="text-align: right;">4900-7200 W</td> </tr> <tr> <td><b>Heating Capacity:</b></td> <td style="text-align: right;">4300-9200 W</td> </tr> <tr> <td><b>Max Operation pressure of low side:</b></td> <td style="text-align: right;">1.4MPa</td> </tr> <tr> <td><b>Max Operation pressure of high side:</b></td> <td style="text-align: right;">4.2MPa</td> </tr> <tr> <td><b>Rated input power:</b></td> <td style="text-align: right;">2366W</td> </tr> <tr> <td><b>Rated input current:</b></td> <td style="text-align: right;">25A</td> </tr> <tr> <td><b>Refrigerant:</b></td> <td style="text-align: right;">R32/ 1400g</td> </tr> <tr> <td><b>Max EER Cooling:</b></td> <td style="text-align: right;">3.1 W/W</td> </tr> <tr> <td><b>Max COP Heating:</b></td> <td style="text-align: right;">4.80 W/W</td> </tr> <tr> <td><b>Protection Class</b></td> <td style="text-align: right;">I</td> </tr> <tr> <td><b>Degree of Protection</b></td> <td style="text-align: right;">IPX4</td> </tr> <tr> <td><b>Net Weight:</b></td> <td style="text-align: right;">78kg</td> </tr> <tr> <td colspan="2">                     For outdoor use only.                      Installation &amp; service by licensed mechanic only.                      Contains fluorinated greenhouse gases covered by the Kyoto protocol.                      GWP:675:0.945 tonnes CO2 equivalent.                      Hermetically sealed.                 </td> </tr> <tr> <td style="text-align: center;"></td> <td></td> </tr> <tr> <td style="text-align: center;"></td> <td></td> </tr> <tr> <td><b>Serial Nr:</b></td> <td style="text-align: right;">WAK0008-OD-2001</td> </tr> <tr> <td colspan="2" style="text-align: center;"></td> </tr> <tr> <td colspan="2" style="text-align: center;">                     Zhongshan Amitime Electric Co.,LTD.                      5th Yandong Rd, Dayan Industrial Zone, Huangpu Town,                      528429 Zhongshan City,Guangdong, CHINA.                 </td> </tr> </table>		Outdoor unit	<b>Model Number:</b>	PAVH-09V1FBA	<b>Input Voltage:</b>	220-240V~/50Hz	<b>Input Power-Cooling:</b>	1451-2366 W	<b>Input Power-Heating:</b>	927-2097 W	<b>Circuit Breaker:</b>	20A	<b>Cooling Capacity:</b>	4900-7200 W	<b>Heating Capacity:</b>	4300-9200 W	<b>Max Operation pressure of low side:</b>	1.4MPa	<b>Max Operation pressure of high side:</b>	4.2MPa	<b>Rated input power:</b>	2366W	<b>Rated input current:</b>	25A	<b>Refrigerant:</b>	R32/ 1400g	<b>Max EER Cooling:</b>	3.1 W/W	<b>Max COP Heating:</b>	4.80 W/W	<b>Protection Class</b>	I	<b>Degree of Protection</b>	IPX4	<b>Net Weight:</b>	78kg	For outdoor use only. Installation & service by licensed mechanic only. Contains fluorinated greenhouse gases covered by the Kyoto protocol. GWP:675:0.945 tonnes CO2 equivalent. Hermetically sealed.						<b>Serial Nr:</b>	WAK0008-OD-2001			Zhongshan Amitime Electric Co.,LTD. 5th Yandong Rd, Dayan Industrial Zone, Huangpu Town, 528429 Zhongshan City,Guangdong, CHINA.		<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: right;">Indoor unit</td> </tr> <tr> <td><b>Model Number:</b></td> <td style="text-align: right;">PAVH-09V1FE-250L/IA</td> </tr> <tr> <td><b>Input Voltage:</b></td> <td style="text-align: right;">220-240V~/50Hz</td> </tr> <tr> <td><b>Cooling Capacity:</b></td> <td style="text-align: right;">4900-7200 W</td> </tr> <tr> <td><b>Heating Capacity:</b></td> <td style="text-align: right;">4300-9200 W</td> </tr> <tr> <td><b>Circuit Breaker:</b></td> <td style="text-align: right;">25A</td> </tr> <tr> <td><b>Input Power-Cooling:</b></td> <td style="text-align: right;">1451-2366 W</td> </tr> <tr> <td><b>Input Power-Heating:</b></td> <td style="text-align: right;">927-2097 W</td> </tr> <tr> <td><b>Rated input power:</b></td> <td style="text-align: right;">2366W</td> </tr> <tr> <td><b>Rated input current:</b></td> <td style="text-align: right;">25A</td> </tr> <tr> <td><b>Refrigerant:</b></td> <td style="text-align: right;">R32/ 0g</td> </tr> <tr> <td><b>PS hydraulic circuit:</b></td> <td style="text-align: right;">3 bar</td> </tr> <tr> <td><b>Electric Heater:</b></td> <td style="text-align: right;">3*3kW</td> </tr> <tr> <td><b>Max EER Cooling:</b></td> <td style="text-align: right;">3.1W/W</td> </tr> <tr> <td><b>Max COP Heating:</b></td> <td style="text-align: right;">4.8W/W</td> </tr> <tr> <td><b>Protection Class</b></td> <td style="text-align: right;">I</td> </tr> <tr> <td><b>Degree of Protection</b></td> <td style="text-align: right;">IPX1</td> </tr> <tr> <td><b>Net Weight:</b></td> <td style="text-align: right;">121kg</td> </tr> <tr> <td colspan="2">                     For indoor use only.                      Installation &amp; service by licensed mechanic only.                 </td> </tr> <tr> <td style="text-align: center;"></td> <td></td> </tr> <tr> <td style="text-align: center;"></td> <td></td> </tr> <tr> <td><b>Serial Nr:</b></td> <td style="text-align: right;">WAK0008-ID-2001</td> </tr> <tr> <td colspan="2" style="text-align: center;"></td> </tr> <tr> <td colspan="2" style="text-align: center;">                     Zhongshan Amitime Electric Co.,LTD.                      5th Yandong Rd, Dayan Industrial Zone, Huangpu Town,                      528429 Zhongshan City,Guangdong, CHINA.                 </td> </tr> </table>		Indoor unit	<b>Model Number:</b>	PAVH-09V1FE-250L/IA	<b>Input Voltage:</b>	220-240V~/50Hz	<b>Cooling Capacity:</b>	4900-7200 W	<b>Heating Capacity:</b>	4300-9200 W	<b>Circuit Breaker:</b>	25A	<b>Input Power-Cooling:</b>	1451-2366 W	<b>Input Power-Heating:</b>	927-2097 W	<b>Rated input power:</b>	2366W	<b>Rated input current:</b>	25A	<b>Refrigerant:</b>	R32/ 0g	<b>PS hydraulic circuit:</b>	3 bar	<b>Electric Heater:</b>	3*3kW	<b>Max EER Cooling:</b>	3.1W/W	<b>Max COP Heating:</b>	4.8W/W	<b>Protection Class</b>	I	<b>Degree of Protection</b>	IPX1	<b>Net Weight:</b>	121kg	For indoor use only. Installation & service by licensed mechanic only.						<b>Serial Nr:</b>	WAK0008-ID-2001			Zhongshan Amitime Electric Co.,LTD. 5th Yandong Rd, Dayan Industrial Zone, Huangpu Town, 528429 Zhongshan City,Guangdong, CHINA.	
	Outdoor unit																																																																																																
<b>Model Number:</b>	PAVH-09V1FBA																																																																																																
<b>Input Voltage:</b>	220-240V~/50Hz																																																																																																
<b>Input Power-Cooling:</b>	1451-2366 W																																																																																																
<b>Input Power-Heating:</b>	927-2097 W																																																																																																
<b>Circuit Breaker:</b>	20A																																																																																																
<b>Cooling Capacity:</b>	4900-7200 W																																																																																																
<b>Heating Capacity:</b>	4300-9200 W																																																																																																
<b>Max Operation pressure of low side:</b>	1.4MPa																																																																																																
<b>Max Operation pressure of high side:</b>	4.2MPa																																																																																																
<b>Rated input power:</b>	2366W																																																																																																
<b>Rated input current:</b>	25A																																																																																																
<b>Refrigerant:</b>	R32/ 1400g																																																																																																
<b>Max EER Cooling:</b>	3.1 W/W																																																																																																
<b>Max COP Heating:</b>	4.80 W/W																																																																																																
<b>Protection Class</b>	I																																																																																																
<b>Degree of Protection</b>	IPX4																																																																																																
<b>Net Weight:</b>	78kg																																																																																																
For outdoor use only. Installation & service by licensed mechanic only. Contains fluorinated greenhouse gases covered by the Kyoto protocol. GWP:675:0.945 tonnes CO2 equivalent. Hermetically sealed.																																																																																																	
																																																																																																	
																																																																																																	
<b>Serial Nr:</b>	WAK0008-OD-2001																																																																																																
																																																																																																	
Zhongshan Amitime Electric Co.,LTD. 5th Yandong Rd, Dayan Industrial Zone, Huangpu Town, 528429 Zhongshan City,Guangdong, CHINA.																																																																																																	
	Indoor unit																																																																																																
<b>Model Number:</b>	PAVH-09V1FE-250L/IA																																																																																																
<b>Input Voltage:</b>	220-240V~/50Hz																																																																																																
<b>Cooling Capacity:</b>	4900-7200 W																																																																																																
<b>Heating Capacity:</b>	4300-9200 W																																																																																																
<b>Circuit Breaker:</b>	25A																																																																																																
<b>Input Power-Cooling:</b>	1451-2366 W																																																																																																
<b>Input Power-Heating:</b>	927-2097 W																																																																																																
<b>Rated input power:</b>	2366W																																																																																																
<b>Rated input current:</b>	25A																																																																																																
<b>Refrigerant:</b>	R32/ 0g																																																																																																
<b>PS hydraulic circuit:</b>	3 bar																																																																																																
<b>Electric Heater:</b>	3*3kW																																																																																																
<b>Max EER Cooling:</b>	3.1W/W																																																																																																
<b>Max COP Heating:</b>	4.8W/W																																																																																																
<b>Protection Class</b>	I																																																																																																
<b>Degree of Protection</b>	IPX1																																																																																																
<b>Net Weight:</b>	121kg																																																																																																
For indoor use only. Installation & service by licensed mechanic only.																																																																																																	
																																																																																																	
																																																																																																	
<b>Serial Nr:</b>	WAK0008-ID-2001																																																																																																
																																																																																																	
Zhongshan Amitime Electric Co.,LTD. 5th Yandong Rd, Dayan Industrial Zone, Huangpu Town, 528429 Zhongshan City,Guangdong, CHINA.																																																																																																	
<p>Remark:</p> <ol style="list-style-type: none"> <li>The height of CE marking shall be higher than 5mm and the height of WEEE marking shall be higher than 7mm.</li> <li>Outdoor unit:PAVH-09V1FBAxy; Indoor unit:PAVH-09V1FE-250L/IAxy (The variable 'xy' can be 01, 02, 03, 04, 05, 06, 07, 08, 09, 10 or blank, which denote different appearance)</li> </ol>																																																																																																	

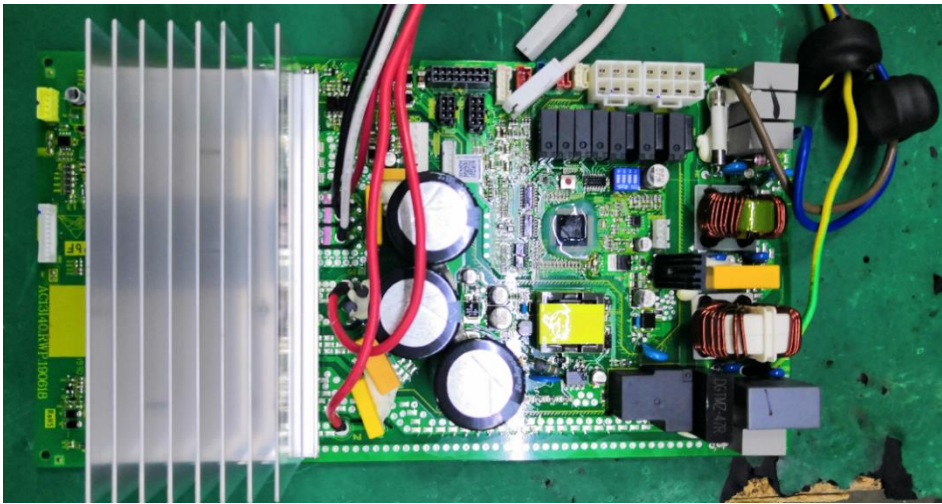
Appendix No.3: Photo documentations

Details of:	General view of Outdoor unit
<p><b>View:</b></p> <p><input type="checkbox"/> General</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right</p> <p><input type="checkbox"/> Left</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p>	

Details of:	Compressor of Outdoor unit
<p><b>View:</b></p> <p><input type="checkbox"/> General</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right</p> <p><input type="checkbox"/> Left</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p>	

Appendix No.3: Photo documentations

Details of:	Fan motor of Outdoor unit
<p><b>View:</b></p> <input type="checkbox"/> General <input type="checkbox"/> Front <input type="checkbox"/> Rear <input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> Top <input type="checkbox"/> Bottom	

Details of:	Main controller of Outdoor unit
<p><b>View:</b></p> <input type="checkbox"/> General <input type="checkbox"/> Front <input type="checkbox"/> Rear <input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> Top <input type="checkbox"/> Bottom	

Appendix No.3: Photo documentations

Details of:	Water pump
<p><b>View:</b></p> <p><input type="checkbox"/> General</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right</p> <p><input type="checkbox"/> Left</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p>	

Details of:	General view of Indoor unit
<p><b>View:</b></p> <p><input type="checkbox"/> General</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right</p> <p><input type="checkbox"/> Left</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p>	

Appendix No.4: Construction data form

Part		Technical data
1. Compressor		
	Manufacture	Mitsubishi Electric (Guangzhou) Compressor Co., Ltd.
	Type	SVB172FNPMC
	Rated capacity	-
	Serial-number	-
	Rated input	43-200V; 30-390Hz
2. Condenser		
	Manufacture	SWEP
	Type	B26Hx34/1P-SC-M
	Water tank	Plate heat exchanger
	Pipe specification	376*119*36,6mm
3. Evaporator		
	Manufacture	Foshan huize heat exchange equipment co. LTD
	Type	PAVH-09V1FBA
	Bauart Construction	Finned-coil heat exchanger
	Dimension	860x800xΦ7x25 x1,8
4. Fan motor of evaporator		
	Manufacture	NIDEC SHIBAURA (ZHEJIANG) CORP.
	Type	SIC-65FV-F162-1
	Specification	DC310V; 50Hz
	Serial-number	-
5. Controller		
	Manufacture	Ruking Emerson Climate Technologies (Shanghai) Co., Ltd
	Type	AC13I40
6. Water pump		
	Manufacture	GRUNDFOS
	Type	UPM3LK 25-75 130
	Specification	230V; 50/60Hz; 2-75W
7. Water tank		
	Manufacture	Guangzhou SST Heating Energy Co., Ltd.
	Type	PAVH-12V1FS-250L/IA
	Volume	250L
8. Heater		
	Manufacture	Nanjing Bokesi Electric Appliance Factory
	Type	BKR E341
	Specification	230V; 9000W(3*3000W)



## Appendix No.5: Test equipment list

Equipment	Brand/Manufacturer	Model	ID No.	Calibration due date
R&A performance measuring system	GEI	5HP	64-1-90-11-004	2022-12-24

--- End of Report ---