

Technical Report No.: 64.181.24.00499.01 Rev.00 Date: 2024-06-17

Client:	Name:	ThermoFLUX d.o.o
	Address:	Bage 3, 70101 Jajce, Bosnia and Herzegovina
	Contact person:	Amel Kopić
Manufacturer:	Name:	ThermoFLUX d.o.o
	Address:	Bage 3, 70101 Jajce, Bosnia and Herzegovina
Test object:	Product:	DC Inverter Air Source Heat Pumps
	Model:	MONOBLOCK TF18 R290 CT 400V
	Trade mark:	ThermoFLUX
Test specification:	√	EN 14825:2022
	v	EN 12102-1:2022
	v	EN 14511-3:2022
	\checkmark	EN 14511-4:2022 Clause 4

Purpose of examination:	Test accordi	Test according to the test specification				
examination.	1	(EU) No 813/2013				
	4	EU 2016/2282:2016-11-30				

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

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1 Description of the test object

1.1 Function

Manufacturer's specification for intended use: The appliance is air to water heat pump. Manufacturer's specification for predictive use: According to 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 :	MONOBLOCK TF18 R290 CT 400V
Rated Voltage (V) :	380-420V, 3N~
Rated Frequency (Hz) :	50
Rated Power (W) :	7830
Rated Current (A) :	16.53
Protection Class :	Class I
Protection Against Moisture :	IP X4
Construction :	Stationary
Supply connection :	Non detachable cord
	Permanent connection to fixed wiring
Operation mode:	 Continuous operation;
	Intermittent operation;
	□ Short time operation;
Refrigerant/charge (kg) :	R290 / 1.80kg
Declared parameters :	☑ Average □ Warmer □ Colder
Sound power level dB(A) :	N/A
Series No :	KAL092210600900026



2 Order

2.1 Date of Purchase Order, Customer's Reference

Date of Purchase Order: 2023-08-03, 2024-06-17

Customer's Reference: ThermoFLUX d.o.o

2.2 Test Sample(s)

- Reception date(s): 2023-08-07
- Location(s) of reception:

For Energy test:

Guangzhou Customs District Technology Center

(CNAS accredited laboratory with Registration No.CNAS L2322)

Address: No.3, Desheng East Road, Daliang, Shunde District, Foshan, Guangdong, China

For Noise tests:

CVC Testing Technology Co., Ltd.

(CNAS accredited laboratory with Registration No.CNAS L0095)

Address: No.3, Tiantai Yilu, Kaitai Avenue, Science City, Guangzhou, Guangdong, China

- Condition of test sample(s): completed and can be normal operation
- 2.3 Date(s) of Testing

2023-08-07 to 2023-10-30

2.4 Location(s) of Testing

Same as 2.2

2.5 Points of Non-compliance or Exceptions of the Test Procedure N/A

3 Test Results

☑ Decision rule according to ILAC-G8:09/2019 clause 4.2.1 Binary statement for simple acceptance rule or IEC Guide 115:2023, clause 4.3 Simple acceptance was applied.

 $\hfill\square$ Decision rule according to customer's requirements was applied. It is:

 \Box Decision rule according to ILAC-G8:09/2019 clause 4.2.2 Binary statement with guard band - guard band length = 95 % extended measurement uncertainty, was applied.

 \Box Decision rule (based on ILAC-G8:09/2019 clause 4.2.3 Non-binary statement with guard band, guard band length = 95 % extended measurement uncertainty) for an upper specification limit (A lower limit or specification with an up-per and a lower limit is treated similarly.):

• Compliance with the requirement: If a specification limit is not breached by a measurement result plus the expanded uncertainty with a 95% coverage probability, then compliance with the specification will be stated (e. g. Pass).

• Non-compliance with the requirement: If a specification limit is exceeded by the measurement result minus the expanded uncertainty with a 95% coverage probability, then non-compliance with the specification will be stated (e. g. Fail).

• Inconclusive result: If a measurement result plus/minus the expanded uncertainty with a 95 % coverage probability overlaps the limit it will be stated that it is not possible to state compliance or non-compliance.

□ There are no statements to conformity or no results with measurand stated in this report, no decision rule has been applied.

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3.1 Positive Test Results

See Appendix I

4 Remarks

4.1 General

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 I: Test results
- Appendix II: Marking plate
- Appendix III: photo documentation
- Appendix IV: Construction data form
- Appendix V: Test equipment list

6 Test History

- 1) These appliances are Air To Water Heat Pump Unit, each one including a whole compression type refrigerant circuit to heat water in another circuit. These appliances were for cooling and heating water function, this report only for heating capacity test.
- 2) The main power is supplied by a 5-pole supply cord connecting to fixed wiring.
- 3) Water enthalpy method was adopted in this report.
- 4) Standby mode power, off mode power and thermostat-off mode power were tested according to clause 12 of standard EN 14825:2022.
- 5) This test report 64.181.24.00499.01 Rev.00, dated 2024-06-17 bases on original test report 64.181.23.03037.01 Rev.00, dated 2023-11-07 to include the following changes and/or additions, which were considered technical modifications:

a) Changing report holder name and address, manufacturer name and address, trademark and model name.

b) After evaluating, no additional test was needed.

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printed name, function & signature

Tested by:	William Liang, Project Handler	Villiam . liang
	printed name, function & signature	TESTING CHUNAL
Approved by:	Plum Li, Designated Reviewer	TANK

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Table 1.	Heating mode (Low temperature application):							Р		
Model	MONOBLOCK TF18 R290 CT 400V									
Product type	Air to Water	Heating season	7	Average		Warn	ner		Colder	
1. Test condit	ions:									
Condition		Part Load Ra in %				Outdo at exch	ange		exch	or heat anger
Condition	Form	nula		/erage imates		dry (we peratu	,			tlet water itures (°C)
А	(-7-16)/(Tde	esignh-16)		88		-7(-8	3)		a	/ 34
В	(+2-16)/ (Td	esignh-16)		54		2(1))		a	/ 30
С	(+7-16)/(Tde	esignh-16)		35		7(6))		а	/ 27
D	(+12-16)/(Tc	lesignh-16)		15		12(11	1)		a	/ 24
E	(TOL	16)/ (Tdesię	gnh-16	5)		TOL	-		a/	35.3
F	(Tbival	ent-16)/(Tde	signh-	16)		Tbiv	/		a / 34	
G	(-15-16)/(Td	esignh-16)		N/A		-15			N/A	
2.Tested data General test	/correction (244/20						
General test conditions/ Part-Load	Unit	A(-7)/W34	Δ.	0/1/00						-
		(88%)		2/W30 54%)	A7/W2 (35%		A12/ (15		A(-10)/ W35.3 (100%)	A(-7)/W34 (88%)
		(88%) A						%)	W35.3	
Data collection period	 hh: min:sec		(54%)	(35%)	(15	%))	W35.3 (100%)	(88%)
		A	(54%) B	(35% C)	(15 [1:1(%))	W35.3 (100%) E	(88%) F
period The heat pump		A 3:00:00	(54%) B :10:00	(35% C 1:10:0)	(15 [1:1(%))):00	W35.3 (100%) E 3:00:00	(88%) F 3:00:00
period The heat pump defrosts		A 3:00:00	(54%) B :10:00	(35% C 1:10:0) 0	(15 [1:1(%))):00 o	W35.3 (100%) E 3:00:00	(88%) F 3:00:00
period The heat pump defrosts Electrical Prop	 erties V	A 3:00:00 Yes	(54%) B :10:00 No	(35% C 1:10:0 No) 0 7	(15 [1:1(N 40	%))):00 o	W35.3 (100%) E 3:00:00 Yes	(88%) F 3:00:00 Yes
period The heat pump defrosts Electrical Prop Voltage Current input of	 erties ∨	A 3:00:00 Yes 400.5	(54%) B :10:00 No 400.0	(35% C 1:10:0 No 401.7) 0 7	(15 [1:10 N 40 2.0	%))))))))) 0) 1.8	W35.3 (100%) E 3:00:00 Yes 400.5	(88%) F 3:00:00 Yes 400.5

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Test condition	s User Side						
Water flow	m³/h	2.20	2.20	2.20	2.20	2.20	2.20
Inlet Water temperature	°C	29.14	27.18	25.26	23.23	30.55	29.14
Outlet Water temperature	°C	33.56*	29.88	28.06	26.38	34.95*	33.56*
Test condition	s Source Sid	e		•	·		
Barometric pressure	kPa	101.02	101.01	101.01	101.02	101.01	101.02
Air inlet temperature, DB	°C	-6.94	2.01	7.01	12.01	-9.94	-6.94
Air inlet temperature, WB	°C	-7.95	1.00	6.01	10.99	-10.96	-7.95
Summary of th	e results						
Total heating capacity	kW	11.235	6.894	7.113	8.023	11.178	11.235
Effective power	kW	3.869	1.403	1.122	0.978	3.957	3.869
Coefficient of performance (COP)	kW/kW	2.90	4.92	6.34	8.21	2.82	2.90

Electric power consumptions	Unit	Value
Thermostat-off mode [P _{TO}]	kW	0.035
Standby mode [P _{SB}]	kW	0.025
Crankcase heater [P _{CK}]	kW	0.039
Off mode [P _{OFF}]	kW	0.025

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3.Calculation/conclusion for SCOP:														
Tdesignh(°C):	-10		Tbiv(°C) :	-7										
Pdesignh(kW):	12.700		TOL(°C) :	-10	-10									
Test result A, B, C, D, E, F conditions:														
Condition	Part load	Measured capacity	Measured COP	Cdh	CR	COP at part load								
E	12.700	11.178	2.82	0.90	1.00	2.82								
F	11.235	11.235	2.90	0.90	1.00	2.90								
А	11.235	11.235	2.90	0.90	1.00	2.90								
В	6.838	6.894	4.92	0.90	0.99	4.92								
С	4.396	7.113	6.34	0.90	0.62	5.97								
D	1.954	8.023	8.21	0.90	0.24	6.26								
CR: part load di	vided by capac	city;		•		CR: part load divided by capacity;								

Conclusions:	Unit	Value
SCOPon:	kWh/kWh	4.77
SCOP:	kWh/kWh	4.76
Q _H :	kWh/year	26238
Q _{HE} :	kWh/year	5510
$\eta_{s,h}$	%	187.5
Seasonal space heating energy efficiency classes: (According (EU) No 811/2013 Table 2)		A+++

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Table 2.	Heating mode (Medium temperature application):							Р			
Model	MONOBLOCK TF18 R290 CT 400V										
Product type	Air to Water	Heating season	7	Average		Warr	mer		Colder		
1. Test condit	ions:										
Condition		Part Load Ra in %	itio		hea	Outdo at exch		er		or heat anger	
Condition	Form	nula		/erage mates		dry (w peratu	'			tlet water tures (°C)	
А	(-7-16)/(Tde	esignh-16)		88		-7(-8	3)		a	/ 52	
В	(+2-16)/ (Td	esignh-16)		54		2(1))		a	/ 42	
С	(+7-16)/(Tde	esignh-16)		35		7(6))		a	′ 36	
D	(+12-16)/(To	lesignh-16)		15		12(1	1)		a	/ 30	
Е	(TOL	16)/ (Tdesię	gnh-16	5)		TOL			a /	55.3	
F	(Tbival	ent-16)/(Tde	signh-	16)		Tbiv	v		a / 52		
G	(-15-16)/(Td	esignh-16)		N/A		-15	5		N/A		
2.Tested data General test	/correction (
General test conditions/ Part-Load	Unit	A(-7)/W52	Aź								
Fall-Loau		(88%)	(2/W42 54%)	A7/W3 (35%			W30 5%)	A(-10)/ W55.3 (100%)	A(-7)/W52 (88%)	
		(88%) A	((15		W55.3	. ,	
Data collection period	 hh: min:sec			54%)	(35%)	(15 [5%)	W55.3 (100%)	(88%)	
	nn: min:sec	A		54%) B	(35% C)	(15 [1:1(9%) D	W55.3 (100%) E	(88%) F	
period The heat pump	nn: min:sec	A 3:00:00		54%) B :10:00	(35% C 1:10:0)	(15 [1:1(;%) D D:00	W55.3 (100%) E 1:10:00	(88%) F 3:00:00	
period The heat pump defrosts	nn: min:sec	A 3:00:00	1:	54%) B :10:00	(35% C 1:10:0))0	(15 [1:1(N	;%) D D:00	W55.3 (100%) E 1:10:00	(88%) F 3:00:00	
period The heat pump defrosts Electrical Prop	nn: min:sec erties	A 3:00:00 Yes	1:	54%) B :10:00 No	(35% C 1:10:0 No))0 7	(15 [1:1(N 40	9%) D D:00	W55.3 (100%) E 1:10:00 No	(88%) F 3:00:00 Yes	
period The heat pump defrosts Electrical Prop Voltage Current input of	 erties	A 3:00:00 Yes 400.0	1:	54%) B 10:00 No	(35% C 1:10:0 No 401.7	7	(15 [1:1(N 40 2.:	9%) D D:00 lo 1.7	W55.3 (100%) E 1:10:00 No 400.0	(88%) F 3:00:00 Yes 400.0	

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Test condition	s User Side						
Water flow	m³/h	1.25	1.25	1.25	1.25	1.25	1.25
Inlet Water temperature	°C	44.27	37.52	33.22	28.58	48.01	44.27
Outlet Water temperature	°C	51.48*	41.98	37.78	33.82	55.10	51.48*
Test condition	s Source Side	; ;		-	-	-	
Barometric pressure	kPa	99.85	99.85	99.85	99.80	99.75	99.85
Air inlet temperature, DB	°C	-6.95	2.00	7.00	12.00	-9.99	-6.95
Air inlet temperature, WB	°C	-7.92	1.03	6.01	11.00	-10.92	-7.92
Summary of th	e results						
Total heating capacity	kW	10.359	6.417	6.567	7.570	10.164	10.359
Effective power input	kW	4.738	1.686	1.306	1.179	4.919	4.738
Coefficient of performance (COP)	kW/kW	2.19	3.81	5.03	6.42	2.07	2.19

Electric power consumptions	Unit	Value
Thermostat-off mode [P _{TO}]	kW	0.035
Standby mode [P _{SB}]	kW	0.025
Crankcase heater [P _{CK}]	kW	0.039
Off mode [P _{OFF}]	kW	0.025

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3.Calculation/conclusion for SCOP:						
Tdesignh(°C):	-10		Tbiv(°C) :	-7		
Pdesignh(kW):	11.710		TOL(°C) :	-10		
Test result A,	B, C, D, E, F	condition	S:			
Condition	Part load	Measured capacity	Measured COP	Cdh	CR	COP at part load
E	11.710	10.164	2.07	0.90	1.00	2.07
F	10.359	10.359	2.19	0.90	1.00	2.19
А	10.359	10.359	2.19	0.90	1.00	2.19
В	6.305	6.417	3.81	0.90	0.98	3.81
С	4.053	6.567	5.03	0.90	0.62	4.73
D	1.801	7.570	6.42	0.90	0.24	4.86
CR: part load divided by capacity;						

Conclusions:	Unit	Value
SCOPon:	kWh/kWh	3.70
SCOP:	kWh/kWh	3.69
Q _H :	kWh/year	24192
Q _{HE} :	kWh/year	6550
$\eta_{s,h}$	%	144.7
Seasonal space heating energy efficiency classes: (According (EU) No 811/2013 Table 1)		A++

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Table 3a.	Sound power level measurement (Low temperature application)			Р	
Model	MONOBLOCK TF18	•			
	Product type :	Air to Water			
	Outdoor heat exchar	7.0 / 6.0			
	Indoor heat exchang	er, Water inlet/outlet te	emperature (°C):	30.0 / 35.0	
	Voltage (V):			400	
	Frequency (Hz):			50	
	Working condition class :				
	Acoustical environment : Windshield type :			Hemi-anechoic room	
				Sponge	
	Measured position a	14			
Measured quantity		L _{WA,indoors} (dB(A))	L _{WA,outdoors} (dB(A))	Remark	
Sound press	sure level $\overline{L}_{p(ST)}^{****}$		46		
Measurement distance d *			1.0m		
Sound power level L _{wA} ****			61		
Duct connect			***) 3 decimal places; ****) n	earest integer	

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Table 3b.	Sound power level	Р			
Model	MONOBLOCK TF18 R290 CT 400V				
	Product type :	Product type :			
	Outdoor heat exchar	Outdoor heat exchanger, Air temperature DB/WB (°C):			
	Indoor heat exchang	er, Water inlet/outlet te	emperature (°C):	47.0 / 55.0	
	Voltage (V):			400	
	Frequency (Hz):			50	
	Working condition class :			Class A	
	Acoustical environment :			Hemi-anechoic room	
	Windshield type :			Sponge	
	Measured position a	14			
Meas	sured quantity	L _{WA,indoors} (dB(A))	L _{WA,outdoors} (dB(A))	Remark	
Sound pres	sure level $\overline{L}_{p(ST)}^{****}$		46		
Measurement distance d *			1.0m		
Sound power level L _{wA} ****			61		
Duct conne			***) 3 decimal places; ****) nea	rest integer	

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Table 4.	Clause 4 of EN 14511-4:2022			
Model:	MONOBLOCK TF18 R290 CT 400V			
TEST 1	STARTING TEST (§4.2.1.2 Table 3)			
Requirement: The "lower" starting operating conditions declared by the manufacturer for the heating mode- i.e. Tair= -25.05 °C, T in water = 8.48 °C, Flow rate 1.12 m ³ /h have been set and obtained. At those conditions, the machine was switched on.				
Observation/ Evaluation: It started without any problem and worked for 30 minutes without showing any warning or alarm. During the test the machine operated in auto mode. No damage was recorded on the machine during and after the test.				
Test Resp	onse: Pass			

TEST 2 OPERATING TEST (§4.2.1.2 Table 3)

Requirement: From the machine "lower" starting conditions - i.e. - the machine was brought to the lower operating conditions declared by the manufacturer for the heating mode- i.e. Tair= -25.00 °C, T in water = 50.68°C, Flow rate 1.12 m³/h. Once these conditions were obtained, the machine was let operate for over 1 hour in auto mode.

Observation/ Evaluation: During the test, no waring or alarm were showed. No damage was recorded on the machine during and after the test.

Test Response: Pass

TEST 3 SHUTTING OFF WATER FLOW (§ 4.5)

Requirement: The water flow rate was shuted off through manual and automatic valves of the test rig. The machine switched off and only the flow switch Protection appeared on the user interface of indoor unit.

Observation/ Evaluation: Perform error reset operation, once the water flow rate was restored, the machine restarted automatically and worked for 30 minutes normally. No damage was recorded on the machine during and after the test.

Test Response: Pass

TEST 4 SHUTTING OFF AIR FLOW (§ 4.5)

Requirement: The air flow rate was shutted off through a plastic sheet and a panel. The machine never turned off. It continued to operate with continuous frosting and defrosting cycles. After more than half an hour, the air flow rate was restored and the machine started to operate normally.

Observation/ Evaluation: During the test, no waring or alarm were showed. No damage was recorded on the machine during and after the test.

Test Response: Pass

TEST 5 COMPLETE POWER SUPPLY FAILURE (§ 4.6)

Requirement: The power supply was cut off for about 5 seconds.

Observation/ Evaluation: The unit restarted automatically within about 3 minutes after the power supply was reactivated.

Test Response: Pass

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Appendix II Marking plate

Nameplate

Model: MONOBLOCK TF18 R290 CT 400V

Thermol	FLUX
DC Inverter toplotne	
EVI DC Inverter Air So	-
Model Napajanje	MONOBLOCK TF18 R290 CT 400
Power Supply	380-420V 3N~/50H
Kapacitet grijanja min./max.	
Heating Capacity min./max.	6,90 / 15,00 kV
Potrošnja el. energije - grijanje	1 22 / 2 02 1/14
Heating Input Power min./max.	1,33 / 3,92 kW
COP grijanje min./max.	3,83 / 5,1
Heating COP min./max.	5,05 / 5,1
Kapacitet hlađenja min./max.	5,7 / 12,4 kV
Cooling Capacity min./max.	
Potrošnja el. energije - hlađenje	1,6 / 5,17 kW
Cooling Input Power min./max.	
Prosječna potrošnja/Jačina struje	7,83 kWh / 16,53
Rated. Input Power/Current	
Max. temperatura polaza vode	75°
Max. Water Outlet Temperature	
Max. protok cirk. pumpe	6,2 m ³ /
Max. Water Pump Flow	
Max. dobava cirk. pumpe Max. Water Pump Head	ו 10,5
Nazivni protok	
Rated Water Flow	3,1 m ³ /
•	
Rashladno sredstvo / težina	R290 / 1,8 k
Refrigerant/Weight 🛛 🖊 🖳	
Niski i visoki radni pritisak freona	0.05 / 2.2 M
Low/High side operation pressure	0,85 / 3,2 MF
Max. dozvoljeni pritisak freona	2.2 М
Maximum allowable pressure	3,2 MF
Max. pritisak vode	1,0 MF
Max Water Pressure	1,0 MP
Otpornost na udarce	
Shock Proof Grade	
Klasa vodootpornosti	IPX
WaterProof Level	
Pad pritiska na vodenoj strani	25 kF
Water Pressure Drop	25 Ki
Hidraulički priključak	1
Water Pipe Connection	
Netto težina	147 k
Net Weight	
Datum:/Serijski broj:	Pogledati bar cod
Date: /NO.:	See bar cod
Ekvivalentna težina punjenja s	sustava CO2: 0,0054 tona
System CO2 aquivalent cha	rge weight: 0,0054 ton
*Radni uslovi	grijanja:
*Heating workin	g condition:
Temperatura suhog termometra	-
Dry bulb temperature 7°C, W	
Temperatura ulazne vode 30°C, te	
Inlet water temperature 30°C, Ou	•
ThermoFLU: Bage br. 3, 70 Bosna i Herc	101 Jajce 🕻 🧲 🔏
www.thermo	

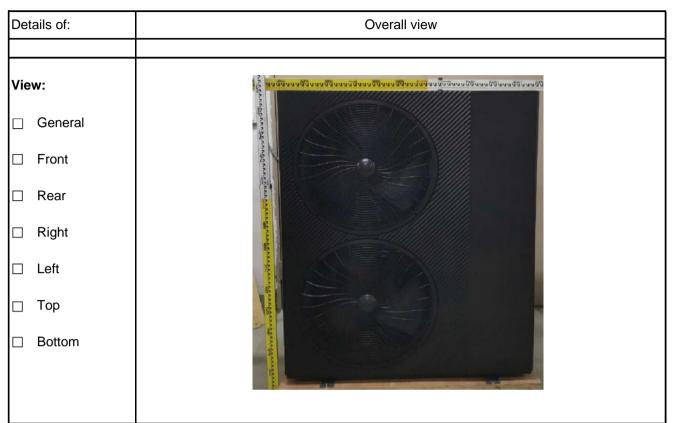
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Appendix III photo documentation



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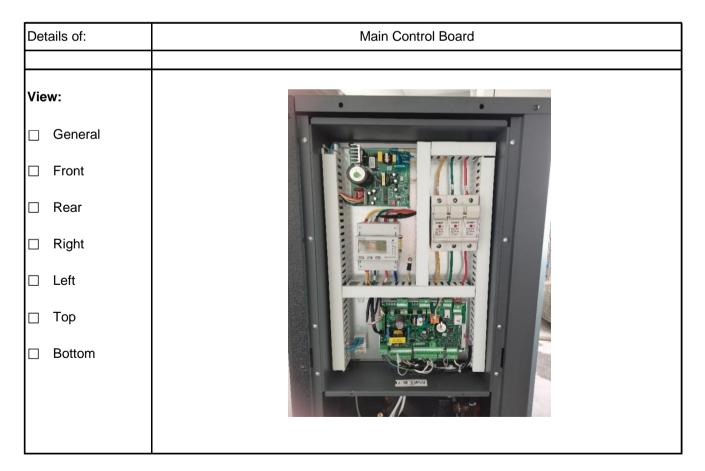


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Appendix III photo documentation

Details of: Fan Motor View: Q.C.PASS 动 WOLONG RIT Condition General RIDC RoHS (BU) FG ZWB278D04A(1821300) DC310V (YE) VSP (WH) Vcc (BK) GND □ Front 102W 8P 920r/min 白 1 教向 ROTATION _ IP24 E级 (RD) Vm 。红 卧龙电气驱动集团股份有限公司 WOLONG ELECTRIC GROUP CO.,LTD. 🗌 Rear □ Right □ Left 🗌 Тор □ Bottom

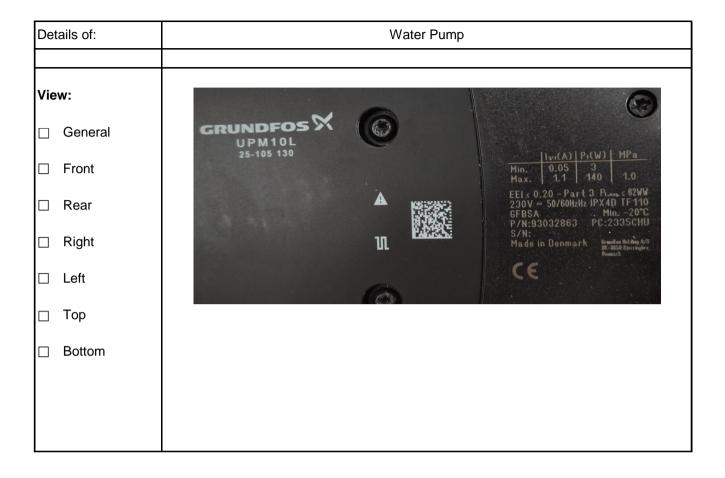


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Appendix III photo documentation

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Appendix IV Construction data form

Part		Technical data
1. Compressor		
	Manufacture:	Panasonic Wanbao Appliances Compressor
		(Guangzhou) Co., Ltd.
	Туре:	H650D7VZAAC6
	Rated capacity:	3640W
	Serial-number:	F9999997
	Specification:	DC520V; R290
2. Condenser		
	Manufacture:	Jiangsu Yuanzhuo Equipment Manfactur Co.,Ltd
	Туре:	ZL62FA-40AD-CG
	Heat exchanger:	Plate heat exchanger
	Dimension(mm):	526(L)mmX119(H)mmX91(D)mm
3. Evaporator		
	Manufacture:	Guangzhou Aotai Refrigeration Equipment Co.,Ltd.
	Туре:	06KH-CP-01
	Heat exchanger:	Finned-coil heat exchanger
	Dimension(mm):	660.4(L)mmX1300(H)mmX343.3(D)mm
4. Fan motor		
	Manufacture:	Wolong Electric Group Co., Ltd
	Туре:	ZWB278D04A
	Fan type:	3 blade
	Specification:	DC310V; 102W
5. Main control board		
	Manufacture:	CAREL
	Type:	UP3F00200T3S04
	Specification:	220-240V~; 50Hz
6. Water pump		
	Manufacture:	GRUNDFOS
	Туре:	UPM10L 25-105 130
*/ 140	Specification:	230V~; 50/60Hz
*(Alternative)		
	Manufacture:	Shinhoo
	Туре:	GPA25-11H
	Specification:	230V~; 50Hz

Remark: * means the test results were not performed on the alternative components.

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Appendix V Equipment List

No.	Туре	Manufacture	Model	Equipment ID	Calibration Due Date
1	Heat pump energy efficiency testing system	PINXIN	10HP	2017J00001	2023-11-24
2	Electromagnetic flowmeter	KROHNE	OPTIFLUX4100C	H17221264	2023-12-21
3	Anechoic rooms (hemi-anechoic rooms)	Guangzhou Kinte	-	NC-036-2	2024-10-07
4	AC source Supply	YANGHONG	YF-3600	VGDS-0637	2024-11-07
5	6 channel data logger	_	PXI-1033	VGDY-0257	2024-05-20
6	PULSE system	B & K	3660C	VGDY-0184	2024-04-12
7	Calibrator	B & K	4231	HJ-000095	2024-06-30
8	Long steel tape	_	5m	HJ-000150	2024-01-01
9	Temperature measurement system		—	NC-036-1	2024-06-07
10	Atmospheric pressure meter		—	HJ-000165	2023-11-22
11	Constant temperature water system	B & K	—	VGDS-0448	2024-04-18
12	Windscreen	B & K	WS002-5		_

-- End of Report --

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