

Report Number:

TEST REPORT

ENERGY EFFICIENCY - SMALL AIR CONDITIONER

Date of Issue: 29-Jun-2022 Date of Revise: NONE

Testing Laboratory/Address: Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd, Science

City Branch

Rm.101, G5 Building, South China Advanced Materials Innovation Park, No.31 Kefeng Rd, Guangzhou Science City, Guangzhou, 510663 China

Applicant/Address: Qingdao Hisense Hitachi Air-conditioning Systems Co., Ltd.

BXH-EGZ-P22060461-3

No.218, Qianwangang Road, Economic and Technological Development

Zone, Qingdao, China

Manufacturing Site/Address: Same as the applicant **Testing Location/Address:** Same as the applicant

Product: VRF AIR-CONDITIONER(HEAT PUMP)

Trade Mark: Hisense

Model(s): Outdoor unit:AVW-54HJFHH1

Model Similarity: N/A

Ratings: 220-240V~ 50/60Hz

Date of Sample(s) Received: 21-May-2022 **Date of Test Started:** 21-May-2022 Date of Test Finished: 27-May-2022

Standard(s)/Regulation(s): (EU) 2016/2281

EN 14825:2018

EN 14511-1,2,3,4:2018

The product tested complies with the ErP requirements. Conclusion:

Prepared by (name, function, Henry DENG signature): Engineer

Approved by (name, function, Jeff ZHANG

signature): Performance Manager

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Photos:

1. Nameplate of indoor side showing model number and serial number (if applicable)

Hisense VRF AIR-CONDITIONER(HEAT PUMP)									
MODEL AVW-54H	MODEL AVW-54HJFHH1								
RATED POWER SUPPLY	220-240 V ~ 50/60 Hz	REFRIGERANT (R410A)	4.0 kg						
COOLING CAPACITY	15.5 kW 53000 Btu/h	NET WEIGHT	90 kg						
HEATING CAPACITY	18.0 kW 61500 Btu/h	AIR FLOW RATE	4260 m³/h						
COOLING STANDARD INPUT	4.21 kW	DESIGN PRESSURE(HI./LO.)	4.15 / 2.21 MPa						
HEATING STANDARD INPUT	4.50 kW	STANDARD COOLING CONDITION	INDOOR℃ 27 DB 19 WB OUTDOOR℃ 35 DB — WB						
COOLING STANDARD CURRENT	19.3 A	STANDARD HEATING CONDITION	INDOOR℃						
HEATING STANDARD CURRENT	20.6 A	COOLING RATED. 30.0 A	INDOOR℃ 35 DB 24 WB OUTDOOR℃ 37 DB — WB						
ANTI-ELECTRIC SHOCK	CLASSI	HEATING RATED. 30.0 A 6.60 kW	INDOOR℃ 15 DB — WB OUTDOOR℃ 11 DB 7.5 WB						
DEGREES OF PROTECTION	IPX4	SERIAL NO.	QSH63WATM003						
		MANUFACTURE DATE	2022-04-13						



Qingdao Hisense Hitachi Air-conditioning Systems Co., Ltd.
218, Qianwangang Road, Economic & Technical
Development Zone, Qingdao, P.R. China

/ 1KHW0205300000 / H7D22297C / MADE IN CHINA

2. Nameplate of outdoor side showing model number and serial number (if applicable)

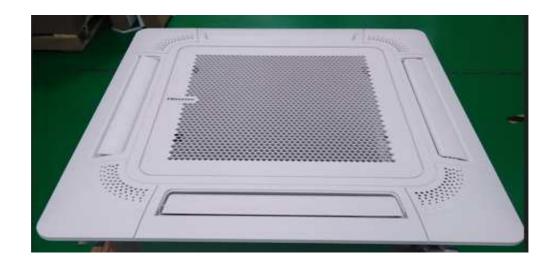
HISENSE MULTI-SPLIT 4-WAY CASSETTE TYPE AIR CONDITIONER									
MODEL AVC-13UX	MODEL AVC-13UXCSFBXU								
RATED POWER SUPPLY 220-240 V~50/60 Hz REFRIGERANT (R410A) 0 kg									
COOLING CAPACITY	3.9 kW 13300 Btu/h	NET WEIGHT	23 kg						
HEATING CAPACITY	4.5 kW 15000 Btu/h	AIR FLOW RATE	906 m³/h						
COOLING STANDARD INPUT	0.06 kW	DESIGN PRESSURE(HI./LO.)	4.15 / 2.21 MPa						
HEATING STANDARD INPUT	0.06 kW	STANDARD COOLING CONDITION	INDOOR'C 27 DB 19 WB OUTDOOR'C 35 DB - WB						
COOLING STANDARD CURRENT	0.6 A	STANDARD HEATING CONDITION	INDOOR® 20 DB - WB OUTDOOR® 7 DB 6 WB						
HEATING STANDARD CURRENT	0.6 A	COOLING RATED. 0.8 A	INDOOR℃ - DB - WB OUTDOOR℃ - DB - WB						
ANTI-ELECTRIC SHOCK	CLASSI	HEATING RATED. 0.8 A	INDOOR'C - DB - WB OUTDOOR'C - DB - WB						
DEGREES OF PROTECTION	IPX0	SERIAL NO.							
	MANUFACTURE DATE								
Qingdao Hisense Hitachi Air-conditioning Systems Co., Ltd. No. 218, Qianwangang Road, Economic and Technological									

/ 1KHN0501300300

Development Zone, Qingdao, China

H7D14762D / MADE IN CHINA

3. Indoor side (including accessaries if applicable)



4. Outdoor side (including accessaries if applicable)



5. Additional photos (if necessary)	
	NONE
	NONE

Product Details

Item	Data
Model Number of Unit Under Tested	Outdoor unit:AVW-54HJFHH1
	Indoor units:AVC-13UXCSFBXU,
	4 units
Serial Number	N/A
Condition of Sample(s)	Production
Air Conditioner Type	Double/Multi Split
Power Supply (Single Phase/Three Phase/DC)	Single phase
Rated Voltage [V]	220-240
Rated Frequency [Hz]	50/60
Refrigerant	R410A
Charge of the Refrigerant [g]	4000
Air Distribution of Indoor Side	Non ducted
Indoor side heat exchanger	Air
Outdoor side heat exchanger	Air
Air Conditioner Mode	Reversible
Unit Mounting (applicable to non ducted split system)	Cassette
Capacity Control	Variable
Rated Cooling Power @T1 [W]	4210
Rated Cooling Capacity @T1 [W]	15500
Rated EER @T1 [W/W]	3.68
Rated Heating Power @H1 [W]	4500
Rated Heating Capacity @H1 [W]	18000
Rated COP @H1 [W/W]	4.00
Dimensions (for split systems only dimensions of the indoor unit,	For outdoor unit:950*990*320
Width [mm]*Height [mm]*Length [mm]	For indoor units:840*238*840

Critical Components

Name	Manufacturer / Trademark	Type / Model	Technical data
Compressor	MITSUBISHI ELECTRIC (GUANGZHOU) COMPRESSOR CO., LTD.	MNB36FLAMC-L	DC 3Φ 39-328V, 30-360Hz, 3,58kW, 13,6A, R410A Synthetic insulation
Outdoor fan motor	Jiangsu ShangQi Group Co., Ltd.	ZWF-138K	DC280V, 138W, 8P, class E
Alternative	NIDEC SHIBAURA(Zhejiang) CORP	SIC-81FW-D8138-13	DC280V, 138W, 10P, class E
Alternative	WOLONG ELECTRIC GROUP CO.,LTD	ZWB378D58A	DC280V, 135W, Class B
Alternative	Panasonic	EHTS20AQH	Dimension W [mm]*H [mm]*D [mm] (970+941)*756*18.19 /Finned tube volume: 0.0262m³

Ecodesign Requirements

Ecodesig	n Requirements		
Clause	Ecodesign requirements	Result - Remark	Verdict
1	Seasonal space heating energy efficiency of air heating	g products	
(a)	From 1 January 2018, the seasonal space heating	(see appended table)	Pass
	energy efficiency of air heating products shall not fall		
	below the values in Table 1		
	For multi-split heat pumps, the manufacturer shall		Pass
	establish conformity with this regulation based on		
	measurements and calculations according to Annex		
	III.		
	For each model of outdoor side unit, a list of		Pass
	recommended combinations with compatible indoor		
	side units shall be included in the technical		
	documentation.		
	The declaration of conformity shall then apply to all		Pass
	combinations mentioned in this list.		
	The list of recommended combinations shall be made		Pass
	available prior to the purchase/lease/hire of an		
	outdoor side unit.		
(b)	From 1 January 2021, the seasonal space heating	(see appended table)	Pass
(2)	energy efficiency of air heating products shall not fall	(coo apponaca table)	. 455
	below the values in Table 2		
	bolow the valded in Table 2		
	For multi-split heat pumps the manufacturer shall		Pass
	establish conformity with this regulation based on		1 455
	measurements and calculations according to Annex		
	III.		
	For each model of outdoor side unit, a list of		Pass
	recommended combinations with compatible indoor		rass
	side units shall be included in the technical		
	documentation.		Door
	The declaration of conformity shall then apply to all		Pass
	combinations mentioned in this list. The list of recommended combinations shall be made		Pass
			rass
	available prior to the purchase/lease/hire of an		
0	outdoor side unit.		
2	Seasonal space cooling energy efficiency of cooling pr		Poos
(a)	From 1 January 2018, the seasonal space cooling	(see appended table)	Pass
	energy efficiency of cooling products shall not fall		
	below the values in Table 3		Door
	For multi-split air conditioners the manufacturer shall		Pass
	establish conformity with this regulation based on		
	measurements and calculations according to Annex		
	III.		Daria
	For each model of outdoor side unit, a list of		Pass
	recommended combinations with compatible indoor		
	side units shall be included in the technical		
	documentation.		
	The declaration of conformity shall then apply to all		Pass
	combinations mentioned in this list.		
	The list of recommended combinations shall be made		Pass
	available prior to the purchase/lease/hire of an		
4.)	outdoor side unit.		
(b)	From 1 January 2021, the seasonal space cooling	(see appended table)	Pass
	energy efficiency of cooling products shall not fall		
	below the values in Table 4		

Clause	Ecodesign requirements Result - Remark	Verdict
	For multi-split air conditioners the manufacturer shall	Pass
	establish conformity with this regulation based on	
	measurements and calculations according to Annex	
	III.	
	For each model of outdoor side unit, a list of	Pass
	recommended combinations with compatible indoor	
	side units shall be included in the technical	
	documentation.	
	The declaration of conformity shall then apply to all	Pass
	combinations mentioned in this list.	
	The list of recommended combinations shall be made	
	available prior to the purchase/lease/hire of an	
	outdoor side unit.	
3	Seasonal energy performance ratio of high temperature process chillers	
(a)	From 1 January 2018, the seasonal energy (see appended table)	Pass
()	performance ratio of high temperature process	
	chillers shall not fall below the values in Table 5	
(b)	From 1 January 2021, the seasonal energy (see appended table)	Pass
(2)	performance ratio of high temperature process	
	chillers shall not fall below the values in Table 6	
	Grande Gran Fiet fain bolow the Values in Fable 5	
4	Emissions of nitrogen oxides	
(a)	From 26 September 2018, the emissions of nitrogen	N/A
(a)	· · · · · · · · · · · · · · · · · · ·	IN/A
	oxides, expressed in nitrogen dioxide, of warm air	
	heaters, heat pumps, comfort chillers and air conditioners shall not exceed values in Table 7	
	conditioners shall not exceed values in Table 7	
(b)	From 1 January 2021, the emissions of nitrogen	N/A
(D)		IN/A
	oxides, expressed in nitrogen dioxide, of warm air heaters shall not exceed values in Table 8	
	neaters snail not exceed values in Table 8	
5	Product information	+
(a)	From 1 January 2018, the instruction manuals for	Pass
(a)	installers and end-users, and free access websites of	1 ass
	manufacturers, their authorised representatives and	
	· ·	
	importers shall provide the following product	
(1)	information for warm air heaters, the information set out in Table	N/A
(1)		IN/A
	9 of this Annex, measured and calculated in	
(0)	accordance with Annex III	N1/A
(2)	for comfort chillers, the information set out in Table	N/A
	10 of this Annex, measured and calculated in	
(0)	accordance with Annex III	5.
(3)	for air-to-air air conditioners, the information set out in	Pass
	Table 11 of this Annex, measured and calculated in	
(1)	accordance with Annex III	
(4)	for water/brine-to-air air conditioners, the information	N/A
	set out in Table 12 of this Annex, measured and	
	calculated in accordance with Annex III	
(=)		
(5)	for fan coil units, the information set out in Table 13	N/A
	of this Annex, measured and calculated in	
	accordance with Annex III	
(6)	for heat pumps, the information set out in Table 14 of	Pass
	this Annex, measured and calculated in accordance	
Ī	with Annex III	1

Clause	Ecodesign requirements	Result - Remark	Verdict
(7)	for high temperature process chillers, the information		N/A
,	set out in Table 15 of this Annex, measured and		
	calculated in accordance with Annex III		
(8)	any specific precautions that must be taken when the		Pass
,	product is assembled, installed or maintained		
	ľ		
(9)	for heat generators or cold generators designed for		
	air heating or cooling products, and air heating or		
	cooling product housings to be equipped with such		
	heat or cold generators, their characteristics, the		
	requirements for assembly, to ensure compliance		
	with the ecodesign requirements for air heating or		
	cooling products and, where appropriate, the list of		
	combinations recommended by the manufacturer		
(10)	for multi-split heat pumps and multi-split air		Pass
,	conditioners, a list of appropriate indoor units		
(11)	for B1, C2 and C4 warm air heaters the following		N/A
	standard text: 'This warm air heater is intended to be		
	connected only to a flue shared between multiple		
	dwellings in existing buildings. Due to a lower		
	efficiency, any other use of this warm air heater shall		
	be avoided and would result in higher energy		
	consumption and higher operating costs'		
(b)	From 1 January 2018, the instruction manuals for		Pass
(-)	installers and end-users, and a part for professionals		
	of the free-access websites of manufacturers, their		
	authorised representatives and importers shall		
	provide the following product information		
(1)	information relevant for disassembly, recycling and/or		Pass
	disposal at end-of-life		
(c)	The technical documentation for the purposes of		Pass
	conformity assessment pursuant to Article 4 shall		
	contain the following elements		
(1)	the elements specified in point (a)		Pass
(2)	where the information relating to a specific model has		Pass
	been obtained by calculation on the basis of design,		
	and/or extrapolation from other combinations, the		
	technical documentation shall include details of such		
	calculations and/or extrapolations, and of tests		
	undertaken to verify the accuracy of the calculations		
	undertaken, including details of the mathematical		
	model for calculating performance of such		
	combinations, and of measurements taken to verify		
	this model, and a list of any other models where the		
	information included in the technical documentation		
	was obtained on the same basis		
	The Section of the Section Section		

Clause	Ecodesign requirements	Result - Remark	Verdict
(d)	The manufacturer, their authorised representatives and importers of comfort chillers, air-to-air and water/brine- to-air air conditioners, heat pumps and high temperature process chillers shall provide laboratories performing market surveillance checks, upon request, the necessary information on the setting of the unit, as applied for the establishment of declared capacities, SEER/EER, SCOP/COP, SEPR/COP values, where applicable, and provide contact information for obtaining such information		Pass

Ecodesign Requirements

Ecodesign Requirements	0010/1/1	0004/4/4	Manager	Danlawad
Clause	2018/1/1	2021/1/1	Measured value	Declared value
Air heating product - Warm air heater	30	31		
using electricity	30	21		
Air heating product - Air-to-air heat				
pump, driven by an electric motor,	133	137	175.9	175.9
except rooftop heat pump				
Air heating product - Rooftop heat pump	115	125		
Air heating product - Air-to-air heat				
pump, driven by an internal combustion	120	130		
engine				
Cooling product - Air-to-water chiller with				
rated cooling capacity < 400 kW, when	149	161		
driven by an electric motor				
Cooling product - Air-to-water chiller with				
rated cooling capacity ≥ 400 kW when	161	179		
driven by an electric motor				
Cooling product - Water/brine to-water				
chiller with rated cooling capacity < 400	100	200		
kW when driven by an electric motor	196	200		
·				
Cooling product - Water/brine to-water				
chiller with ≥ 400 kW rated cooling	227	252		
capacity < 1500 kW when driven by an	227	252		
electric motor				
Cooling product - Water/brine to-water				
chiller with rated cooling capacity ≥ 1500	2.45	272		
kW when driven by an electric motor	245	272		
·				
Cooling product - Air-to-water comfort				
chiller, when driven by an internal	144	154		
combustion engine				
Cooling product - Air-to-air air				
conditioner, driven by an electric motor,	181	189	284.9	284
except rooftop air conditioners				
Cooling product - Rooftop air conditioner	447	420		
	117	138		
Cooling product - Air-to-air air				
conditioner, driven by an internal	157	167		
combustion engine				
Cooling product - Water/brine-to-air air	NΙΛ	NΙΛ		
conditioner	NA	NA		
High temperature process chiller - Air,	4.5	F		
PA < 400 kW	4.5	5		
High temperature process chiller - Air,				
PA ≥ 400 kW	5	5.5		
High temperature process chiller -	CF	7		
Water, PA < 400 kW	6.5	7		
High temperature process chiller -	7.5	0		
Water, 400 kW ≤ PA < 1500 kW	7.5	8		
High temperature process chiller - PA ≥	0	0.5		
1500 kW	8	8.5		
Fan coil unit	NA	NA		
			1	<u> </u>

Information requirements for air-to-air conditioners

Models					cover page		
Outdoor side heat exchan	ger of air co	nditioner		Air			
Indoor side heat exchange					Air		
Туре				Compressor driver	n vapour cor	npressior	ı
Driver of compressor					ric motor		
If the heater is equipped w	ith a supple	ementary			No		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	15.5	kW	Seasonal space cooling energy efficiency	ηs,c	284.0	%
Declared capacity (*) for c	ooling, at in	door		Declared energy efficiency	/ ratio (*), at	indoor	
temperature 27(19) °C and	d outdoor te	mperatur		temperature 27(19) °C and	d outdoor te	mperatur	e Tj
Tj = 35 °C	Pdc	14.8	kW	Tj = 35 °C	EER _d	3.5	_
Tj = 30 °C	Pdc	10.9	kW	Tj = 30 °C	EER _d	5.2	
Tj = 25 °C	Pdc	7.1	kW	Tj = 25 °C	EER _d	8.0	_
Tj = 20 °C	Pdc	3.8	kW	Tj = 20 °C	EER _d	14.6	_
Degradation co-efficient cooling (**)	Cdc	0.25	_				
Power consumption in mo	des other th	an active	mode/0	Cooling			
Off mode	P _{OFF}	0.019	kW	Crankcase heater mode	P _{CK}	0	kW
Thermostat-off mode	P _{TO}	0	kW	Standby mode	P_{SB}	0.019	kW
		•	Othe	r items	•	•	•
Capacity control	\	/ariable		Air flow rate, outdoor measured		4260	m3/h
Sound power level (indoor/outdoor) measured	LWA	-/67	dB(A)	Global warming potential	GWP	2088	kgCO2 eq.

Information requirements for heat pumps

Models				See the cover page			
Outdoor side heat exchanger of air conditioner				Air			
Indoor side heat exchange	r of air con	ditioner		Air			
Type	Type				vapour co	mpressio	n
Driver of compressor				Electr	ic motor		
If the heater is equipped w	rith a supple	ementary	heater		No		
Heating, if reversible?					Υ		
Average (mandatory)					Υ		
Warmer (optional)				1	V/A		
Colder (optional)				1	V/A		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating	$P_{rated,h}$	18.0	kW	Seasonal space heating	ηs,c	175.9	%
capacity/Average				energy efficiency			
Declared heating capacity	for part loa	d at indoo	or	Declared coefficient of per	formance o	r gas utili	sation
temperature 20 °C and ou	tdoor tempe	erature Tj		efficiency/auxiliary energy	factor for pa	art load a	t given
				outdoor temperatures Tj			
Tj = -7 °C	Pdh	9.7	kW	Tj = -7 °C	COPd	2.7	_
Tj = 2 °C	Pdh	5.8	kW	Tj = 2 °C	COPd	4.1	_
Tj = 7 °C	Pdh	3.6	kW	Tj = 7 °C	COPd	6.7	_
Tj = 12 °C	Pdh	2.1	kW	Tj = 12 °C	COPd	8.7	_
Tj = bivalent temperature	Pdh	9.7	kW	Tj = bivalent temperature	COPd	2.7	
Tj = operating limit	Pdh	9.1	kW	Tj = operating limit	COPd	2.6	_
Bivalent temperature	T_{biv}	-7	°C	Operating limit temperature	TOL	-10	°C
Degradation co-efficient	C _{dh}	0.25	_				
heat pumps	- un						
Power consumption in mo	des other th	nan active	mode/0	Cooling		I.	
Off mode	P _{OFF}	0.020	kW	Back-up heating capacity (*)	elbu	0	kW
Thermostat-off mode	P _{TO}	0.031	kW	Type of energy input		· I	l
Crankcase heater mode	P _{CK}	0.010	kW	Standby mode	P_{SB}	0.020	kW
		<u>I</u>	Othe	r items		1	<u> </u>
Capacity control	١	/ariable		Air flow rate, outdoor measured		4260	m3/h
Sound power level	LWA	-/67	dB(A)	Global warming potential	GWP	2088	kgCO2
(indoor/outdoor)							eq.
measured							

Cooling capacity test

Item	Unit	Test A	Test B	Test C	Test D
Barometric pressure	kPa	101.1	101.8	101	101.9
Voltage	V	229.5	229.7	230	229.8
Frequency	Hz	50	50	50	50
Total current	Α	20.114	9.678	4.077	1.212
Total power input	W	4270	2074	889	261
Speed control setting of the fan speed	-	Turbo	Turbo	Turbo	Turbo
Rotational speed of the fan	r/min	-	-	-	-
External resistance to airflow	Ра	-0.6	-0.3	1	-1
Dry-bulb temp. of air entering equipment, indoor side	°C	26.96	26.98	26.92	27.06
Wet-bulb temp. of air entering equipment, indoor side	°C	18.92	18.98	19.02	18.98
Dry-bulb temp. of air entering equipment, outdoor side	°C	34.98	29.96	17.8	18.88
Wet-bulb temp. of air entering equipment, outdoor side	°C	24.04	24.09	16.92	18.09
Data collection period	min	35	35	35	35
Total Cooling Capacity	W	14819	10850	7070	3810
Sensible cooling capacity	W	13749	10504	6993	3810
Latent cooling capacity	W	1070	346	77	0
EER (Energy Efficiency Ratio)	W/W	3.47	5.23	7.95	14.6

Heating/Average capacity test

Item	Unit	Test A	Test B	Test C	Test D	Test E	Test F
		(-7°C)	(2°C)	(7°C)	(12°C)	(TOL)	(T _{biv})
Barometric pressure	kPa	100.9	100.8	101.9	102	102	100.9
Voltage	V	230.9	229.4	230	231	230.2	230.9
Frequency	Hz	50	50	50	50	50	50
Total current	Α	16.717	6.612	2.508	1.145	16.134	16.717
Total power input	W	3636	1394	541	247	3480	3636
Speed control setting of the fan speed	-	Turbo	Turbo	Turbo	Turbo	Turbo	Turbo
Rotational speed of the fan	r/min	-	-	-	-	-	-
External resistance to airflow	Pa	0	-0.7	-0.7	-0.3	0.2	0
Dry-bulb temp. of air entering equipment, indoor side	°C	20.07	19.96	19.97	19.96	20.1	20.07
Wet-bulb temp. of air entering equipment, indoor side	°C	15.06	15.04	14.94	14.91	14.93	15.06
Dry-bulb temp. of air entering equipment, outdoor side	°C	-7.01	2	6.93	11.93	-9.93	-7.01
Wet-bulb temp. of air entering equipment, outdoor side	°C	-8.06	0.94	6	10.97	-10.98	-8.06
Data collection period	min	35	35	35	35	35	35
Total Heating Capacity	W	9709	5760	3610	2149	9120	9709
COP (Coefficient of Performance)	W/W	2.67	4.13	6.67	8.7	2.62	2.67

Revision Summary

Date	Project Handler/	Item	Description of Change		
	Reviewer				
			None		
	<u> </u>				