



■ *Just feel well*

Design, Installation & Maintenance instruction

FlowLogic III HR

Outdoor units - Heat recovery



Airwell
Residential

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Part 1 General Information

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1.1 Safety

- This manual should always be accessible and close to this air condition equipment.
- There are two types of indications, "  WARNING" and "  CAUTION". The indication preventing from death or heavy injury is listed as "  WARNING". Even the indication listed as "  CAUTION" may also cause serious accident. Both of them are related to safety, and should be strictly followed.
- After installation and start-up commissioning, please handover the manual to the user. The manual should be well kept in safe place and close to the unit.

WARNING

- The installation or the maintenance should be performed by an authorized agency. The wrong operation of this air condition equipment may cause water leakage, electric shock or fire
 - Please install the unit on the top of a solid foundation or structure which is strong enough to support the unit.
 - The installation of this air condition equipment should follow local construction codes.
 - Use the right cable size, secure the terminal firmly, organize the cables well and make sure no tension is added on cables. Cable insulation should not be damaged. The incorrect installation may lead to overheat or fire
 - When installing or moving the unit, the refrigerant system should be vacuumed and recharged with R-410A refrigerant. If any other gas enters the system, it may lead to abnormal high pressure which may cause damage or injury.
 - Please use the proper manifolds or branches during the system installation. The wrong parts may cause refrigerant leakage.
 - Keep the drain pipe away from toxic gas vents to prevent possible pollution of indoor environment.
 - During or after the installation, please check whether there is refrigerant leakage. If any leakage, please take any measures for ventilation. The refrigerant may be toxic at some concentration levels.
 - The unit is not explosion-proof. Please keep it away from flammable gases
 - The drain pipe should be installed per this manual to ensure proper drainage. The pipe should be well insulated to avoid condensation. Wrong installation may lead to water leakage.
- Both liquid pipe and the gas pipe should be also well insulated. Not enough insulation may lead to system performance deterioration or humidity formation.
- This air condition equipment is not intended to be operated by persons with lack of experience and training, unless they have supervision or instruction concerning use of this air condition equipment.
 - Please keep children away from this air condition equipment.

CAUTION

- Grounding wire should be connected with the grounding bar. The grounding wire can not be connected to the gas pipe, water pipe, lightening rod or the telephone grounding wire. Improper grounding may cause electric shock.
- Units installed on roof should have appropriate access and handrail.
- Use the wrench to fasten the nut and flare at proper torque. Excessive torque may cause flared section to broke leading to refrigerant leakage.
- After refrigerant pipe installation, please take nitrogen leakage test to avoid refrigerant leakage.
- R-410A is the only permitted refrigerant.
- To avoid mischarging wrong refrigerant, the check valve diameter is changed for R-410A. To strengthen the pipe, the flared pipe dimension is also changed. Please use R-410 specified tools as shown below.

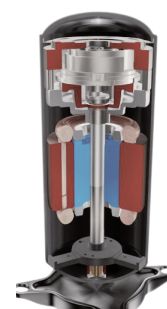
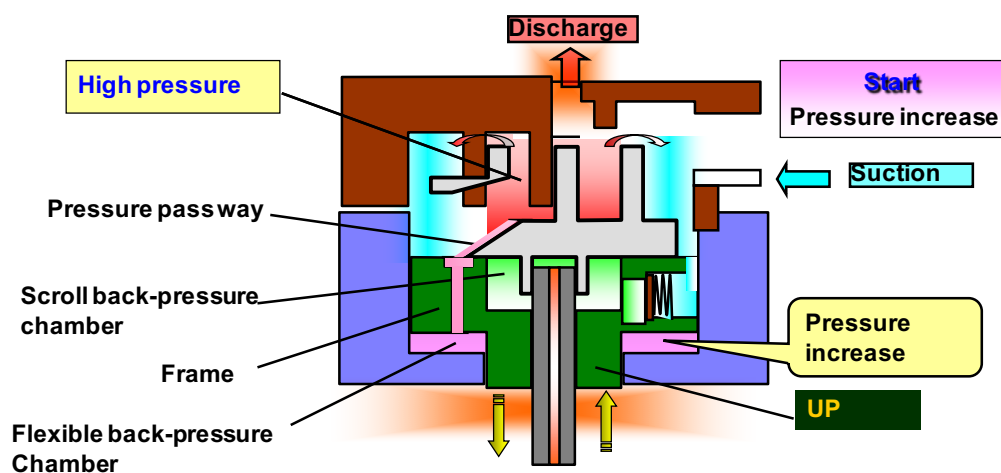
	R-410A specified tools	Remarks
1	Gauge manifold	Range: HP>4.5MPa, LP>2MPa
2	Charge hose	Pressure: HP 5.3MPa, LP 3.5MPa
3	Electronic weight for charging R-410A	No other means permitted
4	Torque wrench	
5	Flare tool	
6	Copper pipe gauge for adjusting projecting margin	
7	Vacuum pump fitting	Vacuum pump must be equipped with check valve
8	Leakage detector	Only Helium detector permitted

- When charging refrigerant, the refrigerant must be in liquid state from the tank.
- To prevent EMC interference on other appliances, please keep indoor unit, outdoor unit, power cable and connecting wire at least 1m away from those appliances.
- Fluorescent lamp (reverse phase or rapid start type) may interfere with the remote controller's signal. Please install indoor unit away from fluorescent lamp. The farther the better.

1.2 Feature

1.2.1 High efficiency DC inverter scroll compressor, high efficiency, low noise.

The highly efficient scroll compressor is equipped with a "Frame Compliance Mechanism" that allows movement in the axial direction of the frame supporting the cradle scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiency throughout the speed range



1.2.2 User friendly outdoor structure

Core technologies and parts

1 Patent fan design and DC fan motor

- Air flow improved by 17.5% with patent fan design
- Noise reduced 3 dB/A with DC fan Motor.

2 2 stages heat exchanger

- separate control and heat exchanger size can be adjusted ,effectively cope with small load operation, to ensure reliable operation .

3 Forced heat dissipation fan

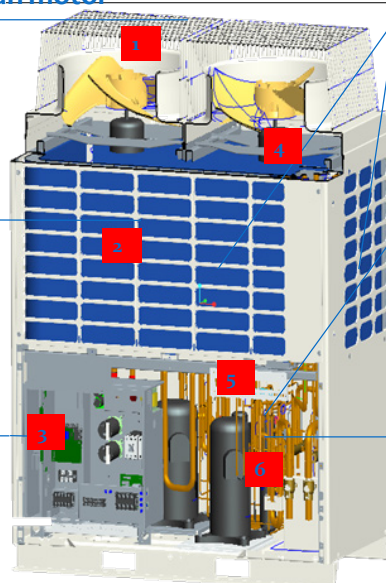
- Forced heat dissipation fan inside the Electric control box, to ensure the stable Internal temperature and stable system Operation.

4 4 way air return

- Reduce the heat exchanger height(650mm),and the upper and lower wind speed uniform and high efficiency.

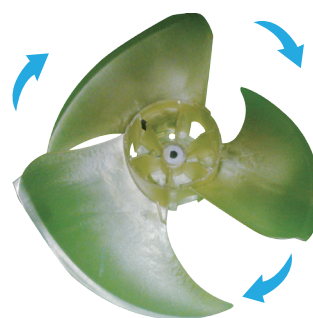
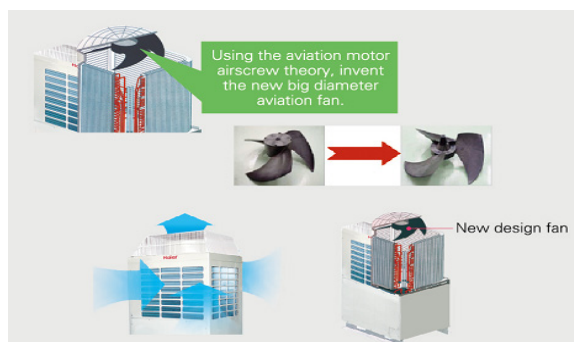
5 Double EEV design

- DC inverter scroll compressor from Mitsubishi Electric
- For big module, also with another fixed-speed compressor from Mitsubishi Electric.



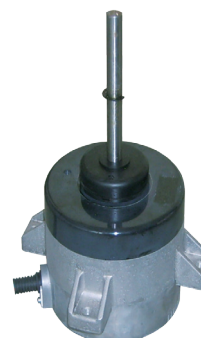
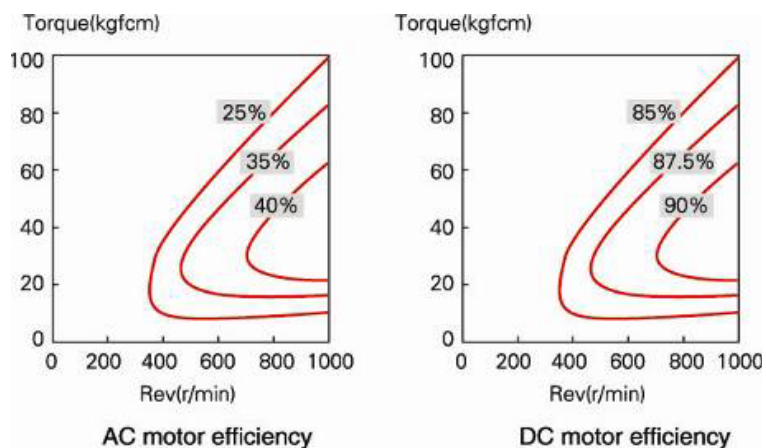
1.2.3 New big diameter "aviation" fan

The new fan could reduce air loss, air resistance and noise, increase heat exchange efficiency. The unit adopts the 4-way air returned heat exchanger technology. The compressor and condenser are placed in separated compartments. This structure of outdoor unit can realize lower air resistance, higher heat efficiency and lower noise level.



1.2.4 High efficiency DC fan motor

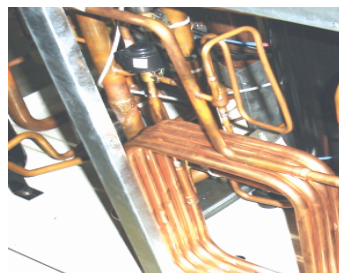
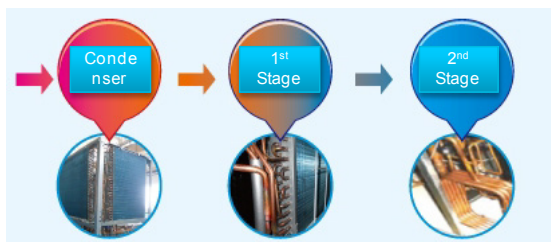
- Efficiency increase 45% comparing with AC motor and power input largely decrease
- 64 stage speed adjustment plus DC inverter drive, stabilizing compressor discharge pressure and suction pressure to ensure high system reliability



1.2.5 Heat exchanger adopts the sub-cooling technology, to keep the refrigerant in indoor unit flowing normally, further to enhance the unit efficiency greatly.

Two stage deep sub cooling technology

- 1st stage sub cooling added a sub cooling coil to Condenser
- 2nd stage sub cooling added a stand alone Sub Cooler
- After further cooling, sub-cooling degree can be up to 30 with the heat exchanging capacity per unit mass of refrigerant improved by 46% and flow resistance reduced by 55%, and running efficiency improved by



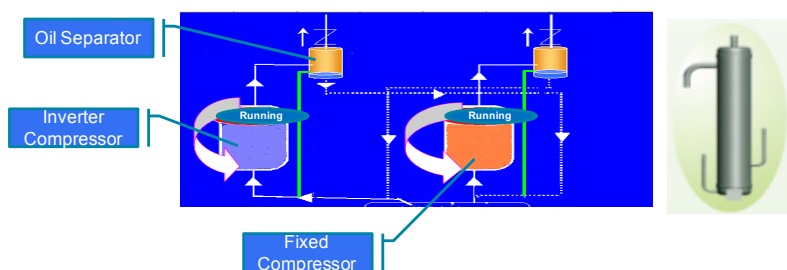
1.2.6 Flexible installation and design

Connected indoor unit quantity can be up to 64 sets in maximum. And the total indoor capacity can be 50% ~ 130% of outdoor capacity.

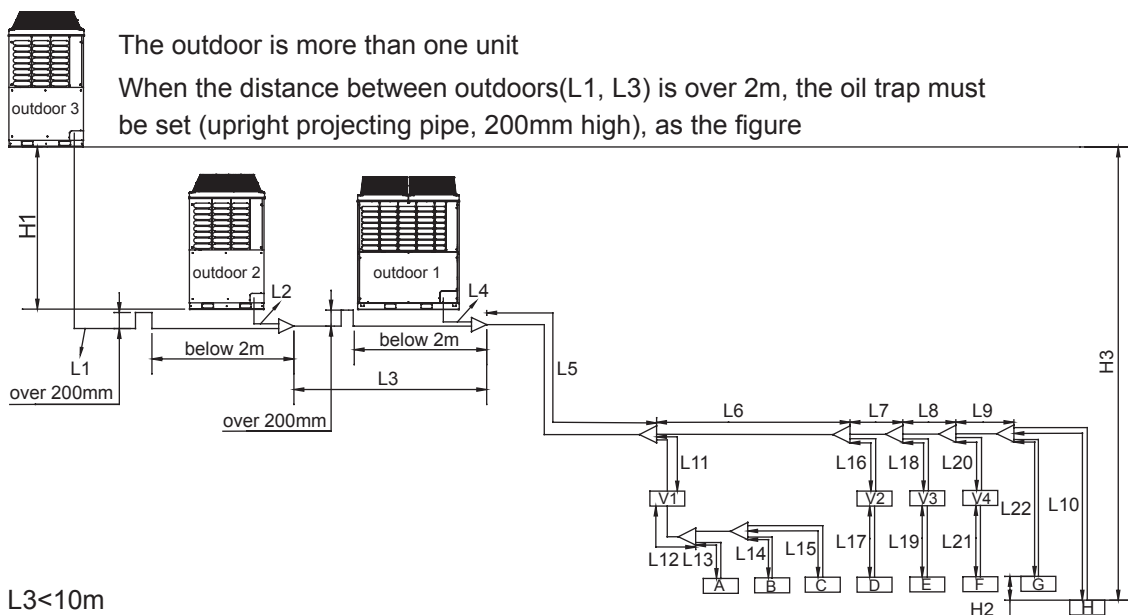
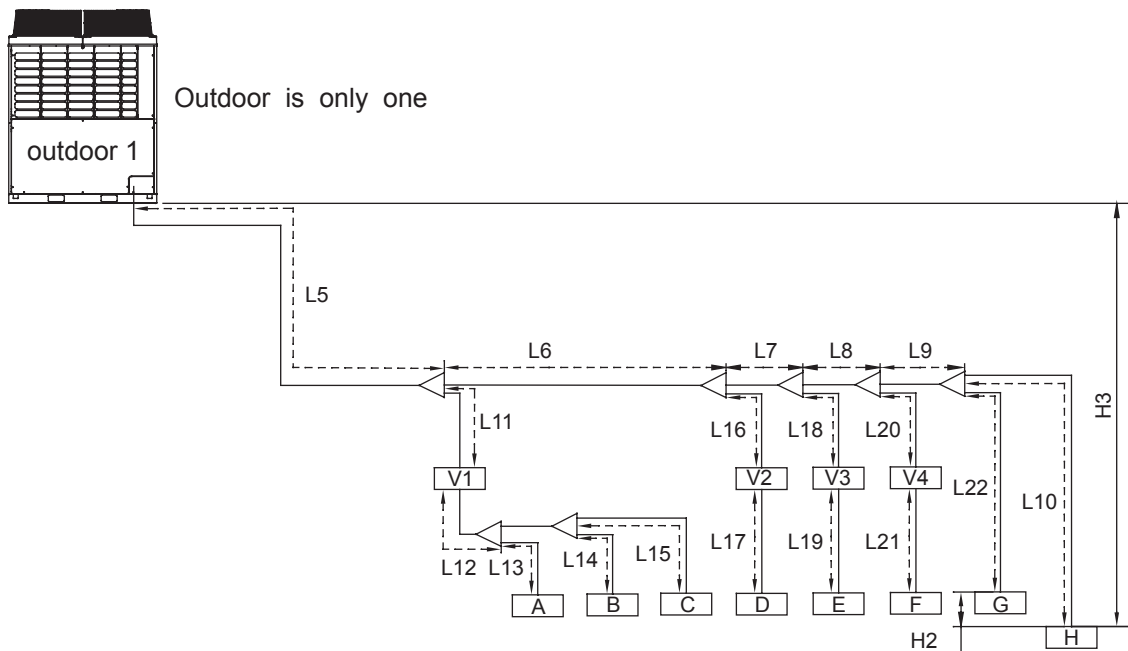
If there are multiple outdoor units, the outdoor units will be in running by turns with much longer life. Multiple types of indoor unit can be chosen for different requirements.

1.2.7 The first oil 2-stages separation and cross oil return technology in the industry

- 1st stage oil separation: built-in oil separating unit ,greatly reduced the oil from the compressor discharge
- 2nd stage oil separation: external oil separator to separate the small amount oil from discharge
- Cross oil return: on the one hand to ensure the own compressor oil (green line) ,on the other hand to supply the redundant oil to other compressor (dotted line)



1.2.8 Outdoor pipe length and height drop



$L3 < 10m$
 $L1 + L3 < 10m$
 $L2 + L3 < 10m$

Note:

V1---V4: VP unit

A---F: Indoors (cooling / heating selection possible)

G---H: Indoors (cooling only)

	Max. length	Pipe in above figure
Single way total pipe length	300	L1+L2+L3.....+L22
Single way max. pipe length	175	L0+L3+L4+ L5+L6+L7+L8+L9+L10
Max.pipe length after 1st branch pipe	40	L5+L6+L7+L8+L9+L10
Main pipe actual length	135	L0+L3+L4
Height difference between indoors	15	H2
Height difference between outdoors	5	H1
Height difference between outdoors and indoors	50 40	H3 when outdoor is upper H3 when outdoor is lower
Max.pipe length between indoors and the nearest branch pipe	30	---

When outdoor is only one, Single way max. pipe length = $L4 + L5 + L6 + L7 + L8 + L9 + L10 \leq 175\text{m}$

Single way total pipe length = $L4 + L5 + L6 + \dots + L22$

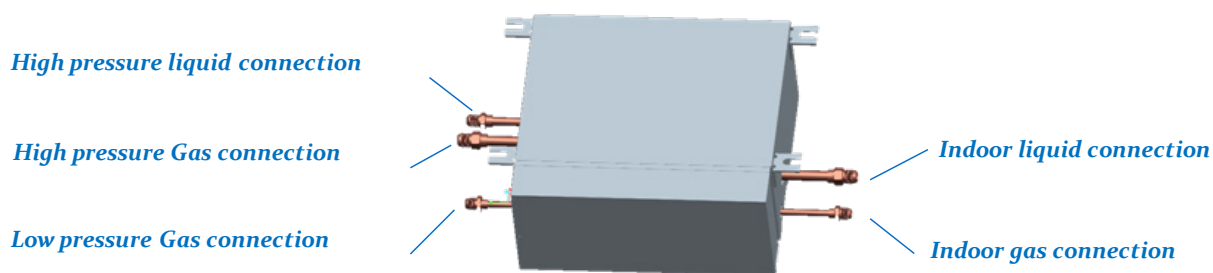
1.2.9 Operation Range of Air Conditioner

Cooling dry	Indoor	Max.	DB:32°C	WB:23°C
		Min.	DB:18°C	WB:14°C
	Outdoor	Max.	DB:43°C	
		Min.	DB:-5°C	
Heating	Indoor	Max.	DB:27°C	
		Min.	DB:15°C	
	Outdoor	Max.		WB:15.5°C
		Min.		WB:-15°C
Cooling and heating	Indoor	Max.	DB:27°C	
		Min.	DB:18°C	WB:14°C
	Outdoor	Max.		WB:18°C
		Min.		WB:-8°C

1.2.10 Valve pipe(VP)

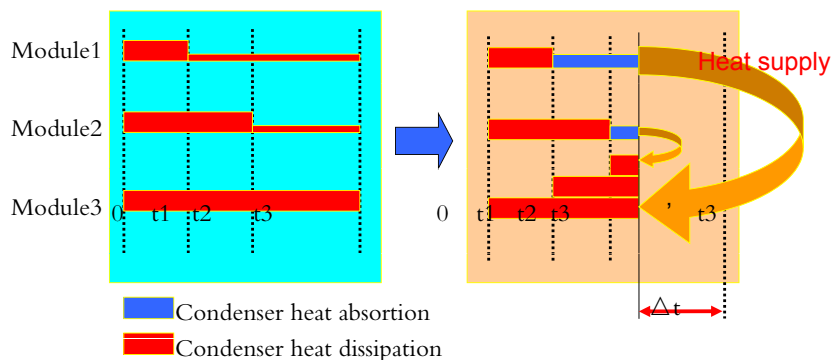
There are 3 models valve boxes connected between outdoor units and indoor units. The indoor unit can flexibly run cooling or heating as need by connected with the VB device.

One VB device can connect with max.8 sets indoor units. However all the indoor units connected with the same VB device should run same mode.



1.2.11. Intelligent defrost

- 1) Conventional defrost control (left) heating operation after all the outdoor finish the defros
- 2) Amazon outdoor defrosting (right) help each other to accelerate defrosting, not only accelerate defrosting speed, but also reach rapid heating.

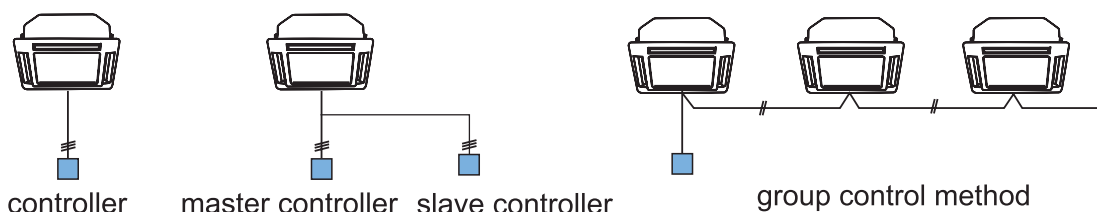


1.2.12 Control system

a. Individual control system Wired controller RWV01



- ☐ Used to set the function of MODE, FAN, SWING, HEALTH (negative ion) , TEMP., TIMER etc.
- ☐ Large LCD is easy to read the data; set the temp. by interval 1°C.
- ☐ 24-hour timer function: to set the schedule in a whole day. Enable to set the HRV (heat reclaimed ventilation) mode.
- ☐ Designed to check the system failure automatically by pressing CHECK button. Also the failure code will display on LCD.
- ☐ When the filter needs to be cleaned, indoor will send signal to the controller, then FILTER icon will display on LCD.
- ☐ Can display the indoor central address on LCD.
- ☐ Can query the malfunction history by pressing CHECK button. Can change the controller types between master and slave unit by adjusting the jumper state.
- ☐ Can realize dual controllers to control one unit, or one controller to control multiple indoor units.
- ☐ Equipped with the indoor ambient temp. sensor in the controller, which makes the indoor temp. more comfortable.



- ☐ Used to set the function of MODE, FANSWING, HEALTH (negative ion), TEMP.TIMER etc.
- ☐ Large LCD is easy to read the data; set the temp. by interval 1°C.
- ☐ 24-hour timer function: to set the schedule in a whole day.
- ☐ Can be combined with the individual remote receiver.
- ☐ Electric heating button can realize the electric heating function if the unit is with this function.



RCV01



RWV03

b. Central control system

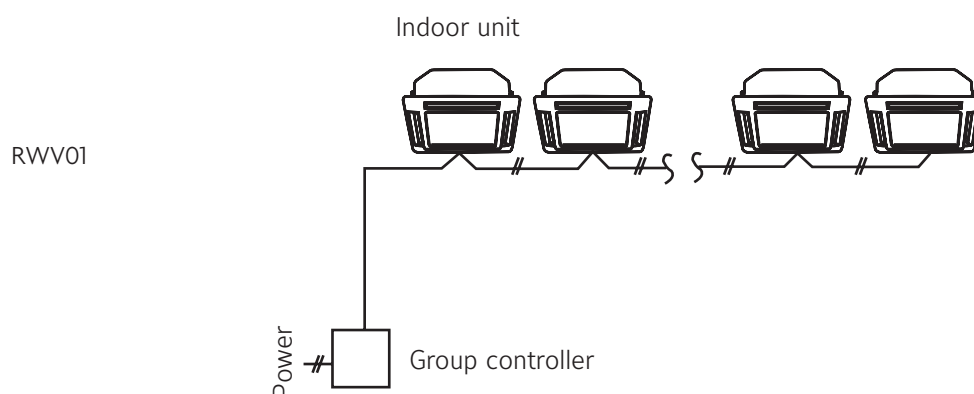
Group controller: RWV01



- ☐ Realize to control 16 indoor units ON/OFF synchronously. Set indoor units at the same mode.

Note:

When the indoor unit is in group control, it CAN NOT be controlled by its individual controller (wired controller or infrared controller).



Central controller(1:64)



RWV02

- ☐ Can control and monitor the indoor units condition, maximum can control 128 groups, each group can maximum connect to 16 indoor units.
- ☐ All the controls, such as individual control, zone control, time setting, timer setting etc., can be realized by touch screen.

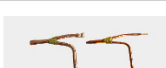
1.3 Products Lineup

1.3.1 Outdoor Units

Appearance	Power supply (Ph,V,Hz)	Model	Capacity(kW)	Refrigerant
	3Ph, 380~400V, 50/60HZ	YCV280HR	28	R-410A
		YCV335HR	33.5	
		YCV400HR	40	
		YCV450HR	45	
		YCV560HR	56	
		YCV615HR	61.5	
		YCV680HR	68	
		YCV730HR	73	
		YCV800HR	80	
		YCV850HR	85	
		YCV900HR	90	
		YCV960HR	96	
		YCV1010HR	101	
		YCV1080HR	108	
		YCV1130HR	113	
		YCV1180HR	118	
		YCV1235HR	123.5	
		YCV1300HR	130	
		YCV1350HR	135	

1.3.3 Appendix lineup

#	Photo	Name	Model	Function	Application	Comments
1		Wireless Controller	RCV01	Indoor Unit Operating	Standard for High Wall, Console, and optional for Cassette, Floor Ceiling, Ducted	
2		Wired Controller	RWV01	Indoor Unit Operating and Group Control (Max. 16 Indoor Units)	Standard for Cassette, Floor Ceiling, and Ducted	
3		Wireless Controller Receiver	REC01	Infrared Signal Receiver for Wireless Controller	Optional for Ducted	
4		Compact Wired Controller	RWV03	Indoor Unit Operating and Group Control (Max. 16 Indoor Units)	Optional for Cassette, Floor Ceiling, and Ducted	
5		Touch Screen Central Controller	RWV02	Indoor Unit Group Control and Monitoring (Max. 128 Indoor Units)	All Indoor Units	
6		Touch Screen Central Controller Translator	ADV01	"Connection Between RWV02 and Outdoor Unit"	All Indoor Units	
7		BacNet Translator	ADV02	Protocol Translator	All Indoor Units	
8		Central Controller With Monitor Software	BMV01	Indoor Unit Group Control and Monitoring (Max. 400 Indoor Units)	All Indoor Units	
9		BacNet/IP Converter	BMV03	BacNet/IP Protocol Converting	All Indoor Units	
10		LonWorks Converter	ADV04	LonWorks Protocol Converting	All Indoor Units	
11		LonWorks Translator	ADV03	Protocol adapter and data storage	All Indoor Units	

12		On-site Diagnostic Tools	TD-02	System Running Monitor System (Hardware and Software)	Outdoor Units
13		Indoor Manifold Pipe	TAU335HR	Indoor Refrigerant Distribution	Total indoor units capacity < 33.5 kW
14		Indoor Manifold Pipe	TAU506HR	Indoor Refrigerant Distribution	$33.5\text{kW} \leq$ Total indoor units capacity < 50.6 kW
15		Indoor Manifold Pipe	TAU730HR	Indoor Refrigerant Distribution	$50.6\text{kW} \leq$ Total indoor units capacity < 72 kW
16		Indoor Manifold Pipe	TAU1350HR	Indoor Refrigerant Distribution	$73\text{ kW} \leq$ Total indoor units capacity
17		Outdoor Branch Pipe	TAS20HR	Outdoor Refrigerant Gathering	2 Modules combination
18		Outdoor Branch Pipe	TAS30HR	Outdoor Refrigerant Gathering	3 Modules combination
19		Valve pipe box KIT HR-UNDER11.2 KW KIT HR-11.2KW-18KW KIT HR-18KW and Above	KIT HR-UNDER11.2 KW KIT HR-11.2KW-18KW KIT HR-18KW and Above	Connection with 3 Pipe Outdoor Unit and Indoor Unit in heat recovery system.	MRVIII-RC(heat recovery)

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2.1 Specification

Model			YCV280HR
Power supply		Ph-V-Hz	3Ph/380-400V/50-60Hz
Nominal capacity		HP	10
Cooling*1	Capacity	kW	28
	Power Input	kW	7.55
	EER		3.71
	Current	A	12.33
Heating*1	Capacity	kW	31.5
	Power Input	kW	7.97
	COP		3.95
	Current	A	13.02
Max. Power Input		kW	14.7
Max. Current		A	23.4
Compressor	Type		DC INV. SCROLL
	Capacity	W	17200W
	Power Input	W	5250W
	Rated Current(RLA)	A	18.5
	Speed	rps	60
	Crankcase Heater	W	33
	Refrigerant oil	ml	2300+1000
Outdoor fan motor	Voltage		208-230
	IP Class		IP23
	Type		DC
	Insulation Class		B
	Safe Class		I
	Power Input	W	1000
	Output	W	750
	Rated Current	A	4.4
	Capacitor	μF	/
Outdoor fan	Speed	rpm	825
	Material		Plastic
	Type		Axial
	Diameter	mm	642
Outdoor coil	Height	mm	198
	Number of Rows		2
	Tube Pitch(a)x Row Pitch(b)	mm	19.05*22
	Fin Spacing	mm	1.70
	Fin Type		Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer
	Salt Spray Test Duration	Hour	168
	Tube Outside Dia. and Type		INNERGROOVE TUBE
		mm	Φ8
	Coil Length x Height	mm	(1340x660)*2
Cabinet Coating	Number of Circuits		10
	Coating Type		Powder Coating
	Salt Spray Test Duration	Hour	72
	Sheet Metal Material		Hot zinc plate
	Sheet Metal Thickness		0.8

Continued

Model			YCV280HR
Control Panel Enclosure IP Class			IP24
Outdoor Air Flow	m ³ /h		11100
Outdoor Sound Level(Sound Pressure Level)	dB(A)		57
Outdoor unit	Dimension (WxHxD)	mm	990*1808*750
	Packing (WxHxD)	mm	1090*1990*860
	Net/Gross weight	kg	240/268
Refrigerant	Type		R-410A
	Charged volume*2	kg	10
Throttle type			EXV
Design pressure	MPa		4.15
Refrigerant piping	Liquid / Suction gas /High pressure gas	mm	Φ 9.52/ Φ 22.2/ Φ 19.05
	Max. Refrigerant pipe length	m	175
	Max. Diff. indoor/outdoor unit	m	50(Outdoor higher than indoor) 40(Indoor higher than outdoor)
	Max. Diff. indoor/indoor unit	m	15
Maximum indoor units	Piece		16
Connection wiring	Power wiring	mm ²	16
	Signal wiring	mm ²	Shield wire:(0.75-2)*2
Operation Range	°C		Cooling: -5°C-43°CDB Cooling & Heating:-8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			9/20/20
*1 AHRI1230 Testing condition is: Cooling-indoor 26.7°C DB/19.4°CWB and Outdoor 35°CDB/23.9°CWB Heating-indoor 21.1°CDB/15.6°CWB and Outdoor 8.3°CDB/6.1°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.			

Model			YCV335HR	YCV400HR
Power supply		Ph-V-Hz	3Ph/380-400V/50-60Hz	3Ph/380-400V/50-60Hz
Nominal capacity		HP	12	14
Cooling*1	Capacity	kW	33.5	40
	Power Input	kW	9.18	12.3
	EER		3.65	3.25
	Current	A	15.00	20.10
Heating*1	Capacity	kW	37.5	45
	Power Input	kW	9.15	11.1
	COP		4.10	4.05
	Current	A	14.95	18.13
Max. Power Input		kW	17.54	18.55
Max. Current		A	27.9	29.5
Compressor	Type		DC INV. SCROLL+ STD SCROLL	DC INV. SCROLL+ STD SCROLL
	Capacity	W	17200W+21000W	17200W+21000W
	Power Input	W	5250W+6520W	5250W+6520W
	Rated Current (RLA)	A	18.5+9.4	18.5+9.4
	Speed	rps	60	60
	Crankcase Heater	W	33+33	33+33
	Refrigerant oil	ml	2300+1700+2000	2300+1700+2000
Outdoor fan motor	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		E	E
	Safe Class		I	I
	Power Input	W	500*2	500*2
	Output	W	375*2	375*2
	Rated Current	A	3.0*2	3.0*2
	Capacitor	μF	/	/
Outdoor fan	Speed	rpm	960	960
	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	540	540
Outdoor coil	Height	mm	190.5	190.5
	Number of Rows		3	3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
Cabinet Coating	Coil Length x Height	mm	(1760x660)*2	(1760x660)*2
	Number of Circuits		16	16
	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
Sheet Metal Thickness			0.8	0.8

Continued

Model			YCV335HR	YCV400HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	14100	14100
Outdoor Sound Level (Sound Pressure Level)		dB (A)	60	60
Outdoor unit	Dimension (WxHxD)	mm	1390x1808x750	1390x1808x750
	Packing (WxHxD)	mm	1490x1990x860	1490x1990x860
	Net/Gross weight	kg	368/393	368/393
Refrigerant	Type		R-410A	R-410A
	Charged volume*2	kg	10	10
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø12.7/ø25.4/ø22.22	ø12.7/ø25.4/ø22.22
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	19	23
Connection wiring	Power wiring	mm ²	16	16
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating:-8°C-18°CWB Heating: -15°C-15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating:-8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			7/14/14	7/14/14
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCV450HR
Power supply		Ph-V-Hz	3Ph/380-400V/50-60Hz
Nominal capacity		HP	16
Cooling*1	Capacity	kW	45
	Power Input	kW	14.1
	EER		3.20
	Current	A	23.04
Heating*1	Capacity	kW	50
	Power Input	kW	13.5
	COP		3.70
	Current	A	22.06
Max. Power Input		kW	20.48
Max. Current		A	32.37
Compressor	Type		DC INV. SCROLL+ STD SCROLL
	Capacity	W	17200W+21000W
	Power Input	W	5250W+6520W
	Rated Current (RLA)	A	18.5+9.4
	Speed	rps	60
	Crankcase Heater	W	33+33
	Refrigerant oil	ml	2300+1700+2000
Outdoor fan motor	Voltage		208-230
	IP Class		IP23
	Type		DC
	Insulation Class		E
	Safe Class		I
	Power Input	W	500*2
	Output	W	375*2
	Rated Current	A	3.0*2
	Capacitor	μF	/
	Speed	rpm	960
Outdoor fan	Material		Plastic
	Type		Axial
	Diameter	mm	540
	Height	mm	190.5
Outdoor coil	Number of Rows		3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22
	Fin Spacing	mm	1.70
	Fin Type		Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer
	Salt Spray Test Duration	Hour	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE
		mm	Φ8
	Coil Length x Height	mm	(1760x660)*2
	Number of Circuits		16
Cabinet Coating	Coating Type		Powder Coating
	Salt Spray Test Duration	Hour	72
	Sheet Metal Material		Hot zinc plate
	Sheet Metal Thickness		0.8

Continued

Model			YCV450HR
Control Panel Enclosure IP Class			IP24
Outdoor Air Flow		m ³ /h	14100
Outdoor Sound Level (Sound Pressure Level)		dB (A)	60
Outdoor unit	Dimension (WxHxD)	mm	1390x1808x750
	Packing (WxHxD)	mm	1490x1990x860
	Net/Gross weight	kg	368/393
Refrigerant	Type		R410A
	Charged volume*2	kg	10
Throttle type			EXV
Design pressure		MPa	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø12.7/ø28.58/ø25.4
	Max. Refrigerant pipe length	m	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15
Maximum indoor units		Piece	26
Connection wiring	Power wiring	mm ²	25
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating:-8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			7/14/14
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.			

Model			YCV560HR	YCV615HR
Power supply		Ph-V-Hz	380~400-3-50/60	380~400-3-50/60
Nominal capacity		HP	20	22
Cooling*1	Capacity	kW	56	61.5
	Power Input	kW	15.1	16.73
	EER		3.71	3.68
	Current	A	24.67	27.33
Heating*1	Capacity	kW	63	69
	Power Input	kW	15.94	17.12
	COP		3.95	4.03
	Current	A	26.04	27.97
Max. Power Input		kW	29.4	32.24
Max. Current		A	46.8	51.3
Compressor	Type		DC INV. SCROLL*2	DC INV. SCROLL+ (DC INV. SCROLL+STD SCROLL)
	Capacity	W	17200W*2	17200W+ (17200W+21000W)
	Power Input	W	5250W*2	5250W+ (5250W+6520W)
	Rated Current (RLA)	A	18.5*2	18.5+ (18.5+9.4)
	Speed	rps	60	60
	Crankcase Heater	W	33*2	33+ (33+33)
	Refrigerant oil	ml	2300+1000*2	2300+1000+ (2300+1700+2000)
Outdoor fan motor	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		B	E
	Safe Class		I	I
	Power Input	W	1000*2	1000+500*2
	Output	W	750*2	750+375*2
	Rated Current	A	4.4*2	4.4+3.0*2
	Capacitor	μF	/	/
	Speed	rpm	825*2	825+960
Outdoor fan	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	642*2	642+540
	Height	mm	198*2	198+190.5
Outdoor coil	Number of Rows		2*2	2+3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
	Coil Length x Height	mm	(1340x660)*2*2	(1340x660)*2 + (1760x660)*2
	Number of Circuits		10*2	10+16
Cabinet Coating	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness		0.8	0.8

Continued

Model			YCV560HR	YCV615HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	22200	25200
Outdoor Sound Level (Sound Pressure Level)		dB (A)	60	61
Outdoor unit	Dimension (WxHxD)	mm	(990x1808x750)*2	990x1808x750+1390x1808x750
	Packing (WxHxD)	mm	(1090x1990x860)*2	1090x1990x860+1490x1990x860
	Net/Gross weight	kg	480/510	608/641
Refrigerant	Type		R-410A	R-410A
	Charged volume*2	kg	20	20
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø15.88/ø28.58/ø25.4	ø15.88/ø28.58/ø25.4
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	33	36
Connection wiring	Power wiring	mm ²	32	32
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating:-8°C-18°CWB Heating: -15°C-15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating:-8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			(9/20/20)*2	9/20/20+7/14/14
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCV680HR	YCV730HR
Power supply		Ph-V-Hz	380~400-3-50/60	380~400-3-50/60
Nominal capacity		HP	24	26
Cooling*1	Capacity	kW	68	73
	Power Input	kW	19.85	21.65
	EER		3.43	3.37
	Current	A	32.43	35.37
Heating*1	Capacity	kW	76.5	81.5
	Power Input	kW	19.07	21.47
	COP		4.01	3.80
	Current	A	31.16	35.08
Max. Power Input		kW	33.25	35.18
Max. Current		A	52.9	55.77
Compressor	Type		DC INV. SCROLL+ (DC INV. SCROLL+STD SCROLL)	DC INV. SCROLL+ (DC INV. SCROLL+STD SCROLL)
	Capacity	W	17200W+ (17200W+21000W)	17200W+ (17200W+21000W)
	Power Input	W	5250W+ (5250W+6520W)	5250W+ (5250W+6520W)
	Rated Current (RLA)	A	18.5+ (18.5+9.4)	18.5+ (18.5+9.4)
	Speed	rps	60	60
	Crankcase Heater	W	33+ (33+33)	33+ (33+33)
	Refrigerant oil	ml	2300+1000+ (2300+1700+2000)	2300+1000+ (2300+1700+2000)
Outdoor fan motor	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		E	E
	Safe Class		I	I
	Power Input	W	1000+500*2	1000+500*2
	Output	W	750+375*2	750+375*2
	Rated Current	A	4.4+3.0*2	4.4+3.0*2
	Capacitor	μF	/	/
	Speed	rpm	825+960	825+960
Outdoor fan	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	642+540	642+540
	Height	mm	198+190.5	198+190.5
Outdoor coil	Number of Rows		2+3	2+3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
	Coil Length x Height	mm	(1340x660)*2+ (1760x660)*2	(1340x660)*2+ (1760x660)*2
	Number of Circuits		10+16	10+16
Cabinet Coating	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness		0.8	0.8

Continued

Model			YCV680HR	YCV730HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	25200	25200
Outdoor Sound Level (Sound Pressure Level)		dB (A)	61	61
Outdoor unit	Dimension (WxHxD)	mm	990x1808x750+1390x1808x750	990x1808x750+1390x1808x750
	Packing (WxHxD)	mm	1090x1990x860+1490x1990x860	1090x1990x860+1490x1990x860
	Net/Gross weight	kg	608/641	608/641
Refrigerant	Type		R-410A	R410A
	Charged volume*2	kg	20	20
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø15.88/ø31.8/ø28.58	ø19.05/ø31.8/ø28.58
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	39	43
Connection wiring	Power wiring	mm ²	32	32
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			9/20/20+7/14/14	9/20/20+7/14/14
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCV800HR	YCV850HR
Power supply		Ph-V-Hz	380~400-3-50/60	380~400-3-50/60
Nominal capacity		HP	28	30
Cooling*1	Capacity	kW	80	85
	Power Input	kW	24.6	26.4
	EER		3.25	3.22
	Current	A	40.19	43.13
Heating*1	Capacity	kW	90	95
	Power Input	kW	22.2	24.6
	COP		4.05	3.86
	Current	A	36.27	40.19
Max. Power Input		kW	37.1	39.03
Max. Current		A	59	61.87
Compressor	Type		(DC INV. SCROLL+STD SCROLL)+ (DC INV. SCROLL+STD SCROLL)	(DC INV. SCROLL+STD SCROLL)+ (DC INV. SCROLL+STD SCROLL)
	Capacity	W	(17200W+21000W) + (17200W+21000W)	(17200W+21000W) + (17200W+21000W)
	Power Input	W	(5250W+6520W) + (5250W+6520W)	(5250W+6520W) + (5250W+6520W)
	Rated Current (RLA)	A	(18.5+9.4) + (18.5+9.4)	(18.5+9.4) + (18.5+9.4)
	Speed	rps	60	60
	Crankcase Heater	W	(33+33) + (33+33)	(33+33) + (33+33)
	Refrigerant oil	ml	(2300+1700+2000) + (2300+1700+2000)	(2300+1700+2000) + (2300+1700+2000)
Outdoor fan motor	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		B	B
	Safe Class		I	I
	Power Input	W	500*2+500*2	500*2+500*2
	Output	W	375*2+375*2	375*2+375*2
	Rated Current	A	3.0*2+3.0*2	3.0*2+3.0*2
	Capacitor	μF	/	/
	Speed	rpm	960+960	960+960
Outdoor fan	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	540+540	540+540
	Height	mm	190.5+190.5	190.5+190.5
Outdoor coil	Number of Rows		3+3	3+3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
	Coil Length x Height	mm	(1760x660)*2+ (1760x660)*2	(1760x660)*2+ (1760x660)*2
Cabinet Coating	Number of Circuits		16+16	16+16
	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness		0.8	0.8

Continued

Model			YCV800HR	YCV850HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	28200	28200
Outdoor Sound Level (Sound Pressure Level)		dB (A)	62	62
Outdoor unit	Dimension (WxHxD)	mm	1390x1808x750+1390x1808x750	1390x1808x750+1390x1808x750
	Packing (WxHxD)	mm	1490x1990x860+1490x1990x860	1490x1990x860+1490x1990x860
	Net/Gross weight	kg	736/772	736/772
Refrigerant	Type		R-410A	R-410A
	Charged volume*2	kg	20	20
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø19.05/ø31.8/ø28.58	ø19.05/ø31.8/ø28.58
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	46	50
Connection wiring	Power wiring	mm ²	41	42
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			7/14/14+7/14/14	7/14/14+7/14/14
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCV900HR	YCV960HR
Power supply		Ph-V-Hz	380~400-3-50/60	380~400-3-50/60
Nominal capacity		HP	32	34
Cooling*1	Capacity	kW	90	96
	Power Input	kW	28.2	27.4
	EER		3.19	3.50
	Current	A	46.07	44.76
Heating*1	Capacity	kW	100	108
	Power Input	kW	27	27.04
	COP		3.70	3.99
	Current	A	44.11	44.18
Max. Power Input		kW	40.96	47.95
Max. Current		A	64.74	76.3
Compressor	Type		(DC INV. SCROLL+ STD SCROLL)*2	DC INV. SCROLL*2+ (DC INV. SCROLL+ STD SCROLL)
	Capacity	W	(17200W+21000W)*2	17200W*2+ (17200W+21000W)
	Power Input	W	(5250W+6520W)*2	5250W*2+ (5250W+6520W)
	Rated Current (RLA)	A	(18.5+9.4)*2	18.5*2+ (18.5+9.4)
	Speed	rps	60	60
	Crankcase Heater	W	(33+33)*2	33*2+ (33+33)
	Refrigerant oil	ml	(2300+1700+2000)*2	2300+1000*2+ (2300+1700+2000)
Outdoor fan motor	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		E	E
	Safe Class		I	I
	Power Input	W	(500*2)*2	1000*2+500*2
	Output	W	(375*2)*2	750*2+375*2
	Rated Current	A	(3.0*2)*2	4.4*2+3.0*2
	Capacitor	μF	/	/
Outdoor fan	Speed	rpm	960*2	825*2+960
	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	540*2	642*2+540
Outdoor coil	Height	mm	190.5*2	198*2+190.5
	Number of Rows		3*2	2*2+3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
	Coil Length x Height	mm	(1760x660)*2*2	(1340x660)*2*2+ (1760x660)*2
Cabinet Coating	Number of Circuits		16*2	10*2+16
	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness		0.8	0.8

Continued

Model			YCV900HR	YCV960HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	28200	39300
Outdoor Sound Level (Sound Pressure Level)		dB (A)	62	63
Outdoor unit	Dimension (WxHxD)	mm	(1390x1808x750)*2	990x1808x750*2+1390x1808x750
	Packing (WxHxD)	mm	(1490x1990x860)*2	1090x1990x860*2+1490x1990x860
	Net/Gross weight	kg	736/772	848/896
Refrigerant	Type		R-410A	R-410A
	Charged volume*2	kg	20	30
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø19.05/ø31.8/ø28.58	ø19.05/ø31.8/ø28.58
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	53	56
Connection wiring	Power wiring	mm ²	42	42
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			(7/14/14)*2	(9/20/20)*2+7/14/14
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCVI010HR	YCVI080HR
Power supply		Ph-V-Hz	380~400-3-50/60	380~400-3-50/60
Nominal capacity		HP	36	38
Cooling*1	Capacity	kW	101	108
	Power Input	kW	29.2	32.15
	EER		3.46	3.36
	Current	A	47.71	52.53
Heating*1	Capacity	kW	113	121.50
	Power Input	kW	29.44	30.17
	COP		3.84	4.03
	Current	A	48.10	49.29
Max. Power Input		kW	49.88	51.8
Max. Current		A	79.17	82.4
Compressor	Type		DC INV. SCROLL*2+ (DC INV. SCROLL+STD SCROLL)	DC INV. SCROLL+ (DC INV. SCROLL+STD SCROLL)+ (DC INV. SCROLL+STD SCROLL)
	Capacity	W	17200W*2+ (17200W+21000W)	17200W+ (17200W+21000W) + (17200W+21000W)
	Power Input	W	5250W*2+ (5250W+6520W)	5250W+ (5250W+6520W) + (5250W+6520W)
	Rated Current (RLA)	A	18.5*2+ (18.5+9.4)	18.5+ (18.5+9.4) + (18.5+9.4)
	Speed	rps	60	60
	Crankcase Heater	W	33*2+ (33+33)	33+(33+33)+(33+33)
Outdoor fan motor	Refrigerant oil	ml	(2300+1000)*2+ (2300+1700+2000)	(2300+1000) + (2300+1700+2000) + (2300+1700+2000)
	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		E	B
	Safe Class		I	I
	Power Input	W	1000*2+500*2	1000+500*2+500*2
	Output	W	750*2+375*2	750+375*2+375*2
	Rated Current	A	4.4*2+3.0*2	4.4+3.0*2+3.0*2
	Capacitor	μF	/	/
Outdoor fan	Speed	rpm	825*2+960	825+960+960
	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	642*2+540	642+540+540
Outdoor coil	Height	mm	198*2+190.5	198+190.5+190.5
	Number of Rows		2*2+3	2+3+3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
	Coil Length x Height	mm	(1340x660)*2*2+ (1760x660)*2	(1340x660)*2+ (1760x660)*2+ (1760x660)*2
Cabinet Coating	Number of Circuits		10*2+16	10+16+16
	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
Sheet Metal Thickness			0.8	0.8

Continued

Model			YCV1010HR	YCV1080HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	36300	39300
Outdoor Sound Level (Sound Pressure Level)		dB (A)	63	63
Outdoor unit	Dimension (WxHxD)	mm	(990x1808x750)*2+ (1390x1808x750)	990x1808x750+1390x1808x750+ 1390x1808x750
	Packing (WxHxD)	mm	(1090x1990x860)*2+ (1490x1990x860)	1090x1990x860+1490x1990x860+ 1490x1990x860
	Net/Gross weight	kg	848/896	976/1027
Refrigerant	Type		R410A	R-410A
	Charged volume*2	kg	30	30
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø19.05/ø38.1/ø34.9	ø19.05/ø38.1/ø34.9
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	59	63
Connection wiring	Power wiring	mm ²	51	57
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C15.5°CWB
Qty per 20'/40'/40'HQ			9/20/20*2+7/14/14	9/20/20+7/14/14+7/14/14
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCV1130HR	YCV1180HR
Power supply		Ph-V-Hz	380~400-3-50/60	380~400-3-50/60
Nominal capacity		HP	40	42
Cooling*1	Capacity	kW	113	118
	Power Input	kW	33.95	35.75
	EER		3.33	3.30
	Current	A	55.47	58.41
Heating*1	Capacity	kW	126.5	131.5
	Power Input	kW	32.57	34.97
	COP		3.88	3.76
	Current	A	53.21	57.13
Max. Power Input		kW	53.73	55.66
Max. Current		A	85.27	88.14
Compressor	Type		DC INV. SCROLL+ (DC INV. SCROLL+STD SCROLL)+ (DC INV. SCROLL+STD SCROLL)	DC INV. SCROLL+ (DC INV. SCROLL+STD SCROLL)*2
	Capacity	W	17200W+(17200W+21000W)+ (17200W+21000W)	17200W+ (17200W+21000W)*2
	Power Input	W	5250W+(5250W+6520W)+ (5250W+6520W)	5250W+ (5250W+6520W)*2
	Rated Current (RLA)	A	18.5+ (18.5+9.4) + (18.5+9.4)	18.5 + (18.5+9.4)*2
	Speed	rps	60	60
	Crankcase Heater	W	33+ (33+33) + (33+33)	33+ (33+33)*2
	Refrigerant oil	ml	(2300+1000) + (2300+1700+2000)+ (2300+1700+2000)	(2300+1000) + (2300+1700+2000)*2
Outdoor fan motor	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		E	E
	Safe Class		I	I
	Power Input	W	1000+500*2+500*2	1000+(500*2)*2
	Output	W	750+375*2+375*2	750+(375*2)*2
	Rated Current	A	4.4+3.0*2+3.0*2	4.4+(3.0*2)*2
	Capacitor	μF	/	/
	Speed	rpm	825+960+960	825+960*2
Outdoor fan	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	642+540+540	642+540*2
	Height	mm	198+190.5+190.5	198+190.5*2
Outdoor coil	Number of Rows		2+3+3	2+3*2
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
	Coil Length x Height	mm	(1340x660)*2+ (1760x660)*2+ (1760x660)*2	(1340x660)*2+ (1760x660)*2*2
Cabinet Coating	Number of Circuits		10+16+16	10+16*2
	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness		0.8	0.8

Continued

Model			YCVI130HR	YCVI180HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	39300	39300
Outdoor Sound Level (Sound Pressure Level)		dB (A)	63	63
Outdoor unit	Dimension (WxHxD)	mm	(990x1808x750) + (1390x1808x750)+ (1390x1808x750)	(990x1808x750)+ (1390x1808x750)*2
	Packing (WxHxD)	mm	(1090x1990x860) + (1490x1990x860)+ (1490x1990x860)	(1090x1990x860) + (1490x1990x860)*2
	Net/Gross weight	kg	976/1027	976/1027
Refrigerant	Type		R-410A	R-410A
	Charged volume*2	kg	30	30
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø19.05/ø38.1/ø34.9	ø19.05/ø38.1/ø34.9
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	64	64
Connection wiring	Power wiring	mm ²	57	57
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			9/20/20+7/14/14+7/14/14	9/20/20+7/14/14*2
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCVI235HR	YCVI300HR
Power supply		Ph-V-Hz	380~400-3-50/60	380~400-3-50/60
Nominal capacity		HP	44	46
Cooling*1	Capacity	kW	123.5	130
	Power Input	kW	37.38	40.5
	EER		3.30	3.21
	Current	A	61.07	66.17
Heating*1	Capacity	kW	137.5	145
	Power Input	kW	36.15	38.1
	COP		3.80	3.81
	Current	A	59.06	62.25
Max. Power Input		kW	58.5	59.51
Max. Current		A	92.64	94.24
Compressor	Type		(DC INV. SCROLL+STD SCROLL)+ (DC INV. SCROLL+STD SCROLL)*2	(DC INV. SCROLL+STD SCROLL)+ (DC INV. SCROLL+STD SCROLL)*2
	Capacity	W	(17200W+21000W)+ (17200W+21000W)*2	(17200W+21000W)+ (17200W+21000W)*2
	Power Input	W	(5250W+6520W) + (5250W+6520W)*2	(5250W+6520W) + (5250W+6520W)*2
	Rated Current (RLA)	A	(18.5+9.4) + (18.5+9.4)*2	(18.5+9.4) + (18.5+9.4)*2
	Speed	rps	60	60
	Crankcase Heater	W	(33+33) + (33+33)*2	(33+33) + (33+33)*2
	Refrigerant oil	ml	(2300+1700+2000) + (2300+1700+2000)*2	(2300+1700+2000) + (2300+1700+2000)*2
Outdoor fan motor	Voltage		208-230	208-230
	IP Class		IP23	IP23
	Type		DC	DC
	Insulation Class		E	B
	Safe Class		I	I
	Power Input	W	500*2+ (500*2)*2	500*2+ (500*2)*2
	Output	W	375*2+ (375*2)*2	375*2+ (375*2)*2
	Rated Current	A	3.0*2+ (3.0*2)*2	3.0*2+ (3.0*2)*2
	Capacitor	μF	/	/
	Speed	rpm	960+960*2	960+960*2
Outdoor fan	Material		Plastic	Plastic
	Type		Axial	Axial
	Diameter	mm	540+540*2	540+540*2
	Height	mm	190.5+190.5*2	190.5+190.5*2
Outdoor coil	Number of Rows		3+3*2	3+3*2
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22	19.05*22
	Fin Spacing	mm	1.70	1.70
	Fin Type		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE	INNERGROOVE TUBE
		mm	Φ8	Φ8
	Coil Length x Height	mm	(1760x660)*2+ (1760x660)*2*2	(1760x660)*2+ (1760x660)*2*2
Cabinet Coating	Number of Circuits		16+16*2	16+16*2
	Coating Type		Powder Coating	Powder Coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness		0.8	0.8

Continued

Model			YCVI235HR	YCVI300HR
Control Panel Enclosure IP Class			IP24	IP24
Outdoor Air Flow		m ³ /h	42300	42300
Outdoor Sound Level (Sound Pressure Level)		dB (A)	64	64
Outdoor unit	Dimension (WxHxD)	mm	(1390x1808x750)+ (1390x1808x750)*2	(1390x1808x750) + (1390x1808x750)*2
	Packing (WxHxD)	mm	(1490x1990x860) + (1490x1990x860)*2	(1490x1990x860) + (1490x1990x860)*2
	Net/Gross weight	kg	1104/1158	1104/1158
Refrigerant	Type		R-410A	R410A
	Charged volume*2	kg	30	30
Throttle type			EXV	EXV
Design pressure		MPa	4.15	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø19.05/ø38.1/ø34.9	ø19.05/ø38.1/ø34.9
	Max. Refrigerant pipe length	m	175	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15	15
Maximum indoor units		Piece	64	64
Connection wiring	Power wiring	mm ²	57	66
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			7/14/14+7/14/14*2	7/14/14+7/14/14*2
*1 AHRI1230 Testing condition is: Cooling-indoor 26.7°C DB/19.4°CWB and Outdoor 35°CDB/23.9°CWB Heating-indoor 21.1°CDB/15.6°CWB and Outdoor 8.3°CDB/6.1°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.				

Model			YCVI350HR
Power supply		Ph-V-Hz	380~400-3-50/60
Nominal capacity		HP	48
Cooling*1	Capacity	kW	135
	Power Input	kW	42.3
	EER		3.19
	Current	A	69.11
Heating*1	Capacity	kW	150
	Power Input	kW	40.5
	COP		3.70
	Current	A	66.17
Max. Power Input		kW	61.44
Max. Current		A	97.11
Compressor	Type		(DC INV. SCROLL+ STD SCROLL)*3
	Capacity	W	(17200W+21000W)*3
	Power Input	W	(5250W+6520W)*3
	Rated Current (RLA)	A	(18.5+9.4)*3
	Speed	rps	60
	Crankcase Heater	W	(33+33)*3
Outdoor fan motor	Refrigerant oil	ml	(2300+1700+2000)*3
	Voltage		208-230
	IP Class		IP23
	Type		DC
	Insulation Class		B
	Safe Class		I
	Power Input	W	(500*2)*3
	Output	W	(375*2)*3
	Rated Current	A	(3.0*2)*3
	Capacitor	μF	/
Outdoor fan	Speed	rpm	960*3
	Material		Plastic
	Type		Axial
	Diameter	mm	540*3
Outdoor coil	Height	mm	190.5*3
	Number of Rows		3*3
	Tube Pitch (a) x Row Pitch (b)	mm	19.05*22
	Fin Spacing	mm	1.70
	Fin Type		Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer
	Salt Spray Test Duration	Hour	168
	Tube Outside Dia.and Type		INNERGROOVE TUBE
		mm	Φ8
	Coil Length x Height	mm	(1760x660)*2*3
Cabinet Coating	Number of Circuits		16*3
	Coating Type		Powder Coating
	Salt Spray Test Duration	Hour	72
	Sheet Metal Material		Hot zinc plate
	Sheet Metal Thickness		0.8

Continued

Model			YCVI350HR
Control Panel Enclosure IP Class			IP24
Outdoor Air Flow		m ³ /h	42300
Outdoor Sound Level (Sound Pressure Level)		dB (A)	64
Outdoor unit	Dimension (WxHxD)	mm	(1390x1808x750)*3
	Packing (WxHxD)	mm	(1490x1990x860)*3
	Net/Gross weight	kg	1104/1158
Refrigerant	Type		R410A
	Charged volume*2	kg	30
Throttle type			EXV
Design pressure		MPa	4.15
Refrigerant piping	Liquid / Suction gas / High pressure gas	mm	ø19.05/ø34.9/ø38.1
	Max. Refrigerant pipe length	m	175
	Max.Diff. indoor/outdoor unit	m	50 (Outdoor higher than indoor) 40 (Indoor higher than outdoor)
	Max.Diff. indoor/indoor unit	m	15
Maximum indoor units		Piece	64
Connection wiring	Power wiring	mm ²	75
	Signal wiring	mm ²	Shield Wire: (0.75-2)*2
Operation Range		°C	Cooling: -5°C-43°CDB Cooling & Heating: -8°C-18°CWB Heating: -15°C-15.5°CWB
Qty per 20'/40'/40'HQ			(7/14/14)*3
*1 GB/T18837 Testing condition is: Cooling-indoor 27°C DB/19°CWB and Outdoor 35°CDB/24°CWB Heating-indoor 20°CDB and Outdoor 7°CDB/6°CWB *2 Precharge refrigerant in outdoor unit is 10kg. The actual refrigerant amount please refer to selection software.			

INSTALLATION MANUAL

VRF Standard Ambient Outdoor Heat Recovery 380V/3Ph/50~60Hz

YCV280HR
YCV335HR
YCV400HR
YCV450HR

Read this manual before installation and operation
Make sure that it is well kept for later reference

User Manual

This series is cooling and heating heat recovery models. Only when the system is equipped with Valve Box (VP) device, indoor units connecting with different VP device can achieve cooling and heating simultaneously.

The modes of the indoors connecting with the same VP device should be the same. If the indoors connected without VP device, the indoors only can run one mode -cooling mode regardless of the operation mode of the outdoor unit.

To protect compressor, before startup, the unit should be electrified for over 12 hours. If the unit is not used for a long time, please cut off the power to save energy, or the unit will consume the power.

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Electric wiring and the application	64
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Trial operation and the performance	93

Operation condition:

To use the air conditioner normally, please perform as to the below conditions.

Operating Range of Air Conditioner

Cooling dry	Indoor	Max.	DB:32℃	WB:23℃
		Min.	DB:18℃	WB:14℃
	Outdoor	Max.	DB:43℃	
		Min.	DB:-5℃	
Heating	Indoor	Max.	DB:27℃	
		Min.	DB:15℃	
	Outdoor	Max.		WB:15.5℃
		Min.		WB:-15℃
Cooling and heating	Indoor	Max.	DB:27℃	
		Min.	DB:18℃	WB:14℃
	Outdoor	Max.		WB:18℃
		Min.		WB:-8℃

Safety

- This manual should always be accessible and close to this air condition equipment.
- There are two types of indications, "△WARNING" and "△CAUTION". The indication preventing from death or heavy injury is listed as "△WARNING". Even the indication listed as "△CAUTION" may also cause serious accident. Both of them are related to safety, and should be strictly followed.
- After installation and start-up commissioning, please handover the manual to the user. The manual should be well kept in safe place and close to the unit.

△WARNING

- The installation or the maintenance should be performed by an authorized agency. The wrong operation of this air condition equipment may cause water leakage, electric shock or fire
- Please install the unit on the top of a solid foundation or structure which is strong enough to support the unit.
- The installation of this air condition equipment should follow local construction codes.
- Use the right cable size, secure the terminal firmly, organize the cables well and make sure no tension is added on cables. Cable insulation should not be damaged. The incorrect installation may lead to overheat or fire
- When installing or moving the unit, the refrigerant system should be vacuumed and recharged with R-410A refrigerant. If any other gas enters the system, it may lead to abnormal high pressure which may cause damage or injury.
- Please use the proper manifolds or branches during the system installation. The wrong parts may cause refrigerant leakage.
- Keep the drain pipe away from toxic gas vents to prevent possible pollution of indoor environment.
- During or after the installation, please check whether there is refrigerant leakage. If any leakage, please take any measures for ventilation. The refrigerant may be toxic at some concentration levels.
- The unit is not explosion-proof. Please keep it away from flammable gases
- The drain pipe should be installed per this manual to ensure proper drainage. The pipe should be well insulated to avoid condensation. Wrong installation may lead to water leakage.
- All of liquid pipe, HP gas pipe and the suction gas pipe should be also well insulated. Not enough insulation may lead to system performance deterioration or humidity formation.
- This air condition equipment is not intended to be operated by persons with lack of experience and training, unless they have supervision or instruction concerning use of this air condition equipment.
- Please keep children away from this air condition equipment.

Safety

⚠CAUTION

- Grounding wire should be connected with the grounding bar. The grounding wire can not be connected to the gas pipe, water pipe, lightening rod or the telephone grounding wire. Improper grounding may cause electric shock.
- Units installed on roof should have appropriate access and handrail.
- Use the wrench to fasten the nut and flare at proper torque. Excessive torque may cause flared section to bro leading to refrigerant leakage.
- After refrigerant pipe installation, please take nitrogen leakage test to avoid refrigerant leakage.
- R-410A is the only permitted refrigerant.
- To avoid mischarging wrong refrigerant, the check valve diameter is changed for R-410A. To strengthen the pipe, the flared pipe dimension is also changed. Please use R-410 specified tools as shown below .

	R-410A specified tool	Remarks
1	Gauge manifold	Range:HP > 4.5MPa,LP > 2MPa
2	Charge hose	Pressure:HP:5.3MPa,LP:3.5MPa
3	Electronic weight for charging R410A	No other means permitted
4	Torque wrench	
5	Flare tool	
6	Copper pipe gauge for adjusting projecting margin	
7	Vacuum pump fittin	Vacuum pump must be equipped with check valve
8	Leakage detector	Only Helium detector permitted

- When charging refrigerant, the refrigerant must be in liquid state from the tank.
- To prevent EMC interference on other appliances, please keep indoor unit, outdoor unit, power cable and connecting wire at least 1m away from those appliances .
- Fluorescent lamp (reverse phase or rapid start type) may interfere the remote controller's signal. Please install indoor unit away from fluorescent lamp. The farther the better.

Installation instruction

For installation, please review the items below:

- Is the connected units quantity and the total capacity in the allowable range?
- Is the refrigerant pipe length in the limited range?
- Is the pipe size proper? And if the pipe is installed horizontally?
- Is the branch pipe installed horizontally or vertically?
- Is the additional refrigerant counted correctly and weighed by the standard balance?
- Is there refrigerant leakage?
- Can all the indoor power supplies be on/off simultaneously?
- Is the power voltage in compliance with the data marked on the rating label?
- Have the address of indoor units, VP units and outdoor units been set?

Before installation, read the manual for outdoors, indoors and VP units.

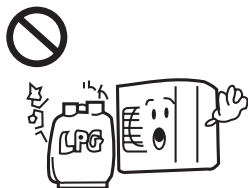
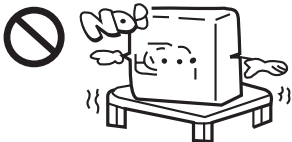
(1) Before installation

- 1) Before installation, check respectively if the model, power supply, pipe, wires and parts purchased are correct.
- 2) Check if the indoors and outdoors can be combined as the following.

Outdoor		Indoor		Gather pipe
Capacity (100W)	Combination type	Indoor Qty	Total indoor capacity (kBtu/h)	
224	Single (8HP)	13	113-293	
280	Single (10HP)	16	140-364	
335	Single (12HP)	19	167-436	
400	Single (14HP)	23	200-520	
450	Single (16HP)	26	225-585	
504	Combination (239+293)	29	252-656	TAS20HR
560	Combination (293+293)	33	280-728	TAS20HR
615	Combination (351+293)	36	307-800	TAS20HR
680	Combination (417+293)	39	340-884	TAS20HR
730	Combination (450+293)	43	365-949	TAS20HR
800	Combination (417+417)	46	400-1040	TAS20HR
850	Combination (417+450)	50	425-1105	TAS20HR
900	Combination (450+450)	53	450-1170	TAS20HR
960	Combination (417+293+293)	56	480-1248	TAS30HR
1010	Combination (450+293+293)	59	505-1313	TAS30HR
1080	Combination (293+417+417)	63	540-1404	TAS30HR
1130	Combination (417+293+450)	64	565-1469	TAS30HR
1180	Combination (450+450+293)	64	590-1534	TAS30HR
1235	Combination (351+450+450)	64	617-1606	TAS30HR
1300	Combination (417+450+450)	64	650-1690	TAS30HR
1350	Combination (450+450+450)	64	675-1755	TAS30HR

Installation instruction

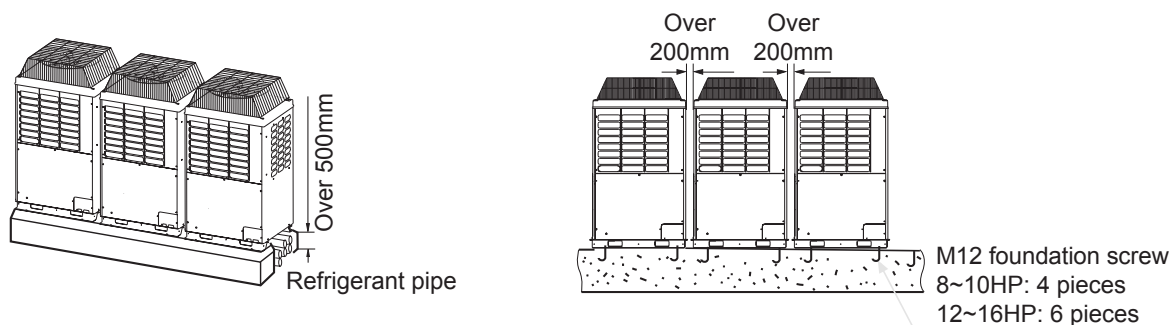
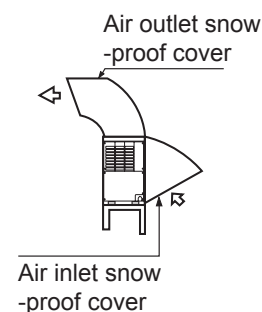
(2) Installation place selection

Air-conditioner can't be installed in the place with inflammable gas. Or it will cause fire hazard 	The unit should be installed at the place with good ventilation. No obstacle at the air inlet/outlet. And no strong wind blows the unit.  The installation space refers to the latter info.	The unit should be installed at the strong enough place. Or it will cause vibration and noise. 
The unit should be installed at the place where the cold/hot air or noise will not interfere the neighbours. 	• The place where the water can flow fluent . • The place where no other heat source will affect the unit. • Pay attention to the snow against clogging the outdoor unit. • In installation, install the anti-vibration rubber between the unit and the bracket.	• The unit is better not be installed at the below places, or it will cause damage. • The place where there is corrosive gas (spa area, etc). • The place blowing salty air (seaside, etc). • The place existing strong coal smoke. • The place with high humidity. • The place where there is device emitting Hertzian waves. • The place where voltage changes greatly.

Installation instruction

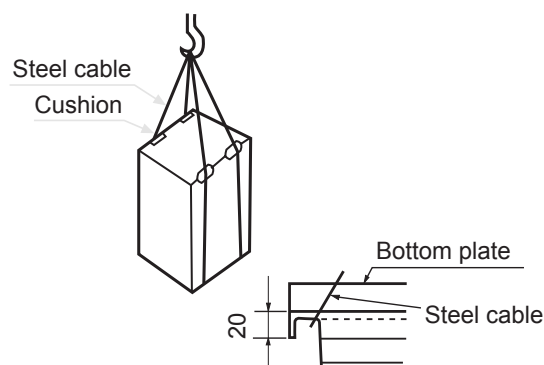
Note:

1. Install adapter to change wind direction at the gas short circuit place.
2. When installing multiple units, there should be enough air inlet place against air in short circuit.
3. In snowy area, install the unit under the bracket or the snow-proof cover against the accumulative snow on the unit.
4. Do not install the unit at the place where the flammable gas will leak
5. Install the unit at the strong enough place.
6. Install the unit at the flat place
7. When the refrigerant pipe is leaded out from the bottom of the unit, the below section should be a bracket with over 500mm height, see below figure
8. When being installed at the place with strong wind, set the air outlet of the unit and the wind direction vertical.
9. When opening the electric box cover for maintenance, please fix the cover with screw firm .



(3) Transportation

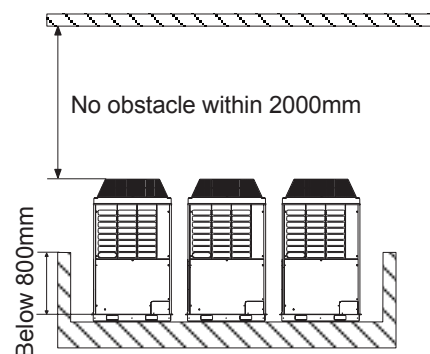
- In transportation, please don't dismantle the packaging, and move the unit to the installation location as closely as possible.
- Don't hang the unit only at two points. When hanging the unit, don't sit on the unit. The unit should be upright.
- When removing the unit with the forklift, put the fork into the special hole at bottom of the unit. When being hanged, the rope should be 4 pieces of steel cable with over 6mm diameter.
- Put the cushion at the contact section between steel cable and the unit against the distortion or damage.



Note:

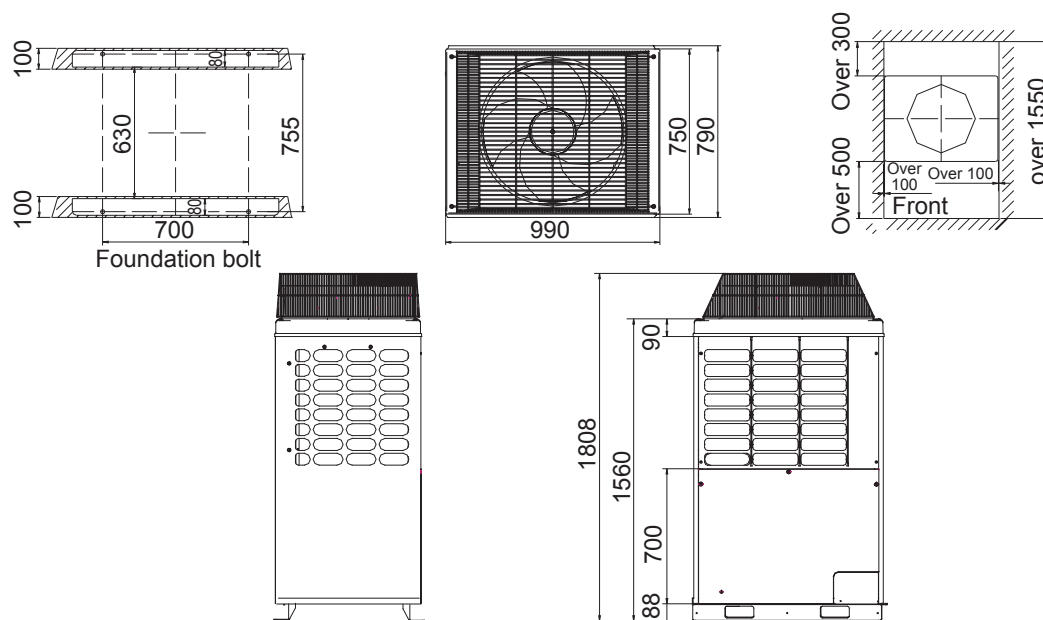
There should be no obstacles in 2000mm above the top of outdoor unit; Obstacles around outdoor unit should be less than 800mm to the bottom of unit.

When multiple modules are installed, the outdoor unit should be in ranked as the capacity, the larger capacity is closer to the main pipe of gather pipe.

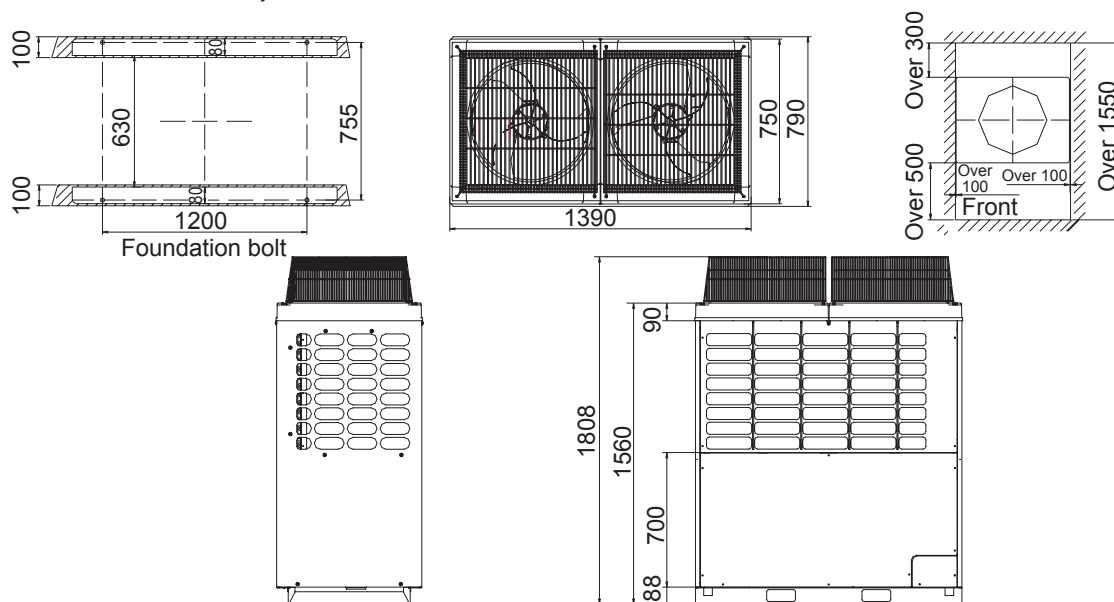


Exterior and installation dimensions

1. 8~10HP exterior and installation dimensions (YCV280HR)



2. 12~16HP exterior and installation dimensions (YCV335HR YCV450HR)



Note:

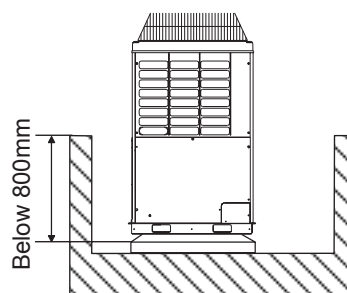
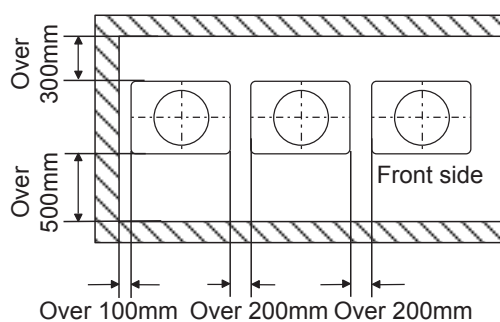
The distance between two outdoor units in the same line and the distance from unit to the wall can be increased for easy maintenance and better heat exchange if there is enough space.

Exterior and installation dimensions

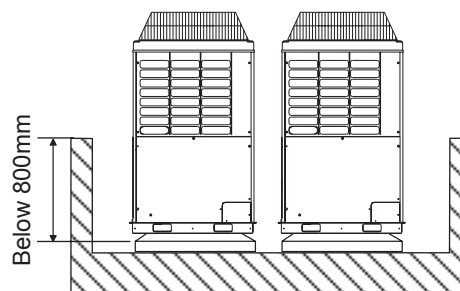
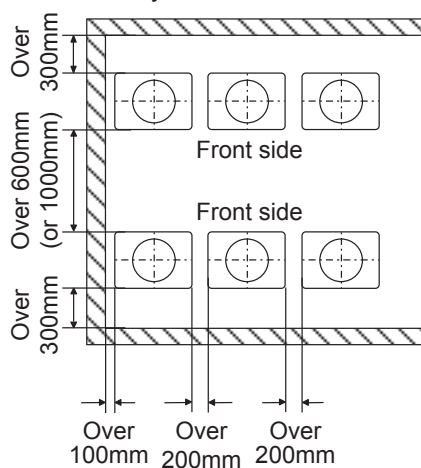
3. Combination installation dimensions

(1) When outer wall is lower than the outdoor condenser

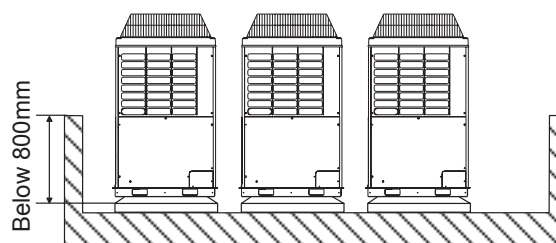
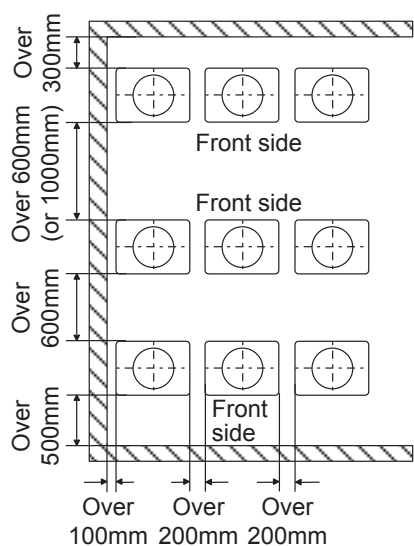
A. Sites for one-row layout



B. Sites for two-row layout



C. Sites for three-row layout



Exterior and installation dimensions

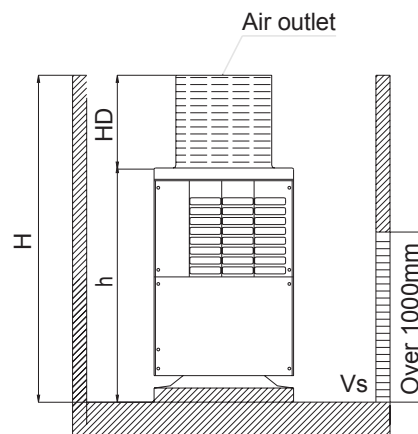
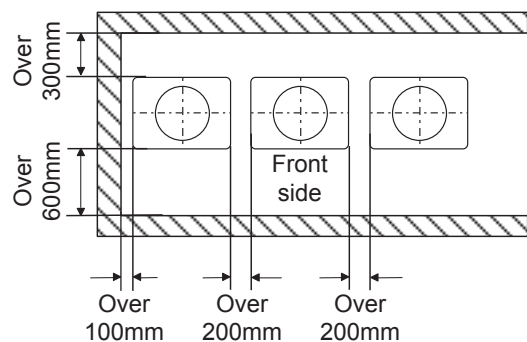
(2) Wall higher than the outdoor condenser

A. Place with air inlet hole

Notes:

a. Fan speed V_s at air inlet is 1.5m/s or below.

b. Air outlet height $H_D = H - h$ and below 1m.

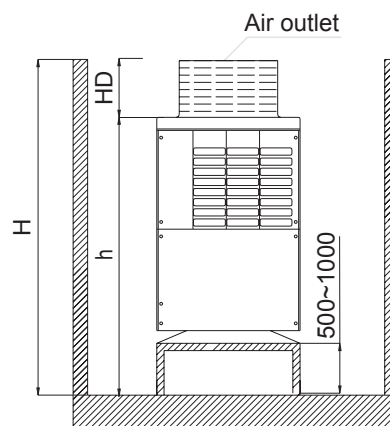
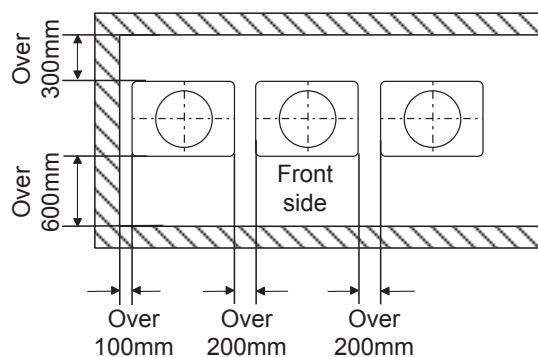


B. Place without air inlet hole

Notes:

a. Set a 500~1000mm bracket.

b. Air outlet height $H_D = H - h$ and below 1m.



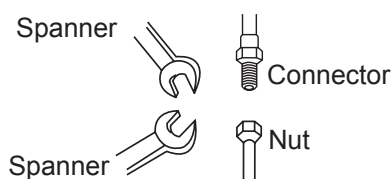
Installation procedure

A. Refrigerant pipe connection

Pipe connection method:

- To ensure the efficiency, the pipe should be as short as possible.
- Daub the refrigerant oil on the connector and the flare nut
- When bending the pipe, the bending semi-diameter should be as large as possible against the pipe being broken or bent.
- When connecting the pipe, aim at the center to thread the nut by hand and tighten it with the double spanners.
- Fastening torque please refers to "pipe specs and fastening torque" on page 59.
- Don't let the impurity such as sand, water etc into the pipe. Antifouling measures refer to Page 48.

When fastening and loosening the nut, operate with double spanners, because only one spanner cannot execute firmly.



If threading the nut as not aiming at the center, the screw thread will be damaged, further it will cause leakage.

Cautions in piping installation:

1. When welding the pipe with hard solder, charge nitrogen into the pipe against oxidation. The pressure gauge should be set at 0.02MPa. Perform the procedure with nitrogen circulation. Otherwise, the oxide film in the pipe may clog the capillary and expansion valve resulting in accident.
2. The refrigerant pipe should be clean. If the water and the other impurity enter the pipe, charge the nitrogen to clean the pipe. The nitrogen should flow under the pressure of about 0.5MPa and when charging the nitrogen stop up the end of the pipe by hand to enhance the pressure in the pipe, then loose the hand (meanwhile stop up the other end).
3. The piping installation should be executed after closing the stop valves.
4. When welding the valve and the pipe, cool down the valve with wet towel.
5. When the connection pipe and the branch pipe need to be cut down, please use the special shears and do not use the saw.
6. When welding copper pipe, use the phosphor copper welding rod without any welding flux. (welding flux will damage the piping system. The welding flux containing chlorine will corrode pipe, especially, the welding flux with fluorine will damage refrigeration oil).

Pipe material and specs selection

1. Please select the refrigerant pipe of the below material.
Material: the phosphoric oxidize seamless copper pipe, model: C1220T-1/2H (diameter is over 19.05); C1220T-0 (diameter is below 15.88).
2. Thickness and specs:
Confirm the pipe thickness and specs according to the pipe selection method (the unit is with R410A, if the pipe over 19.05 is O-type, the pressure preservation will be bad, thus it must be 1/2H type and over the min. thickness).
3. The branch pipe and the gather pipe must be from Airwell.
4. When installing the stop valve, refer to the relative operation instruction.
5. The pipe installation should be in the allowable range.
6. The installation of branch pipe and gather pipe should be performed according to the relative manual.

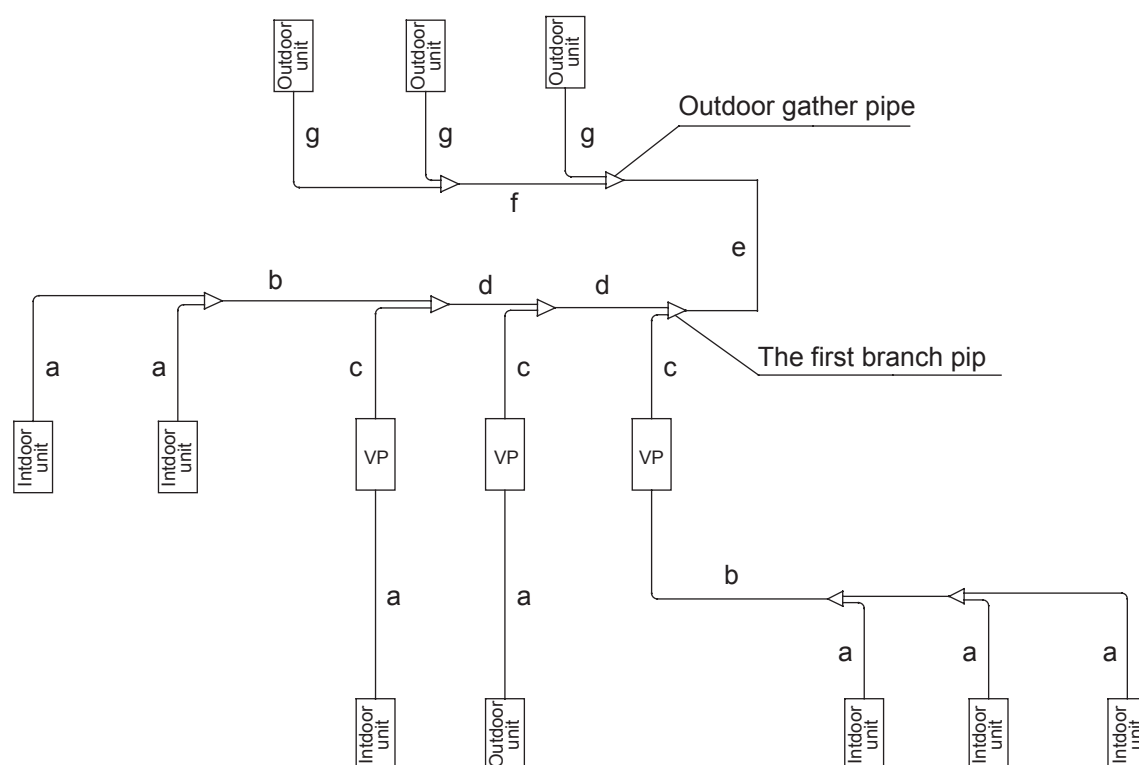
Installation procedure

Anti-fouling measures

First, clean the pipe.

Position	Installation period	Measures
Outdoor	More than 1 month	Flat the pipe end
	Less than 1 month	Flat the pipe end or seal with adhesive tape
Indoor	Nothing to do with period	

Pipe specification:



Installation procedure

1. Pipe "a" diameter (between indoor and branch pipe) (depends on indoor pipe)

Indoor (x100W)	Gas pipe (mm)	Liquid pipe (mm)
22~28	Ø9.52	Ø6.35
36~56	Ø12.7	Ø6.35
71~140	Ø15.88	Ø9.52

2. Pipe "b" diameter (between branch pipes)

Total indoor capacity after the branch pipe (kW)	Gas pipe (mm)	Liquid pipe (mm)
$X < 16.8\text{kW}$	Ø15.88	Ø9.52
$16.8\text{kW} \leq X < 22.4\text{kW}$	Ø19.05	Ø9.52
$22.4\text{kW} \leq X < 33.0\text{kW}$	Ø22.22	Ø9.52
$33.0\text{kW} \leq X < 47.0\text{kW}$	Ø28.58	Ø12.7
$47.0\text{kW} \leq X < 71.0\text{kW}$	Ø28.58	Ø15.88
$71.0\text{kW} \leq X < 101.0\text{kW}$	Ø31.8	Ø19.05
$\geq 101.0\text{kW}$	Ø38.1	Ø19.05

Note:

Adjust the diameter on field (changing pipe is needed)

When the latter indoor total capacity is less than 14.0kw, pipe b will use the specs as the pipe a.

3. Pipe "c" diameter (between VP and branch pipe) (depends on VP pipe)

VP capacity	Suction gas pipe (mm)	HP gas pipe (mm)	Liquid pipe (mm)
4HP	Ø15.88	Ø12.7	Ø9.52
6HP	Ø15.88	Ø15.88	Ø9.52
10HP	Ø22.22	Ø19.05	Ø9.52

4. Pipe "d" diameter (between VP branch pipes)

Total indoor capacity after the branch pipe (KW)	Suction gas pipe (mm)	HP gas pipe (mm)	Liquid pipe (mm)
$X < 16.8\text{kW}$	Ø15.88	Ø12.7	Ø9.52
$16.8\text{kW} \leq X < 22.4\text{kW}$	Ø19.05	Ø15.88	Ø9.52
$22.4\text{kW} \leq X < 33.0\text{kW}$	Ø22.22	Ø19.05	Ø9.52
$33.0\text{kW} \leq X < 47.0\text{kW}$	Ø28.58	Ø25.4	Ø12.7
$47.0\text{kW} \leq X < 71.0\text{kW}$	Ø28.58	Ø25.4	Ø15.88
$71.0\text{kW} \leq X < 101.0\text{kW}$	Ø31.8	Ø28.58	Ø19.05
$\geq 101.0\text{kW}$	Ø38.1	Ø34.9	Ø19.05

Installation procedure

5. Pipe "e" diameter (main pipe, between outdoor gather pipe and the first ranch pipe)

Outdoor capacity (kW)	Main pipe			Enlarged main pipe		
	Suction gas pipe (mm)	HP gas pipe (mm)	Liquid pipe (mm)	Suction gas pipe (mm)	HP gas pipe (mm)	Liquid pipe (mm)
22.4	Ø19.05	Ø19.05	Ø9.52	Ø22.22	Ø19.05	Ø12.7
28.0	Ø22.22	Ø19.05	Ø9.52	Ø25.4	Ø22.22	Ø12.7
33.5	Ø25.4	Ø22.22	Ø12.7	Ø28.58	Ø25.4	Ø12.7
40.0	Ø25.4	Ø22.22	Ø12.7	Ø28.58	Ø25.4	Ø12.7
45.0	Ø28.58	Ø25.4	Ø12.7	Ø31.8	Ø28.58	Ø12.7
50.4	Ø28.58	Ø25.4	Ø15.88	Ø31.8	Ø28.58	Ø15.88
56.0	Ø28.58	Ø25.4	Ø15.88	Ø31.8	Ø28.58	Ø15.88
61.5	Ø28.58	Ø25.4	Ø15.88	Ø31.8	Ø28.58	Ø15.88
68.0	Ø31.8	Ø28.58	Ø15.88	Ø31.8	Ø28.58	Ø15.88
73.0	Ø31.8	Ø28.58	Ø19.05	Ø38.1	Ø34.9	Ø19.05
80.0	Ø31.8	Ø28.58	Ø19.05	Ø38.1	Ø34.9	Ø19.05
85.0	Ø31.8	Ø28.58	Ø19.05	Ø38.1	Ø34.9	Ø19.05
90.0	Ø31.8	Ø28.58	Ø19.05	Ø38.1	Ø34.9	Ø19.05
96.0	Ø31.8	Ø28.58	Ø19.05	Ø38.1	Ø34.9	Ø19.05
101.0	Ø38.1	Ø34.9	Ø19.05	Ø38.1	Ø34.9	Ø22.22
108.0	Ø38.1	Ø34.9	Ø19.05	Ø38.1	Ø34.9	Ø22.22
113.0	Ø38.1	Ø34.9	Ø19.05	Ø38.1	Ø34.9	Ø22.22
118.0	Ø38.1	Ø34.9	Ø19.05	Ø38.1	Ø34.9	Ø22.22
123.5	Ø38.1	Ø34.9	Ø19.05	Ø38.1	Ø34.9	Ø22.22
130.0	Ø38.1	Ø34.9	Ø19.05	Ø38.1	Ø34.9	Ø22.22
135.0	Ø38.1	Ø34.9	Ø19.05	Ø38.1	Ø34.9	Ø22.22

Note:

When the distance from outdoor to the longest indoor is over 90m, the main pipe should be the enlarged diameter.

6. Pipe "f" diameter (between gather pipes)

Total outdoor capacity before gather pipe (kW)	Liquid pipe (mm)	HP gas pipe (mm)	Suction gas pipe (mm)
~68.0	Ø15.88	Ø25.4	Ø28.58
68.0~90	Ø19.05	Ø28.58	Ø31.8

7. Pipe "g" diameter (between outdoor and the gather pipe)

Outdoor capacity	Suction gas pipe (mm)	HP gas pipe (mm)	Liquid pipe (mm)	Oil equalization pipe (mm)
8HP	Ø19.05	Ø19.05	Ø9.52	Ø9.52
10HP	Ø22.22	Ø19.05	Ø9.52	Ø9.52
12/14 HP	Ø25.4	Ø22.22	Ø12.7	Ø9.52
16HP	Ø28.58	Ø25.4	Ø12.7	Ø9.52

Installation procedure

Copper pipe selection:

Material	O type pipe: Soft pipe				
Pipe diameter (mm)	Ø6.35	Ø9.52	Ø12.7	Ø15.88	Ø19.05
Thickness(mm)	0.8	0.8	1.0	1.0	1.1

Material	Hard pipe							
Pipe diameter (mm)	Ø19.05	Ø22.22	Ø25.4	Ø28.58	Ø31.8	Ø34.9	Ø38.1	Ø41.3
Thickness(mm)	1.0	1.0	1.0	1.0	1.1	1.3	1.4	1.5

Long pipe and high drop

1. Applicable range

Model		All outdoors
Item		
Single way total pipe length		300m (correspond length)
Single way pipe length		Max. 175m (correspond length)
Main pipe between outdoor to 1st branch		Max. 135m (correspond length)
Pipe length between outdoors		Less than 10m to 1st branch pipe
Height difference between indoor and outdoor	Outdoor is upper	Max. 50m
	Outdoor is lower	Max. 40m
Height difference between outdoors (in the same system)		Within 5m (better be horizontal)
Max. pipe length from 1st branch pipe to indoor		Max. 40m
Height difference between indoors		Max. 15m

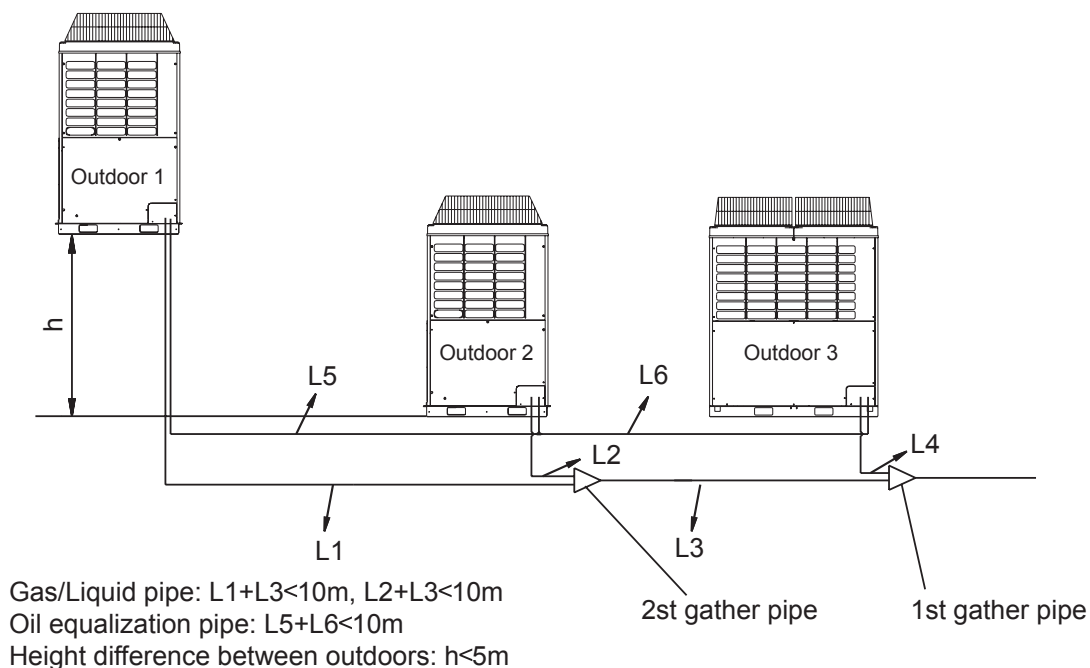
When the pipe between the outdoor unit and its furthest indoor unit is longer than 90m, the specification of master pipe (Gas pipe/ Liquid pipe) between outdoor unit and the first Y joint should be upgraded for one level. For more details, please refer to "*Outdoor pipe selection table*"

When the pipe between the first Y joint and its furthest indoor unit is longer than 40m,

- (1) The specification of the master pipe (Gas pipe/ Liquid pipe) between the first Y joint and its furthest indoor unit should be upgraded for one level.
- (2) The distance between the furthest indoor unit and the nearest one $\leq$ 40m.

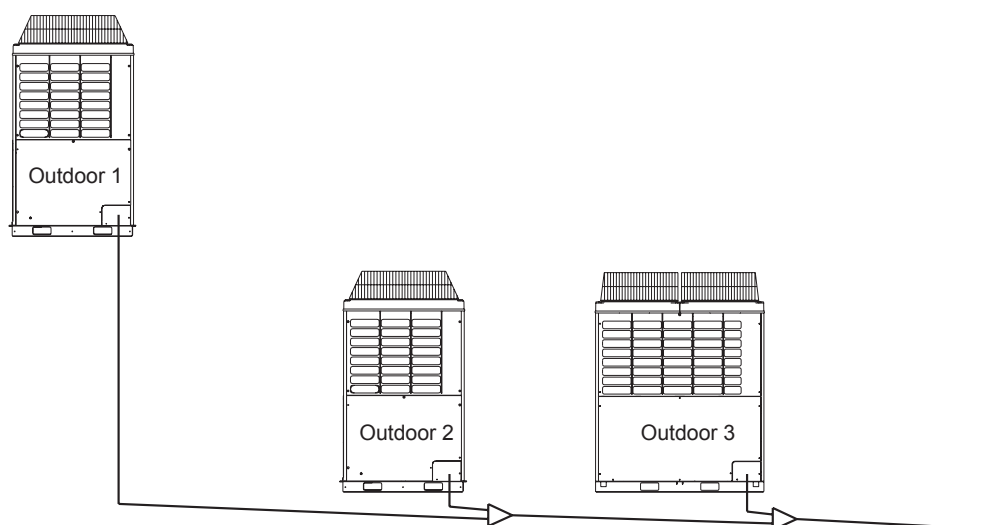
Installation procedure

2. Pipe length between outdoors



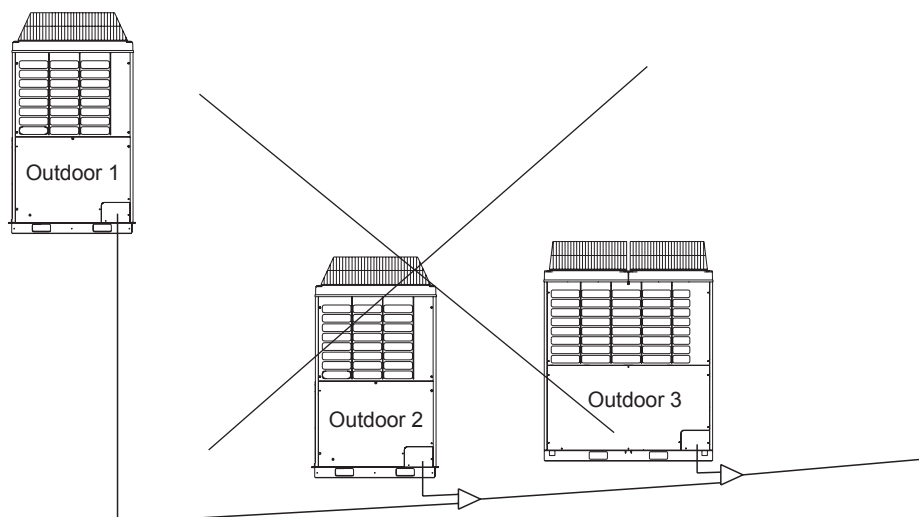
Note:

- TAS30HR includes TAS20HR;
- The connection pipe among outdoors can not be higher than the stop valve position;
- The connection pipe among outdoors should be horizontal or be in a certain angle as the below figure (less than 15 degree).

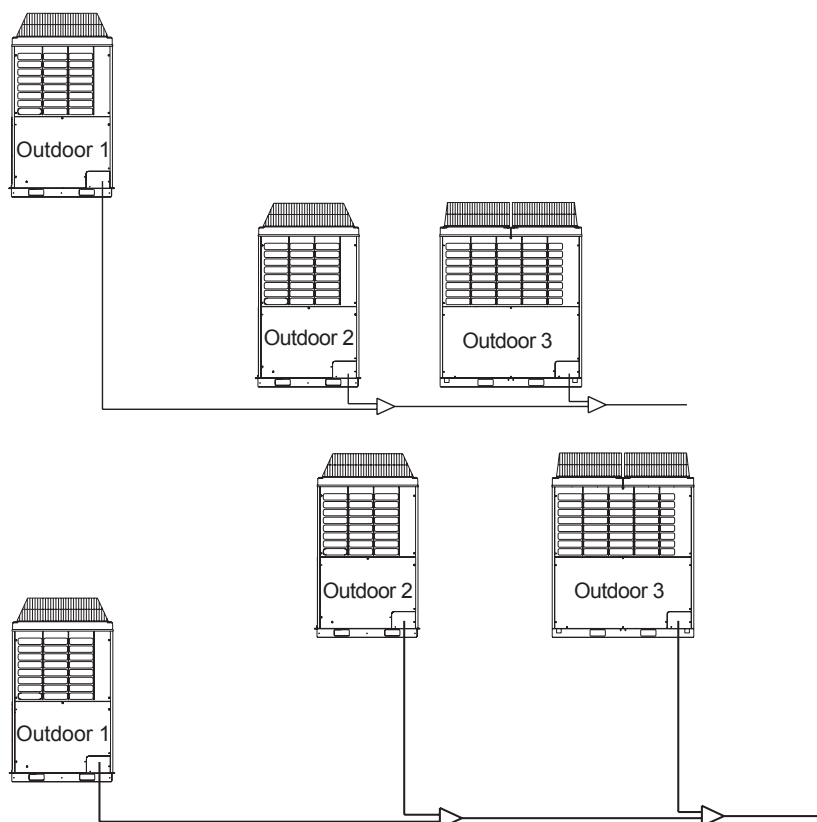


Installation procedure

Piping installation with positive slope is not allowed



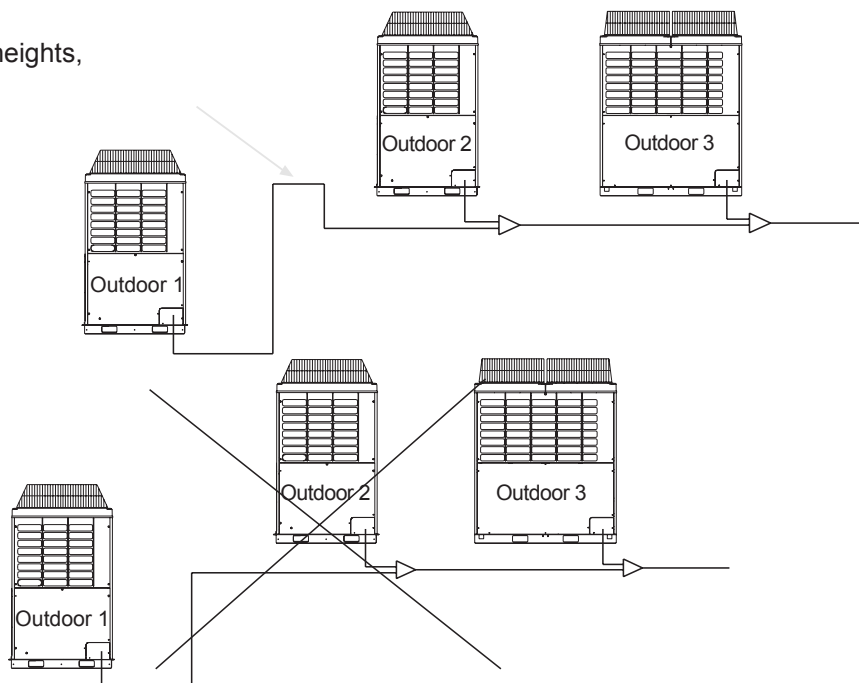
d. For installations with outdoors at different heights ,please follow either of the lay out below:



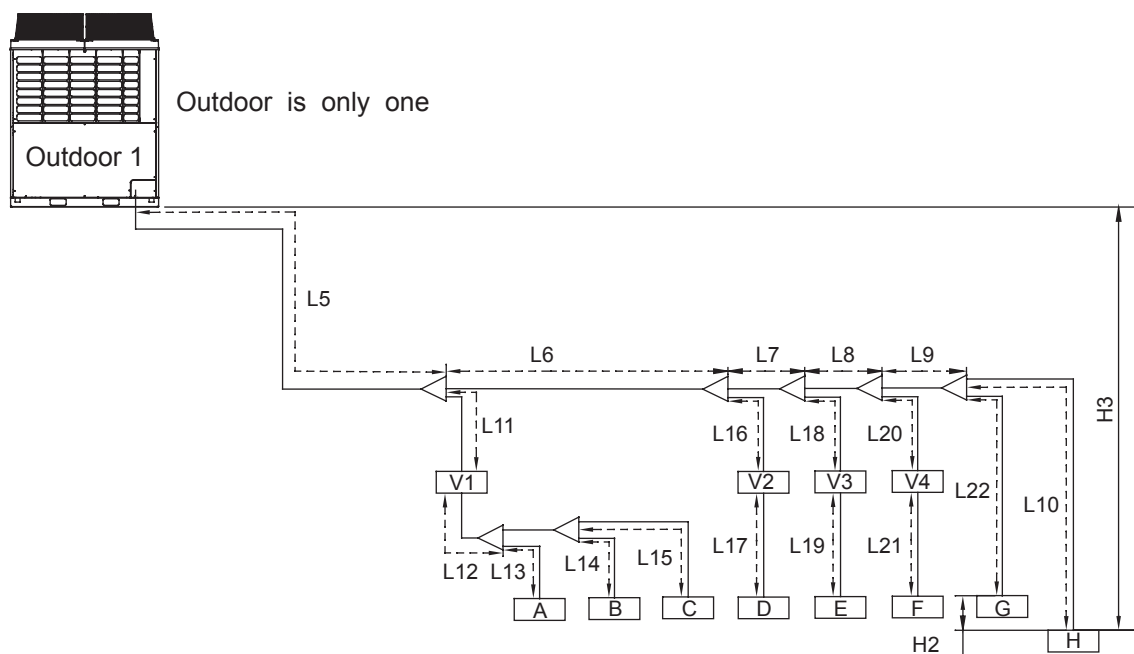
Installation procedure

When changing the height of the pipe and connecting different outdoors at different heights, please do as the figure shows: Oil trap (upright projecting pipe, 200mm high), for maximum outdoor unit height difference, please refer to Page 55

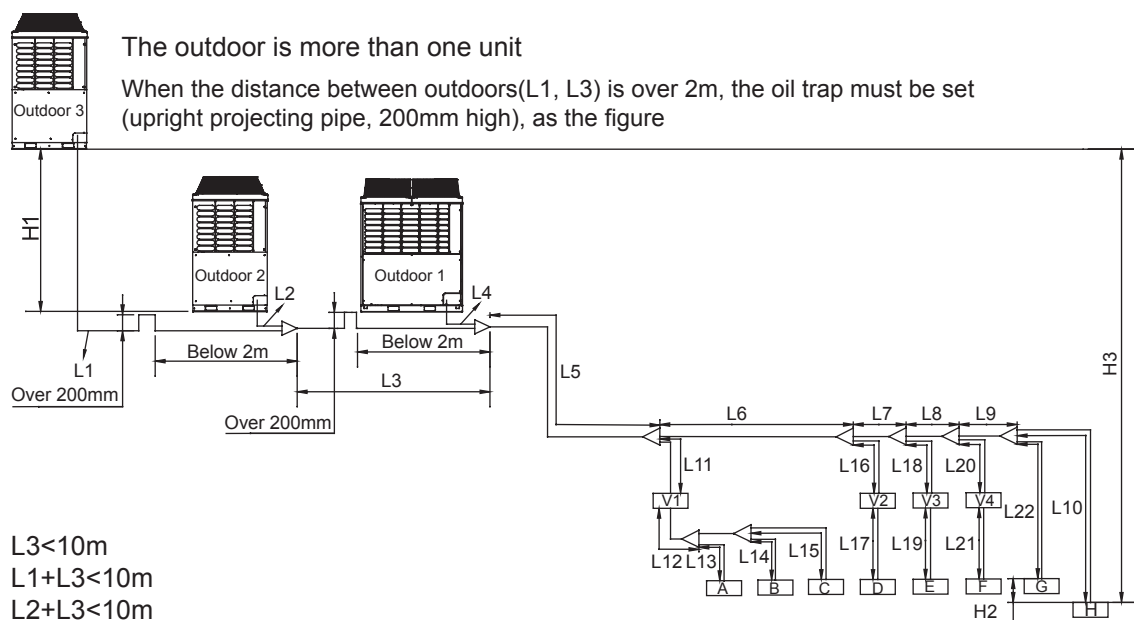
Installation below is not allowed



3. Allowable piping length and drop between indoor and outdoor



Installation procedure



Note:

V1---V4: VP unit

A---F: indoors (cool/heat selection possible)

G---H: indoors (cooling only)

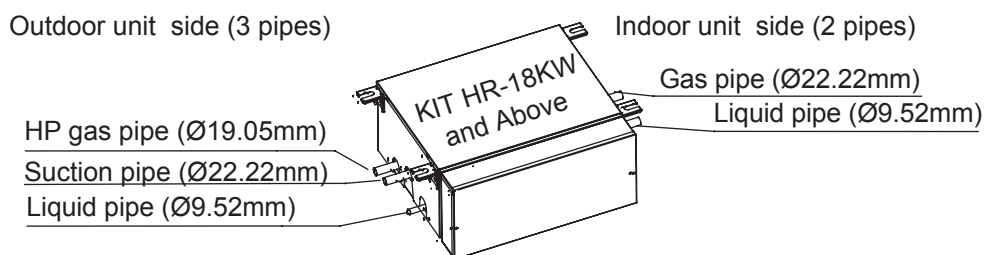
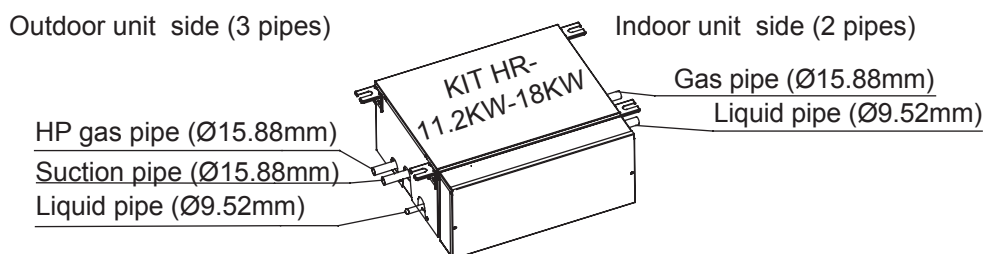
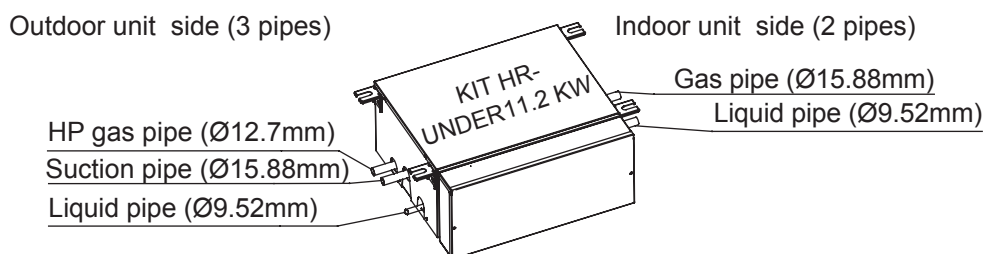
	Max.length	Pipe in above figur
Single way total pipe length	300 (correspond length)	$L1+L2+L3+.....+L22$
Single way max. pipe length	175 (correspond length)	$L1+L4+ L5+L6+L7+L8+L9+L10$
Max.pipe length after 1st branch pipe	40	$L6+L7+L8+L9+L10$
Main pipe actual length	135 (correspond length)	$L1+L3+L5$
Height difference between indoors	15	H2
Height difference between outdoors	5	H1
Height difference between outdoors and indoors	50 40	H3 when outdoor is upper H3 when outdoor is lower
Max.pipe length between indoors and the nearest branch pipe	30	---

When outdoor is only one, Single way max. pipe length = $L5+L6+L7+L8+L9+L10 \leq 175m$

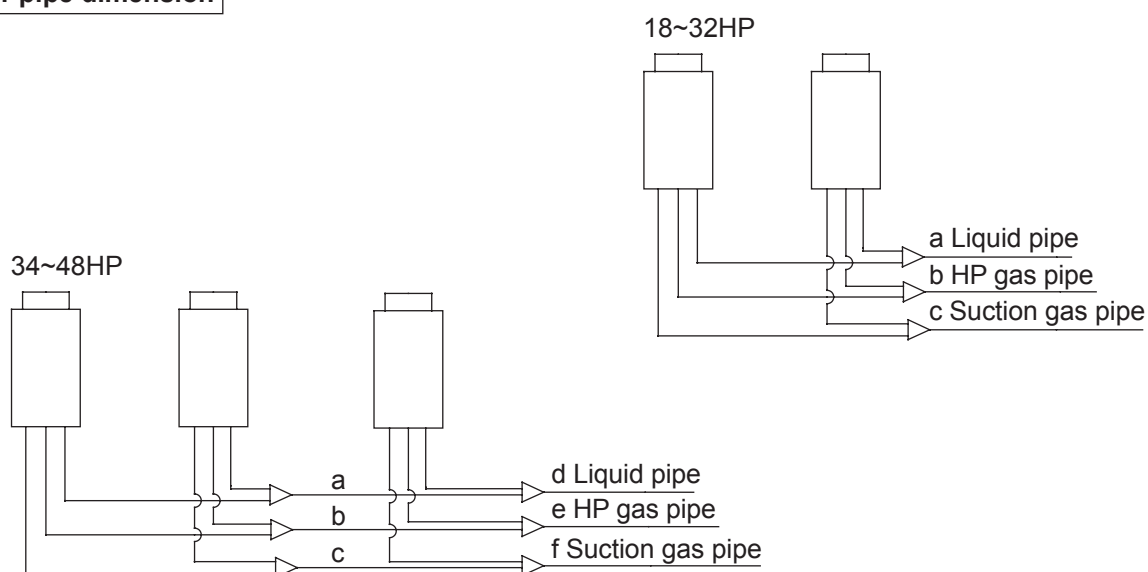
Single way total pipe length = $L5+L6+.....+L22$

Installation procedure

4. Example of connection



Outdoor pipe dimension



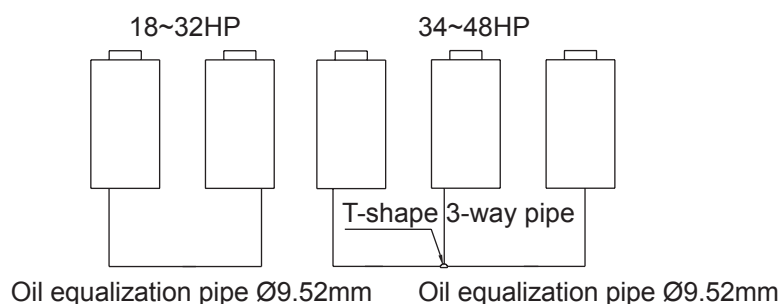
Installation procedure

The pipe "a, b, c, d" should be confirmed as to the below table

Total outdoor capacity before the gather pipe (kW)	Suction gas pipe (c,f) (mm)	Gas pipe (b,e) (mm)	Liquid pipe (a,d) (mm)
~62	Ø28.58	Ø25.4	Ø12.7
62~96	Ø31.8	Ø28.58	Ø15.88
96~101	Ø38.1	Ø34.9	Ø15.88
over 101	Ø38.1	Ø34.9	Ø19.05

Note: When the single pipe length is over 90m, the above pipe should be enlarged as the former information.

Oil equalization pipe connection



Unit pipe spec and connection method (unit: mm)

A. Outdoor unit

Model	Suction gas pipe side		Liquid pipe side	
	Diameter (mm)	Connecting method	Diameter (mm)	Connecting method
	Ø19.05	Flared	Ø9.52	Flared
YCV280HR	Ø22.22	Braze	Ø9.52	
YCV335HR	Ø25.4		Ø12.7	
YCV400HR	Ø25.4		Ø12.7	
YCV450HR	Ø28.58		Ø12.7	

Model	HP gas pipe side		Oil pipe side	
	Diameter (mm)	Connecting method	Diameter (mm)	Connecting method
	Ø19.05	Flared	Ø9.52	Flared
YCV280HR	Ø19.05		Ø9.52	
YCV335HR	Ø22.22	Braze	Ø9.52	
YCV400HR	Ø22.22		Ø9.52	
YCV450HR	Ø25.4		Ø9.52	

Installation procedure

B. Indoor unit

Model Capacity	Gas pipe side		Liquid pipe side	
	Diameter (mm)	Connecting method	Diameter (mm)	Connecting method
07	Ø9.52	Flared	Ø6.35	Flared
09	Ø9.52		Ø6.35	
12	Ø12.7		Ø6.35	
16	Ø12.7		Ø6.35	
18	Ø12.7		Ø6.35	
24	Ø15.88		Ø9.52	
28	Ø15.88		Ø9.52	
30	Ø15.88		Ø9.52	
38	Ø15.88		Ø9.52	
48	Ø15.88		Ø9.52	

AS072MGERA , AS092MGERA gas pipe: Ø12.7mm
 AS182MGERA gas pipe/ liquid pipe: Ø15.88mm/9.52mm

C. Pipe spec and the torque

Diameter (mm)	Torque(N·m)
Ø6.35	16~20
Ø9.52	40~50
Ø12.7	40~50
Ø15.88	90~120
Ø19.05	100~140
Not less than Ø22.22	No requirement, due to braze connector

Branch pipe

Branch pipe selection:

Total indoor capacity(100W)	Model(optional)
Less than 335	TAU335HR
More than 335, less than 506	TAU506HR
More than 506, less than 730	TAU730HR
More than 730	TAU1350HR

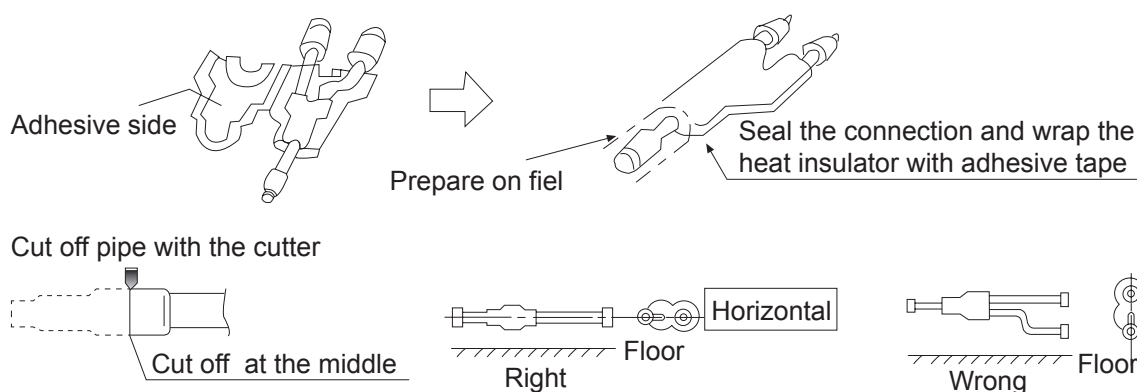
Outdoor unit type

The master unit will choose the closest one to the 1st branch pipe.

Installation procedure

Note:

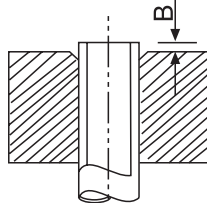
1. When connecting the outdoor branch pipe and the outdoor, please pay attention to the outdoor pipe dimension.
2. When adjusting the diameter among outdoor branch pipe and among the units, please do execute at the branch pipe side.
3. Please install the outdoor branch pipe (suction gas/HP gas/liquid side) in horizontal or vertical direction.
4. When welding with hard solder, please do blow nitrogen. If not, a number of oxides will be produced and cause heavy damage. Besides, prevent water and dust going into the pipe, please make the brim as outer roll.



Pipe installation

When doing the piping connection, please do the following:

- Please don't let the pipe and the parts in the unit collide each other.
- When connecting the pipes, close the valves fully.
- Protect the pipe end against water, impurities (welding after being flared, or being sealed with adhesive tape).
- Bend the pipe as large semi-diameter as possible (over 4 times of the pipe diameter).
- The connection between outdoor liquid pipe and the distributing pipe is flared type. Please expand the pipe with the special tool for R410A after installing the expanding nut. But if the projecting pipe length has been adjusted with the copper pipe gauge, you can use the original tool to expand the pipe.
- Since the unit is with R410A, the expanding oil is ester oil, not the mineral oil.
- When doing the flare connection, please do the following: When connecting the expanding pipe, fasten the pipe with double-spanner. The torque refers to the former info.

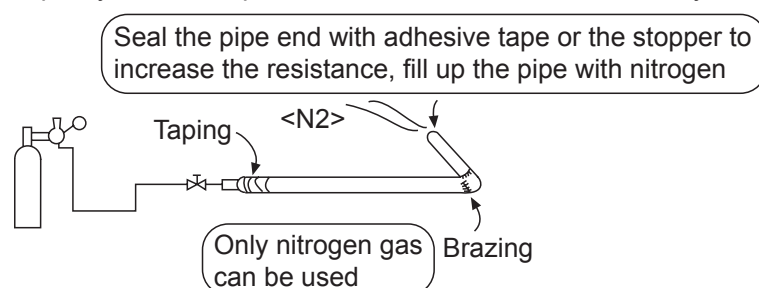
Expanding pipe:A(mm)		Projecting length of pipe to be expanded:B(mm)		
Pipe outer diameter (mm)	A		When it is hard pipe	
	0 -0.4		Special tool for R410A	The former tool
Ø6.35	9.1		0-0.5	1.0-1.5
Ø9.52	13.2			
Ø12.7	16.6			
Ø15.88	19.7			

Installation procedure

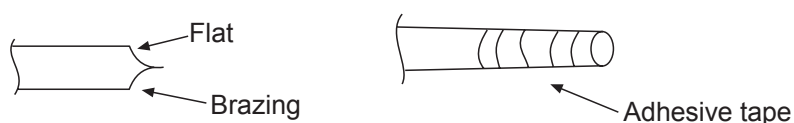
- The outdoor suction gas pipe /HP gas pipe and the refrigerant distributing pipe, as well as the refrigerant distributing pipe and the branch pipe should be welded with hard solder.
- When doing the braze connection, please do the following: Braze the pipe while charging the nitrogen. Or it will cause a number of impurities (a film of oxidation) to clog the capillary and the expansion valve, further cause the deadly failure.

Operation procedure

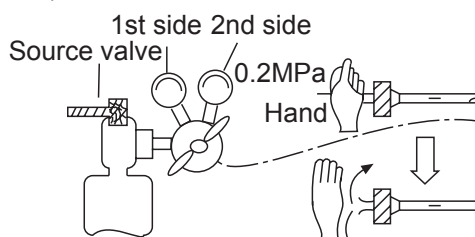
- Braze the pipe and charge the nitrogen at the same time. Or it will cause a number of impurities (a film of oxidation) to clog the capillary and the expansion valve, further cause the deadly failure.



- Protect the pipe end against water and impurities (welding after being flatted, or being sealed with adhesive tape)



- The refrigerant pipe should be clean. The nitrogen should flow under the pressure of about 0.5MPa and when charging the nitrogen, stop up the end of the pipe by hand to enhance the pressure in the pipe, then loose the hand (meanwhile stop up the other end).

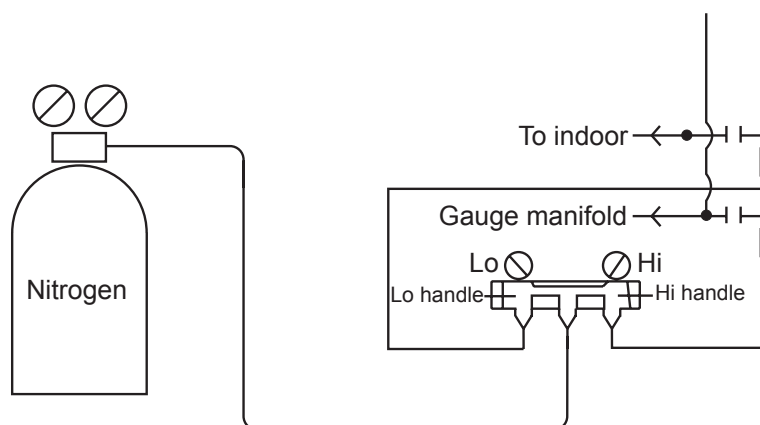


- When connecting the pipes, close the valves fully.
- When welding the valve and the pipes, use the wet cloth to cool down the valve and the pipes.

Installation procedure

B. Leakage test

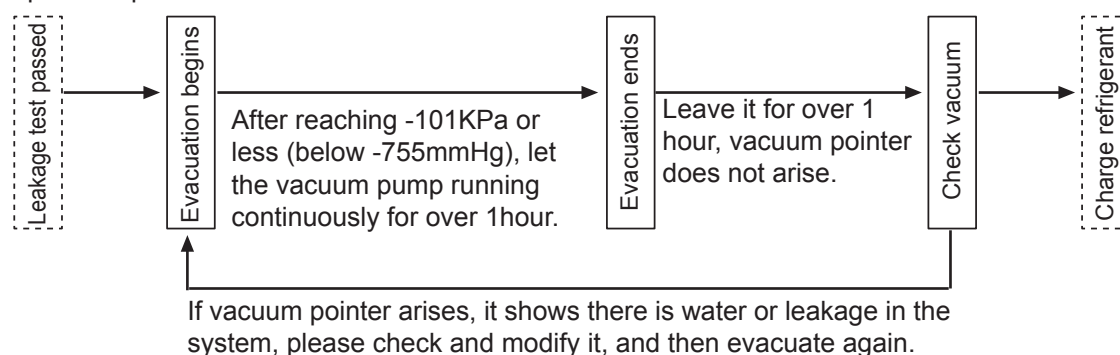
1. The outdoor unit has been executed the leakage test in the factory. The pipe should be executed leakage test individually and forbidden to test after connecting with stop valve.
2. Refer to the below figure to charge the nitrogen into the unit to take a test. Never use the chlorine, oxygen, flammable gas in the leakage test. Apply pressure both on the gas pipe and the liquid pipe.
3. Apply the pressure step by step to the target pressure.
 - a. Apply the pressure to 0.5MPa for more than 5 minutes, confirm if pressure goes down
 - b. Apply the pressure to 1.5MPa for more than 5 minutes, confirm if pressure goes down
 - c. Apply the pressure to the target pressure (4.15MPa), record the temp. and the pressure.
 - d. Leave it at 4.15MPa for over 1 day, if pressure does not go down, the test is passed. Meanwhile, when the temp. changes for 1degree, pressure will change 0.01MPa as well. Correct the pressure.
 - e. After confirmation of a~d, if pressure goes down, there is leakage. Check the brazing position, flared position by laying on the soap. Modify the leakage point and take another leakage test.
4. After leakage test, do execute the evacuation.



C. Evacuation

Evacuate at the check valve of liquid stop valve and both sides of the gas stop valve. The oil equalization pipe also must be vacuum (executed at the oil equalization pipe and check valve respectively).

Operation procedure:



Installation procedure

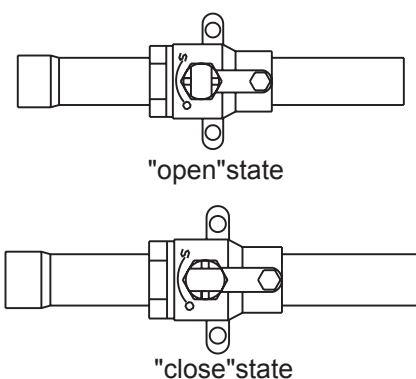
Because the unit is with refrigerant R410A, the below issues should be paid attention:

- To prevent the oil going into the pipe, please use the special tool for R410A, especially for gauge manifold and charging hose.
- To prevent the oil going into the refrigerant cycle, please use the anti-counter-flow adapte .
- When maintaining the outdoor, release refrigerant from check valve. When taking vacuum evacuation, set the relative dip switch. The details refer to Page 76.

D. Check valve operation

Open/ close method: (The suction gas pipe stop valve for YCV280HR YCV335HR YCV400HR YCV450HR)

- Take down the valve cap, suction gas pipe, HP gas pipe turns to "open"
- Turn the liquid pipe and the oil equalization pipe with hexangular spanner until it stops. If opening the valve strongly, the valve will be damaged.
- Tighten the valve cap.



Tighten torque as the table below:

Tighten torque N·m			
	Shaft (valve body)	Cap (cover)	T-shape nut (check joint)
For suction gas pipe and HP gas pipe	Less than 7	Less than 30	13
For liquid pipe	7.85 (MAX15.7)	29.4 (MAX39.2)	8.8 (MAX14.7)
For oil equalization pipe	4.9 (MAX11.8)	16.2 (MAX24.5)	8.8 (MAX14.7)

E. Additional refrigerant charging

Charge the additional refrigerant as liquid state with the gauge.

If the additional refrigerant can not be charged totally when the outdoor stops, charge it at the trial mode.

If the unit runs for a long period in the state of lack of refrigerant, compressor will occur failure.

(the charging must be finished within 30 minutes especially when the unit is running, meanwhile charging the refrigerant).

The unit is charged only part of the refrigerant at the factory, also need additional refrigerant at the installation site.

W1: Refrigerant charging volume to outdoor unit at factory.

W2: Refrigerant charging volume to outdoor unit on site.

W3: Refrigerant charging volume to liquid pipe base on different piping length calculation.

W3=actual length of liquid pipe×additional amount per meter liquid pipe=

$L1 \times 0.35 + L2 \times 0.25 + L3 \times 0.17 + L4 \times 0.11 + L5 \times 0.054 + L6 \times 0.022$

Installation procedure

L1: Total length of 22.22 liquid pipe;

L2: Total length of 19.05 liquid pipe;

L3: Total length of 15.88 liquid pipe;

L4: Total length of 12.7 liquid pipe;

L5: Total length of 9.52 liquid pipe;

L6: Total length of 6.35 liquid pipe;

Total refrigerant volume charging on site during installation=W2+W3

W: Total refrigerant volume charging on site for maintenance.

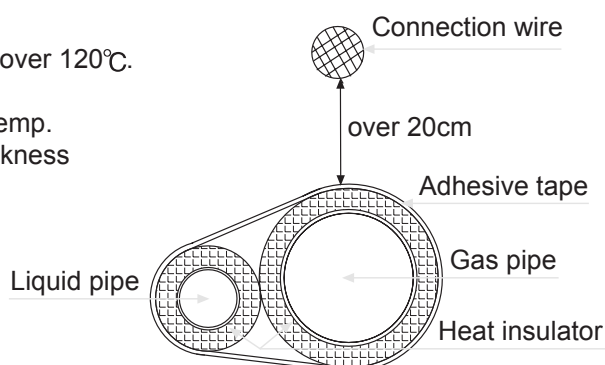
Refrigerant record form						
Model	W1: Refrigerant charging volume to outdoor unit at factory	W2: Refrigerant charging volume to outdoor unit on site	W3: Refrigerant charging volume to liquid pipe base on different piping length calculation		Total refrigerant volume charging on site during installation	W: Total refrigerant volume charging on site for maintenance
			Liquid pipe diameter (mm)	Additional refrigerant amount (kg)		
	10kg	1kg	Ø6.35	0.022kg/m×__m=__kg	W2+W3= __kg	W1+W2+ W3=__kg
YCV280HR	10kg	1kg	Ø9.52	0.054kg/m×__m=__kg		
YCV335HR	10kg	4.5kg	Ø12.7	0.11kg/m×__m=__kg		
YCV400HR	10kg	4.5kg	Ø15.88	0.17kg/m×__m=__kg		
YCV450HR	10kg	4.5kg	Ø19.05	0.25kg/m×__m=__kg		
			Ø22.22	0.35kg/m×__m=__kg		
			W3= kg			

Note:

- To prevent the oil going into the pipe, please use the special tool for R410A, especially for gauge manifold and charging hose.
- Mark the refrigerant type in different colour on the tank. R410A is pink.
- Must not use the charging cylinder, because the R410A will change when transferring to the cylinder.
- When charging refrigerant, the refrigerant should be taken out from the tank as liquid state.
- Mark the counted refrigerant volume due to the distributing pipe length on the label.

Heat insulation

- Gas pipe and liquid pipe should be heat insulated separately.
- The material for gas pipe should endure the high temperature over 120°C.
- That for liquid pipe should be over 70°C.
- The material thickness should be over 10mm, when ambient temp. is 30°C, and the relative humidity is over 80%, the material thickness should be over 20mm.
- The material should cling the pipe closely without gap, then be wrapped with adhesive tape. The connection wire can not be put together with the heat insulation material and should be far at least 20cm.

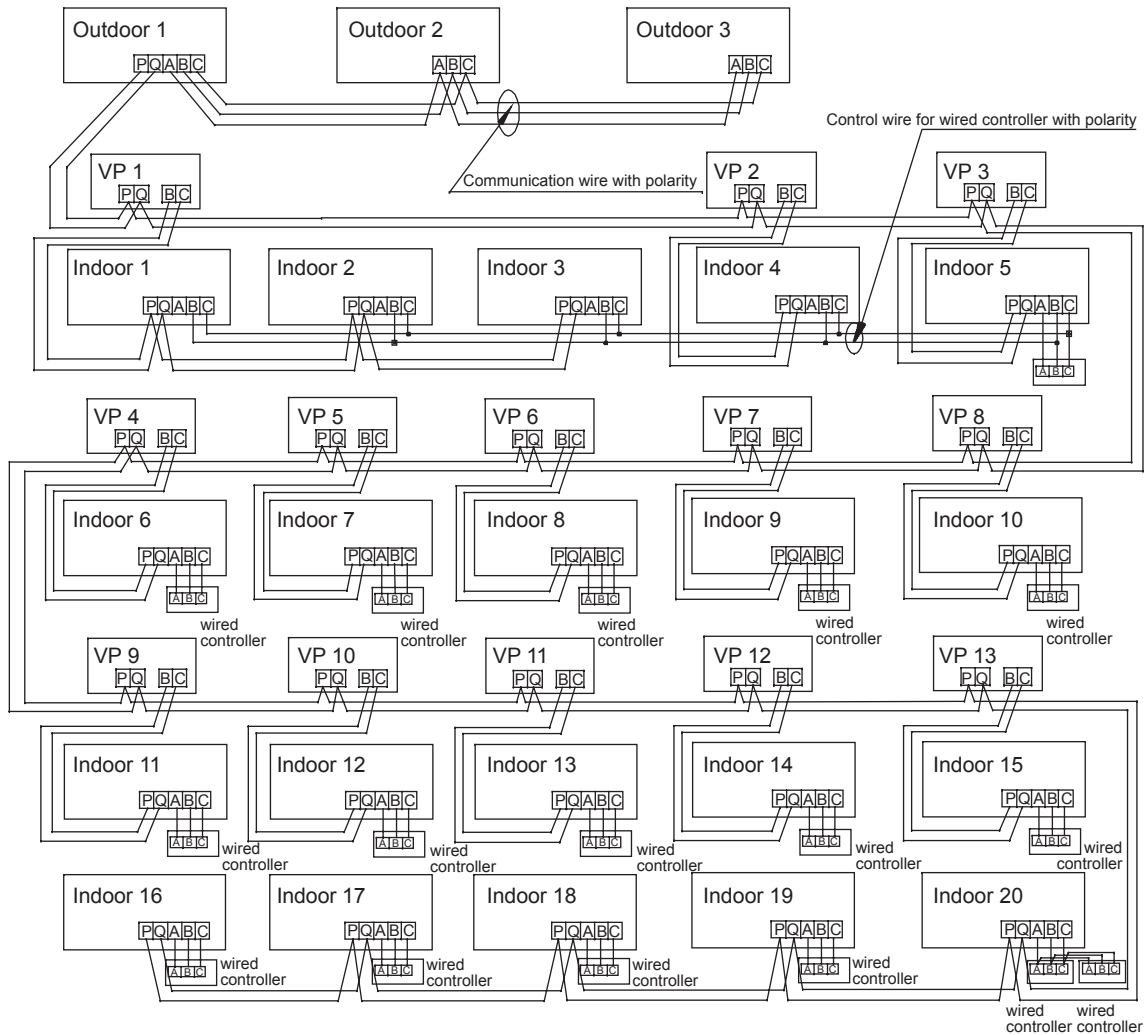


Fix the refrigerant pipe

- In operation, the pipe will vibrate and expand or shrink. If not being fixed, the refrigerant will focus on one part to cause the broken pipe
- To prevent the central stress, fix the pipe for every 2-3m

Electric wiring and the application

Communication wiring figure



Outdoor units are in parallel through 3 polar wires. The outdoor and all VP (cooling and heating switching device) and all indoor units are in parallel through 2 non-polar wires.

Each VP can be connected to 1~8 indoor units. For the wiring, please refer to the above picture: VP1 is connected to Indoor 1~3, and the capacity of all the indoor units can not be more than the VP's. Indoor units which are not connected to VP just have cooling operation, and the wiring can be referred to Indoor 16~20 on the above picture.

Three wiring methods between wired controller and indoor unit:

A. 1 to multi (group control): one wired controller controls 2~16 indoors, as shown in above figure, indoor 1~indoor 5 indoor 5 is wired control master unit, the others are wired control slave units. Wired controller and the master indoor (directly connected to wired controller) are connected by 3 polar wires; the other indoors and the master indoors are connected by 2 polar wires.

B. 1 to 1 (one wired controller controls one indoor): as shown in above figure, indoor 6~ indoor 19, indoor and wired controller are connected by 3 polar wires.

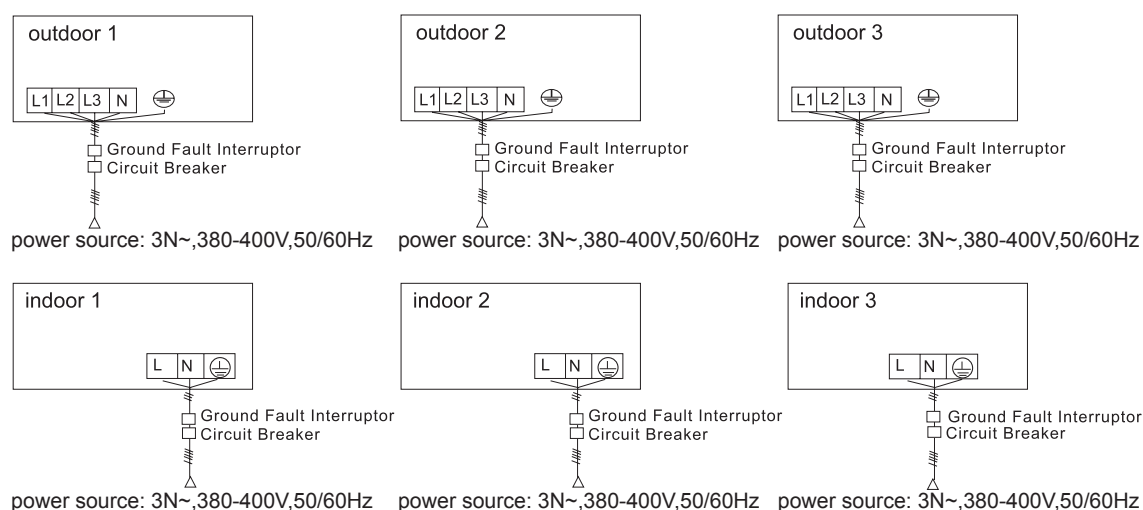
Electric wiring and the application

C. 2 to 1 (two wired controller controls one indoor): as shown in above figure, indoor 20. One of wired controller can be set as master wired controller, and the other is slave wired controller. Master/slave wired controller, and master/indoor are connected by 3 polar wires.

When indoor is controlled by remote controller, refer to the "wired control master unit/wired control slave unit/remote control unit table". A, B, C on signal terminal block don't need wires and connection with the wired controller.

Power wiring figure

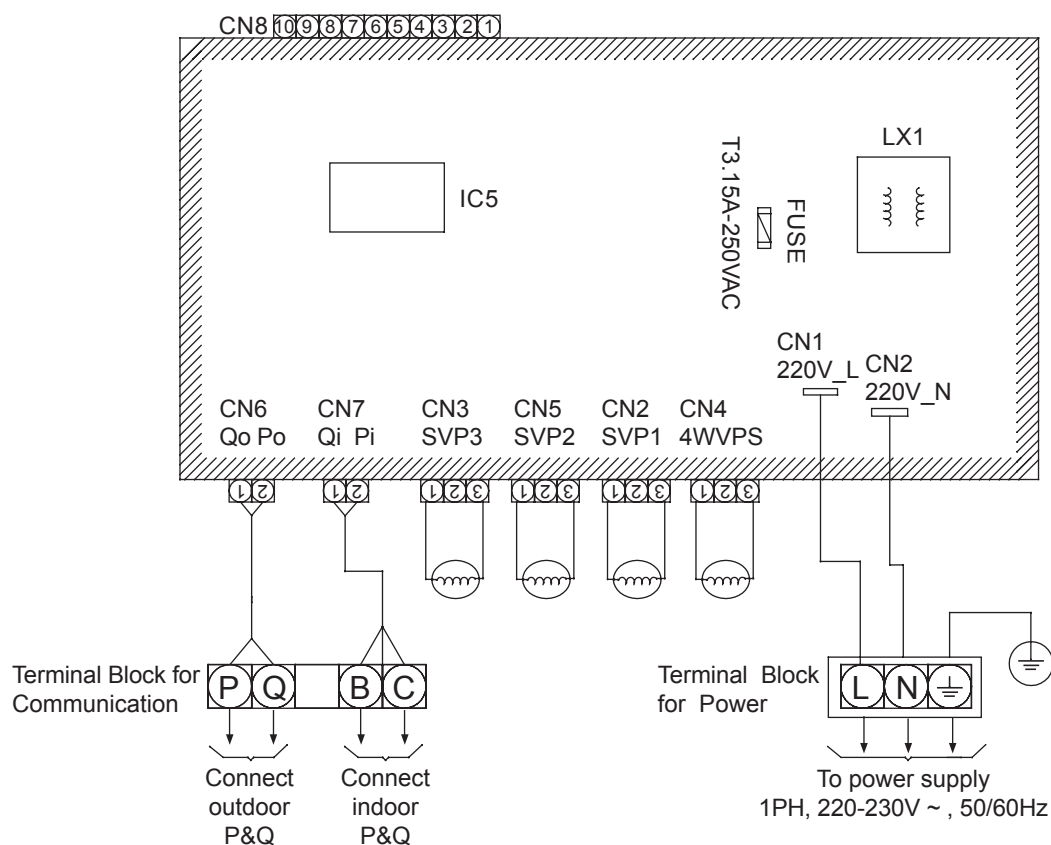
Please make sure that when the unit is running, the input voltage is no less than 380V; if it is lower than 380V, the unit may run abnormal.



- Indoor and outdoor use their individual power source.
- All indoors use one power source.
- The leakage breaker and the over current breaker must be installed, or electric shock will occur.

Electric wiring and the application

VP Wiring nameplate



Outdoor power source and power cable

Item Model		Power source	Power cable section (mm ²)	Wire length (m)	Circuit breaker (A)	Rated current of residual circuit breaker(A) Ground fault interrupter(mA) response time(S)	Ground wire	
							Section (mm ²)	Screw
Individual power		3N~, 380-400V, 50/60 Hz	10	60	38.6	40A 30mA below 0.1S	3.5	M5
	YCV280HR		16	60	44.7	50A 30mA below 0.1S	3.5	M5
	YCV335HR		16	60	50.9	60A 30mA below 0.1S	3.5	M5
	YCV400HR		16	60	57.1	60A 30mA below 0.1S	3.5	M5
	YCV450HR		25	60	61.7	70A 30mA below 0.1S	3.5	M5

- Power cable must be fixed firm .
- Each outdoor must be earthed well.
- When power cable exceeds the range, thicken it appropriately.

Electric wiring and the application

Indoor power source and communication wiring

Item Indoor total current (A)	Power cable section (mm ²)	Wire length (m)	Rated current of overcurrent breaker (A)	Rated current of residual circuit breaker(A) Ground fault interrupter(mA) response time(S)	Communication wire section	
					Outdoor/indoor (mm ²)	Indoor/indoor (mm ²)
<10	2	23	20	20A, 30mA, below 0.1s	2-core × (0.75-2.0mm ²) shielded wire	
≥10 and <15	3.5	24	30	30A, 30mA, below 0.1s		
≥15 and <22	5.5	27	40	40A, 30mA, below 0.1s		
≥22 and <27	10	42	50	50A, 30mA, below 0.1s		

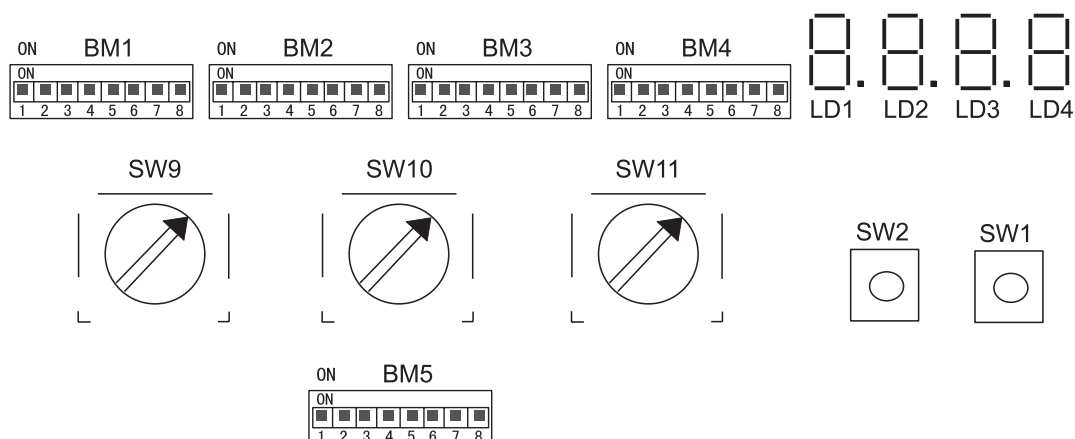
- Power cable and communication wire must be fixed firm .
- Each indoor must be grounded well.
- When power cable exceeds the range, increase the gauge appropriately.
- Shielded layer of communication wires must be connected together and be earthed at single point.
- The total length of communication wire cannot exceed 1000m.

Communication wire for wired controller

Wire length(m)	Wire spec	Wire length(m)	Wire spec
<100	0.3mm ² ×(3-core) shielded wire	≥300 and <400	1.25mm ² ×(3-core) shielded wire
≥100 and <200	0.5mm ² ×(3-core) shielded wire	≥400 and <600	2mm ² ×(3-core) shielded wire
≥200 and <300	0.75mm ² ×(3-core) shielded wire		

- Shielded layer of communication wire must be grounded at one end.
- The total length cannot exceed 600m.

Selection switch and the display



Introduction of dip switch on outdoor connecting board:
BM1,BM2,BM3,BM4,BM5: 8-bit dip switch

Electric wiring and the application

Identification

- Master unit: by setting dip switch, the unit number is 0. It is used to communicate with indoor unit, also it is the organizer of outdoor communications as communication master unit.
- Slave unit: by setting dip switch, the unit number is not 0.
- Dip switch definition

BM1 is usually set by the personnel on site; BM2, BM3, BM4 are pre-set in the factory.

BM1_1: Master outdoor unit searches the total outdoor units after power ON at first time. The quantity of total outdoor units is floating from right to left on LED. "1=0" is one outdoor unit, "2=01" is two outdoor units, "3=012" is three outdoor units.

BM1_2: Master outdoor unit searches the total indoor units after power ON at first time. The quantity of total indoor units is floating from right to left on LED. "-04-" is 4 indoor units, "-06-" is 6 indoor units, "-15-" is 15 indoor units.

BM1_3: The setting is 0 or 1. Default is 0. Once power off, unit software shall reset to "OFF" automatically ignoring BM1_3 setting.

① BM1 introduction

BM1_1	Outdoor searching After startup	0	Begin to search outdoor	
		1	Stop searching outdoor and lock the quantity	
BM1_2	Indoor searching After startup	0	Begin to search indoor and VP device	
		1	Stop searching indoor and VP device and lock the quantity	
BM1_3	Start up after preheating for 6 hours	0	Allow(must be electrified for 6 hours or oil temperature should reach the standard starting value)	Group class (physical master unit is valid)
		1	Forbidden(it can start up when the oil temperature reaches the reduced allowable starting valve)	
BM1_4	Heating when outdoor temperature over 25degree	0	Allow	Group class (physical master unit is valid)
		1	Forbidden	
BM1_5	Over match setting	0	Allow	Group class (physical master unit is valid)
		1	Forbidden	
BM1-6	Pre-set	0	Pre-set (default)	Group class (physical master unit is valid)
		1	Pre-set	
BM1_7 BM1_8	Address setting	BM1_7	BM1_8	Unit number
		0	0	0# (physical master unit)
		0	1	1#
		1	0	2#
		1	1	3#

Electric wiring and the application

② BM2 introduction

BM2_1	Silent operation setting	0	Without silent operation			Group class (physical master unit is valid)
		1	With silent operation			
BM2_2	Snow-proof operation setting	0	Without snow-proof			Group class (physical master unit is valid)
		1	With snow-proof			
BM2_3 BM2_4	Pre-set	No definitio				
BM2_5 BM2_6	Defrosting condition “α” Selection	BM2_5	BM2_6	Selection item		Group class (physical master unit is valid)
		0	0	8 (E)		
		0	1	10 (E)		
		1	0	6 (E)		
		1	1	8 (E)		
BM2_7 BM2_8	Piping length selection (Generally, the target valve is revised with the ambient temperature)	BM2_7	BM2_8	Selection item		Group class (physical master unit is valid)
		0	0	Medium piping length: cooling 7.5kg, heating 28.0kg		
		0	1	Long piping length: cooling 7.0kg, heating 30.0kg		
		1	0	Short piping length: cooling 8.3kg, heating 26.0kg		
		1	1	Medium piping length		

③ BM3 introduction

BM3_1 BM3_2 BM3-3	No definitio	Default is 0; 1 is forbidden.				Local class
		Default is 0; 1 is forbidden.				
		Default is 0; 1 is forbidden.				
BM3-4	3 phase-50/60Hz selection	0	For counties use power 50 Hz			Local class
		1	For counties use power 60 Hz			
BM3_5 BM3_6 BM3_7 BM3_8	HP setting of outdoor units	BM3_5	BM3_6	BM3_7	BM3_8	HP of outdoor units
		0	0	0	0	6HP
		0	0	0	1	8HP
		0	0	1	0	10HP
		0	0	1	1	12HP
		0	1	0	0	14HP
		0	1	0	1	16HP

Electric wiring and the application

④ BM4 introduction

BM4_1	Drop selection of indoor units	Default is 0; 1 is forbidden.		
BM4-2	Stopped fan operation setting when heating host is running	Default is 0; 1 is forbidden.		
BM4_3	Static pressure setting of outdoor unit	0	Highest speed is 14 for outdoor unit fan. (default)	Local class
		1	Highest speed is 14 for outdoor unit fan. (static pressure: 82Pa)	
BM4_4 BM4_5 BM4_6 BM4_7 BM4_8	Pre-set	No definitio		

⑤ BM5 introduction

BM5_1 ~ BM5_4	Outdoor motor selection	BM5_1	BM5_2	BM5_3	BM5_4	Selection item
		1	1	0	0	Dual fan motor(375W)
BM5_5 ~ BM5_8	Inverter board selection	0	0	1	1	Single fan motor(750W)
		BM5_5	BM5_6	BM5_7	BM5_8	Selection item
		0	0	1	1	180° inverter board

⑥ VP Address Setting

SW03 is used for VP address setting, 1 is ON, 0 is OFF.

SW03_1	Manner of set address	0	Set the address automatically (default)
		1	Set the address with dip switch
SW03_2	Pre-set	0	Pre-set (default)
		1	Pre-set

		[3]	[4]	[5]	[6]	[7]	[8]	Communication address
		0	0	0	0	0	0	0# (default)
SW03_3 ~ SW03_8	Set the Communication address with dip switch	0	0	0	0	0	1	1#
		0	0	0	0	1	0	2#
		0	0	0	0	1	1	3#
		0	0	0	1	0	0	4#
		0	0	0	1	0	1	5#
		0	0	0	1	1	0	6#
		0	0	0	1	1	1	7#
		0	0	1	0	0	0	8#
		0	0	1	0	0	1	9#
		0	0	1	0	1	0	10#
		0	0	1	0	1	1	11#
		0	0	1	1	0	0	12#
		0	0	1	1	0	1	13#
		0	0	1	1	1	0	14#
		0	0	1	1	1	1	15#
		0	1	0	0	0	0	16#
		0	1	0	0	0	1	17#
		0	1	0	0	1	0	18#
		0	1	0	0	1	1	19#
		0	1	0	1	0	0	20#
		0	1	0	1	0	1	21#
		0	1	0	1	1	0	22#
		0	1	0	1	1	1	23#
		0	1	1	0	0	0	24#
		0	1	1	0	0	1	25#
		0	1	1	0	1	0	26#
		0	1	1	0	1	1	27#
		0	1	1	1	0	0	28#
		0	1	1	1	0	1	29#
		0	1	1	1	1	0	30#
		...	...	...	...	...	...	...
		1	1	1	1	1	1	63#

Monitor tools

Monitor code is as following:

Press button: SW2(UP), SW1(DOWN) are the button switches

Rotary switch: SW9, SW10, SW11 are settable from 0 to 15.

(Note: on code wheel with letters, A for 10, B for 11, C for 12, D for 13, E for 14, F for 15)

Display part: LED1, LED2, LED3, LED4, 4 digital tubes are ranked from left to right.

Display contents are as follow:

1. Indoor unit parameters observation

The parameters of indoor unit address 1-64 can be observed: SW9 and SW10 are indoor unit numbers; the range of SW11 is 3-14, regarding indoor unit parameters.

Electric wiring and the application

SW9	SW10	System address
0	0-15	Unit 1-16 (indoor unit PCB address dial-up 0#-15#)
1		Unit 17-32 (indoor unit PCB address dial-up 16#-31#)
2		Unit 33-48 (indoor unit PCB address dial-up 32#-47#)
3		Unit 49-64 (indoor unit PCB address dial-up 48#-63#)

SW11	Function	Display with digital tube LED1 ~ 4
3	Indoor unit communication checking and program version	If communication is normal, show the indoor unit program version (one decimal). If communication stops, normally show "0000" (failing communication for 5 consecutive rounds). If communication has been abnormal, show "----". For example, "U4.2" means indoor unit version is V4.2.
4	Indoor unit fault	Show indoor unit fault code. If no fault, show 0.
5	Indoor unit capacity	Indoor unit capacity (Unit: HP, one decimal), 1.5 HP show 1.5
6	Indoor unit expansion valve open angle	Expansion open angle (Unit: pls)
7	Indoor unit environment temp. Tai	Ambient temperature (Unit: °C)
8	Indoor unit gas pipe temp. Tc1	Gas pipe temperature (Unit: °C)
9	Indoor unit liquid temp. Tc2	Liquid pipe temperature (Unit: °C)
10	Indoor unit startup mode, actual running speed and SCODE code	LED1 means startup mode, O: stop/ C: cooling/ H: heating LED2 means indoor units actual running speed (0-stop, 1-low speed, 2-medium speed, 3-high speed), LED3 and LED4 means SCODE code (0 ~ 15). For example, C311 mean high cooling speed, SCODE is 11.
11	Indoor Unit temp. setting Tset	Temperature setting (Unit: °C)
12	Wrong wiring inspection	0 means no failure, 79 means wiring connection failure (indoor no display)
13	Connected valve box number	"----" means connecting to the valve box failed. Press SW2(UP) for 2 seconds, show "CCCC", forcible indoor cooling start up Press SW1(DOWN) for 2 seconds, show "OFF", forcible indoor shutdown
14	Solenoid valve status of connected valve box	LED1: BS4WV : 1 ON 0 OFF——Far left LED2: BSSV1 : 1 ON 0 OFF LED3: BSSV2 : 1 ON 0 OFF LED4: BSSV3 : 1 ON 0 OFF Showing "----" means not connected to the valve box; Showing "E-" + failure code means there is failure. Press SW2(UP) for 2 seconds, show "HHHH", forcible indoor heating start up; Press SW1(DOWN) for 2 seconds, show "OFF", forcible indoor shutdown

Electric wiring and the application

2. Valve box parameters observation

The parameters of indoor unit address 1-64 can be observed: SW9 and SW10 are valve box numbers; the range of SW11 is 3-14, regarding observed valve box parameters.

SW9	SW10	System address
7	0-15	Unit 1-16 (valve box PCB address dial-up 0#-15#)
8		Unit 17-32 (valve box PCB address dial-up 16#-31#)
9		Unit 33-48 (valve box PCB address dial-up 32#-47#)
10		Unit 49-64 (valve box PCB address dial-up 48#-63#)

SW11	Function	Display with digital tube LED1 ~ 4
3	Valve box program version	If communication is normal, show the indoor unit program version (one decimal). If communication stops, normally show "0000" (failing communication for 5 consecutive rounds). If communication has been abnormal, show "----". For example, "F0.1" means valve box version is V0.1
4	Valve box mode and failure	LED1: show valve box mode O: Stop C: Cooling H: Heating LED2: show "-" LED3-4: show valve box failure code, if there is no fault, show 0. For example, "H-01", means the valve box current mode is heating; if there is failure, show code "01".
5	Solenoid valve status of valve box	LED1: BS4WV : 1 ON 0 OFF——Far left LED2: BSSV1 : 1 ON 0 OFF LED3: BSSV2 : 1 ON 0 OFF LED4: BSSV3 : 1 ON 0 OFF
6	Total indoor units connected to the valve box	Note: 8 units as maximum
7	Address of 1st indoor unit connected to valve box	"----" means be connected failed.
8	Address of 2nd indoor unit connected to valve box	"----" means be connected failed.
9	Address of 3rd indoor unit connected to valve box	"----" means be connected failed.
10	Address of 4th indoor unit connected to valve box	"----" means be connected failed.
11	Address of 5th indoor unit connected to valve box	"----" means be connected failed.
12	Address of 6th indoor unit connected to valve box	"----" means be connected failed.
13	Address of 7th indoor unit connected to valve box	"----" means be connected failed.
14	Address of 8th indoor unit connected to valve box	"----" means be connected failed.

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3. Outdoor unit parameters observation

0~3 of SW9 is used to select outdoor unit number, selecting the numbers of different outdoor units. The range of SW11 is 0, 1, 15, meaning observed outdoor units parameters.

(The host can show the parameters of other outdoor units and indoor units. Submachine can only show its own parameters, 0 for SW9.)

Note: When the host SW9/SW10/SW11 are 0/0/0,

- (1) Starting up for the first time, search the submachine first, showing 1:0 circularly from left to right. If one submachine is searched, show 2:01. If two sub-machines are searched, show 3:012. "3:012" means there are 3 outdoor units in the system, and 012 means the addresses for each outdoor unit. (actually, ":" show "=")
- (2) When the numbers of outdoor units is locked, searching the numbers of indoor unit and valve box, showing "-number of valve box-number of indoor unit" circularly from left to right. For example, "-2-6-" means there are two valve boxes and six indoor units connected to the system.
- (3) When the numbers of indoor unit and valve box are locked, showing "-number of valve box-number of indoor unit" sparkingly, which means each valve box is confirming which indoor units it is connected and then send this message to the outdoor unit.
- (4) After finishing confirming connecting information, enter the normal display.
- (5) If there is failure during searching, show the outdoor unit failure code as the priority. If there is failure in outdoor unit after searching, show the outdoor unit failure code, and 0 for no failure.

SW9	SW10	SW11	Function	Display with digital tube LED1~4
Unit No. 0-3	0	0	Show the outdoor unit failure code	Failure code is transmitted by outdoor bus data. If no failure, displaying electric heating 6 hours countdown time as second. Press SW2(UP) for 2 seconds, showing 1111, then enter the historical failure inquiry condition and the latest 10 failures can be inquired. Sparkingly showing failure serial number and failure code. The serial number will add 1 each time pressing the SW2(UP). The serial number will plus 1 each time pressing the SW1(DOWN). The setting condition will quit automatically after 2 minutes. Press SW1(DOWN) for 2 seconds, showing 0000, then quit the inquiry condition and stop sparkingly display. When dial-up wheel on 13,0,0, press SW2(UP) for 2 seconds, showing 1111, then all the failure record will be deleted.
	1	0	Show the outdoor unit priority and capacity	LED1 shows the outdoor priority level; LED2 shows "-", LED3-4 show the outdoor capacity (Unit: HP)
	2	0	Show the running mode and outdoor capacity output ratio	LED1 shows O: Stop C: Cooling H: Heating LED2-LD4 60 show 60% of capacity output

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SW9	SW10	SW11	Function	Display with digital tube LED1~4
	3	0	Speed of outdoor fan motor 1	345 means 345rpm. Press SW2(UP) for 2 seconds, showing 1111, then enter the settable condition. Sparklingly display: Speed grade will go up a level each time pressing SW2(UP); speed grade will go down a level each time pressing SW1(DOWN). The setting condition will quit automatically after 5 minutes. Press SW1(DOWN) for 2 seconds, showing 0000, then quit the inquiry condition and stop sparklingly display.
	4	0	Speed of outdoor fan motor 2	
	5	0	Current frequency of inverter compressor INV	110.0 means 110.0Hz Press SW2(UP) for 2 seconds, showing 1111, then enter the settable condition. Sparklingly display: The frequency will go up 1 Hz each time pressing SW2(UP); frequency will decrease 1 Hz each time pressing SW1(DOWN). The setting condition will quit automatically after 5 minutes. Press SW1(DOWN) for 2 seconds, showing 0000, then quit the inquiry condition and stop sparklingly display. (when system failures, compressor is forbidden to start up.)
	6	0	Fixed frequency compressor status	00—Fixed frequency compressor 1# OFF, Fixed frequency compressor 2# OFF 01—Fixed frequency compressor 1# ON, Fixed frequency compressor 2# OFF 10—Fixed frequency compressor 1# OFF, Fixed frequency compressor 2# ON 11—Fixed frequency compressor 1# ON, Fixed frequency compressor 2# ON
	7	0	Outdoor unit LEVa1 valve open angle	0---470 step Press SW2(UP) for 2 seconds, showing 1111, then enter the settable condition. Sparklingly display: Press SW2(UP), the valve open entirely. Press SW1(DOWN), the valve close entirely. The setting condition will quit automatically after 2 minutes. Press SW1(DOWN) for 2 seconds, showing 0000, then quit the inquiry condition and stop sparklingly display.
	8	0	Outdoor unit LEVa2 valve open angle	
	9	0	Outdoor unit LEVP valve open angle	
	10	0	Outdoor unit LEVc valve open angle	
	11	0	Outdoor unit solenoid valve output indication	LED1: 4WV : 1 ON 0 OFF——Far left LED2: SV1: 1 ON 0 OFF LED3: SV3i : 1 ON 0 OFF LED4: SV31 : 1 ON 0 OFF

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SW9	SW10	SW11	Function	Display with digital tube LED1~4
	12	0	Outdoor unit solenoid valve output indication	LED1: SV6: 1 ON 0 OFF——Far left LED2: SV9: 1 ON 0 OFF LED3: SV10: 1 ON 0 OFF LED4: SV11: 1 ON 0 OFF
	13	0	Outdoor unit solenoid valve output indication	LED1: SV18i: 1 ON 0 OFF——Far left LED2: SV181: 1 ON 0 OFF LED3: SV21: 1 ON 0 OFF LED4: WV42: 1 ON 0 OFF
	14	0	Heater output	LED1: CHi: 1 ON 0 OFF——Far left LED2: CH1: 1 ON 0 OFF LED3: CH2: 1 ON 0 OFF LED4: Cha: 1 ON 0 OFF
	15	0	Program version	1.0 means Ver1.0
	12	0	Outdoor unit solenoid valve output indication	LED1: SV6: 1 ON 0 OFF——Far left LED2: SV9: 1 ON 0 OFF LED3: SV10: 1 ON 0 OFF LED4: SV11: 1 ON 0 OFF
	13	0	Outdoor unit solenoid valve output indication	LED1: SV18i: 1 ON 0 OFF——Far left LED2: SV181: 1 ON 0 OFF LED3: SV21: 1 ON 0 OFF LED4: WV42: 1 ON 0 OFF
	14	0	Heater output	LED1: CHi: 1 ON 0 OFF——Far left LED2: CH1: 1 ON 0 OFF LED3: CH2: 1 ON 0 OFF LED4: Cha: 1 ON 0 OFF
	15	0	Program version	1.0 means Ver1.0

SW9	SW10	SW11	Function	Display with digital tube LED1 ~ 4
Unit No. 0-3	0	1	Pd pressure	Unit: kg, 2 decimal
	1	1	Ps pressure	
	2	1	Tdi discharging temp.	Unit: °C
	3	1	Td1 discharging temp.	
	4	1	Td2 discharging temp.	
	5	1	Tdef1 defrosting temp.	
	6	1	Tdef2 defrosting temp.	
	7	1	Toil temp.	
	8	1	Tao ambient temp.	
	9	1	Toci1 temp.	
	10	1	Toci2 temp.	
	11	1	Tsi temp.	
	12	1	Reservation	
	13	1	Tdp temp.	
	14	1	Tsacc temp.	
	15	1	Toilp temp.	

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SW9	SW10	SW11	Function	Display with digital tube LED1~4
Unit No. 0-3	0	15	PI pressure	Unit: kg, 2 decimal
	1	15	Pi_temp pressure temp.	25 Unit: °C
	2	15	Pd_temp pressure temp.	
	3	15	Ps_temp pressure temp.	
	4	15	Tliqsc temp.	
	5	15	Tsco temp.	
	6	15	Inverter compressor INV ON/OFF time	Unit: minute
	7	15	Inverter power current	Unit: A, 1 decimal
	8	15	Inverter compressor current	
	9	15	Fixed frequency compressor 1# current	
	10	15	Fixed frequency compressor 2# current	
	11	15	Inverter compressor DC voltage	Unit: V
	12	15	Inverter compressor module temp.	Unit: °C
	13	15	Inverter compressor running condition and stop reason	LED1/ LED2: Inverter compressor running condition (hex) LED3/ LED4: Inverter compressor stop reason (hex)
	14	15	Fixed frequency compressor 1 ON/OFF time	Unit: minute
	15	15	Fixed frequency compressor 2 ON/OFF time	Unit: minute

4. Host information center: showing data and control of the whole system

SW9	SW10	SW11	Function	Operational approach
0	0	2	Refrigerant type	410A means 410A refrigerant
0	1	2	Total quantity and capacity for the same system	LED1: Outdoor unit quantity LED2: Show“-” LED3/ LED4: Outdoor total capacity (Unit: HP) For example, 3-48 means capacity of 3 outdoor units is 48HP
0	2	2	Indoor unit capacity	50.0 means 50 HP
0	3	2	Quantity of valve box and indoor unit in the same system	LED1/ LED2: Valve box quantity LED3/ LED4: Indoor unit quantity For example, 0206 means 2 valve boxes and 6 indoor units

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SW9	SW10	SW11	Function	Operational approach
0	4	2	Quantity and capacity of cooling indoor unit temp. sensor ON	LED1/ LED2: Quantity of cooling indoor unit temp. sensor ON LED3/ LED4: Capacity of cooling indoor unit temp. sensor ON (Unit: HP) For example, 0312 means there are 3 cooling indoor units temp. sensor ON with capacity of 12 HP.
0	5	2	Quantity and capacity of heating indoor unit temp. sensor ON	LED1/ LED2: Quantity of heating indoor unit temp. sensor ON LED3/ LED4: Capacity of heating indoor unit temp. sensor ON (exclude the capacity revise of temp. sensor OFF, unit: HP) For example, 0624 means there are 6 heating indoor units temp. sensor ON with capacity of 24 HP.(exclude the capacity revise of temp. sensor OFF)
0	6	2	Cooling target temp.	Unit: °C
0	7	2	Heating target temp.	
0	8	2	Refrigerant evacuating setting *Only for evacuated outdoor units. If only indoor unit is evacuated, no need to set up. When it finished cancel the setting or re-electricity.	Press SW2(UP) for 2 seconds, showing 1111, start up and the digital tube show "YES". Detailed response: SV9, SV10, SV11 open; LEVa1, 2, LEVP open for 100pls; The other valves close compulsorily. SV21 open and LEVc open for 470. Press SW1(DOWN)for 2 seconds, showing 0000, stop. (setting is invalid when unit is running.)
0	9	2	Refrigerant charging setting * Only for gas charged outdoor units. If only indoor unit is charged, no need to set up. When it finished cancel the setting or re-electricity.	Press SW2(UP) for 2 seconds, showing 1111, start up and the digital tube show "YES". Detailed response: LEVa1,2 open for 470pls; The other valves close compulsorily. SV21open and LEVc open for 470. Press SW1(DOWN)for 2 seconds, showing 0000, stop. (setting is invalid when unit is running.)

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SW9	SW10	SW11	Function	Operational approach
0	10	2	Wrong wiring inspection in cooling	Press SW2(UP) for 2 seconds, showing 1111, then start up and digital tube displays the judging time by counting down. "00.00" means the result is in conformity with the actual connection;
0	11	2	Wrong wiring inspection in heating	"01.05" means one outdoor unit and 5 indoor units are abnormal, to check the abnormal units by digital tube (indoor:X_X_12, outdoor:X_0_0). Press SW1(DOWN) for 2 seconds, showing 0000, stop.
0	12	2	Indoor expansion valve open fully	Press SW2(UP) for 2 seconds, showing 1111, and indoor valves open fully for 2 minutes, then indoor valves close automatically.
0	13	2	All indoor units running in cooling	Press SW2(UP) for 2 seconds, showing 1111, open fully; Press SW1(DOWN)for 2 seconds, showing 0000, close fully.
0	14	2	All indoor units running in heating	
0	15	2	Cancel all manual controls (running type)	Press SW2(UP) for 2 seconds, showing 1111, cancel; or press SW1(DOWN)for 2 seconds, showing 0000, cancel. Cancel content: Wrong wiring inspection in cooling and heating, indoor units open/close fully, operate compulsively and rated operating, etc.

SW9	SW10	SW11	Function	Operational approach
15	0	2	BM1and BM2 setting condition	Hex display. BM1: Use LED1and LED2to display, BM2: Use LED3and LED4 to display
15	1	2	BM3and BM4 setting condition	Hex display. BM3: Use LED1and LED2to display, BM4: Use LED3and LED4 to display
15	2	2	Capacity correction class	0 means short piping length; 1 means medium piping length, 2 means long piping length.
15	3	2	Defrosting compensation	10、8、6
15	4	2	BM5 setting condition	Hex display. Use LED3 and LED4 to display.
15	5	2	Over match inspection	135 stands for limitation;0: without limitation.
15	6	2	Heating limit when outdoor temp. over 25℃	25 stands for limitation; 0: without limitation.
15	7	2	Silent operation setting	0:without silent operation; 1: with silent operation

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SW9	SW10	SW11	Function	Operational approach
15	8	2	Snow-proof operation setting	0: without snow-proof operation; 1: with snow-proof operation
15	9	2	The FAN speed setting of Thermo Off Submachine when heating host running	0: not running; 1: running
15	10	2	Drop selection between indoor units	0—No drop between indoor units; 1—There is drop between indoor units.
15	11	2	Reservation	
15	12	2	Power supply setting of 50/60Hz	50 means 50Hz, 60 means 60Hz
15	13	2	Inverter board selection	0 means self-regulating inverter board; 1 means APY inverter board.
15	14	2	Outdoor type setting	0-3 pipe type
15	15	2	Reservation	

SW9	SW10	SW11	Function	Operational approach
1	0	2	Communication baud rate of indoor and outdoor units	9600bps
1	1	2	Number of cyclical valve boxes connected to indoor unit accurately for 1 round	LED1/ LED2: Number of valve boxes LED3/ LED4: Number of indoor units For example, 0206 means 2 valve boxes and 6 indoor units
1	2	2	Top 2 number: the percentage of inconformity for indoor units and the number of E2 Low 2 number: real-time indoor unit number	For example, 0522 means currently there are 22 indoor units, and the percentage of inconformity for indoor units and the number of E2 is 5%.
1	3	2	Number of valve boxes which can communicate with indoor units (exclude indoor units failing communicating for continuous 5 times.)	LED1/ LED2: Number of valve boxes LED3/ LED4: Number of indoor units For example, 0206 means 2 valve boxes and 6 indoor units
1	4-15	2	Reservation	

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5. Control of valve component of outdoor unit (Local)

SW9	SW10	SW11	Function	Operational approach
6	0	2	Manual control 4WV ON/OFF	Show the component current condition: 1 means ON, 0 means OFF. Press SW2(UP) for 2 seconds, showing 1111, then enter the settable condition. Sparklingly display: press SW2(UP) to start and press SW1(DOWN) to shutdown. The setting condition will quit automatically after 2 minutes. Press SW1(DOWN) for 2 seconds, showing 0000, then quit the inquiry condition and stop sparklingly display. (the compressor is forbidden to startup when there is failure in system.)
6	1	2	Manual control SV1 ON/OFF	
6	2	2	Manual control SV3i ON/OFF	
6	3	2	Manual control SV31 ON/OFF	
6	4	2	Manual control SV6 ON/OFF	
6	5	2	Manual control SV9 ON/OFF	
6	6	2	Manual control SV10 ON/OFF	
6	7	2	Manual control SV11 ON/OFF	
6	8	2	Manual control SV18i ON/OFF	
6	9	2	Manual control SV181 ON/OFF	
6	10	2	Manual control SV21 ON/OFF	
6	11	2	Manual control fixed frequency compressor COMP1 ON/OFF	
6	12	2	Manual control fixed frequency compressor COMP2 ON/OFF	
6	13	2	Manual control CHi ON/OFF	Press SW2(UP) for 2 seconds, showing 1111, cancel; or press SW1(DOWN)for 2 seconds, showing 0000, cancel. Cancel content: The manual control of all the moving components of the outdoor unit, such as compressor, fan, electronic expansion valve LEV, solenoid valve SV, etc. (lincluding discharging setting and gas injecting setting; excluding running setting, such as rated setting/ compulsive setting/ indoor unit and outdoor unit ON/OFF setting)
6	14	2	Manual control 4WV2 ON/OFF	
6	15	2	Cancel all manual control (for component)	

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6. Parameters of phase order detect (Local):

SW9	SW10	SW11	Function	Operational approach
11	0	0	Times of ok for phase S (20 times as normal, alarm 37-1 when lower than 16 times)	
11	1-10	0	Observe the time of low level for phase S 10ms Unit: 0.1ms	
11	0	1	Times of ok for phase S (20 times as normal, alarm 37-1 when lower than 16 times)	
11	1-10	1	Observe the period of phase S 20ms Unit: 0.1ms	
11	0	2	Times of ok for phase T (20 times as normal, alarm 37-2 when lower than 16 times)	
11	1-10	2	Observe the time of low level for phase T 10ms Unit: 0.1ms	
11	0	3	Times of ok for phase T (20 times as normal, alarm 37-2 when lower than 16 times)	
11	1-10	3	Observe the period of phase T 20ms Unit: 0.1ms	
11	0	4	Times of ok for phase S/T order T (10 times as normal, alarm 37-3 when lower than 7 times)	

7. Examination of local ee data:

SW9	SW10	SW11	Function	Display with digital tube LED1 ~ 4
12	0	0	The EE data of address 000H (Version E2)	The first 256 bytes data display of local E (system parameters information) Calculating address: $\text{addr} = \text{SW10} \times 16 + \text{SW11}$ Data display: hex display, H means hex number
	0	1	The EE data of address 001H	
	...	...	...	
	0	15	The EE data of address 00FH	
	1	0	The EE data of address 010H	
	...	...	...	
	1	15	The EE data of address 01FH	
	...	...	...	
13	15	15	The EE data of address FFH	The last 256 bytes data display of local EE (Failure information) Calculating address: $\text{addr} = \text{SW10} \times 16 + \text{SW11}$ Data display: hex display, H means hex number. When the dial-up wheel is on 13 0 0, press SW2(UP) for 2 seconds, then the last 256 bytes of EE will be cleared.
	0	0	The EE data of address 100H	
	0	1	The EE data of address 101H	
				
	1	15	The EE data of address 11FH	
				
13	15	15	The EE data of address 1FFH	

Failure code

Failure code

Failure code description: (failure code of the whole system is showed as 8 bits, so totally 256 codes. Indoor failure code should be judged by the table and the unit number)

- Outdoor failure code exists in EEPROM, in which 5 failure codes can be kept.
- Indoor failure code exists in EEPROM, in which 5 failure codes can be kept.
- Clear failure code by indoor or outdoor.

Failure codes are distributed as follows:

0~19: indoor failure code

20~99: outdoor failure code

100~109: DC motor failure code

110~125: inverter module failure code

126~127: software auto-check failure code

Physical master unit:

Dip switches SW9, SW10, SW11 are at 0, 0, 0, LD displays failure code 20~127, it is the master failure code.

Dip switches SW9, SW10, SW11 are 1, 0, 0, LD displays failure code 20~127, it is failure code of No. 1 slave unit.

Dip switches SW9, SW10, SW11 are 2, 0, 0, LD displays failure code 20~127, it is failure code of No. 2 slave unit.

Physical slave unit:

Dip switches SW9, SW10, SW11 are at 0, 0, 0, LD displays failure code 20~127, it is single slave unit failure code.

Outdoor failure code display principle on wired controller:

When outdoor compressor is running, indoor wired controller will display the failure code of outdoor with higher priority. When compressor stops, it displays all indoor failures. The indoor failures will be classified as below: sensor failure, inverter board failure, fan motor driving board failure, any protections etc.

Inverter outdoor unit failure code indication on master unit

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
20-0	14	Defrosting temp. sensor Tdef1 failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, sensor has no alarm when abnormal in cooling mode.	Resumable
20-1	14	Defrosting temp. sensor Tdef2 failure		

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
21	15	Ambient temp. sensor Tao failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds.	Resumable
22-0	16	Suction temp. sensor Tsi failure		
22-1	16	Suction temp. sensor Tsacc failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, sensor has no alarm when abnormal in cooling mode.	
23-0	17	Discharging temp. sensor Tdi failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds. If $Tao \leq 0^{\circ}\text{C}$, no need to detect the open circuit failure (AD value is below 11.)	Resumable
23-1	17	Discharging temp. sensor Td1 failure		
23-2	17	Outdoor unit high temp. gas pipe temp. sensor Tdp failure		
24-0	18	Oil temp. sensor Toilp failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm. If $Tao < 0^{\circ}\text{C}$, there is no open circuit alarm. If $Tao \geq 0^{\circ}\text{C}$ and $ET \geq 0^{\circ}\text{C}$, no open circuit alarm within 5 minutes.	Resumable
24-1	18	Oil temp. sensor Toili failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm. If $Tao < 0^{\circ}\text{C}$ or not normal running, no open circuit alarm.	
25-0	19	Heat exchanger inlet temp. Toci1 failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, sensor has no alarm when abnormal in cooling mode.	Resumable
25-1	19	Heat exchanger inlet temp. Toci2 failure		

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
26-0	1A	Outdoor unit and indoor unit communication failure	Not finding connected indoor units for continuous 200 cycles	Resumable
26-1	1A		The searched indoor unit quantity is less than the set quantity for continuous 270 seconds	
26-2	1A		The searched indoor unit quantity is more than the set quantity for continuous 170 seconds	
26-3	1A		The searched valve box BS quantity is less than set quantity for continuous 5 minutes	
26-4	1A		The searched valve box BS quantity is more than set quantity for continuous 5 minutes	
27	1B	Oil temp. too high protection (Toili)	Toili $\geq 120^{\circ}\text{C}$ (E) at interval 25msec, continuous 2sec, and over the set value, then stop and alarm. The oil temp. 10°C lower than the alarm condition for 3 minutes after stop. If it occurs 4 times in an hour, confirm the failure. (the same as Td too high protection.)	Once confirmed, un-resumable
28	1C	High pressure sensor Pd failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm.	Resumable
29	1D	Low pressure sensor Ps failure		
30-0	1E	High pressure switch HPSi failure	When power on, the confirmation of OFF for continuous 2sec, alarm. If it occurs 4 times in an hour, confirm the failure	Once confirmed, un-resumable
30-1	1E	High pressure switch HPS1 failure		
32-0	20	Heat exchanger outlet temp. Tsc0 failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm, sensor has no alarm when abnormal in heating mode.	Resumable
32-1	20	Liquid pipe SC temp. of subcooler Tliq failure		

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
33-0	21	EEPROM (AT24C04) failure	EEPROM communication failure	Un-resumable
33-1			EEPROM data check failure(model code, check, etc.)	
33-2			EEPROM data logistic failure(data beyond limit, reverse sequence, etc.)	
34-0	22	Discharging temp. too high protection (Tdi)	Tdi / Td1 $\geq$ 130°C (E) at interval 25msec, continuous 2sec, and over the set value, then stop and alarm. The oil temp. 10°C lower than the alarm condition for 3 minutes after stop, then resume automatically. If it occurs 4 times in an hour, confirm the failure	Once confirmed, un-resumable
34-1	22	Discharging temp. too high protection (Td1)		
35-0	23	4-way valve reversing failure	After the 4-way valve is electrified for 3 minunts, if the below conditions can be met for continuous 10 seconds, that is conversing successfully: This outdoor unit compressor is running normally Tdp – Tdef1$\geq$10°C Tdp – Tdef2$\geq$10°C Pd – Ps$\geq$$\beta$ MPa ※Otherwise, stop protection. (Tao > -10°C, β=0.60; Tao$\leq$-10°C, β=0.40) *4-way valve OFF starts up again after 3 minutes *If Thermo. OFF for 2 continuous times, Error stop.	Once confirmed, un-resumable
35-1	23	4-way valve reversing failure	If there is 4-way valve of submachine not electrified after host heating detection starts up for 20 min, alarm 35-1 failure.	
36	24	Oil temp. too low protection (Toil)	In normal operation (exclude start up, defrosting, oil return, remain, stop), if Toil < CT+10°C for continuous 5 minutes, the unit stops for 170 seconds and then resumes automatically. If it occurs 3 time in an hour, lock the alarm. *The same as Td too low protection	Once confirmed, un-resumable
37-0	25	Lack of phase of 3N power supply or wrong phase sequence	S phase lack	Un-resumable
37-1			T phase lack	
37-2			S phase & T phase normal, but wrong phase sequence	

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
38	26	High pressure sensor Pd too low protection	Not applicable for this mode	Once confirmed, un-resumable
39-0	27	Low pressure sensor Ps too low protection	After compressor is running(except for residual operation), if in cooling, $P_s < 0.10\text{MPa}$; in heating, $P_s < 0.05\text{MPa}$, in oil return, $P_s < 0.03\text{MPa}$ for continuous 5 minutes, stop and alarm. 170 seconds later, resume automatically. If it occurs 3 times in an hour, confirm the failure.	Once confirmed, un-resumable
39-1	27	Compressor ratio ϵ too high protection	After compressor is running, compression ratio $\epsilon > 8.0$ for continuous 5 minute, then stop and alarm. If in cooling, compression ratio $\epsilon > 9.0$ for continuous 1 minute or in heating, compression ratio $\epsilon > 8.5$ for continuous 1 minute or in heating, stop and alarm. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	
39-2	27	Compressor ratio ϵ too low protection	In normal operation (exclude start up, defrosting, oil return, remain, stop), if compression ratio $\epsilon < 1.8$ for continuous 5 minutes, then stop and alarm. Or $\epsilon < 1.5$ for continuous 1 minute, then stop and alarm. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	
40	28	High pressure sensor Pd too high protection	After compressor is running, if continuous 2 sec $P_d \geq 4.15\text{MPa}$, stop and alarm. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure (Like high pressure switch alarm)	Once confirmed, un-resumable
43-0	2B	Discharging temp. sensor Tdi too low protection	After 10 minutes for normal operation (exclude start up, defrosting, oil return, remain, stop), if $T_d < CT + 10^\circ\text{C}$ for continuous 5 minutes, stop and alarm. If it occurs 3 times in an hour, lock the alarm.	Once confirmed, un-resumable
43-1	2B	Discharging temp. sensor Td1 too low protection		

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
44	2C	Low pressure sensor Ps too high protection	Not applicable for this mode	Once confirmed, un-resumable
45	2D	Communication failure among outdoor units	No communication within 30 seconds continuously (E)	Resumable
46	2E	Communication with INV board failure	No communication within 30 seconds continuously (E)	
53-0	35	Current detector CT failure	Detect before starting up, show incorrect voltage of sensor, stop for 3 minutes, resume to be normal automatically	Resumable
64-0	40	Current detector CT over current failure	Current of fixed compressor at interval 25msec exceed the current limit for 2 times and then stop. Stop for 3 minutes, then resume to be normal automatically. If it occurs 4 times in an hour, lock the alarm. * But, in 4 seconds after startup, not detected.	Once confirmed, un-resumable
67	43	Communication with motor driving board failure	Without communication for 4 minutes.	Resumable
71-0	47	Fan 1 locked-rotor (Left)	Running at speed below 20rpm for 30s, or at speed of 70% lower than target for 2 minutes, stop. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	Once confirmed, un-resumable
71-1	47	Fan 2 locked-rotor (Right)		
75-0	4B	No pressure drop between high pressure and low pressure	In 1 minute after INV compressor starts up, Pd-Ps $\leq$ 0.1MPa, then stop. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	Once confirmed, un-resumable
75-4	4B	Too small pressure drop between high pressure and low pressure	If Pd-Ps $\leq$ 0.4MPa for 3 minutes, the outdoor unit protection stop. • 5 minutes after stopping protection, restart. • If there are more than 6 times of stopping protecting within 2 hours, Error stop.	Once confirmed, un-resumable

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
76-0	4C	Incorrect outdoor unit quantity, address or capacity setting	Submachine quantity setting are not in conformance with data in EEPROM of the host.	Reset
76-1			Submachine address setting are not in conformance with data in EEPROM of the host.	
76-2			Submachine capacity setting are not in conformance with data in EEPROM of the host.	
77	4D	Oil equalization protection among outdoor units	If ToilpB-ToilpA $\leq$ 10℃ , alarm and stop. Not detecting in the course of startup, defrosting and oil return and in 10 minutes after oil return finishes.170 seconds later, resume automatically. If it occurs 2 times in an hour, lock the failure.	Once confirmed, un-resumable
78-0	4E	Lack of gas alarm in cooling	When cooling compressor runs, Ps<0.1MPa for 30 minutes.	Resumable
78-1	4E	Lack of gas alarm in heating	When heating compressor runs, Ts1-ET>20 & Ts1-ET>20 & LEV open fully for 60 minutes, output the lack of gas alarm signal and not stop.	
80	50	Capacity not match to the outdoor units	In VRF system, the difference of capacity between submachine and host is more than 6HP, confirm the failure.	Un-resumable
100	64	DC fan driving board IPM alarm	DC fan driving board IPM alarm because of over current or too high temp. of modular.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	Once confirmed, un-resumable
101	65	DC fan driving board detecting out of control	DC fan driving board detecting is out of control. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	
102	66	DC fan driving board Eeprom faulty	DC fan driving board Eeprom data is wrong. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	
103	67	DC fan driving board over current or current detector damaged	DC fan driving board over current is over 5A, then alarm.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
104	68	Voltage too low protection of DC fan driving board	Voltage of DC fan driving board is lower than 280V, then alarm.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	
105	69	Overvoltage protection of DC fan driving board	Voltage of DC fan driving board is more than 400V, then alarm.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	
106	6A	DC fan driving board locked-rotor	Fan speed can not be detected.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure	
107	6B	Over speed protection of DC fan	If it occurs 4 times in an hour, lock the alarm.	
110	6E	IPM modular protection (FO)	IPM modular over current, in short circuit, over heat, voltage too low of control circuit.	If it occurs 4 times in an hour, confirm the failure. Once confirmed, un-resumable.
111	6F	INV compressor out of control	In the course of compressor startup or running, the unit can not detect the rotor position for 6 times, stop for 5s and then the INV control board resumes automatically.	
112	70	Modular radiator temp. too high	If temp. > 94℃ , alarm. If temp.≤94℃ , INV control board resumes automatically.	
113	71	Inverter controller overload	The output current of inverter controller is too high continually.	
114	72	Voltage too low of modular DC	If power voltage < DC420V, alarm. If voltage≥DC420V, INV control board resumes automatically.	
115	73	Voltage too high of modular DC	If power voltage > DC642V, alarm. If voltage≤DC642V, INV control board resumes automatically.	
116	74	Communication with modular abnormal	If communication signal can not be detected for continuous 30 seconds, alarm. After it can be detected, INV control board resumes automatically.	

Failure code

LED indication on master unit	Indication on wired controller (hex)	Failure code definitio	Failure description	Remarks
117	75	Modular software over current	Modular software over current.	
118	76	Modular startup failure	Compressor starts up fail for continuous 5 times.	
119	77	Current detecting circuit abnormal of INV controller	Sensor for detecting current of inverter controller is abnormal. Cannot be connected or wrong connection.	
120	78	Inverter controller power supply abnormal	Power supply of inverter controller stops suddenly.	
121	79	Power supply of inverter controller board is abnormal	Power supply of inverter controller board is broken down instantly.	If it occurs 4 times in an hour, confirm the failure. Once confirmed, un-resumable.
122	7A	Radiator temp. sensor of inverter controller is abnormal.	Resistor of temp. sensor abnormal or temp. sensor disconnected.	
125	7D	Compressor frequency un-match	(Current frequency $\geq$ INV target frequency+3Hz) or (target frequency >0 & actual frequency=0) for continuous 2 minutes	Resumable
127	7F	MCU reset failure	If the host inspects that MCU of submachine is reset, and the submachine is running, the host alarm MCU reset failure, then the whole system stop. In heating mode, when restart up, 4WV will not be electrified, and the whole system will execute 4WV reversing operation again. If it occurs 4 times in one hour, confirm the failure.	Once confirmed, un-resumable.

Failure code

When there is no failure, if the starting condition can not be met, digital tube on host will display stand-by code:

555.0	Stand-by state of capacity overmatch	When capacity is over 135% or lower than 50%, the system is standby.	Once confirmed, un-resumable.
555.1	Stand-by state of 26℃ of heating mode	When it is in heating mode with ambient temp. over 26℃ ,the system is standby.	
555.2	Stand-by state of low pressure (lack of gas)	When the unit starts in cooling Ps<0.23MPa or heating Ps<0.12MPa, the system is standby.	
555.3	Stand-by state of 54℃ of cooling mode	For high ambient models, the unit can not open if ambient temp. over 54℃ in cooling mode, and the digital tube display: "555.3"	

Indoor failure code list

Indication on master unit	Indication on wired controller	Flash times of LED5 on indoor PCB/ timer LED on remote receiver	Failure code definitio
01	01	1	Indoor ambient temp. sensor TA failure
02	02	2	Indoor coil temp. sensor TC1 failure
03	03	3	Indoor coil temp. sensor TC2 failure
04	04	4	Indoor TW sensor failure
05	05	5	Indoor EEPROM failure
06	06	6	Communication between indoor and outdoor failure
07	07	7	Communication between indoor and wired controller failure
08	08	8	Indoor drainage failure
09	09	9	Indoor repeated address
0C	0C	12	50Hz zero failure
Outdoor failure code	Outdoor failure code	20	Outdoor corresponding failure

VP device failure code list

Failure code	Failure code definitio	Judgment method	Remarks
5	VP device EEPROM date failure		Un-resumable
6	Communication between VP device and outdoor failure	No communication with the outdoor unit for continuous 120 seconds	Resumable
7	Communication between VP device and indoor failure	When detecting the connected indoor units, the indoor unit quantity is zero.	Resumable
9	VP device repeated address		Resumable
20	Outdoor corresponding failure		Resumable

Trial operation and the performance

5-minute delay function

- If starting up the unit after being powered off, the compressor will run about 5 minutes later against being damaged.

Cooling/heating operation

- Indoor units can be controlled individually. Indoor units under different VP can achieve cooling and heating simultaneously.
- Indoor units connected to the same VP can not achieve cooling and heating simultaneously or can not do heating mode. If cooling and heating simultaneously, the later set indoor unit will be in stand-by status, and the earlier set indoor unit can run normally. If the indoor units are not connected to the VP device, it can only do the cooling mode.
- When the system manager fixes the operating mode on cooling or heating, the units can not run in other mode

Heating mode characteristic

- In operation if outdoor temp. arises, indoor fan motor will turn to low speed or stop.

Defrosting in heating mode

- In heating mode, outdoor defrosting will affect the heating efficiency. The unit will defrost for about 2~10 minutes automatically, at this time, the condensate will flow from outdoor, also in defrosting, the vapour will appear at outdoor, which is normal. Indoor motor will run at low speed or stop, and outdoor motor will stop.

The unit operation condition

- To use the unit properly, please operate the unit under the allowed condition range. If operating beyond the range, the protection device will act.
- The relative humidity should be lower than 80%. If the unit runs at the humidity over 80% for a long period, the dew on the unit will drop down and the vapour will be blowed from air outlet.

Protection device (such as high pressure switch)

- High pressure switch is the device which can stop the unit automatically when the unit runs abnormally. When the high pressure switch acts, the cooling/heating mode will stop but the running LED on wired controller will be light still. The wired controller will display failure code.
- When the following cases occur, the protection device will act:
In cooling mode, air outlet and air inlet of outdoor are clogged.
In heating mode, indoor filter is stucked with duct; indoor air outlet is clogged
When protection device acts, please cut off the power source and re-start up after eliminating the trouble.

Trial operation and the performance

When power failure

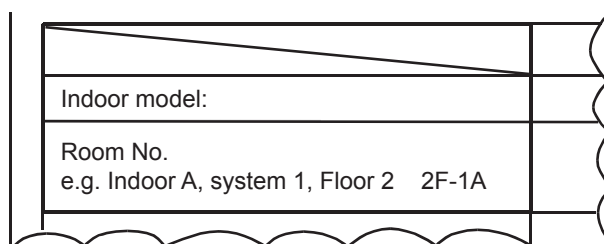
- When power is failure in running, all the operations will stop.
- After being electrified again, if with re-start up function, the unit can resume to the state before power o f automatically; if without re-start up function, the unit needs to be switched on again.
- When abnormal occurs in running because of the thunder, the lightning, the interference of car or radio, etc, please cut off the power source, after eliminating the failure, press "ON/OFF" button to start up the unit.

Heating capacity

- The heating mode adopts the heat pump type that absorbs outdoor heat energy and releases into indoor. So if outdoor temperature goes down, the heating capacity will decrease.

System marks

- On the condition that multi FlowLogic II systems are installed, in order to confirm the relationship between outdoor and indoor, please make marks on outdoor electric control box cover to indicate the connected indoor unit. As the below figure:

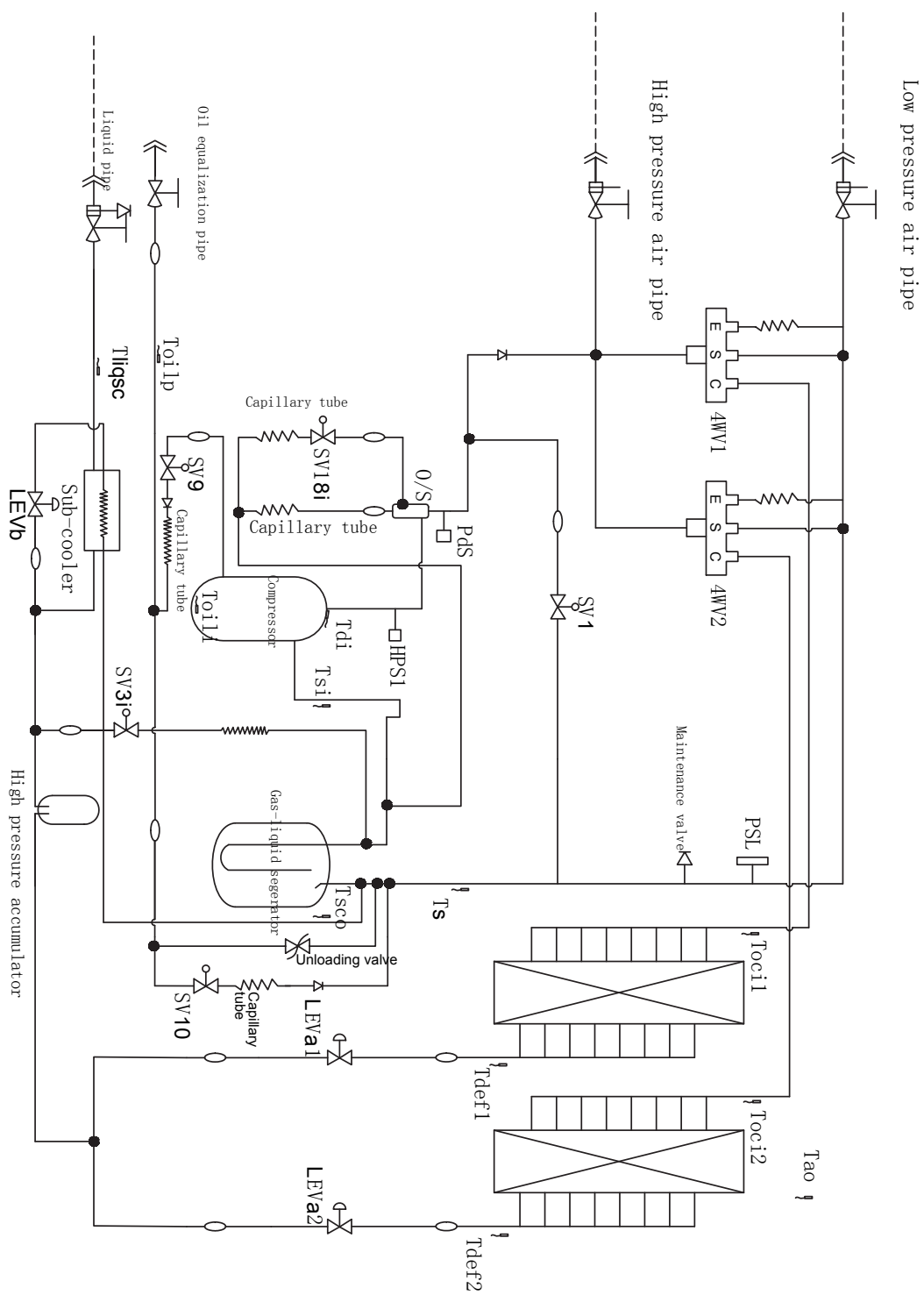


Trial operation

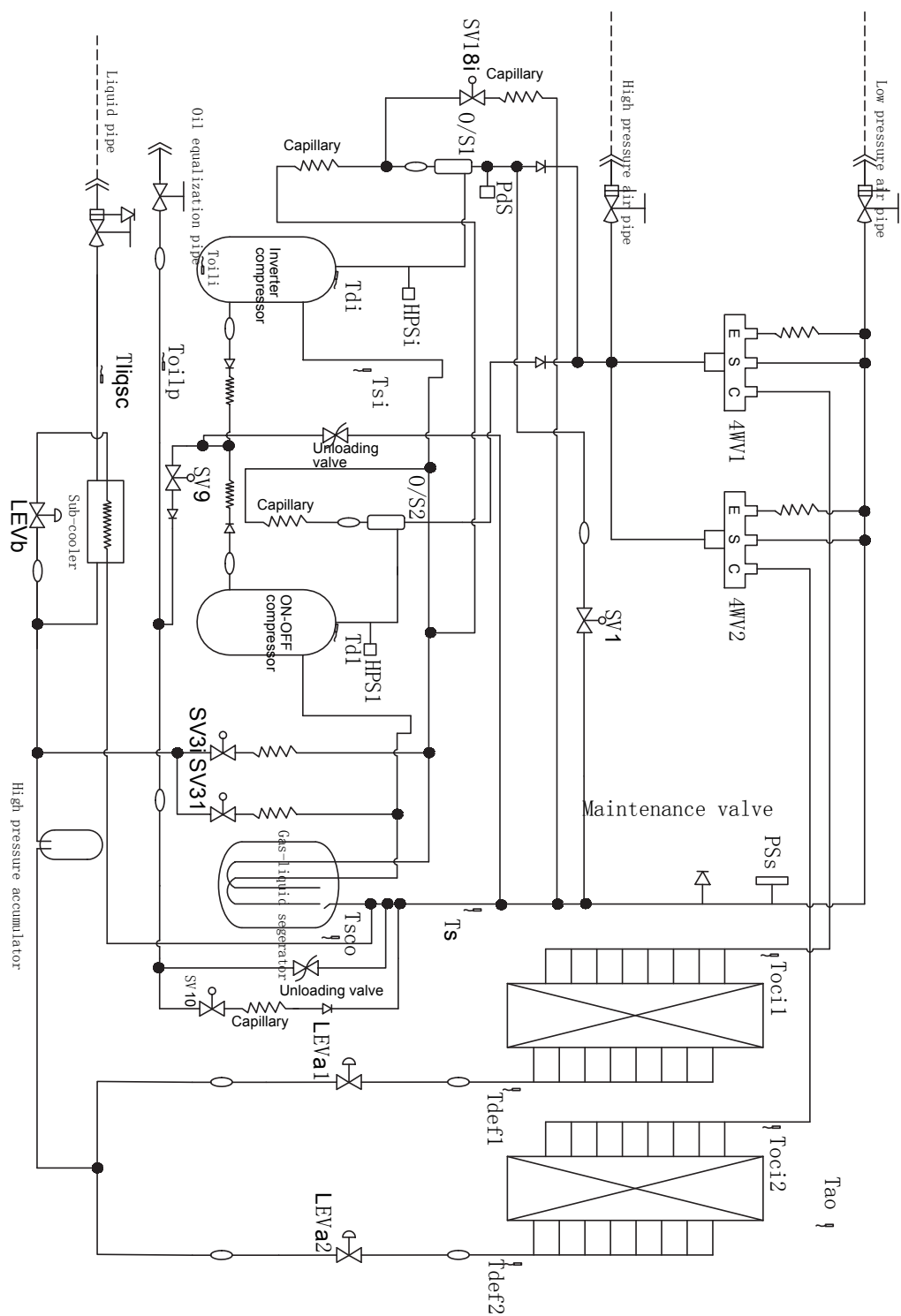
- Before trial operation:
Before being energized, measure the resistor between power terminal block (live wire and neutral wire) and the grounded point with a multimeter, and check if it is over 1M * . If not, the unit can not operate.
To protect compressor, energize the outdoor unit for at least 12 hours before the unit runs. If the crankcase heater is not energized for 6 hours, the compressor will not work.
Confirm the compressor bottom getting hot
Except for the condition that there is only one master unit connected (no slave unit), under the other conditions, open fully the outdoor operating valves (gas side, liquid side, oil equalization pipe, HP gas side). If operating the unit without opening the valves, compressor failure will occur.
Confirm all indoor units being electrified. If not, water leakage will occ .
Measure the system pressure with pressure gauge, at the same time, operate the unit.
- Trial operation
In trial operation, refer to the information of performance section.
When the unit can not start up at the room temperature, make trial operation for outdoor.

2.3 Piping diagram

8HP/10HP



12HP/14HP/16HP

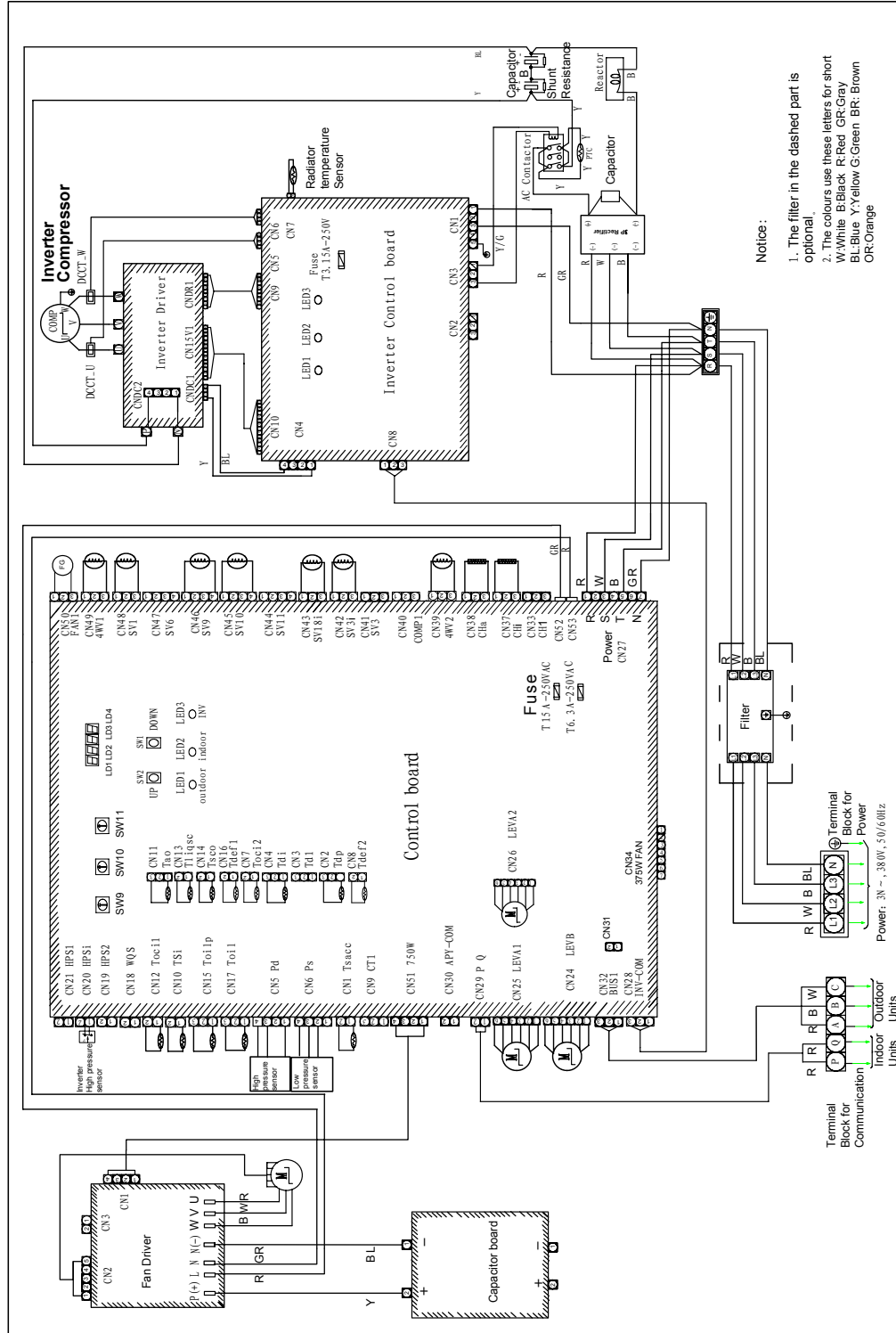


Part name	Sign	Function	Data	Remark
Compressor	/	Capacity control, meet indoor load request by adjusting the frequency.	ANB52: 0.302Ω AN66: 1.78Ω	200C
Pressure Switch	HPSi/1	Inverter/ ON-OFF high pressure protection control	4.15Mpa, OFF	
Pressure Sensor	Pd	In heating, compressor frequency adjustment, abnormal pressure protection.	NSK-BD042I-224	
	Ps	In cooling, compressor frequency adjustment abnormal pressure protection.	NSK-BD017I-224	
Electronic Expansion Valve	LEV1/2	1.Refrigerant flow control when heating 2. When one outdoor unit is operating, LEVa1/2 can control the heat exchanger works at a half or full condition.	8~10HP: Φ 2.4 12~16HP: Φ 3.0	
	LEVb	Sub-cooling valve, in cooling, be controlled as the Tliqsc target.	8~10HP: Φ 1.8 12~16HP: Φ 2.4	
Solenoid Valve	SV1	1.Meet balance of high/low pressure when compressor starts up or stops. 2.High/low pressure protection.	AC220V Open when power is on, close when power is off	2A
		Starting auxiliary oil return when the frequency of inverter compressor is high.	When the frequency of inverter compressor pass 62rps, starts up, stops when 52rps.	
	SV10	When equalizing oil, SV10 starts up.	AC220V	2A
	SV9	When equalizing oil among modules, SV 9 starts up.	AC220V	2A
	SV3i	When Tdi/Toili is high, the inverter compressor starts up.	AC220V	2A
	SV31	12~16HP outdoor ON/OFF compressor starts up when TD1 is high.	AC220V	2A
4-way valve	4WV1	Change over between cooling and heating	AC220V, power on in heating; power off in cooling or defrosting	
	4WV2	When one outdoor unit is operating, 4WV2 can control the heat exchanger working at a half or full condition.	AC220V, always power on when heat exchanger works at a half condition no matter heating or cooling.	
Unloading Valve	DPC	Avoid the oil equalization circuit being blocked by liquid seal.	Opened when the circuit's pressure is over 4.1MPa	
Temp. Sensor	Toili	Detect the refrigerant oil temp. at compressor's bottom to judge whether the units operation, oil temp. and oil temp. over-heating degree meet the standard or not.	R(80°C) = 50K B(25/80°C) = 4450K	
	Tdp	Detect the high pressure air pipe's temp. to judge whether the diversion in 4WV is success or not.		
	Tdi/Td1	Detect the temp. of inverter and On-Off compressors' top		
	Toilp	Detect the temp. of oil equalization pipe when equalizing the oil if there are several outdoor units		
	Tdef1/2	Detect the coil's temp. of outdoor heat exchanger to judge if it reaches the defrosting standard	R(25°C) = 10K, B(25°C/50°C) = 3700 K	
	Ts/Tsi	Detect the compressor's suction temp.		
	Tsco	Detect the branch outlet pipe's temp. of heat regenerator in order to control LEVb during cooling.		
	Toci1/2	Detect condenser's whole air pipe's temp. to control LEVa1 and LEVa2 when heating.		
	Tao	Detect the outdoor temp. to set the original airflow speed and defrosting condition.		
	Tliqsc	Detect the main outlet pipe's temp. of heat regenerator in order to control LEVb during cooling.		
Heater	CHa	Apply to heat the liquid refrigerant in the gas-liquid separator	70W,220V, 1 piece	
	CHi	Applied to heat the oil in the inverter compressor	33W,220V, 2 piece	
	CH1	Applied to heat the oil in On-Off compressor	33W,220V, 1 piece	

2.4 Wiring diagram

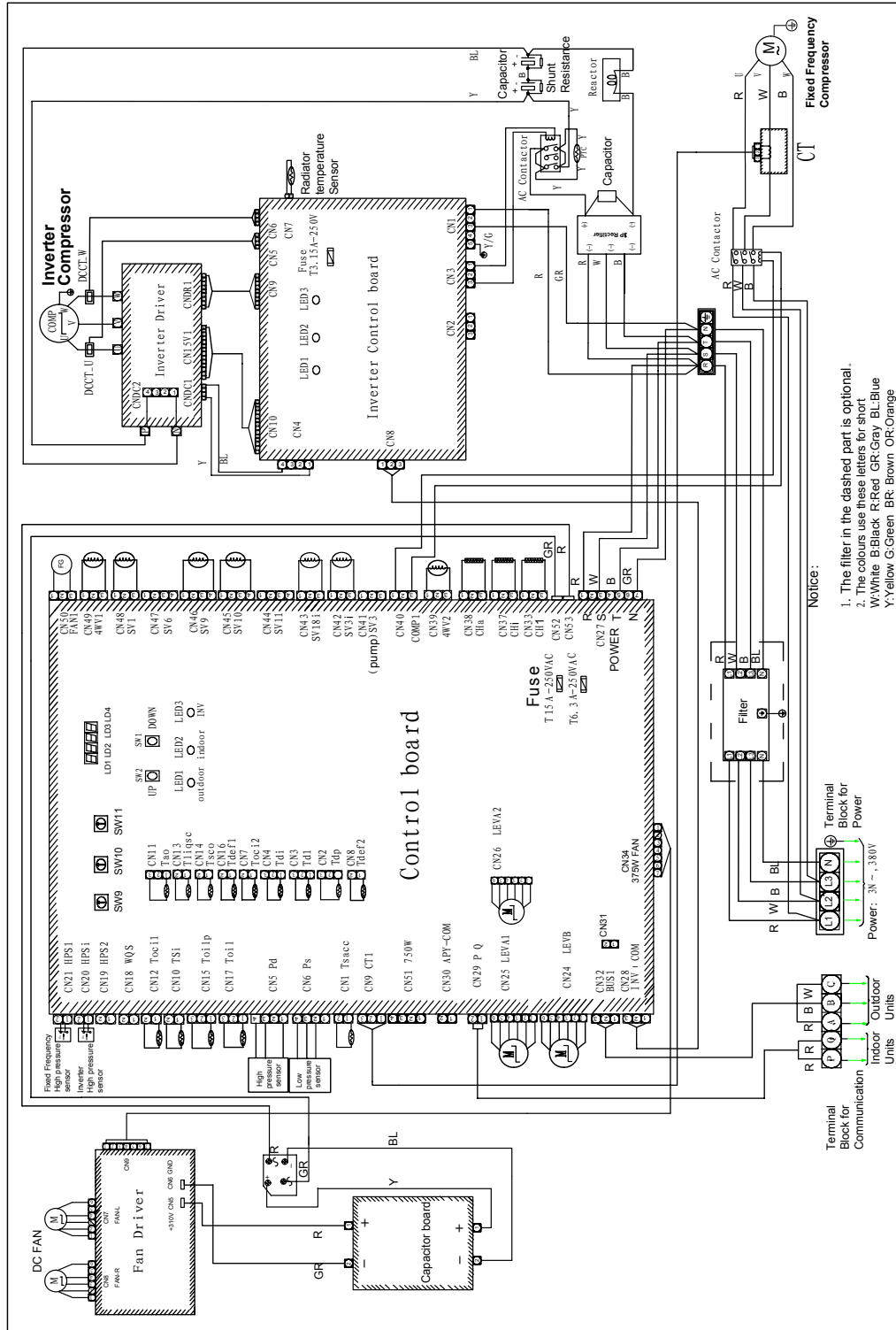
8HP/10HP

WIRING DIAGRAM OF AV08/10IMVUSA



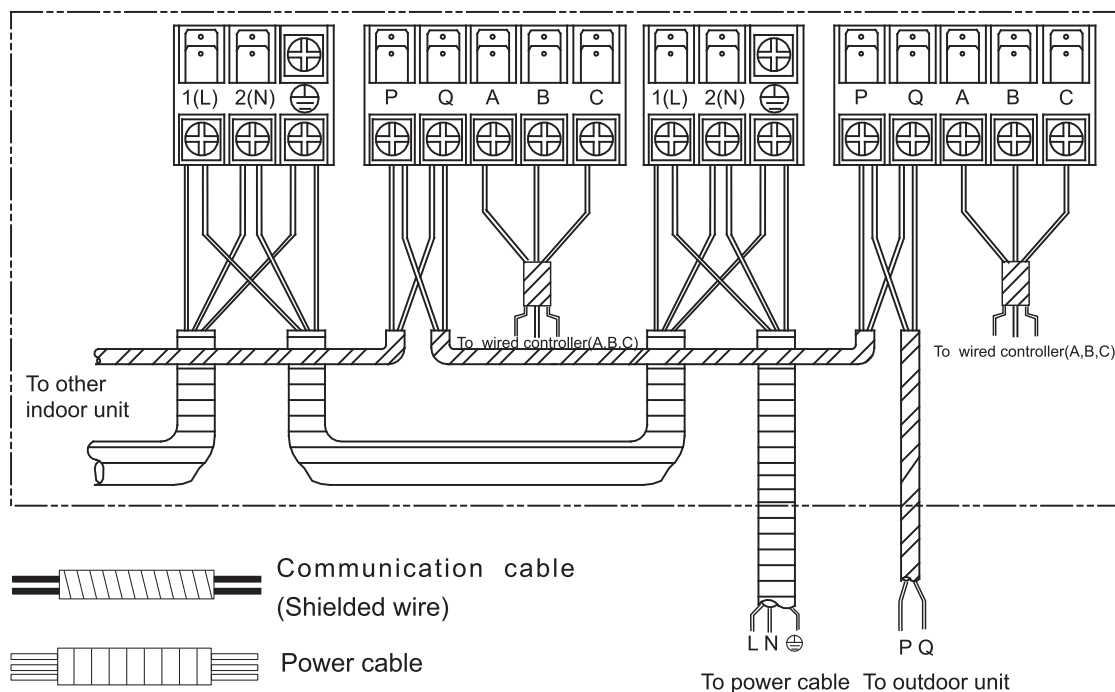
12HP/14HP/16HP

WIRING DIAGRAM OF AV12/14/16IMVUSA

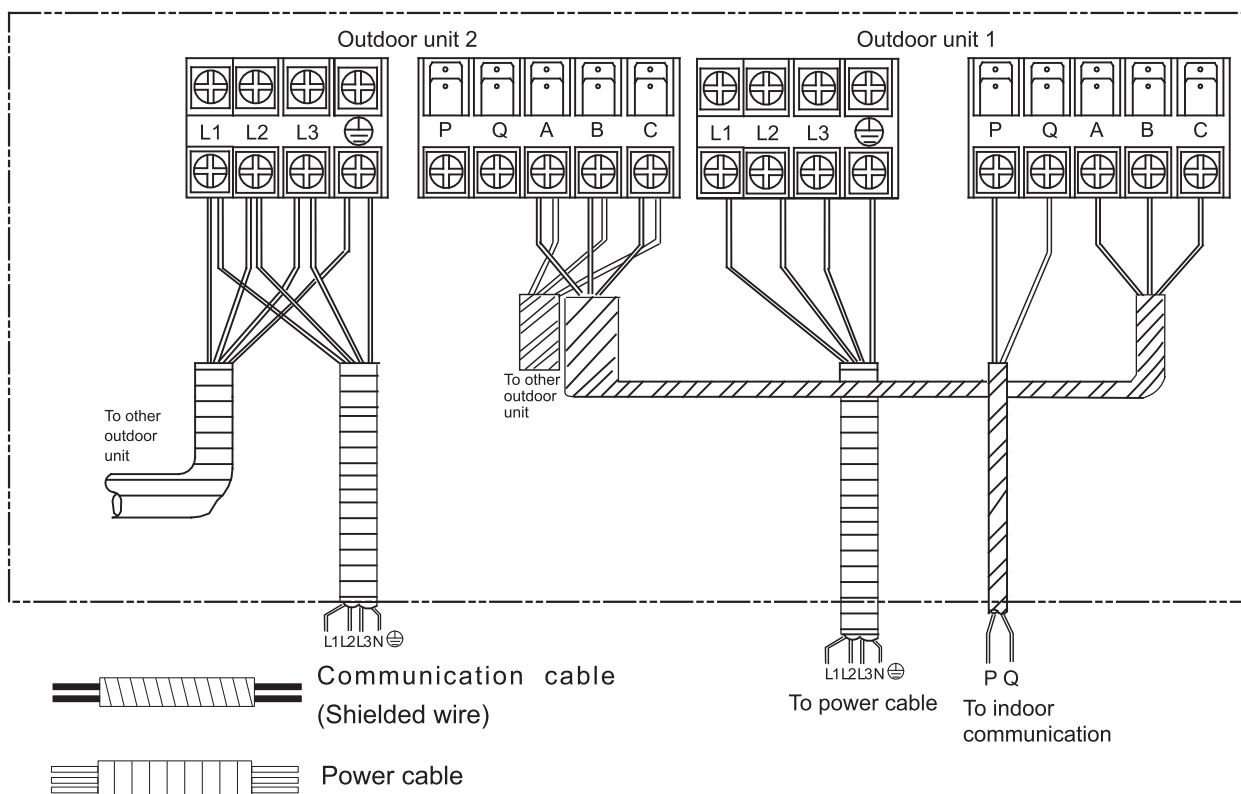


2.5 Field wiring

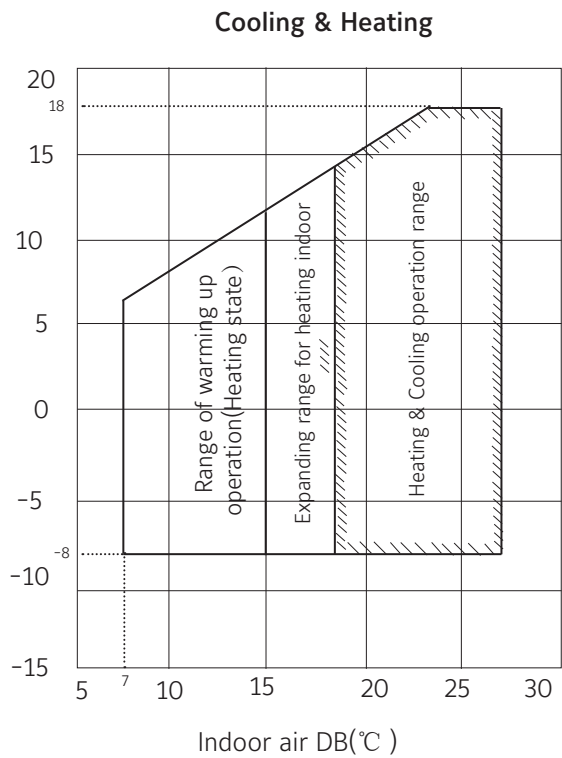
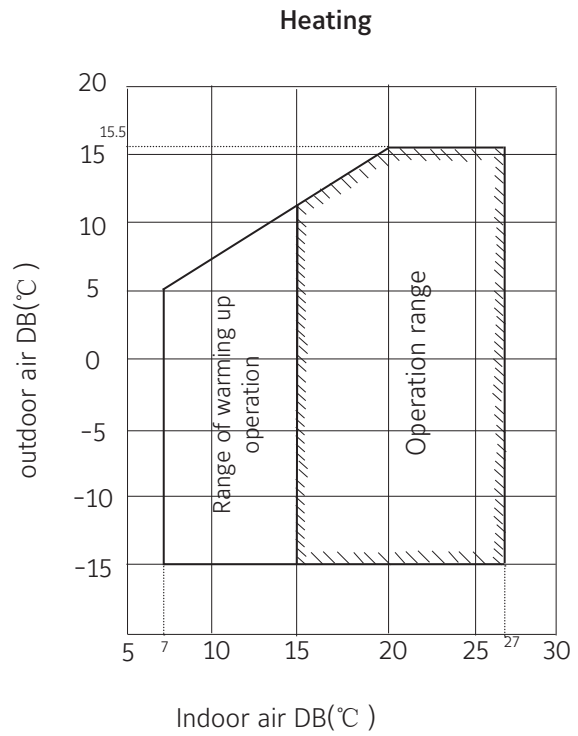
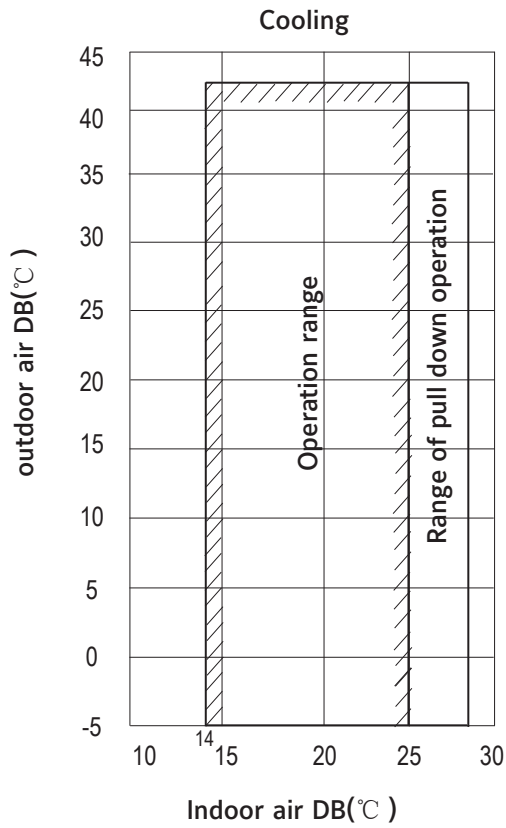
Wiring of indoor units(for example)



Wiring of outdoor units(for example)

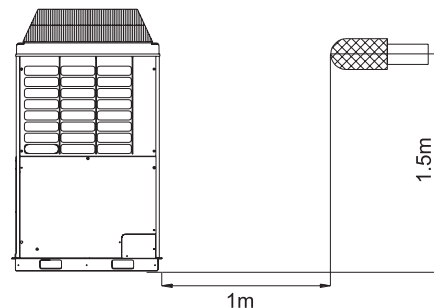


2.6 Operation range



2.7 Sound pressure level

(1) Testing illustration



(2) Testing condition:

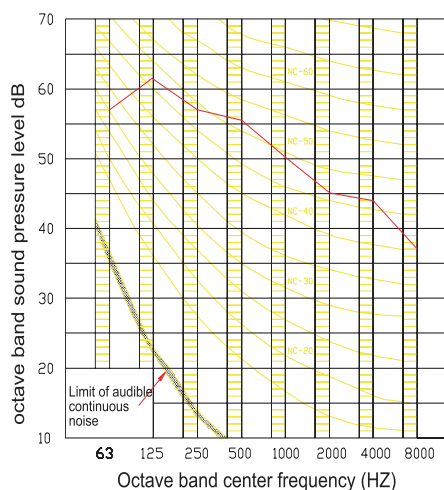
- Unit running in the nominal condition
- Test in the semi-anechoic chamber
- Noise level varies from the actual factors such as room structure, etc

(3) Noise level dB(A):

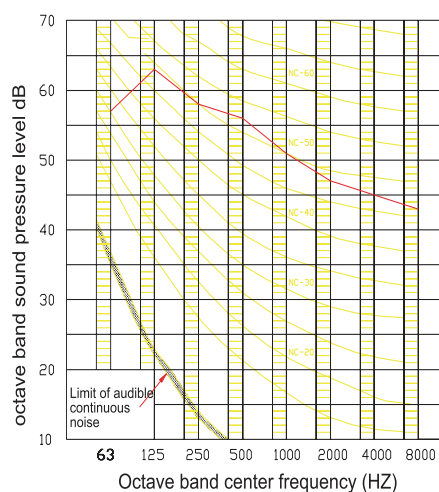
Air speed	Outdoor unit group(380~400-3-50/60)								
	8HP	10HP	12HP	14HP	16-20HP	22-26HP	28-32HP	34-42HP	44-48HP
H	57	57	60	60	60	61	62	63	64

(4) Octave band level

YV2VYT024KAS-D-X
YV2VYT029KAS-D-X



YV2VYT035KAS-D-X
YV2VYT042KAS-D-X
YV2VYT045KAS-D-X



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3. Capacity table

3.1. Outdoor cooling capacity

YCV280HR Cooling Capacity															
Capacity Factor (%)	Outdoor Temp (°C WB)	Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	24.86	3.93	29.29	4.72	33.73	5.42	35.71	6.03	36.89	5.95	37.58	5.38	38.57	5.25
	0	24.86	3.96	29.29	4.75	33.73	5.46	35.71	6.07	36.89	6.00	37.58	5.44	38.57	5.31
	5	24.86	4.01	29.29	4.80	33.73	5.52	35.71	6.13	36.89	6.07	37.58	5.51	38.57	5.40
	10	24.86	4.07	29.29	4.88	33.73	5.70	36.10	6.11	36.40	6.01	37.28	5.74	38.07	5.48
	15	24.86	4.25	29.29	5.10	33.73	5.95	35.41	6.10	35.71	6.04	36.10	6.08	36.99	6.09
	20	24.86	4.47	29.29	5.64	33.34	6.80	34.32	6.82	34.13	6.86	35.02	6.92	35.80	6.99
	25	24.86	5.34	29.29	6.75	32.35	7.69	33.14	7.70	33.04	7.73	33.93	7.80	34.62	7.90
	30	24.86	6.33	29.29	7.49	31.07	8.51	31.37	8.59	31.86	8.62	31.76	8.72	33.44	8.82
	35	24.86	7.39	29.00	9.33	30.38	9.44	30.28	9.51	30.77	9.51	31.66	9.64	32.35	9.64
	41	24.86	8.62	28.80	10.16	28.80	10.26	29.29	10.26	29.59	10.26	30.58	10.26	30.97	10.36
	43	24.86	9.33	28.31	10.26	28.21	10.26	28.70	10.35	28.90	10.35	29.98	10.38	30.08	10.40
120%	-5	23.08	3.58	27.03	4.23	31.17	4.94	33.24	5.35	35.21	5.73	37.09	5.86	37.88	5.58
	0	23.08	3.61	27.03	4.26	31.17	4.98	33.24	5.40	35.21	5.78	37.09	5.91	37.88	5.64
	5	23.08	3.66	27.03	4.31	31.17	5.05	33.24	5.46	35.21	5.86	37.09	5.98	37.88	5.72
	10	23.08	3.72	27.03	4.47	31.17	5.23	33.24	5.60	35.21	5.98	36.69	5.94	37.38	5.70
	15	23.08	3.90	27.03	4.68	31.17	5.46	33.24	5.85	34.72	6.12	35.41	6.02	36.20	6.05
	20	23.08	4.07	27.03	5.03	31.17	6.17	33.24	6.78	33.63	6.82	34.32	6.87	35.11	6.93
	25	23.08	4.79	27.03	6.02	31.17	7.39	32.15	7.65	32.55	7.69	33.34	7.80	33.93	7.80
	30	23.08	5.67	27.03	7.14	30.38	8.51	30.87	8.56	31.27	8.59	31.96	8.62	32.85	8.72
	35	23.08	6.65	27.03	8.41	29.79	9.33	29.79	9.41	30.18	9.41	30.97	9.54	31.66	9.64
	41	23.08	7.69	27.03	9.64	28.21	10.26	28.80	10.26	29.20	10.26	29.49	10.26	30.28	10.26
	43	23.08	8.51	27.03	10.26	27.62	10.36	28.21	10.35	28.51	10.35	28.80	10.36	29.79	10.38
110%	-5	21.21	3.24	24.76	3.84	28.60	4.47	30.48	4.86	32.25	5.23	36.49	6.04	37.19	5.80
	0	21.21	3.27	24.76	3.87	28.60	4.51	30.48	4.90	32.25	5.28	36.49	6.09	37.19	5.87
	5	21.21	3.32	24.76	3.92	28.60	4.58	30.48	4.96	32.25	5.35	36.49	6.17	37.19	5.95
	10	21.21	3.39	24.76	4.06	28.60	4.75	30.48	5.10	32.25	5.45	36.00	6.13	36.69	5.92
	15	21.21	3.55	24.76	4.25	28.60	4.96	30.48	5.32	32.25	5.68	34.82	6.10	35.61	6.01
	20	21.21	3.70	24.76	4.46	28.60	5.44	30.48	5.96	32.25	6.50	33.73	6.83	34.42	6.88
	25	21.21	4.26	24.76	5.33	28.60	6.50	30.48	7.14	31.86	7.64	32.55	7.69	33.24	7.80
	30	21.21	5.03	24.76	6.31	28.60	7.80	30.48	8.42	30.48	8.50	31.46	8.62	32.15	8.62
	35	21.21	5.91	24.76	7.42	28.60	8.51	29.29	9.31	29.69	9.41	30.28	9.54	30.97	9.64
	41	21.21	6.90	24.76	8.72	27.91	9.23	28.31	10.07	28.60	10.07	28.90	10.16	29.79	10.16
	43	21.21	7.49	24.76	9.44	27.22	9.95	27.72	10.17	27.91	10.17	28.21	10.26	29.10	10.26
100%	-5	19.14	2.92	22.49	3.46	25.94	4.05	28.00	4.59	29.29	4.65	32.75	5.31	37.78	6.01
	0	19.14	2.95	22.49	3.49	25.94	4.09	28.00	4.64	29.29	4.70	32.75	5.36	37.78	6.07
	5	19.14	3.01	22.49	3.54	25.94	4.15	28.00	4.70	29.29	4.77	32.75	5.44	37.78	6.15
	10	19.14	3.06	22.49	3.66	25.94	4.27	28.00	4.58	29.29	4.90	32.75	5.53	37.19	6.12
	15	19.14	3.19	22.49	3.82	25.94	4.46	28.00	4.80	29.29	5.12	32.75	5.78	36.49	6.09
	20	19.14	3.34	22.49	4.00	25.94	4.75	28.00	5.20	29.29	5.67	32.75	6.66	35.90	6.83
	25	19.14	3.75	22.49	4.68	25.94	5.68	28.00	6.23	29.29	6.78	31.96	7.69	34.62	7.69
	30	19.14	4.44	22.49	5.48	25.94	6.73	28.00	7.27	29.29	8.04	30.77	8.51	33.04	8.62
	35	19.14	5.20	22.49	6.48	25.94	7.92	28.00	7.55	29.10	9.31	29.69	9.44	31.46	9.54
	41	19.14	6.07	22.49	7.59	25.94	9.22	27.81	9.60	28.01	9.98	28.60	10.16	29.20	9.95
	43	19.14	6.77	22.49	8.21	25.94	9.97	27.24	9.97	27.32	10.26	28.11	10.26	28.51	10.16

To be continued

Continued

YCV280HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	17.22	2.60	20.24	3.13	23.35	3.63	25.20	3.87	26.53	4.20	29.49	4.66	32.55	5.20
	0	17.22	2.64	20.24	3.16	23.35	3.67	25.20	3.91	26.53	4.26	29.49	4.71	32.55	5.26
	5	17.22	2.69	20.24	3.21	23.35	3.73	25.20	3.97	26.53	4.33	29.49	4.78	32.55	5.34
	10	17.22	2.74	20.24	3.26	23.35	3.80	25.20	4.08	26.53	4.36	29.49	4.92	32.55	5.49
	15	17.22	2.85	20.24	3.41	23.35	3.97	25.20	4.25	26.53	4.56	29.49	5.14	32.55	5.73
	20	17.22	2.99	20.24	3.57	23.35	4.15	25.20	4.48	26.53	4.88	29.49	5.70	32.55	6.60
	25	17.22	3.28	20.24	4.06	23.35	4.91	25.20	5.37	26.53	5.83	29.49	6.82	31.96	7.69
	30	17.22	3.88	20.24	4.80	23.35	5.82	25.20	6.35	26.53	6.91	29.49	8.10	30.87	8.51
	35	17.22	4.53	20.24	5.62	23.35	6.82	25.20	7.47	26.53	8.13	29.10	9.33	29.69	9.44
80%	41	17.22	5.22	20.24	6.55	23.35	7.90	25.20	8.72	26.53	9.31	27.82	10.16	28.60	10.16
	43	17.22	5.41	20.24	7.12	23.35	8.51	25.20	9.13	26.53	9.60	26.63	10.26	28.01	10.26
	-5	15.31	2.31	17.99	2.75	20.75	3.19	22.40	3.47	23.48	3.60	26.24	4.09	28.90	4.42
	0	15.31	2.34	17.99	2.78	20.75	3.23	22.40	3.51	23.48	3.65	26.24	4.14	28.90	4.48
	5	15.31	2.39	17.99	2.83	20.75	3.29	22.40	3.57	23.48	3.72	26.24	4.22	28.90	4.56
	10	15.31	2.43	17.99	2.88	20.75	3.34	22.40	3.65	23.48	3.83	26.24	4.33	28.90	4.82
	15	15.31	2.52	17.99	3.01	20.75	3.50	22.40	3.74	23.48	4.00	26.24	4.52	28.90	5.04
	20	15.31	2.64	17.99	3.13	20.75	3.65	22.40	3.92	23.48	4.19	26.24	4.82	28.90	5.56
	25	15.31	2.83	17.99	3.48	20.75	4.19	22.40	4.56	23.48	4.94	26.24	5.78	28.90	6.65
70%	30	15.31	3.34	17.99	4.11	20.75	4.94	22.40	5.40	23.48	5.86	26.24	6.83	28.90	7.90
	35	15.31	3.91	17.99	4.81	20.75	5.82	22.40	6.34	23.48	6.88	26.24	8.00	28.90	9.33
	41	15.31	4.43	17.99	5.72	20.75	6.76	22.40	7.37	23.48	7.99	25.74	9.23	27.72	9.95
	43	15.31	4.72	17.99	5.72	20.75	7.30	22.40	7.83	23.48	8.37	24.56	9.64	27.12	10.16
	-5	13.39	2.00	15.74	2.38	18.16	2.67	19.60	2.98	20.52	3.10	22.88	3.52	25.35	3.79
	0	13.39	2.03	15.74	2.41	18.16	2.71	19.60	3.03	20.52	3.15	22.88	3.57	25.35	3.86
	5	13.39	2.08	15.74	2.46	18.16	2.77	19.60	3.09	20.52	3.22	22.88	3.64	25.35	3.94
	10	13.39	2.11	15.74	2.50	18.16	2.89	19.60	3.11	20.52	3.31	22.88	3.73	25.35	4.16
	15	13.39	2.21	15.74	2.61	18.16	3.03	19.60	3.23	20.52	3.46	22.88	3.90	25.35	4.36
60%	20	13.39	2.30	15.74	2.72	18.16	3.16	19.60	3.39	20.52	3.61	22.88	4.08	25.35	4.60
	25	13.39	2.42	15.74	2.94	18.16	3.52	19.60	3.82	20.52	4.13	22.88	4.80	25.35	5.50
	30	13.39	2.85	15.74	3.46	18.16	4.15	19.60	4.51	20.52	4.89	22.88	5.68	25.35	6.51
	35	13.39	3.33	15.74	4.06	18.16	4.87	19.60	5.29	20.52	5.73	22.88	6.67	25.35	7.69
	41	13.39	3.80	15.74	4.72	18.16	5.69	19.60	6.18	20.52	6.68	22.88	7.69	25.35	8.92
	43	13.39	4.07	15.74	5.12	18.16	6.15	19.60	6.74	20.52	7.24	21.70	8.10	24.76	9.33
	-5	11.48	1.71	13.49	2.03	15.56	2.32	16.80	2.51	17.56	2.62	19.63	2.86	21.70	3.16
	0	11.48	1.74	13.49	2.06	15.56	2.36	16.80	2.55	17.56	2.68	19.63	2.91	21.70	3.22
	5	11.48	1.80	13.49	2.11	15.56	2.42	16.80	2.62	17.56	2.75	19.63	2.99	21.70	3.30
50%	10	11.48	1.83	13.49	2.14	15.56	2.46	16.80	2.73	17.56	2.81	19.63	3.16	21.70	3.52
	15	11.48	1.90	13.49	2.23	15.56	2.56	16.80	2.75	17.56	2.93	19.63	3.29	21.70	3.67
	20	11.48	1.98	13.49	2.33	15.56	2.68	16.80	2.87	17.56	3.06	19.63	3.45	21.70	3.84
	25	11.48	2.06	13.49	2.45	15.56	2.89	16.80	3.14	17.56	3.39	19.63	3.91	21.70	4.45
	30	11.48	2.39	13.49	2.89	15.56	4.36	16.80	3.70	17.56	3.98	19.63	4.61	21.70	5.26
	35	11.48	2.78	13.49	3.36	15.56	4.01	16.80	4.34	17.56	4.69	19.63	5.41	21.70	6.18
	41	11.48	3.23	13.49	2.95	15.56	4.61	16.80	4.75	17.56	5.44	19.63	6.30	21.70	7.21
	43	11.48	3.52	13.49	3.23	15.56	4.80	16.80	5.21	17.56	5.91	19.63	6.86	21.70	7.37
	-5	9.57	1.45	11.24	1.69	12.97	1.93	14.00	2.07	14.60	2.15	16.37	2.39	18.05	2.67
	0	9.57	1.48	11.24	1.72	12.97	1.97	14.00	2.11	14.60	2.20	16.37	2.44	18.05	2.73
	5	9.57	1.53	11.24	1.77	12.97	2.03	14.00	2.17	14.60	2.28	16.37	2.51	18.05	2.81
	10	9.57	1.55	11.24	1.80	12.97	2.06	14.00	2.20	14.60	2.33	16.37	2.61	18.05	2.89
	15	9.57	1.60	11.24	1.87	12.97	2.13	14.00	2.28	14.60	2.42	16.37	2.71	18.05	3.01
	20	9.57	1.66	11.24	1.94	12.97	2.23	14.00	2.38	14.60	2.53	16.37	2.83	18.05	3.15
	25	9.57	1.73	11.24	2.02	12.97	2.34	14.00	2.51	14.60	2.70	16.37	3.10	18.05	3.50
	30	9.57	1.97	11.24	2.34	12.97	2.75	14.00	2.96	14.60	3.19	16.37	3.64	18.05	4.13
	35	9.57	2.29	11.24	2.74	12.97	3.22	14.00	3.46	14.60	3.72	16.37	4.27	18.05	4.84
	41	9.57	2.67	11.24	3.17	12.97	3.71	14.00	4.00	14.60	4.33	16.37	5.11	18.05	5.70
	43	9.57	2.94	11.24	3.46	12.97	4.01	14.00	4.56	14.60	4.69	16.37	5.39	18.05	6.35
TC: total capacity, kW															
PI: power input, kW (compressor+outdoor motor)															

		YCV335HR													
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	30.04	4.10	35.49	4.93	40.85	5.66	43.62	6.31	45.41	6.22	46.70	5.63	47.49	5.50
	0	30.04	4.13	35.49	4.96	40.85	5.70	43.62	6.34	45.41	6.27	46.70	5.68	47.49	5.55
	5	30.04	4.18	35.49	5.00	40.85	5.76	43.62	6.40	45.41	6.33	46.70	5.75	47.49	5.63
	10	30.04	4.25	35.49	5.09	40.85	5.96	43.62	6.38	44.12	6.27	45.11	5.99	46.10	5.72
	15	30.04	4.43	35.49	5.32	40.85	6.21	42.14	6.37	42.73	6.31	43.62	6.34	44.81	6.35
	20	30.04	4.66	35.49	5.88	40.45	7.10	40.85	7.12	41.34	7.16	42.34	7.22	43.33	7.29
	25	30.04	5.57	35.49	7.04	38.96	7.99	39.36	8.03	39.96	8.08	41.05	8.17	42.04	8.26
	30	30.04	6.60	35.49	7.80	37.58	8.90	38.07	8.96	38.67	9.00	39.56	9.09	40.75	9.18
	35	30.04	7.71	35.20	9.73	36.29	9.82	36.78	9.91	37.18	9.91	38.17	10.01	39.26	10.10
	41	30.04	9.00	34.01	10.56	35.00	10.74	35.39	10.70	35.99	10.74	36.88	10.74	38.07	10.74
120%	43	30.04	9.73	33.21	10.74	34.11	10.83	34.70	10.86	35.30	10.92	36.19	11.00	37.18	11.20
	-5	27.76	3.74	32.72	4.42	37.77	5.18	40.15	5.60	43.23	6.00	45.71	6.13	46.60	5.85
	0	27.76	3.77	32.72	4.45	37.77	5.21	40.15	5.64	43.23	6.05	45.71	6.18	46.60	5.90
	5	27.76	3.82	32.72	4.50	37.77	5.27	40.15	5.69	43.23	6.11	45.71	6.24	46.60	5.98
	10	27.76	3.88	32.72	4.66	37.77	5.45	40.15	5.85	42.63	6.24	44.42	6.20	45.31	5.95
	15	27.76	4.07	32.72	4.87	37.77	5.69	40.15	6.10	42.14	6.39	43.03	6.28	43.92	6.32
	20	27.76	4.25	32.72	5.25	37.77	6.44	40.15	7.07	40.75	7.11	41.54	7.17	42.43	7.24
	25	27.76	4.99	32.72	6.28	37.77	7.71	38.77	7.99	39.36	7.99	40.25	8.08	41.15	8.17
	30	27.76	5.91	32.72	7.44	36.88	8.81	37.48	8.92	38.07	9.00	38.77	9.00	39.66	9.09
	35	27.76	6.93	32.72	8.72	35.59	9.73	36.19	9.82	36.58	9.82	37.48	9.91	38.37	10.01
110%	41	27.76	8.08	32.72	10.01	34.21	10.74	34.70	10.70	35.30	10.74	36.19	10.74	37.08	10.74
	43	27.76	8.81	32.72	10.65	33.51	10.83	33.91	10.80	34.40	10.83	35.30	10.83	36.29	10.83
	-5	25.38	3.39	30.04	4.02	34.50	4.69	36.78	5.08	39.06	5.47	45.01	6.32	46.00	6.07
	0	25.38	3.41	30.04	4.05	34.50	4.73	36.78	5.12	39.06	5.52	45.01	6.37	46.00	6.13
	5	25.38	3.46	30.04	4.09	34.50	4.78	36.78	5.18	39.06	5.58	45.01	6.44	46.00	6.21
	10	25.38	3.53	30.04	4.24	34.50	4.96	36.78	5.32	39.06	5.68	43.62	6.40	44.52	6.17
	15	25.38	3.70	30.04	4.42	34.50	5.18	36.78	5.55	39.06	5.92	42.14	6.37	43.03	6.27
	20	25.38	3.86	30.04	4.65	34.50	5.67	36.78	6.22	39.06	6.78	40.85	7.13	41.74	7.18
	25	25.38	4.44	30.04	5.56	34.50	6.78	36.78	7.44	38.07	7.99	38.96	8.08	39.86	8.08
	30	25.38	5.25	30.04	6.58	34.50	8.17	36.78	8.79	37.08	8.90	38.07	9.00	38.96	9.00
100%	35	25.38	6.16	30.04	7.74	34.50	8.90	35.39	9.72	35.89	9.82	36.78	9.91	37.58	10.01
	41	25.38	7.20	30.04	9.09	33.51	9.64	34.11	10.50	34.50	10.47	35.30	10.56	36.29	10.56
	43	25.38	7.80	30.04	9.82	32.62	10.37	33.31	10.60	33.81	10.56	34.50	10.74	35.39	10.74
	-5	23.10	3.06	27.26	3.62	31.33	4.24	33.50	4.81	35.59	4.86	39.66	5.56	45.11	6.29
	0	23.10	3.08	27.26	3.64	31.33	4.28	33.50	4.85	35.59	4.91	39.66	5.61	45.11	6.34
	5	23.10	3.13	27.26	3.69	31.33	4.33	33.50	4.90	35.59	4.98	39.66	5.67	45.11	6.42
	10	23.10	3.19	27.26	3.82	31.33	4.45	33.50	4.78	35.59	5.11	39.66	5.77	43.62	6.39
	15	23.10	3.32	27.26	3.98	31.33	4.65	33.50	5.00	35.59	5.33	39.66	6.02	42.14	6.35
	20	23.10	3.49	27.26	4.17	31.33	4.96	33.50	5.43	35.59	5.91	39.66	6.95	40.85	7.13
	25	23.10	3.92	27.26	4.87	31.33	5.92	33.50	6.49	35.59	7.07	38.77	7.99	39.56	8.08
	30	23.10	4.63	27.26	5.72	31.33	7.02	33.50	7.58	35.59	8.35	37.38	8.90	38.07	9.00
	35	23.10	5.43	27.26	6.77	31.33	8.26	33.50	9.18	35.30	9.73	35.99	9.82	36.78	9.91
	41	23.10	6.33	27.26	7.89	31.33	9.62	33.02	10.02	33.91	10.37	34.70	10.56	35.39	10.37
	43	23.10	7.06	27.26	8.54	31.33	10.41	32.55	10.41	33.11	10.74	33.91	10.74	34.70	10.56

Capacity table

To be continued

Continued

Capacity Factor (%)	Outdoor Temp (°C WB)	YCV335HR Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	20.79	2.73	24.54	3.28	28.20	3.80	30.15	4.05	32.02	4.40	35.69	4.87	39.36	5.44
	0	20.79	2.76	24.54	3.30	28.20	3.84	30.15	4.08	32.02	4.45	35.69	4.92	39.36	5.50
	5	20.79	2.81	24.54	3.35	28.20	3.89	30.15	4.14	32.02	4.52	35.69	4.98	39.36	5.57
	10	20.79	2.85	24.54	3.41	28.20	3.97	30.15	4.26	32.02	4.55	35.69	5.14	39.36	5.73
	15	20.79	2.97	24.54	3.55	28.20	4.14	30.15	4.43	32.02	4.76	35.69	5.37	39.36	5.99
	20	20.79	3.11	24.54	3.72	28.20	4.33	30.15	4.68	32.02	5.09	35.69	5.96	39.36	6.88
	25	20.79	3.42	24.54	4.24	28.20	5.12	30.15	5.59	32.02	6.09	35.69	7.12	38.67	7.99
	30	20.79	4.04	24.54	5.00	28.20	6.06	30.15	6.62	32.02	7.21	35.69	8.45	37.38	8.90
	35	20.79	4.73	24.54	5.87	28.20	7.12	30.15	7.78	32.02	8.45	35.30	9.73	35.99	9.82
80%	41	20.79	5.44	24.54	6.84	28.20	8.26	30.15	9.09	32.02	9.73	33.91	10.56	34.40	10.56
	43	20.79	5.65	24.54	7.43	28.20	8.81	30.15	9.52	32.02	10.01	33.11	10.74	33.61	10.74
	-5	18.48	2.42	21.81	2.88	25.06	3.34	26.80	3.62	28.36	3.77	31.73	4.29	35.10	4.62
	0	18.48	2.45	21.81	2.91	25.06	3.38	26.80	3.66	28.36	3.82	31.73	4.33	35.10	4.68
	5	18.48	2.50	21.81	2.96	25.06	3.43	26.80	3.72	28.36	3.88	31.73	4.40	35.10	4.76
	10	18.48	2.53	21.81	3.00	25.06	3.50	26.80	3.81	28.36	3.99	31.73	4.52	35.10	5.03
	15	18.48	2.63	21.81	3.13	25.06	3.65	26.80	3.90	28.36	4.17	31.73	4.72	35.10	5.26
	20	18.48	2.74	21.81	3.27	25.06	3.81	26.80	4.09	28.36	4.37	31.73	5.03	35.10	5.80
	25	18.48	2.96	21.81	3.64	25.06	4.37	26.80	4.76	28.36	5.16	31.73	6.02	35.10	6.93
70%	30	18.48	3.49	21.81	4.29	25.06	5.16	26.80	5.63	28.36	6.11	31.73	7.13	35.10	8.26
	35	18.48	4.09	21.81	5.02	25.06	6.06	26.80	6.61	28.36	7.18	31.73	8.35	35.10	9.73
	41	18.48	4.62	21.81	5.98	25.06	7.05	26.80	7.68	28.36	8.35	31.73	9.64	33.51	10.37
	43	18.48	4.93	21.81	5.98	25.06	7.62	26.80	8.16	28.36	8.72	31.73	10.01	31.92	10.56
	-5	16.17	2.09	19.09	2.50	21.93	2.79	23.45	3.13	24.89	3.25	27.76	3.69	30.74	3.98
	0	16.17	2.12	19.09	2.52	21.93	2.83	23.45	3.17	24.89	3.29	27.76	3.74	30.74	4.04
	5	16.17	2.17	19.09	2.57	21.93	2.88	23.45	3.22	24.89	3.36	27.76	3.80	30.74	4.11
	10	16.17	2.21	19.09	2.61	21.93	3.02	23.45	3.24	24.89	3.45	27.76	3.89	30.74	4.35
	15	16.17	2.30	19.09	2.72	21.93	3.16	23.45	3.38	24.89	3.60	27.76	4.07	30.74	4.54
60%	20	16.17	2.40	19.09	2.84	21.93	3.30	23.45	3.53	24.89	3.76	27.76	4.26	30.74	4.80
	25	16.17	2.52	19.09	3.08	21.93	3.67	23.45	3.98	24.89	4.31	27.76	5.00	30.74	5.74
	30	16.17	2.97	19.09	3.61	21.93	4.33	23.45	4.71	24.89	5.10	27.76	5.92	30.74	6.80
	35	16.17	3.47	19.09	4.24	21.93	5.09	23.45	5.53	24.89	5.99	27.76	6.96	30.74	7.99
	41	16.17	3.96	19.09	4.93	21.93	5.94	23.45	6.44	24.89	6.97	27.76	8.08	30.74	9.36
	43	16.17	4.25	19.09	5.33	21.93	6.43	23.45	7.03	24.89	7.56	27.76	8.45	30.74	9.73
	-5	13.86	1.80	16.36	2.14	18.80	2.43	20.10	2.63	21.42	2.75	23.79	3.00	26.27	3.31
	0	13.86	1.83	16.36	2.17	18.80	2.47	20.10	2.67	21.42	2.80	23.79	3.05	26.27	3.37
	5	13.86	1.87	16.36	2.21	18.80	2.52	20.10	2.73	21.42	2.86	23.79	3.11	26.27	3.44
50%	10	13.86	1.91	16.36	2.24	18.80	2.57	20.10	2.85	21.42	2.94	23.79	3.30	26.27	3.67
	15	13.86	1.98	16.36	2.32	18.80	2.68	20.10	2.86	21.42	3.07	23.79	3.43	26.27	3.83
	20	13.86	2.07	16.36	2.42	18.80	2.80	20.10	2.99	21.42	3.19	23.79	3.59	26.27	4.00
	25	13.86	2.15	16.36	2.55	18.80	3.02	20.10	3.28	21.42	3.53	23.79	4.08	26.27	4.65
	30	13.86	2.50	16.36	3.01	18.80	4.54	20.10	3.86	21.42	4.15	23.79	4.81	26.27	5.49
	35	13.86	2.90	16.36	3.52	18.80	4.18	20.10	4.53	21.42	4.88	23.79	5.65	26.27	6.44
	41	13.86	3.38	16.36	3.08	18.80	4.81	20.10	4.96	21.42	5.67	23.79	6.57	26.27	7.53
	43	13.86	3.67	16.36	3.38	18.80	5.00	20.10	5.43	21.42	6.16	23.79	7.16	26.27	7.68
	-5	11.55	1.51	13.63	1.77	15.66	2.03	16.75	2.17	17.75	2.27	19.83	2.51	21.91	2.81
50%	0	11.55	1.54	13.63	1.80	15.66	2.06	16.75	2.21	17.75	2.31	19.83	2.56	21.91	2.86
	5	11.55	1.59	13.63	1.85	15.66	2.12	16.75	2.27	17.75	2.38	19.83	2.63	21.91	2.94
	10	11.55	1.62	13.63	1.87	15.66	2.15	16.75	2.29	17.75	2.42	19.83	2.72	21.91	3.01
	15	11.55	1.67	13.63	1.95	15.66	2.23	16.75	2.38	17.75	2.52	19.83	2.83	21.91	3.14
	20	11.55	1.74	13.63	2.02	15.66	2.32	16.75	2.49	17.75	2.64	19.83	2.96	21.91	3.29
	25	11.55	1.81	13.63	2.11	15.66	2.43	16.75	2.63	17.75	2.82	19.83	3.23	21.91	3.65
	30	11.55	2.06	13.63	2.44	15.66	2.86	16.75	3.09	17.75	3.32	19.83	3.80	21.91	4.31
	35	11.55	2.39	13.63	2.85	15.66	3.36	16.75	3.61	17.75	3.88	19.83	4.45	21.91	5.05
	41	11.55	2.78	13.63	3.30	15.66	3.87	16.75	4.17	17.75	4.52	19.83	5.32	21.91	5.95
	43	11.55	3.08	13.63	3.60	15.66	4.18	16.75	4.76	17.75	4.89	19.83	5.62	21.91	6.62
TC: total capacity, kW															
PI: power input, kW (compressor+outdoor motor)															

		YCV400HR													
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	36.03	5.64	42.50	6.93	48.96	8.17	52.35	9.27	54.44	9.01	56.03	8.17	56.93	7.30
	0	36.03	5.67	42.50	6.96	48.96	8.21	52.35	9.31	54.44	9.06	56.03	8.22	56.93	7.37
	5	36.03	5.73	42.50	7.01	48.96	8.28	52.35	9.38	54.44	9.14	56.03	8.30	56.93	7.46
	10	36.03	6.03	42.50	7.35	48.96	8.69	52.35	9.35	52.85	9.18	54.04	8.76	55.33	8.33
	15	36.03	6.34	42.50	7.69	48.96	9.10	50.56	9.34	51.25	9.24	52.35	9.23	53.74	9.27
	20	36.03	6.68	42.50	8.59	48.47	10.48	48.96	10.52	49.46	10.57	50.76	10.68	51.95	10.78
	25	36.03	8.10	42.50	10.39	46.68	11.87	47.17	11.98	47.87	11.98	49.16	12.08	50.36	12.19
	30	36.03	9.61	42.50	12.41	45.08	13.38	45.58	13.38	46.28	13.38	47.37	13.49	48.76	14.03
	35	36.03	11.54	42.20	14.57	43.49	14.78	43.99	14.78	44.59	14.89	45.78	15.00	47.07	15.21
	41	36.03	12.95	40.80	15.54	41.90	15.75	42.50	15.86	43.19	15.97	44.19	16.29	45.58	16.40
	43	36.03	14.13	39.81	16.08	40.90	16.29	41.60	16.62	42.30	16.83	43.29	17.07	44.59	17.86
120%	-5	33.24	5.24	39.21	6.27	45.28	7.03	48.07	7.99	51.75	8.67	54.74	8.80	55.83	8.11
	0	33.24	5.28	39.21	6.30	45.28	7.08	48.07	8.04	51.75	8.73	54.74	8.86	55.83	8.18
	5	33.24	5.33	39.21	6.36	45.28	7.14	48.07	8.10	51.75	8.80	54.74	8.93	55.83	8.26
	10	33.24	5.47	39.21	6.68	45.28	7.90	48.07	8.51	51.05	9.14	53.24	9.06	54.24	8.67
	15	33.24	5.74	39.21	7.01	45.28	8.31	48.07	8.93	50.56	9.38	51.65	9.20	52.65	9.08
	20	33.24	6.03	39.21	7.60	45.28	9.44	48.07	10.42	48.76	10.51	49.86	10.60	50.95	10.69
	25	33.24	7.20	39.21	9.20	45.28	11.42	46.48	11.87	47.17	11.87	48.27	12.08	49.36	12.08
	30	33.24	8.45	39.21	11.01	44.19	13.16	44.88	13.27	45.58	13.38	46.48	13.49	47.57	13.59
	35	33.24	10.23	39.21	13.06	42.59	14.67	43.29	14.67	43.89	14.78	44.88	14.89	45.98	15.11
	41	33.24	11.65	39.21	15.21	41.00	15.54	41.60	15.64	42.30	15.64	43.29	16.29	44.39	16.29
	43	33.24	12.52	39.21	15.97	40.21	16.08	40.70	16.29	41.20	16.62	42.30	16.94	43.49	17.14
110%	-5	30.45	4.59	36.03	5.64	41.40	6.68	43.99	7.26	46.87	7.73	53.94	9.30	55.13	8.73
	0	30.45	4.63	36.03	5.67	41.40	6.72	43.99	7.30	46.87	7.79	53.94	9.35	55.13	8.79
	5	30.45	4.68	36.03	5.73	41.40	6.79	43.99	7.37	46.87	7.87	53.94	9.43	55.13	8.88
	10	30.45	4.92	36.03	6.02	41.40	7.13	43.99	7.69	46.87	8.26	52.35	9.38	53.34	9.03
	15	30.45	5.16	36.03	6.31	41.40	7.48	43.99	8.02	46.87	8.65	50.56	9.32	51.65	9.18
	20	30.45	5.44	36.03	6.65	41.40	8.26	43.99	9.10	46.87	9.99	48.96	10.52	50.06	10.61
	25	30.45	6.34	36.03	8.07	41.40	9.99	43.99	11.86	45.58	12.41	46.68	12.52	47.77	12.62
	30	30.45	7.61	36.03	9.67	41.40	11.98	43.99	13.06	44.39	13.27	45.58	13.38	46.68	13.49
	35	30.45	9.01	36.03	11.47	41.40	14.24	42.50	14.57	42.99	14.67	43.99	14.78	45.08	15.00
	41	30.45	10.46	36.03	13.38	40.21	15.75	40.90	15.86	41.40	15.75	42.30	16.08	43.49	16.40
	43	30.45	11.33	36.03	14.24	39.11	15.64	40.01	16.08	40.50	16.51	41.40	16.72	42.50	17.05
100%	-5	27.67	4.26	32.64	5.02	37.52	6.03	40.00	6.44	42.59	6.88	47.57	7.85	54.04	9.28
	0	27.67	4.29	32.64	5.05	37.52	6.07	40.00	6.48	42.59	6.94	47.57	7.91	54.04	9.34
	5	27.67	4.35	32.64	5.10	37.52	6.14	40.00	6.55	42.59	7.01	47.57	7.98	54.04	9.43
	10	27.67	4.39	32.64	5.36	37.52	6.36	40.00	6.87	42.59	7.37	47.57	8.39	52.35	9.38
	15	27.67	4.60	32.64	5.62	37.52	6.67	40.00	7.20	42.59	7.73	47.57	8.80	50.56	9.32
	20	27.67	4.83	32.64	5.91	37.52	7.13	40.00	7.87	42.59	8.62	47.57	10.23	48.96	10.52
	25	27.67	5.51	32.64	7.01	37.52	8.65	40.00	9.53	42.59	10.43	46.48	11.87	47.37	11.98
	30	27.67	6.60	32.64	8.39	37.52	10.35	40.00	11.39	42.59	12.41	44.78	13.27	45.58	13.38
	35	27.67	7.87	32.64	9.97	37.52	12.29	40.00	12.30	42.30	14.57	43.19	14.67	43.99	14.78
	41	27.67	9.10	32.64	11.44	37.52	14.27	39.62	15.08	40.70	15.86	41.60	15.97	42.50	16.08
	43	27.67	9.97	32.64	12.41	37.52	15.15	39.33	15.70	39.61	16.08	40.70	16.40	41.60	16.72

To be continued

		YCV450HR													
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	41.97	6.29	49.60	7.72	57.12	9.11	60.94	10.33	63.41	10.05	65.27	9.11	66.61	8.15
	0	41.97	6.32	49.60	7.75	57.12	9.15	60.94	10.37	63.41	10.10	65.27	9.16	66.61	8.22
	5	41.97	6.38	49.60	7.81	57.12	9.22	60.94	10.44	63.41	10.18	65.27	9.24	66.61	8.30
	10	41.97	6.72	49.60	8.19	57.12	9.68	60.94	10.43	61.56	10.23	63.00	9.75	64.75	9.28
	15	41.97	7.06	49.60	8.58	57.12	10.13	58.88	10.41	59.70	10.29	60.94	10.27	62.90	10.32
	20	41.97	7.45	49.60	9.56	56.50	11.66	57.12	11.72	57.74	11.77	59.08	11.89	60.84	12.01
	25	41.97	9.03	49.60	11.56	54.44	13.26	55.06	13.26	55.89	13.36	57.33	13.47	58.98	13.68
	30	41.97	10.71	49.60	13.86	52.59	14.94	53.21	14.94	54.03	14.94	55.27	15.05	57.12	15.57
	35	41.97	12.84	49.18	16.20	50.73	16.41	51.35	16.52	51.97	16.63	53.41	16.73	55.06	16.94
	41	41.97	14.52	47.53	17.36	48.87	17.57	49.49	17.68	50.32	17.78	51.56	18.10	53.41	18.31
120%	43	41.97	15.68	46.40	17.89	47.64	18.20	48.46	18.52	49.29	18.73	50.52	19.00	52.17	19.28
	-5	38.77	5.85	45.68	7.00	52.79	7.86	56.09	8.92	60.32	9.68	63.83	9.82	65.37	9.05
	0	38.77	5.88	45.68	7.03	52.79	7.90	56.09	8.96	60.32	9.73	63.83	9.87	65.37	9.11
	5	38.77	5.93	45.68	7.08	52.79	7.97	56.09	9.03	60.32	9.81	63.83	9.94	65.37	9.20
	10	38.77	6.09	45.68	7.45	52.79	8.80	56.09	9.49	59.50	10.18	61.97	10.10	63.52	9.66
	15	38.77	6.40	45.68	7.81	52.79	9.26	56.09	9.94	58.88	10.44	60.11	10.25	61.66	10.12
	20	38.77	6.72	45.68	8.46	52.79	10.52	56.09	11.61	56.92	11.70	58.05	11.80	59.60	11.91
	25	38.77	8.02	45.68	10.25	52.79	12.71	54.24	13.26	55.06	13.26	56.30	13.36	57.74	13.47
	30	38.77	9.41	45.68	12.26	51.56	14.73	52.38	14.84	53.21	14.84	54.24	15.05	55.68	15.15
	35	38.77	11.40	45.68	14.54	49.70	16.31	50.52	16.41	51.14	16.52	52.38	16.63	53.82	16.84
110%	41	38.77	13.05	45.68	16.94	47.84	17.36	48.46	17.36	49.29	17.36	50.52	18.10	51.97	18.10
	43	38.77	13.99	45.68	17.78	46.81	17.89	47.43	18.20	48.05	18.52	49.29	18.84	50.94	19.10
	-5	35.47	5.12	41.97	6.29	48.26	7.45	51.35	8.10	54.65	8.64	62.79	10.37	64.55	9.74
	0	35.47	5.16	41.97	6.32	48.26	7.49	51.35	8.14	54.65	8.69	62.79	10.43	64.55	9.81
	5	35.47	5.21	41.97	6.38	48.26	7.56	51.35	8.21	54.65	8.77	62.79	10.50	64.55	9.89
	10	35.47	5.48	41.97	6.70	48.26	7.94	51.35	8.58	54.65	9.20	60.94	10.44	62.49	10.06
	15	35.47	5.75	41.97	7.03	48.26	8.32	51.35	8.93	54.65	9.64	58.88	10.39	60.42	10.23
	20	35.47	6.05	41.97	7.41	48.26	9.20	51.35	10.13	54.65	11.13	57.12	11.72	58.57	11.82
	25	35.47	7.06	41.97	8.99	48.26	11.13	51.35	13.21	53.21	13.78	54.44	13.89	55.89	14.10
	30	35.47	8.48	41.97	10.76	48.26	13.36	51.35	14.63	51.76	14.73	53.21	14.94	54.65	15.05
100%	35	35.47	10.04	41.97	12.77	48.26	15.78	49.49	16.31	50.11	16.31	51.35	16.52	52.79	16.63
	41	35.47	11.65	41.97	14.87	46.81	17.57	47.64	17.68	48.26	17.57	49.29	17.99	50.94	18.31
	43	35.47	12.63	41.97	15.89	45.58	17.47	46.61	17.89	47.22	18.41	48.26	18.62	49.70	19.05
	-5	32.27	4.77	38.05	5.61	43.72	6.72	45.00	7.19	49.70	7.68	55.47	8.76	63.31	10.35
	0	32.27	4.80	38.05	5.64	43.72	6.77	45.00	7.23	49.70	7.73	55.47	8.82	63.31	10.42
	5	32.27	4.85	38.05	5.69	43.72	6.83	45.00	7.29	49.70	7.81	55.47	8.89	63.31	10.50
	10	32.27	4.88	38.05	5.98	43.72	7.08	45.00	7.65	49.70	8.21	55.47	9.35	61.25	10.44
	15	32.27	5.11	38.05	6.26	43.72	7.43	45.00	8.02	49.70	8.61	55.47	9.81	59.19	10.39
	20	32.27	5.39	38.05	6.59	43.72	7.94	45.00	8.77	49.70	9.61	55.47	11.40	57.33	11.72
	25	32.27	6.15	38.05	7.81	43.72	9.64	45.00	10.62	49.70	11.63	54.24	13.15	55.47	13.26
	30	32.27	7.34	38.05	9.35	43.72	11.53	45.00	12.69	49.70	13.78	52.17	14.73	53.41	14.94
	35	32.27	8.77	38.05	11.11	43.72	13.69	45.00	14.10	49.29	16.20	50.32	16.41	51.56	16.52
	41	32.27	10.13	38.05	12.80	43.72	15.90	44.80	16.84	47.43	17.68	48.46	17.78	49.70	17.99
	43	32.27	11.11	38.05	13.76	43.72	16.88	44.50	17.47	46.19	17.89	47.43	18.31	48.67	18.62

To be continued

Continued

YCV450HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	29.05	3.98	34.24	4.91	39.35	5.85	40.50	6.31	44.75	6.74	49.91	7.75	55.27	8.71
	0	29.05	4.01	34.24	4.95	39.35	5.89	40.50	6.36	44.75	6.80	49.91	7.81	55.27	8.78
	5	29.05	4.06	34.24	5.00	39.35	5.96	40.50	6.42	44.75	6.87	49.91	7.88	55.27	8.86
	10	29.05	4.29	34.24	5.25	39.35	6.24	40.50	6.73	44.75	7.24	49.91	8.27	55.27	9.30
	15	29.05	4.52	34.24	5.49	39.35	6.52	40.50	7.06	44.75	7.60	49.91	8.65	55.27	9.73
	20	29.05	4.76	34.24	5.79	39.35	6.87	40.50	7.46	44.75	8.17	49.91	9.68	55.27	11.28
	25	29.05	5.29	34.24	6.70	39.35	8.23	40.50	9.05	44.75	9.91	49.91	11.72	54.24	13.15
	30	29.05	6.36	34.24	8.04	39.35	9.87	40.50	10.84	44.75	11.86	49.91	14.10	52.38	14.73
	35	29.05	7.56	34.24	9.52	39.35	11.70	40.50	12.84	44.75	14.10	49.29	16.20	50.52	16.31
	41	29.05	8.70	34.24	11.04	39.35	13.57	40.50	13.99	44.75	16.31	47.43	17.57	48.26	17.78
	43	29.05	9.70	34.24	11.72	39.35	14.52	40.50	15.68	44.75	16.63	46.19	17.15	47.22	18.31
80%	-5	25.82	3.48	30.44	4.27	34.98	5.03	36.00	5.45	39.59	5.85	44.34	6.70	49.29	7.52
	0	25.82	3.51	30.44	4.30	34.98	5.07	36.00	5.49	39.59	5.90	44.34	6.75	49.29	7.59
	5	25.82	3.57	30.44	4.36	34.98	5.13	36.00	5.56	39.59	5.98	44.34	6.83	49.29	7.67
	10	25.82	3.75	30.44	4.57	34.98	5.40	36.00	5.84	39.59	6.28	44.34	7.18	49.29	8.07
	15	25.82	3.91	30.44	4.78	34.98	5.67	36.00	6.12	39.59	6.59	44.34	7.52	49.29	8.48
	20	25.82	4.12	30.44	5.02	34.98	5.96	36.00	6.43	39.59	6.93	44.34	8.07	49.29	9.80
	25	25.82	4.48	30.44	5.65	34.98	6.93	36.00	7.60	39.59	8.30	44.34	9.80	49.29	12.26
	30	25.82	5.40	30.44	6.80	34.98	8.30	36.00	9.12	39.59	9.94	44.34	11.72	49.29	13.68
	35	25.82	6.43	30.44	8.07	34.98	9.87	36.00	10.83	39.59	11.82	44.34	13.89	49.29	16.10
	41	25.82	7.58	30.44	9.30	34.98	11.40	36.00	12.54	39.59	13.78	44.34	16.20	47.02	17.57
	43	25.82	8.84	30.44	10.15	34.98	12.12	36.00	13.68	39.59	15.15	44.34	16.73	44.75	17.99
70%	-5	22.59	2.95	26.63	3.60	30.60	4.26	31.50	4.61	34.75	4.97	38.77	5.69	43.10	4.51
	0	22.59	2.98	26.63	3.63	30.60	4.30	31.50	4.65	34.75	5.02	38.77	5.74	43.10	4.58
	5	22.59	3.03	26.63	3.68	30.60	4.37	31.50	4.71	34.75	5.09	38.77	5.82	43.10	4.66
	10	22.59	3.19	26.63	3.87	30.60	4.60	31.50	4.97	34.75	5.35	38.77	6.11	43.10	6.89
	15	22.59	3.34	26.63	4.06	30.60	4.83	31.50	5.21	34.75	5.60	38.77	6.40	43.10	7.22
	20	22.59	3.51	26.63	4.27	30.60	5.08	31.50	5.48	34.75	5.90	38.77	6.73	43.10	7.67
	25	22.59	3.72	26.63	4.67	30.60	5.70	31.50	6.26	34.75	6.83	38.77	8.04	43.10	9.30
	30	22.59	4.50	26.63	5.63	30.60	6.87	31.50	7.52	34.75	8.19	38.77	9.62	43.10	11.13
	35	22.59	5.39	26.63	6.70	30.60	8.15	31.50	8.93	34.75	9.71	38.77	11.42	43.10	13.26
	41	22.59	6.15	26.63	7.60	30.60	9.41	31.50	10.13	34.75	11.25	38.77	13.26	43.10	15.36
	43	22.59	6.52	26.63	8.00	30.60	10.46	31.50	11.31	34.75	12.16	38.77	14.42	43.10	16.84
60%	-5	19.36	2.43	22.83	2.99	26.23	3.52	27.00	3.85	30.01	4.09	33.30	4.68	36.91	5.27
	0	19.36	2.46	22.83	3.02	26.23	3.57	27.00	3.89	30.01	4.15	33.30	4.73	36.91	5.33
	5	19.36	2.51	22.83	3.07	26.23	3.63	27.00	3.96	30.01	4.22	33.30	4.81	36.91	5.42
	10	19.36	2.65	22.83	3.23	26.23	3.82	27.00	4.12	30.01	4.43	33.30	5.06	36.91	5.70
	15	19.36	2.79	22.83	3.38	26.23	4.01	27.00	4.34	30.01	4.64	33.30	5.30	36.91	6.00
	20	19.36	2.93	22.83	3.55	26.23	4.20	27.00	4.55	30.01	4.88	33.30	5.60	36.91	6.30
	25	19.36	3.07	22.83	3.78	26.23	4.60	27.00	5.02	30.01	5.48	33.30	6.42	36.91	7.41
	30	19.36	3.66	22.83	4.58	26.23	5.56	27.00	6.05	30.01	6.59	33.30	7.69	36.91	8.88
	35	19.36	4.39	22.83	5.46	26.23	6.59	27.00	7.20	30.01	7.83	33.30	9.12	36.91	10.53
	41	19.36	5.00	22.83	6.21	26.23	7.56	27.00	8.27	30.01	9.01	33.30	10.55	36.91	12.22
	43	19.36	5.46	22.83	6.33	26.23	8.25	27.00	9.24	30.01	9.87	33.30	11.34	36.91	13.36
50%	-5	16.14	1.96	19.02	2.43	21.86	2.82	22.50	2.99	24.85	3.23	27.74	3.75	30.73	4.21
	0	16.14	1.99	19.02	2.46	21.86	2.86	22.50	3.03	24.85	3.28	27.74	3.80	30.73	4.27
	5	16.14	2.04	19.02	2.51	21.86	2.93	22.50	3.09	24.85	3.36	27.74	3.87	30.73	4.36
	10	16.14	2.14	19.02	2.60	21.86	3.07	22.50	3.30	24.85	3.55	27.74	4.06	30.73	4.58
	15	16.14	2.23	19.02	2.67	21.86	3.23	22.50	3.47	24.85	3.75	27.74	4.26	30.73	4.81
	20	16.14	2.35	19.02	2.86	21.86	3.38	22.50	3.65	24.85	3.91	27.74	4.48	30.73	5.06
	25	16.14	2.48	19.02	3.00	21.86	3.57	22.50	3.89	24.85	4.24	27.74	4.95	30.73	5.69
	30	16.14	2.90	19.02	3.59	21.86	4.31	22.50	4.71	24.85	5.11	27.74	5.98	30.73	6.83
	35	16.14	3.49	19.02	4.29	21.86	5.18	22.50	5.61	24.85	6.09	27.74	7.08	30.73	8.11
	41	16.14	3.97	19.02	4.57	21.86	5.90	22.50	6.43	24.85	6.99	27.74	8.13	30.73	9.35
	43	16.14	4.43	19.02	5.02	21.86	6.47	22.50	7.01	24.85	7.56	27.74	8.88	30.73	10.22
TC: total capacity, kW															
PI: power input, kW (compressor+outdoor motor)															

YCV560HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	49.71	7.86	58.59	9.44	67.47	10.83	71.41	12.06	73.78	11.90	75.16	10.77	77.13	10.50
	0	49.71	7.92	58.59	9.50	67.47	10.91	71.41	12.14	73.78	12.00	75.16	10.87	77.13	10.63
	5	49.71	8.02	58.59	9.60	67.47	11.04	71.41	12.27	73.78	12.15	75.16	11.02	77.13	10.79
	10	49.71	8.14	58.59	9.77	67.47	11.41	72.20	12.23	72.79	12.02	74.57	11.49	76.15	10.96
	15	49.71	8.49	58.59	10.20	67.47	11.90	70.82	12.21	71.41	12.08	72.20	12.17	73.98	12.19
	20	49.71	8.95	58.59	11.28	66.68	13.60	68.65	13.64	68.26	13.73	70.03	13.85	71.61	13.97
	25	49.71	10.69	58.59	13.50	64.70	15.39	66.28	15.41	66.09	15.47	67.86	15.59	69.24	15.80
	30	49.71	12.66	58.59	14.98	62.14	17.03	62.73	17.17	63.72	17.23	63.52	17.44	66.87	17.64
	35	49.71	14.77	58.00	18.67	60.76	18.88	60.56	19.02	61.55	19.02	63.32	19.29	64.70	19.29
	41	49.71	17.23	57.60	20.31	57.60	20.52	58.59	20.52	59.18	20.52	61.15	20.52	61.94	20.72
	43	49.71	18.67	56.62	20.52	56.42	20.52	57.41	20.70	57.80	20.70	59.97	20.76	60.17	20.80
120%	-5	46.16	7.16	54.05	8.45	62.34	9.89	66.48	10.71	70.43	11.47	74.17	11.71	75.75	11.16
	0	46.16	7.22	54.05	8.51	62.34	9.97	66.48	10.79	70.43	11.57	74.17	11.82	75.75	11.28
	5	46.16	7.32	54.05	8.62	62.34	10.09	66.48	10.91	70.43	11.71	74.17	11.96	75.75	11.45
	10	46.16	7.45	54.05	8.95	62.34	10.46	66.48	11.20	70.43	11.96	73.38	11.88	74.77	11.41
	15	46.16	7.80	54.05	9.36	62.34	10.91	66.48	11.69	69.44	12.25	70.82	12.04	72.40	12.10
	20	46.16	8.14	54.05	10.05	62.34	12.33	66.48	13.56	67.27	13.64	68.65	13.75	70.23	13.87
	25	46.16	9.58	54.05	12.04	62.34	14.77	64.31	15.31	65.10	15.39	66.68	15.59	67.86	15.59
	30	46.16	11.35	54.05	14.28	60.76	17.03	61.75	17.11	62.53	17.17	63.92	17.23	65.69	17.44
	35	46.16	13.29	54.05	16.82	59.58	18.67	59.58	18.81	60.36	18.81	61.94	19.08	63.32	19.29
	41	46.16	15.39	54.05	19.29	56.42	20.52	57.60	20.52	58.39	20.52	58.98	20.52	60.56	20.52
	43	46.16	17.03	54.05	20.52	55.24	20.72	56.42	20.70	57.01	20.70	57.60	20.72	59.58	20.76
110%	-5	42.41	6.48	49.51	7.67	57.21	8.94	60.96	9.72	64.51	10.46	72.99	12.08	74.37	11.61
	0	42.41	6.54	49.51	7.73	57.21	9.03	60.96	9.81	64.51	10.56	72.99	12.19	74.37	11.73
	5	42.41	6.65	49.51	7.84	57.21	9.15	60.96	9.93	64.51	10.71	72.99	12.33	74.37	11.90
	10	42.41	6.77	49.51	8.12	57.21	9.50	60.96	10.20	64.51	10.89	72.00	12.27	73.38	11.84
	15	42.41	7.10	49.51	8.49	57.21	9.93	60.96	10.65	64.51	11.37	69.64	12.21	71.21	12.02
	20	42.41	7.41	49.51	8.92	57.21	10.87	60.96	11.92	64.51	13.01	67.47	13.66	68.85	13.77
	25	42.41	8.51	49.51	10.67	57.21	13.01	60.96	14.28	63.72	15.28	65.10	15.39	66.48	15.59
	30	42.41	10.05	49.51	12.62	57.21	15.59	60.96	16.84	60.96	17.01	62.93	17.23	64.31	17.23
	35	42.41	11.82	49.51	14.83	57.21	17.03	58.59	18.63	59.38	18.81	60.56	19.08	61.94	19.29
	41	42.41	13.81	49.51	17.44	55.83	18.46	56.62	20.15	57.21	20.15	57.80	20.31	59.58	20.31
	43	42.41	14.98	49.51	18.88	54.45	19.90	55.43	20.33	55.83	20.33	56.42	20.52	58.19	20.52
100%	-5	38.27	5.85	44.98	6.91	51.88	8.10	56.00	9.19	58.59	9.29	65.49	10.62	75.55	12.02
	0	38.27	5.91	44.98	6.97	51.88	8.18	56.00	9.27	58.59	9.39	65.49	10.73	75.55	12.14
	5	38.27	6.01	44.98	7.08	51.88	8.31	56.00	9.40	58.59	9.54	65.49	10.87	75.55	12.31
	10	38.27	6.11	44.98	7.32	51.88	8.53	56.00	9.15	58.59	9.81	65.49	11.06	74.37	12.25
	15	38.27	6.38	44.98	7.63	51.88	8.92	56.00	9.60	58.59	10.24	65.49	11.55	72.99	12.19
	20	38.27	6.69	44.98	8.00	51.88	9.50	56.00	10.40	58.59	11.35	65.49	13.32	71.81	13.66
	25	38.27	7.51	44.98	9.36	51.88	11.37	56.00	12.45	58.59	13.56	63.92	15.39	69.24	15.39
	30	38.27	8.88	44.98	10.96	51.88	13.46	56.00	14.55	58.59	16.08	61.55	17.03	66.09	17.23
	35	38.27	10.40	44.98	12.97	51.88	15.84	56.00	15.10	58.19	18.63	59.38	18.88	62.93	19.08
	41	38.27	12.15	44.98	15.18	51.88	18.44	55.62	19.20	56.02	19.96	57.21	20.31	58.39	19.90
	43	38.27	13.54	44.98	16.41	51.88	19.94	54.47	19.94	54.64	20.52	56.22	20.52	57.01	20.31

Continued

YCV560HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	34.44	5.21	40.48	6.26	46.69	7.26	50.40	7.73	53.07	8.41	58.98	9.31	65.10	10.40
	0	34.44	5.27	40.48	6.32	46.69	7.34	50.40	7.82	53.07	8.51	58.98	9.42	65.10	10.52
	5	34.44	5.38	40.48	6.42	46.69	7.47	50.40	7.94	53.07	8.66	58.98	9.56	65.10	10.69
	10	34.44	5.48	40.48	6.52	46.69	7.59	50.40	8.17	53.07	8.72	58.98	9.85	65.10	10.98
	15	34.44	5.70	40.48	6.81	46.69	7.94	50.40	8.49	53.07	9.13	58.98	10.28	65.10	11.47
	20	34.44	5.97	40.48	7.14	46.69	8.31	50.40	8.97	53.07	9.77	58.98	11.41	65.10	13.19
	25	34.44	6.57	40.48	8.12	46.69	9.83	50.40	10.73	53.07	11.65	58.98	13.64	63.92	15.39
	30	34.44	7.76	40.48	9.60	46.69	11.63	50.40	12.70	53.07	13.83	58.98	16.21	61.75	17.03
	35	34.44	9.07	40.48	11.24	46.69	13.64	50.40	14.94	53.07	16.27	58.19	18.67	59.38	18.88
	41	34.44	10.44	40.48	13.11	46.69	15.80	50.40	17.44	53.07	18.63	55.63	20.31	57.21	20.31
	43	34.44	10.81	40.48	14.24	46.69	17.03	50.40	18.26	53.07	19.20	53.26	20.52	56.02	20.52
80%	-5	30.62	4.61	35.98	5.50	41.51	6.38	44.80	6.93	46.95	7.20	52.47	8.18	57.80	8.84
	0	30.62	4.68	35.98	5.56	41.51	6.46	44.80	7.02	46.95	7.30	52.47	8.29	57.80	8.96
	5	30.62	4.78	35.98	5.66	41.51	6.59	44.80	7.14	46.95	7.45	52.47	8.43	57.80	9.13
	10	30.62	4.86	35.98	5.77	41.51	6.69	44.80	7.30	46.95	7.65	52.47	8.66	57.80	9.64
	15	30.62	5.05	35.98	6.01	41.51	7.00	44.80	7.49	46.95	8.00	52.47	9.05	57.80	10.07
	20	30.62	5.27	35.98	6.26	41.51	7.30	44.80	7.84	46.95	8.37	52.47	9.64	57.80	11.12
	25	30.62	5.66	35.98	6.96	41.51	8.37	44.80	9.13	46.95	9.89	52.47	11.55	57.80	13.29
	30	30.62	6.69	35.98	8.23	41.51	9.89	44.80	10.79	46.95	11.71	52.47	13.66	57.80	15.80
	35	30.62	7.82	35.98	9.62	41.51	11.63	44.80	12.68	46.95	13.77	52.47	16.00	57.80	18.67
	41	30.62	8.86	35.98	11.45	41.51	13.52	44.80	14.73	46.95	15.98	51.49	18.46	55.43	19.90
	43	30.62	9.44	35.98	11.45	41.51	14.61	44.80	15.65	46.95	16.74	49.12	19.29	54.25	20.31
70%	-5	26.79	4.00	31.48	4.76	36.32	5.33	39.20	5.97	41.03	6.19	45.77	7.03	50.70	7.59
	0	26.79	4.06	31.48	4.82	36.32	5.41	39.20	6.05	41.03	6.30	45.77	7.14	50.70	7.71
	5	26.79	4.16	31.48	4.92	36.32	5.54	39.20	6.18	41.03	6.44	45.77	7.28	50.70	7.88
	10	26.79	4.23	31.48	5.01	36.32	5.79	39.20	6.22	41.03	6.63	45.77	7.47	50.70	8.33
	15	26.79	4.41	31.48	5.21	36.32	6.05	39.20	6.46	41.03	6.91	45.77	7.80	50.70	8.72
	20	26.79	4.60	31.48	5.44	36.32	6.32	39.20	6.77	41.03	7.22	45.77	8.17	50.70	9.19
	25	26.79	4.84	31.48	5.89	36.32	7.04	39.20	7.63	41.03	8.27	45.77	9.60	50.70	11.00
	30	26.79	5.70	31.48	6.91	36.32	8.31	39.20	9.03	41.03	9.79	45.77	11.37	50.70	13.03
	35	26.79	6.67	31.48	8.12	36.32	9.75	39.20	10.59	41.03	11.47	45.77	13.34	50.70	15.39
	41	26.79	7.59	31.48	9.44	36.32	11.39	39.20	12.35	41.03	13.36	45.77	15.39	50.70	17.85
	43	26.79	8.14	31.48	10.24	36.32	12.31	39.20	13.48	41.03	14.48	43.40	16.21	49.51	18.67
60%	-5	22.96	3.42	26.99	4.06	31.13	4.63	33.60	5.02	35.11	5.25	39.26	5.72	43.40	6.32
	0	22.96	3.49	26.99	4.12	31.13	4.72	33.60	5.11	35.11	5.35	39.26	5.83	43.40	6.44
	5	22.96	3.59	26.99	4.23	31.13	4.84	33.60	5.23	35.11	5.50	39.26	5.97	43.40	6.61
	10	22.96	3.65	26.99	4.29	31.13	4.92	33.60	5.46	35.11	5.62	39.26	6.32	43.40	7.04
	15	22.96	3.80	26.99	4.45	31.13	5.13	33.60	5.50	35.11	5.87	39.26	6.59	43.40	7.34
	20	22.96	3.96	26.99	4.66	31.13	5.35	33.60	5.74	35.11	6.11	39.26	6.89	43.40	7.67
	25	22.96	4.12	26.99	4.90	31.13	5.79	33.60	6.28	35.11	6.77	39.26	7.82	43.40	8.90
	30	22.96	4.78	26.99	5.79	31.13	8.72	33.60	7.41	35.11	7.96	39.26	9.21	43.40	10.52
	35	22.96	5.56	26.99	6.73	31.13	8.02	33.60	8.68	35.11	9.38	39.26	10.81	43.40	12.35
	41	22.96	6.46	26.99	5.91	31.13	9.21	33.60	9.50	35.11	10.87	39.26	12.60	43.40	14.42
	43	22.96	7.04	26.99	6.46	31.13	9.60	33.60	10.42	35.11	11.82	39.26	13.73	43.40	14.73
50%	-5	19.14	2.89	22.49	3.38	25.94	3.85	28.00	4.14	29.20	4.31	32.75	4.78	36.10	5.33
	0	19.14	2.95	22.49	3.45	25.94	3.94	28.00	4.23	29.20	4.41	32.75	4.88	36.10	5.46
	5	19.14	3.06	22.49	3.55	25.94	4.06	28.00	4.35	29.20	4.55	32.75	5.03	36.10	5.62
	10	19.14	3.10	22.49	3.59	25.94	4.12	28.00	4.39	29.20	4.66	32.75	5.21	36.10	5.79
	15	19.14	3.20	22.49	3.73	25.94	4.27	28.00	4.55	29.20	4.84	32.75	5.42	36.10	6.01
	20	19.14	3.32	22.49	3.88	25.94	4.45	28.00	4.76	29.20	5.07	32.75	5.66	36.10	6.30
	25	19.14	3.47	22.49	4.04	25.94	4.68	28.00	5.03	29.20	5.40	32.75	6.20	36.10	7.00
	30	19.14	3.94	22.49	4.68	25.94	5.50	28.00	5.93	29.20	6.38	32.75	7.28	36.10	8.27
	35	19.14	4.58	22.49	5.48	25.94	6.44	28.00	6.91	29.20	7.45	32.75	8.53	36.10	9.68
	41	19.14	5.33	22.49	6.34	25.94	7.43	28.00	8.00	29.20	8.66	32.75	10.22	36.10	11.41
	43	19.14	5.89	22.49	6.91	25.94	8.02	28.00	9.13	29.20	9.38	32.75	10.77	36.10	12.70
TC: total capacity, kW															
PI: power input, kW (compressor+outdoor motor)															

YCV615HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	54.90	8.03	64.79	9.65	74.58	11.08	79.33	12.34	82.30	12.17	84.28	11.02	86.06	10.75
	0	54.90	8.09	64.79	9.71	74.58	11.16	79.33	12.41	82.30	12.27	84.28	11.12	86.06	10.87
	5	54.90	8.19	64.79	9.80	74.58	11.27	79.33	12.53	82.30	12.41	84.28	11.26	86.06	11.02
	10	54.90	8.32	64.79	9.98	74.58	11.66	79.72	12.49	80.52	12.28	82.40	11.74	84.18	11.20
	15	54.90	8.68	64.79	10.41	74.58	12.16	77.55	12.47	78.44	12.35	79.72	12.43	81.80	12.45
	20	54.90	9.14	64.79	11.53	73.79	13.90	75.17	13.95	75.47	14.02	77.35	14.14	79.13	14.27
	25	54.90	10.92	64.79	13.79	71.32	15.68	72.50	15.74	73.00	15.81	74.98	15.97	76.66	16.16
	30	54.90	12.93	64.79	15.29	68.65	17.42	69.44	17.55	70.53	17.61	71.32	17.81	74.19	18.00
	35	54.90	15.10	64.20	19.07	66.67	19.26	67.06	19.42	67.95	19.42	69.83	19.65	71.61	19.74
	41	54.90	17.61	62.81	20.71	63.80	21.00	64.69	20.96	65.58	21.00	67.46	21.00	69.04	21.10
	43	54.90	19.07	61.52	21.00	62.32	21.09	63.40	21.21	64.20	21.27	66.17	21.38	67.26	21.60
120%	-5	50.84	7.32	59.74	8.65	68.94	10.12	73.39	10.95	78.44	11.73	82.79	11.99	84.47	11.42
	0	50.84	7.38	59.74	8.71	68.94	10.20	73.39	11.03	78.44	11.83	82.79	12.08	84.47	11.54
	5	50.84	7.48	59.74	8.81	68.94	10.32	73.39	11.15	78.44	11.97	82.79	12.22	84.47	11.70
	10	50.84	7.61	59.74	9.14	68.94	10.68	73.39	11.45	77.85	12.22	81.11	12.14	82.69	11.65
	15	50.84	7.96	59.74	9.55	68.94	11.15	73.39	11.95	76.86	12.51	78.44	12.30	80.12	12.37
	20	50.84	8.32	59.74	10.28	68.94	12.60	73.39	13.85	74.38	13.94	75.87	14.04	77.55	14.18
	25	50.84	9.78	59.74	12.30	68.94	15.10	70.92	15.64	71.91	15.68	73.59	15.87	75.08	15.97
	30	50.84	11.58	59.74	14.58	67.26	17.33	68.35	17.48	69.34	17.58	70.72	17.61	72.50	17.81
	35	50.84	13.58	59.74	17.13	65.38	19.07	65.98	19.23	66.77	19.23	68.45	19.45	70.03	19.65
	41	50.84	15.77	59.74	19.65	62.41	21.00	63.50	20.96	64.49	21.00	65.68	21.00	67.36	21.00
	43	50.84	17.33	59.74	20.91	61.13	21.19	62.12	21.15	62.91	21.18	64.10	21.19	66.07	21.21
110%	-5	46.59	6.63	54.80	7.86	63.11	9.16	67.26	9.95	71.32	10.70	81.51	12.36	83.19	11.88
	0	46.59	6.69	54.80	7.91	63.11	9.24	67.26	10.02	71.32	10.80	81.51	12.46	83.19	12.00
	5	46.59	6.78	54.80	8.01	63.11	9.36	67.26	10.14	71.32	10.94	81.51	12.60	83.19	12.16
	10	46.59	6.92	54.80	8.30	63.11	9.71	67.26	10.41	71.32	11.13	79.63	12.53	81.21	12.09
	15	46.59	7.25	54.80	8.67	63.11	10.14	67.26	10.88	71.32	11.60	76.95	12.47	78.64	12.28
	20	46.59	7.57	54.80	9.12	63.11	11.11	67.26	12.18	71.32	13.29	74.58	13.96	76.16	14.06
	25	46.59	8.70	54.80	10.90	63.11	13.29	67.26	14.58	69.93	15.63	71.51	15.77	73.10	15.87
	30	46.59	10.28	54.80	12.89	63.11	15.97	67.26	17.21	67.56	17.41	69.54	17.61	71.12	17.61
	35	46.59	12.07	54.80	15.16	63.11	17.42	64.69	19.04	65.58	19.23	67.06	19.45	68.55	19.65
	41	46.59	14.10	54.80	17.81	61.42	18.87	62.41	20.58	63.11	20.54	64.20	20.71	66.07	20.71
	43	46.59	15.29	54.80	19.26	59.84	20.32	61.03	20.77	61.72	20.72	62.71	21.00	64.49	21.00
100%	-5	42.24	5.98	49.75	7.07	57.27	8.29	61.50	9.40	64.89	9.51	72.40	10.87	82.89	12.30
	0	42.24	6.04	49.75	7.13	57.27	8.37	61.50	9.48	64.89	9.61	72.40	10.97	82.89	12.41
	5	42.24	6.14	49.75	7.23	57.27	8.49	61.50	9.60	64.89	9.75	72.40	11.11	82.89	12.57
	10	42.24	6.24	49.75	7.48	57.27	8.72	61.50	9.36	64.89	10.02	72.40	11.29	80.81	12.51
	15	42.24	6.51	49.75	7.80	57.27	9.12	61.50	9.80	64.89	10.45	72.40	11.80	78.63	12.45
	20	42.24	6.83	49.75	8.17	57.27	9.71	61.50	10.63	64.89	11.58	72.40	13.61	76.75	13.96
	25	42.24	7.67	49.75	9.55	57.27	11.60	61.50	12.72	64.89	13.85	70.72	15.68	74.18	15.77
	30	42.24	9.07	49.75	11.20	57.27	13.75	61.50	14.86	64.89	16.40	68.15	17.42	71.11	17.61
	35	42.24	10.63	49.75	13.25	57.27	16.18	61.50	16.73	64.39	19.05	65.68	19.26	68.25	19.45
	41	42.24	12.41	49.75	15.49	57.27	18.84	60.83	19.62	61.92	20.35	63.30	20.71	64.59	20.32
	43	42.24	13.83	49.75	16.74	57.27	20.38	59.78	20.38	60.44	21.00	62.02	21.00	63.21	20.71

YCV680HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	60.88	9.57	71.79	11.64	82.70	13.58	88.05	15.30	91.33	14.96	93.61	13.55	95.49	12.55
	0	60.88	9.63	71.79	11.71	82.70	13.67	88.05	15.38	91.33	15.06	93.61	13.66	95.49	12.68
	5	60.88	9.74	71.79	11.81	82.70	13.79	88.05	15.51	91.33	15.21	93.61	13.81	95.49	12.85
	10	60.88	10.10	71.79	12.23	82.70	14.39	88.45	15.47	89.24	15.19	91.32	14.51	93.41	13.81
	15	60.88	10.59	71.79	12.79	82.70	15.05	85.97	15.45	86.96	15.28	88.45	15.31	90.73	15.36
	20	60.88	11.15	71.79	14.23	81.80	17.28	83.29	17.34	83.59	17.44	85.77	17.61	87.75	17.76
	25	60.88	13.45	71.79	17.14	79.03	19.56	80.31	19.68	80.91	19.71	83.09	19.88	84.98	20.09
	30	60.88	15.94	71.79	19.90	76.15	21.89	76.95	21.97	78.14	22.00	79.13	22.21	82.20	22.85
	35	60.88	18.93	71.20	23.90	73.87	24.22	74.27	24.29	75.36	24.40	77.44	24.64	79.43	24.86
	41	60.88	21.56	69.60	25.69	70.70	26.01	71.79	26.12	72.78	26.23	74.76	26.55	76.55	26.76
120%	43	60.88	23.47	68.12	26.33	69.11	26.55	70.30	26.97	71.20	27.18	73.28	27.45	74.67	28.26
	-5	56.32	8.82	66.24	10.49	76.45	11.98	81.31	13.35	86.96	14.41	91.82	14.66	93.71	13.69
	0	56.32	8.89	66.24	10.56	76.45	12.06	81.31	13.43	86.96	14.51	91.82	14.76	93.71	13.82
	5	56.32	8.99	66.24	10.66	76.45	12.19	81.31	13.56	86.96	14.66	91.82	14.91	93.71	13.99
	10	56.32	9.19	66.24	11.15	76.45	13.13	81.31	14.11	86.27	15.12	89.94	15.00	91.62	14.38
	15	56.32	9.64	66.24	11.69	76.45	13.77	81.31	14.78	85.28	15.50	87.06	15.22	88.85	15.14
	20	56.32	10.10	66.24	12.62	76.45	15.61	81.31	17.20	82.40	17.33	84.18	17.47	86.07	17.63
	25	56.32	11.99	66.24	15.22	76.45	18.80	78.63	19.52	79.72	19.56	81.61	19.88	83.29	19.88
	30	56.32	14.12	66.24	18.14	74.57	21.68	75.76	21.83	76.85	21.97	78.43	22.10	80.42	22.31
	35	56.32	16.88	66.24	21.47	72.38	24.01	73.08	24.08	74.07	24.19	75.86	24.43	77.64	24.75
110%	41	56.32	19.35	66.24	24.86	69.21	25.79	70.40	25.90	71.49	25.90	72.78	26.55	74.67	26.55
	43	56.32	21.03	66.24	26.23	67.82	26.44	68.91	26.64	69.71	26.97	71.10	27.30	73.28	27.53
	-5	51.66	7.84	60.78	9.48	70.00	11.15	74.47	12.12	79.13	12.96	90.43	15.34	92.32	14.53
	0	51.66	7.90	60.78	9.54	70.00	11.23	74.47	12.21	79.13	13.07	90.43	15.45	92.32	14.66
	5	51.66	8.01	60.78	9.65	70.00	11.36	74.47	12.33	79.13	13.22	90.43	15.60	92.32	14.83
	10	51.66	8.31	60.78	10.08	70.00	11.88	74.47	12.79	79.13	13.71	88.35	15.51	90.04	14.95
	15	51.66	8.71	60.78	10.56	70.00	12.44	74.47	13.34	79.13	14.34	85.37	15.43	87.26	15.19
	20	51.66	9.14	60.78	11.11	70.00	13.70	74.47	15.06	79.13	16.49	82.70	17.35	84.48	17.49
	25	51.66	10.60	60.78	13.40	70.00	16.49	74.47	19.00	77.44	20.05	79.22	20.21	81.01	20.42
	30	51.66	12.63	60.78	15.98	70.00	19.77	74.47	21.48	74.86	21.78	77.04	22.00	78.83	22.10
100%	35	51.66	14.92	60.78	18.89	70.00	22.76	71.79	23.88	72.68	24.08	74.27	24.32	76.05	24.64
	41	51.66	17.36	60.78	22.10	68.12	24.98	69.21	25.93	70.00	25.83	71.20	26.23	73.28	26.56
	43	51.66	18.82	60.78	23.68	66.33	25.60	67.72	26.24	68.42	26.67	69.61	26.98	71.59	27.31
	-5	46.80	7.18	55.13	8.47	63.46	10.08	68.00	11.03	71.89	11.53	80.32	13.17	91.82	15.29
	0	46.80	7.25	55.13	8.54	63.46	10.17	68.00	11.12	71.89	11.63	80.32	13.27	91.82	15.41
	5	46.80	7.35	55.13	8.64	63.46	10.29	68.00	11.25	71.89	11.78	80.32	13.42	91.82	15.58
	10	46.80	7.45	55.13	9.02	63.46	10.62	68.00	11.45	71.89	12.27	80.32	13.92	89.53	15.50
	15	46.80	7.79	55.13	9.44	63.46	11.13	68.00	12.00	71.89	12.84	80.32	14.58	87.05	15.42
	20	46.80	8.18	55.13	9.91	63.46	11.88	68.00	13.07	71.89	14.29	80.32	16.89	84.87	17.35
	25	46.80	9.27	55.13	11.69	63.46	14.34	68.00	15.75	71.89	17.21	78.43	19.56	81.99	19.67
100%	30	46.80	11.04	55.13	13.87	63.46	17.08	68.00	18.67	71.89	20.45	75.56	21.79	78.62	22.00
	35	46.80	13.07	55.13	16.45	63.46	20.21	68.00	19.85	71.39	23.88	72.88	24.11	75.45	24.32
	41	46.80	15.17	55.13	19.03	63.46	23.50	67.43	24.69	68.72	25.84	70.20	26.12	71.69	26.03
	43	46.80	16.74	55.13	20.61	63.46	25.12	66.56	25.67	66.93	26.33	68.81	26.66	70.10	26.88

Capacity table

To be continued

YCV730HR Cooling Capacity															
Capacity Factor (%)	Outdoor Temp (°C WB)	Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	66.82	10.22	78.89	12.44	90.86	14.53	96.64	16.36	100.30	16.00	102.85	14.50	105.18	13.40
	0	66.82	10.28	78.89	12.50	90.86	14.61	96.64	16.45	100.30	16.10	102.85	14.60	105.18	13.53
	5	66.82	10.39	78.89	12.61	90.86	14.74	96.64	16.57	100.30	16.25	102.85	14.75	105.18	13.70
	10	66.82	10.80	78.89	13.07	90.86	15.38	97.04	16.54	97.95	16.24	100.28	15.50	102.83	14.76
	15	66.82	11.31	78.89	13.67	90.86	16.08	94.29	16.51	95.41	16.33	97.04	16.35	99.89	16.42
	20	66.82	11.92	78.89	15.21	89.84	18.46	91.45	18.54	91.87	18.64	94.10	18.81	96.64	18.99
	25	66.82	14.37	78.89	18.31	86.79	20.95	88.20	20.96	88.93	21.10	91.26	21.26	93.60	21.58
	30	66.82	17.04	78.89	21.35	83.66	23.46	84.57	23.53	85.89	23.56	87.03	23.77	90.56	24.40
	35	66.82	20.22	78.18	25.54	81.11	25.85	81.63	26.03	82.74	26.13	85.07	26.37	87.41	26.58
	41	66.82	23.14	76.34	27.52	77.68	27.83	78.79	27.94	79.91	28.04	82.13	28.36	84.38	28.67
	43	66.82	25.01	74.71	28.15	75.85	28.46	77.16	28.87	78.19	29.08	80.51	29.38	82.26	29.68
120%	-5	61.85	9.43	72.70	11.22	83.96	12.80	89.33	14.28	95.53	15.41	100.91	15.67	103.25	14.63
	0	61.85	9.49	72.70	11.29	83.96	12.89	89.33	14.36	95.53	15.52	100.91	15.78	103.25	14.75
	5	61.85	9.60	72.70	11.39	83.96	13.01	89.33	14.49	95.53	15.66	100.91	15.92	103.25	14.92
	10	61.85	9.82	72.70	11.92	83.96	14.03	89.33	15.09	94.71	16.16	98.66	16.04	100.90	15.36
	15	61.85	10.30	72.70	12.49	83.96	14.72	89.33	15.79	93.60	16.56	95.52	16.27	97.86	16.17
	20	61.85	10.80	72.70	13.49	83.96	16.69	89.33	18.39	90.55	18.52	92.38	18.67	94.71	18.85
	25	61.85	12.81	72.70	16.27	83.96	20.10	86.39	20.91	87.61	20.95	89.64	21.16	91.67	21.26
	30	61.85	15.08	72.70	19.40	81.94	23.25	83.25	23.39	84.47	23.42	86.19	23.66	88.53	23.87
	35	61.85	18.04	72.70	22.95	79.49	25.64	80.31	25.82	81.33	25.93	83.35	26.17	85.49	26.48
	41	61.85	20.74	72.70	26.58	76.05	27.62	77.26	27.62	78.48	27.62	80.02	28.36	82.25	28.36
	43	61.85	22.51	72.70	28.04	74.43	28.25	75.64	28.55	76.56	28.87	78.09	29.20	80.72	29.48
110%	-5	56.68	8.36	66.72	10.13	76.86	11.92	81.83	12.96	86.90	13.87	99.29	16.41	101.73	15.55
	0	56.68	8.43	66.72	10.19	76.86	12.00	81.83	13.05	86.90	13.97	99.29	16.52	101.73	15.67
	5	56.68	8.53	66.72	10.30	76.86	12.13	81.83	13.17	86.90	14.12	99.29	16.67	101.73	15.84
	10	56.68	8.87	66.72	10.76	76.86	12.69	81.83	13.67	86.90	14.64	96.94	16.57	99.18	15.98
	15	56.68	9.29	66.72	11.28	76.86	13.29	81.83	14.26	86.90	15.32	93.69	16.49	96.03	16.24
	20	56.68	9.75	66.72	11.87	76.86	14.63	81.83	16.09	86.90	17.64	90.86	18.55	92.99	18.70
	25	56.68	11.32	66.72	14.32	76.86	17.64	81.83	20.35	85.06	21.43	86.99	21.58	89.13	21.90
	30	56.68	13.51	66.72	17.07	76.86	21.16	81.83	23.05	82.24	23.24	84.67	23.56	86.80	23.66
	35	56.68	15.95	66.72	20.19	76.86	24.30	78.79	25.62	79.80	25.72	81.63	26.06	83.76	26.27
	41	56.68	18.55	66.72	23.59	74.73	26.80	75.95	27.75	76.86	27.65	78.19	28.15	80.72	28.46
	43	56.68	20.12	66.72	25.33	72.80	27.42	74.32	28.05	75.14	28.58	76.47	28.88	78.80	29.30
100%	-5	51.41	7.69	60.54	9.06	69.66	10.77	73.00	11.78	78.99	12.33	88.22	14.08	101.09	16.36
	0	51.41	7.75	60.54	9.13	69.66	10.86	73.00	11.86	78.99	12.43	88.22	14.18	101.09	16.49
	5	51.41	7.86	60.54	9.23	69.66	10.98	73.00	11.99	78.99	12.58	88.22	14.33	101.09	16.66
	10	51.41	7.94	60.54	9.64	69.66	11.35	73.00	12.22	78.99	13.11	88.22	14.88	98.43	16.56
	15	51.41	8.30	60.54	10.08	69.66	11.89	73.00	12.82	78.99	13.73	88.22	15.58	95.68	16.48
	20	51.41	8.73	60.54	10.59	69.66	12.69	73.00	13.97	78.99	15.28	88.22	18.05	93.23	18.55
	25	51.41	9.90	60.54	12.49	69.66	15.32	73.00	16.84	78.99	18.41	86.19	20.85	90.09	20.95
	30	51.41	11.79	60.54	14.83	69.66	18.26	73.00	19.96	78.99	21.83	82.95	23.25	86.45	23.56
	35	51.41	13.97	60.54	17.59	69.66	21.61	73.00	21.65	78.38	25.52	80.01	25.85	83.02	26.06
	41	51.41	16.21	60.54	20.39	69.66	25.12	72.61	26.44	75.44	27.66	77.07	27.94	78.90	27.94
	43	51.41	17.88	60.54	21.97	69.66	26.85	71.74	27.44	73.52	28.15	75.54	28.57	77.17	28.78

YCV800HR Cooling Capacity															
Capacity Factor (%)	Outdoor Temp (°C WB)	Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	72.05	11.28	84.99	13.85	97.93	16.33	104.70	18.53	108.88	18.01	112.06	16.33	113.85	14.60
	0	72.05	11.35	84.99	13.92	97.93	16.42	104.70	18.62	108.88	18.12	112.06	16.44	113.85	14.74
	5	72.05	11.46	84.99	14.03	97.93	16.55	104.70	18.75	108.88	18.28	112.06	16.59	113.85	14.91
	10	72.05	12.06	84.99	14.70	97.93	17.37	104.70	18.71	105.69	18.36	108.08	17.52	110.67	16.66
	15	72.05	12.69	84.99	15.39	97.93	18.19	101.11	18.69	102.51	18.47	104.70	18.45	107.48	18.54
	20	72.05	13.36	84.99	17.18	96.93	20.95	97.93	21.04	98.92	21.15	101.51	21.36	103.90	21.56
	25	72.05	16.21	84.99	20.78	93.35	23.74	94.35	23.95	95.74	23.95	98.33	24.17	100.71	24.38
	30	72.05	19.23	84.99	24.82	90.17	26.76	91.16	26.76	92.55	26.76	94.74	26.97	97.53	28.05
	35	72.05	23.09	84.39	29.13	86.98	29.56	87.98	29.56	89.17	29.78	91.56	29.99	94.15	30.43
	41	72.05	25.89	81.61	31.07	83.80	31.51	84.99	31.72	86.38	31.94	88.37	32.58	91.16	32.80
	43	72.05	28.27	79.62	32.15	81.81	32.58	83.20	33.23	84.59	33.66	86.58	34.14	89.17	35.71
120%	-5	66.48	10.48	78.42	12.53	90.56	14.07	96.14	15.99	103.50	17.35	109.47	17.60	111.66	16.22
	0	66.48	10.55	78.42	12.60	90.56	14.15	96.14	16.07	103.50	17.45	109.47	17.71	111.66	16.35
	5	66.48	10.66	78.42	12.71	90.56	14.29	96.14	16.21	103.50	17.61	109.47	17.87	111.66	16.53
	10	66.48	10.94	78.42	13.36	90.56	15.80	96.14	17.03	102.11	18.28	106.49	18.13	108.48	17.35
	15	66.48	11.48	78.42	14.03	90.56	16.62	96.14	17.87	101.11	18.75	103.30	18.41	105.29	18.17
	20	66.48	12.06	78.42	15.19	90.56	18.88	96.14	20.85	97.53	21.02	99.72	21.19	101.91	21.38
	25	66.48	14.39	78.42	18.41	90.56	22.83	92.95	23.74	94.35	23.74	96.53	24.17	98.72	24.17
	30	66.48	16.90	78.42	22.01	88.37	26.33	89.77	26.54	91.16	26.76	92.95	26.97	95.14	27.19
	35	66.48	20.46	78.42	26.11	85.19	29.35	86.58	29.35	87.78	29.56	89.77	29.78	91.96	30.21
	41	66.48	23.31	78.42	30.43	82.00	31.07	83.20	31.29	84.59	31.29	86.58	32.58	88.77	32.58
	43	66.48	25.03	78.42	31.94	80.41	32.15	81.41	32.58	82.40	33.23	84.59	33.88	86.98	34.29
110%	-5	60.91	9.19	72.05	11.28	82.80	13.35	87.98	14.52	93.75	15.47	107.88	18.60	110.27	17.45
	0	60.91	9.26	72.05	11.35	82.80	13.44	87.98	14.61	93.75	15.58	107.88	18.71	110.27	17.58
	5	60.91	9.37	72.05	11.46	82.80	13.57	87.98	14.74	93.75	15.73	107.88	18.86	110.27	17.76
	10	60.91	9.84	72.05	12.04	82.80	14.26	87.98	15.39	93.75	16.53	104.70	18.75	106.69	18.06
	15	60.91	10.31	72.05	12.62	82.80	14.95	87.98	16.03	93.75	17.31	101.11	18.64	103.30	18.36
	20	60.91	10.88	72.05	13.29	82.80	16.53	87.98	18.19	93.75	19.98	97.93	21.04	100.12	21.21
	25	60.91	12.69	72.05	16.14	82.80	19.98	87.98	23.72	91.16	24.82	93.35	25.03	95.54	25.25
	30	60.91	15.21	72.05	19.33	82.80	23.95	87.98	26.11	88.77	26.54	91.16	26.76	93.35	26.97
	35	60.91	18.02	72.05	22.94	82.80	28.48	84.99	29.13	85.99	29.35	87.98	29.56	90.17	29.99
	41	60.91	20.91	72.05	26.76	80.41	31.51	81.81	31.72	82.80	31.51	84.59	32.15	86.98	32.80
	43	60.91	22.66	72.05	28.48	78.22	31.29	80.01	32.15	81.01	33.02	82.80	33.45	84.99	34.09
100%	-5	55.33	8.52	65.29	10.03	75.04	12.06	80.00	12.88	85.19	13.76	95.14	15.71	108.08	18.55
	0	55.33	8.59	65.29	10.10	75.04	12.15	80.00	12.97	85.19	13.87	95.14	15.81	108.08	18.68
	5	55.33	8.70	65.29	10.21	75.04	12.28	80.00	13.10	85.19	14.03	95.14	15.97	108.08	18.86
	10	55.33	8.78	65.29	10.72	75.04	12.71	80.00	13.75	85.19	14.74	95.14	16.79	104.70	18.75
	15	55.33	9.19	65.29	11.24	75.04	13.34	80.00	14.39	85.19	15.45	95.14	17.61	101.11	18.64
	20	55.33	9.67	65.29	11.83	75.04	14.26	80.00	15.73	85.19	17.24	95.14	20.46	97.93	21.04
	25	55.33	11.03	65.29	14.03	75.04	17.31	80.00	19.05	85.19	20.87	92.95	23.74	94.74	23.95
	30	55.33	13.21	65.29	16.79	75.04	20.69	80.00	22.79	85.19	24.82	89.57	26.54	91.16	26.76
	35	55.33	15.73	65.29	19.94	75.04	24.58	80.00	24.60	84.59	29.13	86.38	29.35	87.98	29.56
	41	55.33	18.19	65.29	22.87	75.04	28.55	79.23	30.17	81.41	31.72	83.20	31.94	84.99	32.15
	43	55.33	19.94	65.29	24.82	75.04	30.30	78.66	31.40	79.22	32.15	81.41	32.80	83.20	33.45

YCV850HR Cooling Capacity															
Capacity Factor (%)	Outdoor Temp (°C WB)	Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	77.99	11.93	92.09	14.65	106.09	17.28	113.29	19.60	117.85	19.06	121.30	17.28	123.54	15.46
	0	77.99	12.00	92.09	14.71	106.09	17.36	113.29	19.68	117.85	19.16	121.30	17.38	123.54	15.59
	5	77.99	12.11	92.09	14.82	106.09	17.49	113.29	19.81	117.85	19.31	121.30	17.54	123.54	15.76
	10	77.99	12.76	92.09	15.53	106.09	18.37	113.29	19.78	114.40	19.41	117.04	18.52	120.09	17.61
	15	77.99	13.40	92.09	16.27	106.09	19.23	109.43	19.75	110.95	19.53	113.29	19.49	116.64	19.59
	20	77.99	14.13	92.09	18.15	104.97	22.14	106.09	22.24	107.20	22.35	109.84	22.57	112.79	22.78
	25	77.99	17.13	92.09	21.95	101.12	25.13	102.23	25.23	103.76	25.34	106.49	25.55	109.34	25.87
	30	77.99	20.33	92.09	26.27	97.67	28.32	98.79	28.32	100.31	28.32	102.64	28.53	105.89	29.60
	35	77.99	24.38	91.38	30.77	94.22	31.20	95.34	31.30	96.55	31.51	99.19	31.73	102.13	32.15
	41	77.99	27.47	88.34	32.90	90.77	33.33	91.99	33.54	93.51	33.75	95.74	34.39	98.99	34.71
	43	77.99	29.81	86.21	33.96	88.54	34.50	90.06	35.14	91.58	35.56	93.82	36.07	96.76	37.13
120%	-5	72.01	11.09	84.89	13.26	98.07	14.89	104.16	16.92	112.07	18.35	118.56	18.62	121.20	17.16
	0	72.01	11.16	84.89	13.33	98.07	14.98	104.16	17.00	112.07	18.46	118.56	18.73	121.20	17.29
	5	72.01	11.26	84.89	13.44	98.07	15.11	104.16	17.13	112.07	18.61	118.56	18.88	121.20	17.46
	10	72.01	11.56	84.89	14.13	98.07	16.69	104.16	18.00	110.55	19.31	115.21	19.16	117.76	18.33
	15	72.01	12.14	84.89	14.82	98.07	17.57	104.16	18.88	109.43	19.81	111.76	19.45	114.31	19.21
	20	72.01	12.76	84.89	16.06	98.07	19.96	104.16	22.03	105.68	22.21	107.91	22.39	110.55	22.60
	25	72.01	15.21	84.89	19.45	98.07	24.13	100.71	25.13	102.23	25.13	104.57	25.45	107.10	25.55
	30	72.01	17.86	84.89	23.26	95.74	27.89	97.26	28.11	98.79	28.22	100.71	28.53	103.25	28.75
	35	72.01	21.62	84.89	27.60	92.29	30.98	93.82	31.09	95.03	31.30	97.26	31.51	99.80	31.94
	41	72.01	24.70	84.89	32.15	88.85	32.90	90.06	33.01	91.58	33.01	93.82	34.39	96.35	34.39
	43	72.01	26.51	84.89	33.75	87.02	33.96	88.13	34.50	89.25	35.14	91.58	35.77	94.43	36.24
110%	-5	65.92	9.72	77.99	11.93	89.66	14.13	95.34	15.36	101.52	16.37	116.73	19.67	119.68	18.47
	0	65.92	9.78	77.99	12.00	89.66	14.21	95.34	15.45	101.52	16.48	116.73	19.78	119.68	18.60
	5	65.92	9.89	77.99	12.11	89.66	14.34	95.34	15.58	101.52	16.63	116.73	19.93	119.68	18.77
	10	65.92	10.40	77.99	12.72	89.66	15.08	95.34	16.27	101.52	17.46	113.29	19.81	115.83	19.09
	15	65.92	10.90	77.99	13.34	89.66	15.80	95.34	16.95	101.52	18.29	109.43	19.71	112.07	19.41
	20	65.92	11.49	77.99	14.05	89.66	17.46	95.34	19.23	101.52	21.12	106.09	22.24	108.63	22.42
	25	65.92	13.40	77.99	17.06	89.66	21.12	95.34	25.06	98.79	26.19	101.12	26.41	103.66	26.72
	30	65.92	16.09	77.99	20.43	89.66	25.34	95.34	27.68	96.15	28.00	98.79	28.32	101.32	28.53
	35	65.92	19.05	77.99	24.24	89.66	30.03	91.99	30.88	93.10	30.98	95.34	31.30	97.88	31.62
	41	65.92	22.10	77.99	28.25	87.02	33.33	88.54	33.54	89.66	33.33	91.58	34.07	94.43	34.71
	43	65.92	23.96	77.99	30.13	84.69	33.11	86.61	33.96	87.73	34.92	89.66	35.35	92.19	36.09
100%	-5	59.94	9.03	70.69	10.62	81.24	12.75	85.00	13.63	92.29	14.56	103.04	16.62	117.35	19.63
	0	59.94	9.09	70.69	10.69	81.24	12.84	85.00	13.71	92.29	14.67	103.04	16.72	117.35	19.76
	5	59.94	9.20	70.69	10.80	81.24	12.97	85.00	13.84	92.29	14.82	103.04	16.88	117.35	19.93
	10	59.94	9.27	70.69	11.34	81.24	13.44	85.00	14.52	92.29	15.58	103.04	17.75	113.60	19.81
	15	59.94	9.71	70.69	11.88	81.24	14.10	85.00	15.21	92.29	16.33	103.04	18.61	109.74	19.71
	20	59.94	10.22	70.69	12.50	81.24	15.08	85.00	16.63	92.29	18.23	103.04	21.62	106.29	22.24
	25	59.94	11.66	70.69	14.82	81.24	18.29	85.00	20.14	92.29	22.06	100.71	25.02	102.85	25.23
	30	59.94	13.95	70.69	17.75	81.24	21.88	85.00	24.08	92.29	26.19	96.96	28.00	98.99	28.32
	35	59.94	16.63	70.69	21.08	81.24	25.98	85.00	26.40	91.58	30.77	93.51	31.09	95.54	31.30
	41	59.94	19.23	70.69	24.23	81.24	30.17	84.42	31.92	88.13	33.54	90.06	33.75	92.19	34.07
	43	59.94	21.08	70.69	26.17	81.24	32.03	83.83	33.17	85.80	33.96	88.13	34.71	90.27	35.35

		YCV900HR													
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	83.93	12.58	99.19	15.45	114.25	18.22	121.88	20.66	126.83	20.10	130.54	18.22	133.22	16.31
	0	83.93	12.65	99.19	15.51	114.25	18.31	121.88	20.75	126.83	20.20	130.54	18.33	133.22	16.43
	5	83.93	12.75	99.19	15.62	114.25	18.44	121.88	20.88	126.83	20.35	130.54	18.48	133.22	16.60
	10	83.93	13.45	99.19	16.37	114.25	19.36	121.88	20.86	123.11	20.46	126.00	19.51	129.51	18.56
	15	83.93	14.12	99.19	17.15	114.25	20.27	117.75	20.81	119.40	20.58	121.88	20.54	125.80	20.64
	20	83.93	14.90	99.19	19.13	113.01	23.32	114.25	23.44	115.48	23.55	118.17	23.78	121.67	24.01
	25	83.93	18.06	99.19	23.13	108.89	26.52	110.12	26.52	111.77	26.73	114.66	26.94	117.96	27.36
	30	83.93	21.42	99.19	27.72	105.17	29.88	106.41	29.88	108.06	29.88	110.54	30.09	114.25	31.15
	35	83.93	25.67	98.37	32.41	101.46	32.83	102.70	33.04	103.94	33.25	106.82	33.46	110.12	33.88
	41	83.93	29.04	95.07	34.72	97.75	35.14	98.99	35.36	100.64	35.57	103.11	36.20	106.82	36.62
	43	83.93	31.36	92.80	35.78	95.27	36.41	96.92	37.04	98.57	37.46	101.05	38.01	104.35	38.55
120%	-5	77.54	11.70	91.36	13.99	105.59	15.72	112.18	17.84	120.64	19.36	127.65	19.63	130.74	18.10
	0	77.54	11.76	91.36	14.06	105.59	15.80	112.18	17.93	120.64	19.47	127.65	19.74	130.74	18.22
	5	77.54	11.87	91.36	14.16	105.59	15.93	112.18	18.06	120.64	19.61	127.65	19.89	130.74	18.39
	10	77.54	12.18	91.36	14.90	105.59	17.59	112.18	18.98	118.99	20.35	123.94	20.20	127.03	19.32
	15	77.54	12.80	91.36	15.62	105.59	18.52	112.18	19.89	117.75	20.88	120.23	20.50	123.32	20.25
	20	77.54	13.45	91.36	16.92	105.59	21.04	112.18	23.21	113.83	23.40	116.10	23.59	119.20	23.82
	25	77.54	16.04	91.36	20.50	105.59	25.42	108.47	26.52	110.12	26.52	112.60	26.73	115.48	26.94
	30	77.54	18.81	91.36	24.52	103.11	29.46	104.76	29.67	106.41	29.67	108.47	30.09	111.36	30.30
	35	77.54	22.79	91.36	29.08	99.40	32.62	101.05	32.83	102.29	33.04	104.76	33.25	107.65	33.67
	41	77.54	26.10	91.36	33.88	95.69	34.72	96.92	34.72	98.57	34.72	101.05	36.20	103.94	36.20
	43	77.54	27.99	91.36	35.57	93.62	35.78	94.86	36.41	96.10	37.04	98.57	37.67	101.87	38.20
110%	-5	70.94	10.25	83.93	12.58	96.51	14.90	102.70	16.20	109.30	17.28	125.59	20.75	129.10	19.49
	0	70.94	10.31	83.93	12.65	96.51	14.98	102.70	16.29	109.30	17.38	125.59	20.85	129.10	19.61
	5	70.94	10.42	83.93	12.75	96.51	15.11	102.70	16.41	109.30	17.53	125.59	21.00	129.10	19.78
	10	70.94	10.96	83.93	13.41	96.51	15.89	102.70	17.15	109.30	18.39	121.88	20.88	124.97	20.12
	15	70.94	11.49	83.93	14.06	96.51	16.65	102.70	17.87	109.30	19.28	117.75	20.77	120.85	20.46
	20	70.94	12.10	83.93	14.82	96.51	18.39	102.70	20.27	109.30	22.27	114.25	23.44	117.13	23.63
	25	70.94	14.12	83.93	17.97	96.51	22.27	102.70	26.41	106.41	27.57	108.89	27.78	111.77	28.20
	30	70.94	16.96	83.93	21.53	96.51	26.73	102.70	29.25	103.52	29.46	106.41	29.88	109.30	30.09
	35	70.94	20.08	83.93	25.55	96.51	31.57	98.99	32.62	100.22	32.62	102.70	33.04	105.59	33.25
	41	70.94	23.30	83.93	29.74	93.62	35.14	95.27	35.36	96.51	35.14	98.57	35.99	101.87	36.62
	43	70.94	25.25	83.93	31.78	91.15	34.93	93.21	35.78	94.45	36.83	96.51	37.25	99.40	38.09
100%	-5	64.55	9.53	76.10	11.22	87.44	13.45	90.00	14.37	99.40	15.36	110.95	17.53	126.62	20.71
	0	64.55	9.60	76.10	11.28	87.44	13.53	90.00	14.46	99.40	15.47	110.95	17.63	126.62	20.83
	5	64.55	9.70	76.10	11.39	87.44	13.66	90.00	14.58	99.40	15.62	110.95	17.78	126.62	21.00
	10	64.55	9.76	76.10	11.95	87.44	14.16	90.00	15.30	99.40	16.41	110.95	18.71	122.50	20.88
	15	64.55	10.23	76.10	12.52	87.44	14.86	90.00	16.04	99.40	17.21	110.95	19.61	118.37	20.77
	20	64.55	10.77	76.10	13.17	87.44	15.89	90.00	17.53	99.40	19.21	110.95	22.79	114.66	23.44
	25	64.55	12.29	76.10	15.62	87.44	19.28	90.00	21.23	99.40	23.25	108.47	26.31	110.95	26.52
	30	64.55	14.69	76.10	18.71	87.44	23.07	90.00	25.38	99.40	27.57	104.35	29.46	106.82	29.88
	35	64.55	17.53	76.10	22.22	87.44	27.38	90.00	28.20	98.57	32.41	100.64	32.83	103.11	33.04
	41	64.55	20.27	76.10	25.59	87.44	31.80	89.60	33.67	94.86	35.36	96.92	35.57	99.40	35.99
	43	64.55	22.22	76.10	27.53	87.44	33.76	89.00	34.93	92.39	35.78	94.86	36.62	97.34	37.25

YCV960HR Cooling Capacity															
Capacity Factor (%)	Outdoor Temp (°C WB)	Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	85.74	13.50	101.08	16.36	116.43	19.00	123.76	21.33	128.22	20.90	131.19	18.93	134.06	17.80
	0	85.74	13.59	101.08	16.46	116.43	19.12	123.76	21.45	128.22	21.06	131.19	19.09	134.06	17.99
	5	85.74	13.75	101.08	16.61	116.43	19.31	123.76	21.64	128.22	21.28	131.19	19.31	134.06	18.25
	10	85.74	14.18	101.08	17.11	116.43	20.09	124.55	21.58	125.64	21.20	128.61	20.25	131.48	19.29
	15	85.74	14.84	101.08	17.89	116.43	20.99	121.38	21.55	122.66	21.32	124.55	21.39	127.72	21.45
	20	85.74	15.62	101.08	19.87	115.14	24.08	117.61	24.16	117.72	24.30	120.79	24.53	123.56	24.75
	25	85.74	18.79	101.08	23.89	111.38	27.26	113.46	27.38	113.95	27.45	117.02	27.68	119.60	27.99
	30	85.74	22.27	101.08	27.38	107.22	30.41	108.31	30.55	110.00	30.61	110.89	30.93	115.64	31.67
	35	85.74	26.32	100.19	33.24	104.25	33.66	104.55	33.80	106.13	33.91	109.10	34.28	111.78	34.50
	41	85.74	30.18	98.41	35.85	99.50	36.27	101.08	36.38	102.37	36.48	105.34	36.81	107.52	37.12
	43	85.74	32.80	96.42	36.59	97.32	36.81	99.00	37.32	100.10	37.53	103.26	37.83	104.75	38.66
120%	-5	79.40	12.40	93.26	14.72	107.62	16.92	114.55	18.70	122.18	20.14	128.91	20.51	131.58	19.27
	0	79.40	12.50	93.26	14.81	107.62	17.05	114.55	18.83	122.18	20.30	128.91	20.67	131.58	19.46
	5	79.40	12.65	93.26	14.97	107.62	17.24	114.55	19.02	122.18	20.52	128.91	20.89	131.58	19.71
	10	79.40	12.92	93.26	15.62	107.62	18.36	114.55	19.71	121.48	21.10	126.63	20.94	129.00	20.08
	15	79.40	13.54	93.26	16.37	107.62	19.22	114.55	20.63	120.00	21.62	122.47	21.25	125.04	21.19
	20	79.40	14.18	93.26	17.65	107.62	21.77	114.55	23.98	116.03	24.15	118.51	24.34	121.18	24.56
	25	79.40	16.78	93.26	21.25	107.62	26.19	110.79	27.17	112.27	27.26	114.94	27.68	117.22	27.68
	30	79.40	19.79	93.26	25.28	104.95	30.19	106.63	30.38	108.11	30.55	110.39	30.72	113.26	31.03
	35	79.40	23.52	93.26	29.88	102.17	33.34	102.87	33.49	104.25	33.60	106.83	33.97	109.30	34.39
	41	79.40	27.04	93.26	34.50	97.42	36.05	99.20	36.16	100.69	36.16	102.27	36.81	104.95	36.81
	43	79.40	29.54	93.26	36.48	95.44	36.80	97.12	36.99	98.21	37.32	99.90	37.66	103.07	37.91
110%	-5	72.87	11.08	85.54	13.31	98.61	15.62	104.94	16.98	111.38	18.19	126.93	21.38	129.50	20.34
	0	72.87	11.17	85.54	13.41	98.61	15.75	104.94	17.11	111.38	18.35	126.93	21.54	129.50	20.53
	5	72.87	11.33	85.54	13.57	98.61	15.94	104.94	17.30	111.38	18.58	126.93	21.76	129.50	20.78
	10	72.87	11.69	85.54	14.14	98.61	16.63	104.94	17.89	111.38	19.16	124.35	21.64	126.73	20.87
	15	72.87	12.26	85.54	14.81	98.61	17.41	104.94	18.66	111.38	20.02	120.19	21.53	122.87	21.20
	20	72.87	12.84	85.54	15.57	98.61	19.14	104.94	21.02	111.38	23.00	116.43	24.18	118.91	24.37
	25	72.87	14.86	85.54	18.74	98.61	23.00	104.94	26.14	109.30	27.69	111.77	27.90	114.25	28.22
	30	72.87	17.66	85.54	22.28	98.61	27.57	104.94	29.90	105.34	30.28	108.51	30.61	110.98	30.72
	35	72.87	20.83	85.54	26.30	98.61	31.27	101.08	33.19	102.37	33.49	104.55	33.86	107.03	34.28
	41	72.87	24.26	85.54	30.82	96.03	34.22	97.52	36.01	98.61	35.90	100.10	36.39	103.07	36.71
	43	72.87	26.31	85.54	33.12	93.56	35.55	95.44	36.41	96.33	36.84	97.82	37.24	100.69	37.56
100%	-5	65.94	10.11	77.62	11.93	89.40	14.13	96.00	15.63	101.18	16.17	113.06	18.48	129.59	21.30
	0	65.94	10.20	77.62	12.02	89.40	14.26	96.00	15.76	101.18	16.33	113.06	18.64	129.59	21.49
	5	65.94	10.36	77.62	12.18	89.40	14.45	96.00	15.95	101.18	16.55	113.06	18.86	129.59	21.74
	10	65.94	10.51	77.62	12.69	89.40	14.89	96.00	16.02	101.18	17.18	113.06	19.45	126.72	21.62
	15	65.94	10.98	77.62	13.25	89.40	15.59	96.00	16.80	101.18	17.96	113.06	20.35	123.55	21.51
	20	65.94	11.52	77.62	13.91	89.40	16.63	96.00	18.27	101.18	19.97	113.06	23.54	120.77	24.18
	25	65.94	13.02	77.62	16.37	89.40	20.02	96.00	21.98	101.18	23.99	110.39	27.26	116.61	27.36
	30	65.94	15.49	77.62	19.35	89.40	23.81	96.00	25.94	101.18	28.49	106.33	30.30	111.67	30.61
	35	65.94	18.27	77.62	22.94	89.40	28.13	96.00	27.40	100.49	33.19	102.57	33.55	106.92	33.86
	41	65.94	21.24	77.62	26.62	89.40	32.72	95.23	34.29	96.73	35.82	98.81	36.28	100.89	35.98
	43	65.94	23.51	77.62	28.82	89.40	35.09	93.80	35.64	94.25	36.59	96.93	36.92	98.61	37.03

Capacity table

To be continued

YCV1010HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	91.68	14.15	108.19	17.16	124.59	19.94	132.35	22.39	137.19	21.94	140.43	19.88	143.74	18.65
	0	91.68	14.24	108.19	17.25	124.59	20.07	132.35	22.52	137.19	22.10	140.43	20.04	143.74	18.84
	5	91.68	14.40	108.19	17.41	124.59	20.26	132.35	22.71	137.19	22.32	140.43	20.26	143.74	19.09
	10	91.68	14.87	108.19	17.95	124.59	21.09	133.14	22.66	134.35	22.25	137.57	21.24	140.90	20.24
	15	91.68	15.55	108.19	18.77	124.59	22.03	129.70	22.61	131.11	22.37	133.14	22.44	136.87	22.51
	20	91.68	16.39	108.19	20.85	123.18	25.26	125.77	25.37	126.00	25.50	129.11	25.74	132.44	25.98
	25	91.68	19.72	108.19	25.06	119.15	28.65	121.34	28.67	121.97	28.83	125.19	29.06	128.22	29.48
	30	91.68	23.37	108.19	28.83	114.73	31.97	115.94	32.11	117.75	32.18	118.79	32.49	124.00	33.22
	35	91.68	27.61	107.18	34.87	111.49	35.29	111.91	35.54	113.52	35.64	116.74	36.02	119.77	36.23
	41	91.68	31.75	105.14	37.67	106.48	38.09	108.08	38.19	109.50	38.30	112.71	38.61	115.35	39.03
	43	91.68	34.35	103.02	38.40	104.06	38.72	105.87	39.22	107.09	39.43	110.49	39.77	112.34	40.08
120%	-5	84.93	13.01	99.73	15.45	115.13	17.75	122.57	19.63	130.75	21.15	138.00	21.53	141.12	20.21
	0	84.93	13.10	99.73	15.54	115.13	17.87	122.57	19.75	130.75	21.30	138.00	21.69	141.12	20.39
	5	84.93	13.26	99.73	15.70	115.13	18.06	122.57	19.94	130.75	21.52	138.00	21.90	141.12	20.64
	10	84.93	13.54	99.73	16.39	115.13	19.26	122.57	20.69	129.92	22.14	135.35	21.98	138.28	21.07
	15	84.93	14.19	99.73	17.16	115.13	20.17	122.57	21.64	128.32	22.69	130.93	22.29	134.06	22.23
	20	84.93	14.87	99.73	18.51	115.13	22.85	122.57	25.17	124.19	25.34	126.70	25.54	129.83	25.78
	25	84.93	17.60	99.73	22.29	115.13	27.48	118.55	28.56	120.16	28.65	122.98	28.96	125.60	29.06
	30	84.93	20.75	99.73	26.54	112.31	31.76	114.13	31.95	115.74	32.01	118.15	32.28	121.37	32.59
	35	84.93	24.69	99.73	31.37	109.27	34.98	110.10	35.23	111.51	35.33	114.32	35.71	117.15	36.12
	41	84.93	28.43	99.73	36.23	104.26	37.88	106.06	37.88	107.68	37.88	109.51	38.61	112.53	38.61
	43	84.93	31.02	99.73	38.30	102.05	38.61	103.85	38.90	105.06	39.22	106.89	39.56	110.51	39.86
110%	-5	77.88	11.61	91.48	13.96	105.46	16.39	112.31	17.82	119.16	19.10	135.78	22.46	138.92	21.35
	0	77.88	11.70	91.48	14.06	105.46	16.52	112.31	17.95	119.16	19.26	135.78	22.61	138.92	21.54
	5	77.88	11.86	91.48	14.21	105.46	16.71	112.31	18.14	119.16	19.47	135.78	22.83	138.92	21.79
	10	77.88	12.25	91.48	14.83	105.46	17.44	112.31	18.77	119.16	20.09	132.94	22.71	135.87	21.90
	15	77.88	12.84	91.48	15.52	105.46	18.25	112.31	19.58	119.16	21.00	128.51	22.59	131.64	22.25
	20	77.88	13.46	91.48	16.33	105.46	20.07	112.31	22.05	119.16	24.14	124.59	25.39	127.41	25.58
	25	77.88	15.57	91.48	19.65	105.46	24.14	112.31	27.48	116.92	29.07	119.54	29.28	122.37	29.69
	30	77.88	18.53	91.48	23.38	105.46	28.96	112.31	31.47	112.72	31.74	116.13	32.18	118.96	32.28
	35	77.88	21.86	91.48	27.61	105.46	32.81	108.08	34.94	109.49	35.12	111.91	35.60	114.74	35.91
	41	77.88	25.46	91.48	32.31	102.64	36.04	104.25	37.82	105.46	37.72	107.09	38.30	110.51	38.62
	43	77.88	27.60	91.48	34.76	100.02	37.37	102.04	38.22	103.05	38.75	104.68	39.14	107.89	39.56
100%	-5	70.54	10.61	83.03	12.52	95.60	14.82	101.00	16.38	108.29	16.97	120.97	19.39	138.86	22.37
	0	70.54	10.71	83.03	12.61	95.60	14.95	101.00	16.50	108.29	17.13	120.97	19.55	138.86	22.56
	5	70.54	10.86	83.03	12.77	95.60	15.14	101.00	16.69	108.29	17.35	120.97	19.77	138.86	22.81
	10	70.54	11.00	83.03	13.30	95.60	15.62	101.00	16.80	108.29	18.01	120.97	20.41	135.62	22.69
	15	70.54	11.49	83.03	13.89	95.60	16.35	101.00	17.62	108.29	18.84	120.97	21.36	132.18	22.57
	20	70.54	12.08	83.03	14.59	95.60	17.44	101.00	19.17	108.29	20.95	120.97	24.71	129.14	25.39
	25	70.54	13.65	83.03	17.16	95.60	21.00	101.00	23.07	108.29	25.19	118.15	28.54	124.72	28.65
	30	70.54	16.23	83.03	20.31	95.60	24.99	101.00	27.24	108.29	29.87	113.72	31.76	119.50	32.18
	35	70.54	19.17	83.03	24.08	95.60	29.53	101.00	29.20	107.48	34.83	109.70	35.29	114.48	35.60
	41	70.54	22.28	83.03	27.98	95.60	34.34	100.42	36.04	103.46	37.64	105.67	38.09	108.09	37.89
	43	70.54	24.65	83.03	30.18	95.60	36.82	98.97	37.41	100.84	38.40	103.65	38.83	105.68	38.94

Continued

YCV1010HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	63.49	9.19	74.72	11.17	86.04	13.11	90.90	14.05	97.82	15.15	108.89	17.07	120.37	19.11
	0	63.49	9.28	74.72	11.26	86.04	13.24	90.90	14.17	97.82	15.31	108.89	17.22	120.37	19.30
	5	63.49	9.44	74.72	11.42	86.04	13.42	90.90	14.36	97.82	15.53	108.89	17.44	120.37	19.55
	10	63.49	9.77	74.72	11.77	86.04	13.83	90.90	14.90	97.82	15.96	108.89	18.12	120.37	20.28
	15	63.49	10.23	74.72	12.30	86.04	14.46	90.90	15.55	97.82	16.73	108.89	18.93	120.37	21.20
	20	63.49	10.73	74.72	12.93	86.04	15.18	90.90	16.43	97.82	17.93	108.89	21.09	120.37	24.47
	25	63.49	11.86	74.72	14.83	86.04	18.06	90.90	19.78	97.82	21.57	108.89	25.37	118.15	28.54
	30	63.49	14.11	74.72	17.64	86.04	21.50	90.90	23.54	97.82	25.69	108.89	30.31	114.13	31.76
	35	63.49	16.62	74.72	20.77	86.04	25.34	90.90	27.77	97.82	30.37	107.48	34.87	109.90	35.18
80%	41	63.49	19.14	74.72	24.15	86.04	29.37	90.90	31.43	97.82	34.94	103.06	37.88	105.46	38.09
	43	63.49	20.51	74.72	25.96	86.04	31.55	90.90	33.94	97.82	35.83	99.46	37.67	103.25	38.83
	-5	56.44	8.10	66.42	9.77	76.48	11.41	80.80	12.38	86.54	13.05	96.81	14.89	107.09	16.36
	0	56.44	8.19	66.42	9.86	76.48	11.53	80.80	12.51	86.54	13.20	96.81	15.04	107.09	16.55
	5	56.44	8.35	66.42	10.02	76.48	11.72	80.80	12.70	86.54	13.42	96.81	15.26	107.09	16.80
	10	56.44	8.61	66.42	10.33	76.48	12.09	80.80	13.14	86.54	13.93	96.81	15.83	107.09	17.71
	15	56.44	8.96	66.42	10.79	76.48	12.67	80.80	13.61	86.54	14.59	96.81	16.57	107.09	18.55
	20	56.44	9.40	66.42	11.28	76.48	13.26	80.80	14.27	86.54	15.30	96.81	17.71	107.09	20.92
	25	56.44	10.15	66.42	12.61	76.48	15.30	80.80	16.73	86.54	18.19	96.81	21.35	107.09	25.55
70%	30	56.44	12.09	66.42	15.02	76.48	18.19	80.80	19.91	86.54	21.66	96.81	25.39	107.09	29.48
	35	56.44	14.25	66.42	17.69	76.48	21.50	80.80	23.51	86.54	25.58	96.81	29.89	107.09	34.77
	41	56.44	16.44	66.42	20.75	76.48	24.92	80.80	27.27	86.54	29.77	95.83	34.67	102.45	37.47
	43	56.44	18.28	66.42	21.60	76.48	26.73	80.80	29.33	86.54	31.89	93.46	36.02	99.00	38.30
	-5	49.38	6.94	58.12	8.36	66.92	9.59	70.70	10.58	75.78	11.16	84.54	12.73	93.80	12.10
	0	49.38	7.04	58.12	8.45	66.92	9.72	70.70	10.70	75.78	11.32	84.54	12.88	93.80	12.29
	5	49.38	7.20	58.12	8.61	66.92	9.91	70.70	10.89	75.78	11.53	84.54	13.10	93.80	12.54
	10	49.38	7.41	58.12	8.88	66.92	10.38	70.70	11.18	75.78	11.97	84.54	13.58	93.80	15.22
	15	49.38	7.75	58.12	9.27	66.92	10.88	70.70	11.67	75.78	12.51	84.54	14.19	93.80	15.94
60%	20	49.38	8.11	58.12	9.71	66.92	11.40	70.70	12.25	75.78	13.12	84.54	14.90	93.80	16.86
	25	49.38	8.57	58.12	10.56	66.92	12.74	70.70	13.89	75.78	15.10	84.54	17.64	93.80	20.30
	30	49.38	10.21	58.12	12.54	66.92	15.18	70.70	16.55	75.78	17.97	84.54	20.98	93.80	24.16
	35	49.38	12.06	58.12	14.83	66.92	17.90	70.70	19.52	75.78	21.18	84.54	24.75	93.80	28.65
	41	49.38	13.74	58.12	17.03	66.92	20.79	70.70	22.48	75.78	24.60	84.54	28.65	93.80	33.21
	43	49.38	14.67	58.12	18.23	66.92	22.77	70.70	24.79	75.78	26.65	82.17	30.62	92.62	35.51
	-5	42.33	5.85	49.82	7.05	57.36	8.16	60.60	8.87	65.12	9.34	72.56	10.40	80.31	11.59
	0	42.33	5.95	49.82	7.14	57.36	8.28	60.60	9.00	65.12	9.50	72.56	10.56	80.31	11.77
	5	42.33	6.11	49.82	7.30	57.36	8.47	60.60	9.19	65.12	9.72	72.56	10.78	80.31	12.03
50%	10	42.33	6.30	49.82	7.52	57.36	8.74	60.60	9.58	65.12	10.05	72.56	11.38	80.31	12.74
	15	42.33	6.58	49.82	7.83	57.36	9.14	60.60	9.83	65.12	10.51	72.56	11.89	80.31	13.34
	20	42.33	6.88	49.82	8.20	57.36	9.55	60.60	10.29	65.12	11.00	72.56	12.49	80.31	13.98
	25	42.33	7.20	49.82	8.68	57.36	10.38	60.60	11.30	65.12	12.25	72.56	14.24	80.31	16.31
	30	42.33	8.44	49.82	10.36	57.36	14.28	60.60	13.46	65.12	14.55	72.56	16.90	80.31	19.41
	35	42.33	9.95	49.82	12.19	57.36	14.61	60.60	15.88	65.12	17.20	72.56	19.94	80.31	22.88
	41	42.33	11.46	49.82	12.12	57.36	16.77	60.60	17.77	65.12	19.88	72.56	23.15	80.31	26.64
	43	42.33	12.50	49.82	12.80	57.36	17.85	60.60	19.66	65.12	21.69	72.56	25.07	80.31	28.09
	-5	35.27	4.85	41.51	5.81	47.80	6.67	50.50	7.13	54.05	7.54	60.48	8.52	66.83	9.54
	0	35.27	4.94	41.51	5.91	47.80	6.80	50.50	7.25	54.05	7.69	60.48	8.68	66.83	9.73
	5	35.27	5.10	41.51	6.06	47.80	6.99	50.50	7.44	54.05	7.91	60.48	8.90	66.83	9.98
	10	35.27	5.23	41.51	6.19	47.80	7.20	50.50	7.69	54.05	8.20	60.48	9.27	66.83	10.36
	15	35.27	5.43	41.51	6.41	47.80	7.50	50.50	8.03	54.05	8.59	60.48	9.68	66.83	10.82
	20	35.27	5.67	41.51	6.74	47.80	7.83	50.50	8.41	54.05	8.98	60.48	10.15	66.83	11.36
	25	35.27	5.95	41.51	7.04	47.80	8.24	50.50	8.92	54.05	9.64	60.48	11.14	66.83	12.69
	30	35.27	6.84	41.51	8.27	47.80	9.81	50.50	10.64	54.05	11.49	60.48	13.26	66.83	15.10
	35	35.27	8.07	41.51	9.77	47.80	11.62	50.50	12.52	54.05	13.54	60.48	15.62	66.83	17.80
	41	35.27	9.30	41.51	10.91	47.80	13.33	50.50	14.43	54.05	15.64	60.48	18.35	66.83	20.76
	43	35.27	10.32	41.51	11.93	47.80	14.49	50.50	16.14	54.05	16.93	60.48	19.65	66.83	22.92
TC: total capacity, kW															
PI: power input, kW (compressor+outdoor motor)															

YCV1080HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	96.91	15.21	114.28	18.57	131.66	21.75	140.40	24.56	145.76	23.96	149.64	21.72	152.42	19.85
	0	96.91	15.31	114.28	18.67	131.66	21.88	140.40	24.69	145.76	24.12	149.64	21.88	152.42	20.05
	5	96.91	15.47	114.28	18.83	131.66	22.07	140.40	24.89	145.76	24.35	149.64	22.10	152.42	20.31
	10	96.91	16.14	114.28	19.58	131.66	23.07	140.80	24.82	142.09	24.37	145.36	23.27	148.74	22.14
	15	96.91	16.94	114.28	20.48	131.66	24.14	136.52	24.79	138.21	24.51	140.80	24.53	144.47	24.63
	20	96.91	17.83	114.28	22.82	130.27	27.75	132.25	27.86	133.05	28.01	136.53	28.29	139.70	28.54
	25	96.91	21.55	114.28	27.53	125.70	31.43	127.49	31.66	128.78	31.69	132.26	31.96	135.34	32.28
	30	96.91	25.56	114.28	32.30	121.24	35.27	122.53	35.34	124.41	35.37	126.50	35.69	130.97	36.87
	35	96.91	30.48	113.39	38.47	117.36	39.00	118.26	39.07	119.94	39.29	123.22	39.64	126.50	40.07
	41	96.91	34.51	110.41	41.23	112.60	41.76	114.28	41.98	115.97	42.19	118.95	42.84	122.13	43.16
	43	96.91	37.60	107.92	42.41	110.02	42.84	111.90	43.58	113.49	44.01	116.57	44.52	119.25	46.11
120%	-5	89.56	14.06	105.45	16.76	121.73	19.01	129.38	21.34	138.71	23.08	146.56	23.46	149.54	21.80
	0	89.56	14.16	105.45	16.86	121.73	19.14	129.38	21.47	138.71	23.24	146.56	23.62	149.54	22.00
	5	89.56	14.32	105.45	17.02	121.73	19.33	129.38	21.66	138.71	23.47	146.56	23.85	149.54	22.25
	10	89.56	14.66	105.45	17.83	121.73	21.03	129.38	22.63	137.32	24.26	143.18	24.07	145.86	23.05
	15	89.56	15.38	105.45	18.70	121.73	22.07	129.38	23.71	135.83	24.88	138.71	24.43	141.49	24.22
	20	89.56	16.14	105.45	20.22	121.73	25.05	129.38	27.63	131.16	27.84	134.04	28.06	137.02	28.32
	25	89.56	19.18	105.45	24.43	121.73	30.22	125.11	31.39	126.89	31.43	129.87	31.96	132.65	31.96
	30	89.56	22.57	105.45	29.15	118.75	34.84	120.64	35.10	122.43	35.34	124.91	35.59	127.99	35.91
	35	89.56	27.10	105.45	34.52	114.98	38.68	116.37	38.75	117.96	38.97	120.74	39.32	123.62	39.85
	41	89.56	31.00	105.45	40.07	110.21	41.33	112.00	41.55	113.79	41.55	116.07	42.84	119.05	42.84
	43	89.56	33.55	105.45	42.19	108.03	42.51	109.62	42.93	110.91	43.58	113.39	44.24	116.77	44.67
110%	-5	82.11	12.43	96.81	15.12	111.41	17.83	118.45	19.38	126.00	20.70	144.37	24.64	147.45	23.26
	0	82.11	12.53	96.81	15.22	111.41	17.95	118.45	19.51	126.00	20.86	144.37	24.80	147.45	23.45
	5	82.11	12.69	96.81	15.38	111.41	18.15	118.45	19.70	126.00	21.09	144.37	25.03	147.45	23.71
	10	82.11	13.23	96.81	16.10	111.41	19.01	118.45	20.48	126.00	21.98	140.70	24.89	143.38	23.98
	15	82.11	13.86	96.81	16.87	111.41	19.92	118.45	21.36	126.00	22.99	135.93	24.75	138.91	24.37
	20	82.11	14.58	96.81	17.75	111.41	21.97	118.45	24.15	126.00	26.49	131.66	27.87	134.54	28.10
	25	82.11	16.95	96.81	21.48	111.41	26.49	118.45	30.85	123.02	32.46	125.90	32.73	128.78	33.04
	30	82.11	20.24	96.81	25.64	111.41	31.75	118.45	34.53	119.25	35.05	122.63	35.37	125.51	35.59
	35	82.11	23.93	96.81	30.36	111.41	37.00	114.28	38.45	115.67	38.75	118.26	39.10	121.14	39.64
	41	82.11	27.81	96.81	35.48	108.33	40.74	110.11	41.79	111.41	41.58	113.49	42.31	116.77	42.96
	43	82.11	30.15	96.81	37.92	105.45	41.24	107.73	42.32	108.92	43.18	111.01	43.71	114.09	44.35
100%	-5	74.47	11.44	87.77	13.49	100.98	16.11	108.00	17.47	114.48	18.41	127.89	21.02	145.86	24.56
	0	74.47	11.54	87.77	13.58	100.98	16.24	108.00	17.60	114.48	18.57	127.89	21.18	145.86	24.76
	5	74.47	11.70	87.77	13.75	100.98	16.43	108.00	17.80	114.48	18.80	127.89	21.41	145.86	25.01
	10	74.47	11.84	87.77	14.39	100.98	16.98	108.00	18.32	114.48	19.64	127.89	22.32	141.88	24.88
	15	74.47	12.38	87.77	15.06	100.98	17.80	108.00	19.19	114.48	20.57	127.89	23.38	137.61	24.74
	20	74.47	13.01	87.77	15.83	100.98	19.01	108.00	20.93	114.48	22.91	127.89	27.11	133.83	27.87
	25	74.47	14.78	87.77	18.70	100.98	22.99	108.00	25.28	114.48	27.65	124.91	31.43	129.36	31.65
	30	74.47	17.65	87.77	22.27	100.98	27.42	108.00	30.06	114.48	32.86	120.34	35.06	124.20	35.37
	35	74.47	20.93	87.77	26.42	100.98	32.50	108.00	32.15	113.69	38.45	116.07	38.78	119.44	39.10
	41	74.47	24.26	87.77	30.46	100.98	37.77	107.04	39.77	109.42	41.70	111.80	42.09	114.19	42.10
	43	74.47	26.71	87.77	33.02	100.98	40.27	105.89	41.37	106.54	42.41	109.52	43.06	111.70	43.60

Capacity table

To be continued

Continued

YCV1080HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-5	67.02	9.72	79.00	11.93	90.88	14.11	97.20	15.17	103.36	16.28	115.08	18.55	126.89	20.80
	0	67.02	9.82	79.00	12.03	90.88	14.24	97.20	15.30	103.36	16.45	115.08	18.71	126.89	20.99
	5	67.02	9.98	79.00	12.19	90.88	14.44	97.20	15.49	103.36	16.67	115.08	18.94	126.89	21.25
	10	67.02	10.44	79.00	12.69	90.88	14.99	97.20	16.19	103.36	17.35	115.08	19.77	126.89	22.19
	15	67.02	10.97	79.00	13.27	90.88	15.69	97.20	16.94	103.36	18.20	115.08	20.68	126.89	23.21
	20	67.02	11.53	79.00	13.95	90.88	16.50	97.20	17.88	103.36	19.56	115.08	23.07	126.89	26.86
	25	67.02	12.78	79.00	16.10	90.88	19.70	97.20	21.61	103.36	23.61	115.08	27.86	124.51	31.43
	30	67.02	15.29	79.00	19.24	90.88	23.53	97.20	25.81	103.36	28.19	115.08	33.35	120.44	35.06
	35	67.02	18.11	79.00	22.73	90.88	27.84	97.20	30.56	103.36	33.38	113.69	38.47	116.07	38.78
	41	67.02	20.84	79.00	26.36	90.88	32.28	97.20	33.97	103.36	38.66	109.22	41.88	111.01	42.09
	43	67.02	22.82	79.00	28.16	90.88	34.62	97.20	37.18	103.36	39.60	105.85	40.90	108.62	43.06
80%	-5	59.57	8.54	70.22	10.38	80.78	12.18	86.40	13.22	91.55	14.06	102.27	16.11	113.09	17.90
	0	59.57	8.64	70.22	10.48	80.78	12.31	86.40	13.35	91.55	14.22	102.27	16.27	113.09	18.10
	5	59.57	8.80	70.22	10.64	80.78	12.51	86.40	13.54	91.55	14.45	102.27	16.49	113.09	18.35
	10	59.57	9.14	70.22	11.08	80.78	13.05	86.40	14.14	91.55	15.11	102.27	17.21	113.09	19.32
	15	59.57	9.56	70.22	11.57	80.78	13.68	86.40	14.75	91.55	15.83	102.27	18.03	113.09	20.25
	20	59.57	10.04	70.22	12.15	80.78	14.36	86.40	15.46	91.55	16.64	102.27	19.32	113.09	23.15
	25	59.57	10.88	70.22	13.62	80.78	16.64	86.40	18.20	91.55	19.86	102.27	23.36	113.09	28.66
	30	59.57	13.05	70.22	16.31	80.78	19.86	86.40	21.77	91.55	23.72	102.27	27.87	113.09	32.28
	35	59.57	15.45	70.22	19.31	80.78	23.53	86.40	25.78	91.55	28.10	102.27	33.03	113.09	38.25
	41	59.57	18.05	70.22	22.43	80.78	27.22	86.40	29.89	91.55	32.81	101.78	38.36	108.13	41.46
	43	59.57	20.58	70.22	23.96	80.78	29.08	86.40	32.43	91.55	35.56	100.59	39.64	103.56	42.52
70%	-5	52.13	7.28	61.44	8.83	70.69	10.30	75.60	11.22	80.03	11.98	89.56	13.70	98.99	11.86
	0	52.13	7.38	61.44	8.93	70.69	10.43	75.60	11.35	80.03	12.14	89.56	13.86	98.99	12.05
	5	52.13	7.54	61.44	9.09	70.69	10.62	75.60	11.55	80.03	12.37	89.56	14.09	98.99	12.31
	10	52.13	7.83	61.44	9.45	70.69	11.16	75.60	12.02	80.03	12.92	89.56	14.70	98.99	16.53
	15	52.13	8.20	61.44	9.90	70.69	11.70	75.60	12.60	80.03	13.49	89.56	15.38	98.99	17.31
	20	52.13	8.60	61.44	10.40	70.69	12.29	75.60	13.23	80.03	14.21	89.56	16.19	98.99	18.38
	25	52.13	9.11	61.44	11.34	70.69	13.77	75.60	15.06	80.03	16.41	89.56	19.24	98.99	22.20
	30	52.13	10.94	61.44	13.58	70.69	16.50	75.60	18.02	80.03	19.59	89.56	22.97	98.99	26.50
	35	52.13	13.00	61.44	16.10	70.69	19.50	75.60	21.33	80.03	23.17	89.56	27.17	98.99	31.43
	41	52.13	14.82	61.44	18.36	70.69	22.59	75.60	24.37	80.03	26.88	89.56	31.43	98.99	36.55
	43	52.13	15.79	61.44	19.49	70.69	24.93	75.60	27.05	80.03	29.08	88.38	34.00	98.40	39.55
60%	-5	44.68	6.07	52.66	7.38	60.59	8.61	64.80	9.39	68.91	9.94	76.75	11.23	84.80	12.58
	0	44.68	6.17	52.66	7.48	60.59	8.74	64.80	9.52	68.91	10.10	76.75	11.39	84.80	12.78
	5	44.68	6.33	52.66	7.64	60.59	8.94	64.80	9.72	68.91	10.32	76.75	11.62	84.80	13.04
	10	44.68	6.59	52.66	7.93	60.59	9.32	64.80	10.13	68.91	10.77	76.75	12.24	84.80	13.77
	15	44.68	6.90	52.66	8.29	60.59	9.77	64.80	10.54	68.91	11.26	76.75	12.83	84.80	14.44
	20	44.68	7.22	52.66	8.69	60.59	10.21	64.80	11.03	68.91	11.84	76.75	13.48	84.80	15.14
	25	44.68	7.59	52.66	9.25	60.59	11.16	64.80	12.16	68.91	13.23	76.75	15.43	84.80	17.74
	30	44.68	8.97	52.66	11.11	60.59	14.33	64.80	14.58	68.91	15.81	76.75	18.42	84.80	21.21
	35	44.68	10.66	52.66	13.16	60.59	15.84	64.80	17.26	68.91	18.74	76.75	21.78	84.80	25.10
	41	44.68	12.21	52.66	14.09	60.59	18.18	64.80	19.60	68.91	21.62	76.75	25.24	84.80	29.16
	43	44.68	13.32	52.66	14.60	60.59	19.60	64.80	21.81	68.91	23.63	76.75	27.23	84.80	31.36
50%	-5	37.23	4.94	43.89	6.05	50.49	6.95	54.00	7.40	57.19	7.93	63.94	9.07	70.60	10.17
	0	37.23	5.04	43.89	6.14	50.49	7.08	54.00	7.53	57.19	8.09	63.94	9.24	70.60	10.36
	5	37.23	5.20	43.89	6.31	50.49	7.27	54.00	7.72	57.19	8.32	63.94	9.46	70.60	10.62
	10	37.23	5.39	43.89	6.46	50.49	7.59	54.00	8.13	57.19	8.69	63.94	9.90	70.60	11.11
	15	37.23	5.61	43.89	6.66	50.49	7.92	54.00	8.51	57.19	9.13	63.94	10.35	70.60	11.64
	20	37.23	5.87	43.89	7.07	50.49	8.29	54.00	8.92	57.19	9.57	63.94	10.88	70.60	12.23
	25	37.23	6.18	43.89	7.39	50.49	8.75	54.00	9.50	57.19	10.32	63.94	11.97	70.60	13.70
	30	37.23	7.17	43.89	8.79	50.49	10.50	54.00	11.42	57.19	12.38	63.94	14.37	70.60	16.41
	35	37.23	8.57	43.89	10.44	50.49	12.50	54.00	13.53	57.19	14.66	63.94	16.98	70.60	19.41
	41	37.23	9.79	43.89	11.37	50.49	14.31	54.00	15.55	57.19	16.87	63.94	19.72	70.60	22.49
	43	37.23	10.91	43.89	12.48	50.49	15.62	54.00	17.15	57.19	18.26	63.94	21.33	70.60	24.69
TC: total capacity, kW															
PI: power input, kW (compressor+outdoor motor)															

YCVI130HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	102.85	15.86	121.39	19.37	139.82	22.69	148.99	25.63	154.74	25.00	158.88	22.66	162.10	20.71
	0	102.85	15.96	121.39	19.46	139.82	22.82	148.99	25.76	154.74	25.16	158.88	22.82	162.10	20.90
	5	102.85	16.12	121.39	19.62	139.82	23.01	148.99	25.95	154.74	25.39	158.88	23.04	162.10	21.15
	10	102.85	16.83	121.39	20.42	139.82	24.07	149.39	25.90	150.80	25.42	154.32	24.26	158.16	23.09
	15	102.85	17.65	121.39	21.37	139.82	25.18	144.84	25.85	146.66	25.57	149.39	25.58	153.63	25.68
	20	102.85	18.60	121.39	23.80	138.31	28.94	140.41	29.06	141.33	29.21	144.85	29.50	148.59	29.77
	25	102.85	22.48	121.39	28.70	133.47	32.82	135.38	32.94	136.80	33.07	140.42	33.35	143.96	33.77
	30	102.85	26.65	121.39	33.75	128.74	36.84	130.15	36.91	132.17	36.94	134.40	37.25	139.33	38.42
	35	102.85	31.77	120.38	40.11	124.60	40.63	125.62	40.81	127.33	41.02	130.85	41.37	134.49	41.80
	41	102.85	36.09	117.14	43.05	119.57	43.58	121.28	43.80	123.10	44.01	126.32	44.65	129.96	45.07
	43	102.85	39.15	114.52	44.22	116.75	44.75	118.76	45.49	120.48	45.91	123.80	46.45	126.84	47.54
120%	-5	95.09	14.67	111.92	17.49	129.24	19.84	137.40	22.27	147.28	24.09	155.65	24.47	159.08	22.74
	0	95.09	14.77	111.92	17.59	129.24	19.96	137.40	22.40	147.28	24.24	155.65	24.63	159.08	22.93
	5	95.09	14.93	111.92	17.74	129.24	20.16	137.40	22.59	147.28	24.47	155.65	24.86	159.08	23.19
	10	95.09	15.29	111.92	18.60	129.24	21.93	137.40	23.61	145.76	25.29	151.91	25.10	155.14	24.04
	15	95.09	16.04	111.92	19.50	129.24	23.02	137.40	24.72	144.15	25.94	147.17	25.47	150.51	25.26
	20	95.09	16.83	111.92	21.08	129.24	26.13	137.40	28.81	139.32	29.03	142.24	29.26	145.67	29.54
	25	95.09	20.01	111.92	25.47	129.24	31.51	132.87	32.78	134.78	32.82	137.90	33.24	141.03	33.35
	30	95.09	23.53	111.92	30.40	126.12	36.41	128.14	36.66	130.05	36.80	132.67	37.15	136.10	37.47
	35	95.09	28.27	111.92	36.01	122.08	40.32	123.60	40.50	125.21	40.71	128.24	41.05	131.46	41.58
	41	95.09	32.39	111.92	41.80	117.06	43.16	118.86	43.26	120.78	43.26	123.31	44.65	126.63	44.65
	43	95.09	35.02	111.92	44.01	114.64	44.33	116.34	44.85	117.76	45.49	120.38	46.14	124.22	46.62
110%	-5	87.13	12.96	102.75	15.77	118.26	18.60	125.82	20.22	133.78	21.60	153.23	25.71	156.87	24.27
	0	87.13	13.06	102.75	15.86	118.26	18.73	125.82	20.35	133.78	21.76	153.23	25.87	156.87	24.47
	5	87.13	13.21	102.75	16.02	118.26	18.92	125.82	20.54	133.78	21.99	153.23	26.10	156.87	24.72
	10	87.13	13.79	102.75	16.79	118.26	19.83	125.82	21.37	133.78	22.91	149.29	25.95	152.52	25.01
	15	87.13	14.45	102.75	17.59	118.26	20.77	125.82	22.27	133.78	23.97	144.25	25.81	147.68	25.42
	20	87.13	15.19	102.75	18.52	118.26	22.90	125.82	25.19	133.78	27.63	139.82	29.07	143.05	29.31
	25	87.13	17.66	102.75	22.39	118.26	27.63	125.82	32.20	130.64	33.83	133.67	34.10	136.90	34.52
	30	87.13	21.11	102.75	26.74	118.26	33.14	125.82	36.10	126.63	36.51	130.25	36.94	133.48	37.15
	35	87.13	24.96	102.75	31.66	118.26	38.54	121.28	40.19	122.79	40.39	125.62	40.84	128.85	41.27
	41	87.13	29.01	102.75	36.97	114.93	42.56	116.85	43.61	118.26	43.40	120.48	44.23	124.22	44.86
	43	87.13	31.44	102.75	39.57	111.91	43.06	114.33	44.13	115.64	45.09	117.87	45.61	121.29	46.35
100%	-5	79.08	11.95	93.18	14.08	107.18	16.80	113.00	18.22	121.59	19.21	135.79	21.93	155.13	25.64
	0	79.08	12.04	93.18	14.18	107.18	16.93	113.00	18.35	121.59	19.37	135.79	22.09	155.13	25.83
	5	79.08	12.20	93.18	14.34	107.18	17.12	113.00	18.54	121.59	19.59	135.79	22.31	155.13	26.09
	10	79.08	12.33	93.18	15.00	107.18	17.70	113.00	19.10	121.59	20.48	135.79	23.28	150.78	25.94
	15	79.08	12.90	93.18	15.70	107.18	18.56	113.00	20.02	121.59	21.45	135.79	24.39	146.24	25.80
	20	79.08	13.57	93.18	16.50	107.18	19.83	113.00	21.83	121.59	23.90	135.79	28.28	142.20	29.07
	25	79.08	15.41	93.18	19.50	107.18	23.97	113.00	26.37	121.59	28.84	132.67	32.72	137.47	32.93
	30	79.08	18.39	93.18	23.23	107.18	28.61	113.00	31.36	121.59	34.23	127.73	36.52	132.03	36.94
	35	79.08	21.83	93.18	27.56	107.18	33.90	113.00	33.95	120.68	40.08	123.20	40.53	127.01	40.84
	41	79.08	25.30	93.18	31.82	107.18	39.40	112.23	41.52	116.15	43.52	118.67	43.91	121.39	44.02
	43	79.08	27.85	93.18	34.38	107.18	42.00	111.06	43.14	113.12	44.22	116.25	44.97	118.77	45.50

YCV1180HR Cooling Capacity															
Capacity Factor (%)	Outdoor Temp (°C WB)	Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	108.79	16.51	128.49	20.16	147.98	23.64	157.58	26.70	163.72	26.04	168.12	23.61	171.79	21.56
	0	108.79	16.61	128.49	20.26	147.98	23.76	157.58	26.82	163.72	26.20	168.12	23.76	171.79	21.75
	5	108.79	16.76	128.49	20.42	147.98	23.95	157.58	27.01	163.72	26.42	168.12	23.99	171.79	22.00
	10	108.79	17.52	128.49	21.26	147.98	25.06	157.98	26.97	159.51	26.47	163.29	25.25	167.58	24.04
	15	108.79	18.37	128.49	22.25	147.98	26.22	153.16	26.92	155.11	26.62	157.98	26.62	162.78	26.74
	20	108.79	19.37	128.49	24.77	146.35	30.12	148.57	30.27	149.61	30.41	153.18	30.70	157.48	31.00
	25	108.79	23.40	128.49	29.88	141.24	34.21	143.26	34.22	144.82	34.46	148.59	34.73	152.58	35.26
	30	108.79	27.75	128.49	35.20	136.24	38.40	137.78	38.47	139.92	38.50	142.30	38.81	147.68	39.97
	35	108.79	33.06	127.37	41.74	131.84	42.27	132.98	42.55	134.71	42.76	138.48	43.10	142.47	43.52
	41	108.79	37.66	123.87	44.88	126.55	45.40	128.28	45.61	130.23	45.82	133.69	46.46	137.79	46.98
	43	108.79	40.69	121.11	46.03	123.48	46.67	125.63	47.39	127.47	47.81	131.03	48.39	134.43	48.96
120%	-5	100.62	15.28	118.38	18.22	136.75	20.66	145.42	23.20	155.85	25.09	164.74	25.49	168.62	23.68
	0	100.62	15.37	118.38	18.31	136.75	20.79	145.42	23.32	155.85	25.25	164.74	25.65	168.62	23.86
	5	100.62	15.53	118.38	18.47	136.75	20.98	145.42	23.51	155.85	25.47	164.74	25.87	168.62	24.12
	10	100.62	15.91	118.38	19.37	136.75	22.83	145.42	24.58	154.20	26.33	160.63	26.14	164.42	25.02
	15	100.62	16.69	118.38	20.29	136.75	23.98	145.42	25.73	152.47	27.00	155.64	26.52	159.52	26.30
	20	100.62	17.52	118.38	21.95	136.75	27.21	145.42	29.99	147.47	30.22	150.43	30.46	154.31	30.76
	25	100.62	20.83	118.38	26.52	136.75	32.81	140.63	34.17	142.67	34.21	145.94	34.52	149.41	34.73
	30	100.62	24.49	118.38	31.66	133.49	37.98	135.63	38.23	137.68	38.26	140.43	38.71	144.21	39.02
	35	100.62	29.44	118.38	37.50	129.19	41.95	130.84	42.24	132.47	42.45	135.73	42.79	139.31	43.31
	41	100.62	33.79	118.38	43.52	123.90	44.98	125.73	44.98	127.77	44.98	130.54	46.46	134.22	46.46
	43	100.62	36.50	118.38	45.82	121.24	46.14	123.07	46.76	124.61	47.39	127.38	48.03	131.66	48.58
110%	-5	92.15	13.49	108.69	16.42	125.12	19.37	133.18	21.06	141.55	22.51	162.08	26.79	166.28	25.29
	0	92.15	13.58	108.69	16.51	125.12	19.50	133.18	21.19	141.55	22.66	162.08	26.95	166.28	25.48
	5	92.15	13.74	108.69	16.67	125.12	19.69	133.18	21.38	141.55	22.89	162.08	27.17	166.28	25.73
	10	92.15	14.35	108.69	17.47	125.12	20.64	133.18	22.25	141.55	23.84	157.88	27.01	161.66	26.04
	15	92.15	15.04	108.69	18.30	125.12	21.61	133.18	23.19	141.55	24.96	152.57	26.87	156.45	26.47
	20	92.15	15.80	108.69	19.28	125.12	23.83	133.18	26.23	141.55	28.77	147.98	30.28	151.56	30.52
	25	92.15	18.38	108.69	23.31	125.12	28.77	133.18	33.55	138.27	35.21	141.43	35.47	145.01	36.00
	30	92.15	21.99	108.69	27.84	125.12	34.52	133.18	37.67	134.00	37.97	137.88	38.50	141.45	38.71
	35	92.15	25.99	108.69	32.97	125.12	40.08	128.28	41.93	129.91	42.03	132.98	42.58	136.56	42.89
	41	92.15	30.20	108.69	38.46	121.54	44.38	123.58	45.43	125.12	45.22	127.47	46.14	131.66	46.77
	43	92.15	32.74	108.69	41.22	118.37	44.88	120.93	45.94	122.36	46.99	124.72	47.51	128.50	48.35
100%	-5	83.68	12.45	98.58	14.67	113.38	17.50	118.00	18.97	128.69	20.01	143.69	22.84	164.40	26.72
	0	83.68	12.55	98.58	14.77	113.38	17.62	118.00	19.09	128.69	20.16	143.69	23.00	164.40	26.90
	5	83.68	12.71	98.58	14.92	113.38	17.81	118.00	19.28	128.69	20.39	143.69	23.22	164.40	27.16
	10	83.68	12.82	98.58	15.62	113.38	18.43	118.00	19.87	128.69	21.32	143.69	24.24	159.68	27.00
	15	83.68	13.42	98.58	16.34	113.38	19.32	118.00	20.84	128.69	22.33	143.69	25.39	154.87	26.86
	20	83.68	14.12	98.58	17.17	113.38	20.64	118.00	22.73	128.69	24.89	143.69	29.45	150.56	30.28
	25	83.68	16.04	98.58	20.29	113.38	24.96	118.00	27.46	128.69	30.04	140.43	34.00	145.57	34.21
	30	83.68	19.13	98.58	24.19	113.38	29.79	118.00	32.65	128.69	35.61	135.12	37.98	139.87	38.50
	35	83.68	22.73	98.58	28.71	113.38	35.30	118.00	35.75	127.67	41.72	130.33	42.27	134.58	42.58
	41	83.68	26.34	98.58	33.18	113.38	41.02	117.41	43.27	122.87	45.34	125.53	45.72	128.60	45.94
	43	83.68	28.99	98.58	35.73	113.38	43.73	116.24	44.91	119.71	46.03	122.97	46.88	125.84	47.40

YCV1235HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	113.97	16.69	134.69	20.37	155.09	23.89	165.50	26.97	172.24	26.32	177.24	23.86	180.71	21.80
	0	113.97	16.78	134.69	20.47	155.09	24.01	165.50	27.09	172.24	26.47	177.24	24.01	180.71	21.99
	5	113.97	16.93	134.69	20.62	155.09	24.19	165.50	27.27	172.24	26.68	177.24	24.22	180.71	22.23
	10	113.97	17.70	134.69	21.47	155.09	25.32	165.50	27.24	167.23	26.73	171.11	25.50	175.61	24.28
	15	113.97	18.55	134.69	22.47	155.09	26.47	159.89	27.18	162.13	26.89	165.50	26.88	170.61	27.00
	20	113.97	19.56	134.69	25.01	153.46	30.41	155.09	30.57	156.83	30.71	160.50	31.00	165.00	31.30
	25	113.97	23.63	134.69	30.17	147.85	34.50	149.48	34.55	151.73	34.81	155.71	35.11	160.00	35.62
	30	113.97	28.02	134.69	35.52	142.75	38.79	144.48	38.84	146.73	38.88	150.09	39.18	155.00	40.33
	35	113.97	33.39	133.56	42.14	137.75	42.65	139.48	42.95	141.12	43.17	144.99	43.47	149.38	43.98
	41	113.97	38.04	129.08	45.28	132.75	45.89	134.38	46.06	136.63	46.31	139.99	46.94	144.89	47.36
	43	113.97	41.09	126.01	46.52	129.38	47.24	131.63	47.90	133.87	48.38	137.24	49.00	141.53	49.75
120%	-5	105.30	15.44	124.07	18.42	143.36	20.89	152.34	23.44	163.87	25.36	173.36	25.76	177.34	23.94
	0	105.30	15.54	124.07	18.51	143.36	21.02	152.34	23.56	163.87	25.51	173.36	25.92	177.34	24.12
	5	105.30	15.69	124.07	18.66	143.36	21.20	152.34	23.75	163.87	25.73	173.36	26.13	177.34	24.37
	10	105.30	16.07	124.07	19.56	143.36	23.05	152.34	24.83	161.62	26.59	168.36	26.40	172.34	25.27
	15	105.30	16.86	124.07	20.49	143.36	24.21	152.34	25.99	159.89	27.27	163.26	26.78	167.24	26.56
	20	105.30	17.70	124.07	22.17	143.36	27.48	152.34	30.28	154.58	30.52	157.64	30.76	161.63	31.07
	25	105.30	21.03	124.07	26.78	143.36	33.13	147.24	34.50	149.48	34.50	152.85	34.81	156.63	35.11
	30	105.30	24.73	124.07	31.96	139.99	38.28	142.24	38.60	144.48	38.67	147.24	39.09	151.02	39.39
	35	105.30	29.72	124.07	37.80	134.99	42.35	137.24	42.65	138.87	42.86	142.24	43.17	146.02	43.68
	41	105.30	34.17	124.07	43.89	129.89	45.46	131.63	45.43	133.87	45.46	137.24	46.94	141.02	46.94
	43	105.30	36.80	124.07	46.21	127.14	46.61	128.77	47.20	130.50	47.87	133.87	48.50	138.16	49.03
110%	-5	96.32	13.63	113.97	16.60	131.01	19.59	139.48	21.29	148.36	22.75	170.60	27.07	175.10	25.56
	0	96.32	13.73	113.97	16.69	131.01	19.71	139.48	21.41	148.36	22.90	170.60	27.22	175.10	25.74
	5	96.32	13.88	113.97	16.85	131.01	19.89	139.48	21.59	148.36	23.11	170.60	27.44	175.10	25.99
	10	96.32	14.50	113.97	17.65	131.01	20.85	139.48	22.47	148.36	24.08	165.50	27.27	169.49	26.29
	15	96.32	15.19	113.97	18.48	131.01	21.82	139.48	23.42	148.36	25.20	159.89	27.14	163.88	26.73
	20	96.32	15.97	113.97	19.47	131.01	24.07	139.48	26.49	148.36	29.05	155.09	30.58	158.87	30.81
	25	96.32	18.56	113.97	23.54	131.01	29.05	139.48	33.86	144.48	35.56	147.85	35.86	151.63	36.28
	30	96.32	22.21	113.97	28.11	131.01	34.90	139.48	38.04	140.60	38.37	144.48	38.88	148.26	39.09
	35	96.32	26.24	113.97	33.29	131.01	40.47	134.38	42.34	136.11	42.44	139.48	42.95	143.16	43.26
	41	96.32	30.49	113.97	38.82	127.14	44.78	129.38	45.86	131.01	45.61	133.87	46.54	138.16	47.17
	43	96.32	33.06	113.97	41.60	123.77	45.31	126.53	46.38	128.26	47.39	131.01	47.99	134.79	48.83
100%	-5	87.65	12.59	103.36	14.83	118.77	17.69	123.50	19.18	134.99	20.22	150.61	23.09	171.73	26.99
	0	87.65	12.68	103.36	14.92	118.77	17.81	123.50	19.30	134.99	20.38	150.61	23.24	171.73	27.18
	5	87.65	12.83	103.36	15.08	118.77	17.99	123.50	19.49	134.99	20.59	150.61	23.46	171.73	27.42
	10	87.65	12.95	103.36	15.77	118.77	18.62	123.50	20.08	134.99	21.53	150.61	24.47	166.12	27.27
	15	87.65	13.55	103.36	16.51	118.77	19.51	123.50	21.04	134.99	22.55	150.61	25.64	160.51	27.12
	20	87.65	14.26	103.36	17.34	118.77	20.85	123.50	22.96	134.99	25.13	150.61	29.74	155.51	30.58
	25	87.65	16.21	103.36	20.49	118.77	25.20	123.50	27.72	134.99	30.32	147.24	34.29	150.51	34.59
	30	87.65	19.32	103.36	24.43	118.77	30.09	123.50	32.96	134.99	35.92	141.73	38.37	144.89	38.88
	35	87.65	22.96	103.36	28.99	118.77	35.64	123.50	37.38	133.87	42.14	136.63	42.65	139.89	42.95
	41	87.65	26.60	103.36	33.49	118.77	41.42	122.62	43.69	128.77	45.73	131.63	46.12	134.79	46.36
	43	87.65	29.28	103.36	36.06	118.77	44.17	121.55	45.34	125.50	46.52	128.77	47.36	132.04	47.81

YCVI300HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	119.96	18.23	141.69	22.37	163.21	26.39	174.23	29.93	181.26	29.10	186.57	26.39	190.15	23.61
	0	119.96	18.32	141.69	22.47	163.21	26.52	174.23	30.06	181.26	29.26	186.57	26.55	190.15	23.80
	5	119.96	18.48	141.69	22.63	163.21	26.71	174.23	30.25	181.26	29.49	186.57	26.77	190.15	24.06
	10	119.96	19.48	141.69	23.72	163.21	28.05	174.23	30.21	175.96	29.64	180.04	28.27	184.84	26.89
	15	119.96	20.47	141.69	24.84	163.21	29.36	168.31	30.16	170.66	29.82	174.23	29.76	179.54	29.91
	20	119.96	21.58	141.69	27.72	161.48	33.79	163.21	33.96	164.95	34.12	168.92	34.46	173.62	34.79
	25	119.96	26.16	141.69	33.52	155.56	38.38	157.30	38.49	159.64	38.70	163.82	39.02	168.32	39.55
	30	119.96	31.04	141.69	40.12	150.26	43.26	151.99	43.26	154.34	43.26	157.91	43.58	163.01	45.17
	35	119.96	37.22	140.56	46.97	144.95	47.61	146.69	47.82	148.52	48.14	152.60	48.46	157.20	49.10
	41	119.96	41.99	135.87	50.26	139.65	50.90	141.48	51.22	143.83	51.53	147.30	52.49	152.40	53.02
	43	119.96	45.49	132.61	51.85	136.18	52.70	138.52	53.65	140.87	54.29	144.34	55.08	148.93	56.41
120%	-5	110.78	16.94	130.57	20.26	150.87	22.75	160.25	25.84	172.39	28.03	182.39	28.44	186.58	26.21
	0	110.78	17.04	130.57	20.36	150.87	22.88	160.25	25.97	172.39	28.19	182.39	28.60	186.58	26.40
	5	110.78	17.20	130.57	20.52	150.87	23.07	160.25	26.16	172.39	28.42	182.39	28.82	186.58	26.66
	10	110.78	17.66	130.57	21.58	150.87	25.49	160.25	27.50	170.04	29.49	177.18	29.27	181.27	27.99
	15	110.78	18.54	130.57	22.63	150.87	26.83	160.25	28.82	168.31	30.25	171.88	29.70	175.97	29.33
	20	110.78	19.48	130.57	24.52	150.87	30.49	160.25	33.64	162.60	33.91	165.96	34.19	170.15	34.52
	25	110.78	23.23	130.57	29.70	150.87	36.84	154.95	38.38	157.30	38.38	160.86	38.81	164.85	39.02
	30	110.78	27.26	130.57	35.52	147.30	42.63	149.64	42.94	151.99	43.05	154.95	43.58	158.93	43.90
	35	110.78	33.02	130.57	42.14	141.99	47.29	144.34	47.50	146.17	47.82	149.64	48.14	153.63	48.78
	41	110.78	37.75	130.57	49.10	136.69	50.26	138.52	50.37	140.87	50.37	144.34	52.49	148.32	52.49
	43	110.78	40.51	130.57	51.53	133.83	51.85	135.57	52.70	137.30	53.65	140.87	54.61	145.36	55.34
110%	-5	101.39	14.84	119.96	18.23	137.91	21.58	146.69	23.46	156.17	25.01	179.53	30.05	184.23	28.21
	0	101.39	14.94	119.96	18.32	137.91	21.70	146.69	23.59	156.17	25.17	179.53	30.21	184.23	28.40
	5	101.39	15.10	119.96	18.48	137.91	21.90	146.69	23.78	156.17	25.40	179.53	30.43	184.23	28.66
	10	101.39	15.88	119.96	19.43	137.91	23.02	146.69	24.84	156.17	26.66	174.23	30.25	178.31	29.15
	15	101.39	16.65	119.96	20.37	137.91	24.12	146.69	25.88	156.17	27.93	168.31	30.09	172.50	29.64
	20	101.39	17.54	119.96	21.46	137.91	26.66	146.69	29.36	156.17	32.26	163.21	33.96	167.19	34.24
	25	101.39	20.47	119.96	26.04	137.91	32.26	146.69	38.27	151.99	39.98	155.56	40.29	159.54	40.82
	30	101.39	24.57	119.96	31.20	137.91	38.70	146.69	42.31	147.91	42.73	151.99	43.26	155.97	43.58
	35	101.39	29.09	119.96	37.02	137.91	45.81	141.48	47.19	143.22	47.29	146.69	47.82	150.67	48.25
	41	101.39	33.75	119.96	43.12	133.83	50.90	136.18	51.22	137.91	50.90	140.87	52.06	145.36	53.02
	43	101.39	36.58	119.96	46.02	130.26	50.58	133.22	51.85	134.95	53.34	137.91	53.97	141.89	55.14
100%	-5	92.21	13.79	108.74	16.23	124.96	19.48	130.00	20.81	141.99	22.24	158.52	25.38	180.66	29.98
	0	92.21	13.89	108.74	16.33	124.96	19.60	130.00	20.94	141.99	22.40	158.52	25.54	180.66	30.18
	5	92.21	14.05	108.74	16.49	124.96	19.80	130.00	21.13	141.99	22.63	158.52	25.77	180.66	30.43
	10	92.21	14.16	108.74	17.32	124.96	20.52	130.00	22.17	141.99	23.78	158.52	27.10	174.84	30.25
	15	92.21	14.82	108.74	18.14	124.96	21.53	130.00	23.23	141.99	24.94	158.52	28.42	168.93	30.09
	20	92.21	15.61	108.74	19.09	124.96	23.02	130.00	25.40	141.99	27.83	158.52	33.02	163.62	33.96
	25	92.21	17.80	108.74	22.63	124.96	27.93	130.00	30.76	141.99	33.69	154.95	38.17	158.32	38.49
	30	92.21	21.29	108.74	27.10	124.96	33.41	130.00	36.77	141.99	39.98	149.13	42.73	152.40	43.26
	35	92.21	25.40	108.74	32.19	124.96	39.67	130.00	40.50	140.87	46.97	143.83	47.50	147.10	47.82
	41	92.21	29.36	108.74	37.03	124.96	46.07	129.22	48.76	135.57	51.22	138.52	51.53	141.89	52.06
	43	92.21	32.19	108.74	39.93	124.96	48.90	128.33	50.63	132.00	51.85	135.57	53.02	138.94	53.97

Capacity table

To be continued

YCVI350HR															
Capacity Factor (%)	Outdoor Temp (°C WB)	Cooling Capacity													
		Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19.4 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5	125.90	18.88	148.79	23.17	171.37	27.33	182.82	31.00	190.24	30.14	195.81	27.33	199.83	24.46
	0	125.90	18.97	148.79	23.26	171.37	27.46	182.82	31.12	190.24	30.30	195.81	27.49	199.83	24.65
	5	125.90	19.13	148.79	23.42	171.37	27.65	182.82	31.31	190.24	30.53	195.81	27.72	199.83	24.91
	10	125.90	20.17	148.79	24.56	171.37	29.04	182.82	31.28	184.67	30.68	189.00	29.26	194.26	27.84
	15	125.90	21.18	148.79	25.73	171.37	30.40	176.63	31.22	179.10	30.87	182.82	30.81	188.69	30.97
	20	125.90	22.35	148.79	28.69	169.51	34.98	171.37	35.17	173.23	35.32	177.25	35.67	182.51	36.02
	25	125.90	27.08	148.79	34.69	163.33	39.77	165.18	39.77	167.66	40.09	171.99	40.41	176.94	41.04
	30	125.90	32.14	148.79	41.57	157.76	44.83	159.62	44.83	162.09	44.83	165.80	45.14	171.37	46.72
	35	125.90	38.51	147.55	48.61	152.19	49.24	154.05	49.56	155.90	49.88	160.23	50.19	165.18	50.82
	41	125.90	43.56	142.60	52.09	146.62	52.72	148.48	53.03	150.95	53.35	154.67	54.30	160.23	54.93
	43	125.90	47.04	139.20	53.66	142.91	54.61	145.39	55.56	147.86	56.19	151.57	57.01	156.52	57.83
120%	-5	116.31	17.55	137.03	20.99	158.38	23.58	168.28	26.77	180.96	29.04	191.48	29.45	196.12	27.14
	0	116.31	17.64	137.03	21.09	158.38	23.71	168.28	26.89	180.96	29.20	191.48	29.61	196.12	27.34
	5	116.31	17.80	137.03	21.24	158.38	23.90	168.28	27.08	180.96	29.42	191.48	29.83	196.12	27.59
	10	116.31	18.28	137.03	22.35	158.38	26.39	168.28	28.47	178.49	30.53	185.91	30.30	190.55	28.98
	15	116.31	19.19	137.03	23.42	158.38	27.78	168.28	29.83	176.63	31.31	180.34	30.75	184.98	30.37
	20	116.31	20.17	137.03	25.38	158.38	31.57	168.28	34.82	170.75	35.10	174.15	35.39	178.79	35.73
	25	116.31	24.05	137.03	30.75	158.38	38.13	162.71	39.77	165.18	39.77	168.90	40.09	173.23	40.41
	30	116.31	28.22	137.03	36.78	154.67	44.19	157.14	44.51	159.62	44.51	162.71	45.14	167.04	45.46
	35	116.31	34.19	137.03	43.63	149.10	48.93	151.57	49.24	153.43	49.56	157.14	49.88	161.47	50.51
	41	116.31	39.14	137.03	50.82	143.53	52.09	145.39	52.09	147.86	52.09	151.57	54.30	155.90	54.30
	43	116.31	41.98	137.03	53.35	140.44	53.66	142.29	54.61	144.15	55.56	147.86	56.51	152.81	57.29
110%	-5	106.41	15.37	125.90	18.88	144.77	22.35	154.05	24.30	163.95	25.91	188.38	31.12	193.64	29.23
	0	106.41	15.47	125.90	18.97	144.77	22.47	154.05	24.43	163.95	26.07	188.38	31.28	193.64	29.42
	5	106.41	15.63	125.90	19.13	144.77	22.67	154.05	24.62	163.95	26.30	188.38	31.50	193.64	29.67
	10	106.41	16.45	125.90	20.11	144.77	23.83	154.05	25.73	163.95	27.59	182.82	31.31	187.46	30.18
	15	106.41	17.24	125.90	21.09	144.77	24.97	154.05	26.80	163.95	28.92	176.63	31.16	181.27	30.68
	20	106.41	18.15	125.90	22.22	144.77	27.59	154.05	30.40	163.95	33.40	171.37	35.17	175.70	35.45
	25	106.41	21.18	125.90	26.96	144.77	33.40	154.05	39.62	159.62	41.35	163.33	41.67	167.66	42.30
	30	106.41	25.44	125.90	32.29	144.77	40.09	154.05	43.88	155.29	44.19	159.62	44.83	163.95	45.14
	35	106.41	30.12	125.90	38.32	144.77	47.35	148.48	48.93	150.34	48.93	154.05	49.56	158.38	49.88
	41	106.41	34.94	125.90	44.60	140.44	52.72	142.91	53.03	144.77	52.72	147.86	53.98	152.81	54.93
	43	106.41	37.88	125.90	47.67	136.73	52.40	139.82	53.66	141.67	55.24	144.77	55.87	149.10	57.14
100%	-5	96.82	14.30	114.14	16.82	131.16	20.17	135.00	21.56	149.10	23.04	166.42	26.29	189.93	31.06
	0	96.82	14.39	114.14	16.92	131.16	20.30	135.00	21.69	149.10	23.20	166.42	26.45	189.93	31.25
	5	96.82	14.55	114.14	17.08	131.16	20.49	135.00	21.88	149.10	23.42	166.42	26.67	189.93	31.50
	10	96.82	14.65	114.14	17.93	131.16	21.24	135.00	22.95	149.10	24.62	166.42	28.06	183.74	31.31
	15	96.82	15.34	114.14	18.78	131.16	22.29	135.00	24.05	149.10	25.82	166.42	29.42	177.56	31.16
	20	96.82	16.16	114.14	19.76	131.16	23.83	135.00	26.30	149.10	28.82	166.42	34.19	171.99	35.17
	25	96.82	18.44	114.14	23.42	131.16	28.92	135.00	31.85	149.10	34.88	162.71	39.46	166.42	39.77
	30	96.82	22.03	114.14	28.06	131.16	34.60	135.00	38.07	149.10	41.35	156.52	44.19	160.23	44.83
	35	96.82	26.30	114.14	33.33	131.16	41.07	135.00	42.30	147.86	48.61	150.95	49.24	154.67	49.56
	41	96.82	30.40	114.14	38.39	131.16	47.70	134.40	50.51	142.29	53.03	145.39	53.35	149.10	53.98
	43	96.82	33.33	114.14	41.29	131.16	50.63	133.50	52.40	138.58	53.66	142.29	54.93	146.01	55.87

YCV280HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130	-14.7	-15	20.10	4.96	20.10	5.25	20.10	5.54	20.00	5.69	20.00	5.84	20.00	6.13
	-12.6	-13	21.10	5.26	21.10	5.54	21.10	5.82	21.10	5.95	21.10	6.09	21.10	6.36
	-10.5	-11	22.20	5.53	22.20	5.80	22.20	6.05	22.20	6.18	22.20	6.32	22.20	6.56
	-9.5	-10	22.80	5.66	22.80	5.91	22.80	6.16	22.80	6.29	22.80	6.42	22.80	6.68
	-8.5	-9.1	23.30	5.77	23.30	6.02	23.30	6.26	23.30	6.38	23.30	6.49	23.30	6.75
	-7	-7.6	24.20	5.93	24.20	6.17	24.20	6.41	24.20	6.56	24.20	6.62	24.20	6.88
	-5	-5.6	25.20	6.13	25.20	6.36	25.20	6.56	25.20	6.68	25.20	6.81	25.20	7.01
	-3	-3.7	26.20	6.31	26.20	6.49	26.20	6.75	26.20	6.88	26.20	6.94	26.20	7.20
	0	-0.7	27.90	6.56	27.90	6.75	27.90	6.94	27.90	7.07	27.90	7.13	27.90	7.33
	3	2.2	29.30	6.75	29.30	6.94	29.30	7.13	29.30	7.20	29.30	7.33	29.30	7.52
	5	4.1	30.50	6.88	30.50	7.07	30.50	7.26	30.50	7.33	30.50	7.46	30.50	7.58
	8.3	6.1	31.50	7.01	31.50	7.20	31.50	7.33	31.50	7.46	31.50	7.52	31.50	7.71
	9	7.9	32.60	7.07	32.50	7.26	32.50	7.46	32.50	7.52	32.50	7.58	32.50	7.78
	11	9.8	33.60	7.20	33.60	7.33	33.60	7.52	33.60	7.58	33.60	7.71	33.60	7.84
	13	11.8	34.70	7.26	34.70	7.46	34.70	7.58	34.70	7.71	34.70	7.78	34.70	7.91
	15	13.7	35.70	7.39	35.70	7.52	35.70	7.65	35.70	7.78	35.70	7.84	35.70	7.84
	19	14.2	35.70	7.46	35.70	7.60	35.70	7.72	35.70	7.84	35.70	7.91	35.70	7.69
	21	15	35.70	7.51	35.70	7.67	35.70	7.79	35.70	7.89	35.70	7.79	35.70	7.61
120	-14.7	-15	20.10	5.35	20.00	5.62	20.00	5.89	20.00	6.03	20.00	6.16	20.00	6.43
	-12.6	-13	21.10	5.64	21.10	5.89	21.10	6.14	21.10	6.27	21.10	6.40	21.10	6.68
	-10.5	-11	22.20	5.89	22.20	6.13	22.20	6.36	22.20	6.49	22.20	6.62	22.20	6.88
	-9.5	-10	22.80	6.00	22.80	6.23	22.80	6.49	22.80	6.56	22.80	6.68	22.80	6.94
	-8.5	-9.1	23.30	6.10	23.30	6.32	23.30	6.56	23.30	6.68	23.30	6.81	23.30	7.01
	-7	-7.6	24.20	6.25	24.20	6.49	24.20	6.68	24.20	6.81	24.20	6.88	24.20	7.13
	-5	-5.6	25.20	6.43	25.20	6.62	25.20	6.88	25.20	6.94	25.20	7.07	25.20	7.26
	-3	-3.7	26.20	6.62	26.20	6.81	26.20	7.01	26.20	7.07	26.20	7.20	26.20	7.39
	0	-0.7	27.90	6.81	27.90	7.01	27.90	7.20	27.90	7.26	27.90	7.39	27.90	7.58
	3	2.2	29.30	7.01	29.30	7.20	29.30	7.39	29.30	7.46	29.30	7.52	29.30	7.71
	5	4.1	30.50	7.13	30.50	7.26	30.50	7.46	30.50	7.52	30.50	7.65	30.50	7.78
	8.3	6.1	31.50	7.20	31.50	7.39	31.50	7.58	31.50	7.65	31.50	7.71	31.50	7.91
	9	7.9	32.50	7.33	32.50	7.46	32.50	7.65	32.50	7.71	32.50	7.78	32.50	7.97
	11	9.8	33.60	7.39	33.60	7.58	33.60	7.71	33.60	7.78	33.60	7.84	32.90	7.71
	13	11.8	34.70	7.52	34.70	7.65	34.70	7.78	34.70	7.84	34.70	7.97	32.90	7.46
	15	13.7	35.70	7.58	35.70	7.71	35.70	7.84	35.70	7.91	35.70	7.78	32.90	7.13
	19	14.2	35.70	7.65	35.70	7.78	35.70	7.85	35.70	7.83	35.70	7.65	32.90	6.96
	21	15	35.70	7.73	35.70	7.84	35.70	7.90	35.70	7.77	35.70	7.41	32.90	6.84
110	-14.7	-15	20.00	5.75	20.00	6.00	20.00	6.23	20.00	6.36	20.00	6.49	20.00	6.75
	-12.6	-13	21.10	6.01	21.10	6.24	21.10	6.49	21.10	6.62	21.10	6.68	21.10	6.94
	-10.5	-11	22.20	6.23	22.20	6.43	22.20	6.68	22.20	6.81	22.20	6.88	22.20	7.13
	-9.5	-10	22.80	6.34	22.80	6.56	22.80	6.75	22.80	6.88	22.80	7.01	22.80	7.20
	-8.5	-9.1	23.30	6.43	23.30	6.62	23.30	6.88	23.30	6.94	23.30	7.07	23.30	7.26
	-7	-7.6	24.20	6.56	24.20	6.75	24.20	6.94	24.20	7.07	24.20	7.20	24.20	7.39
	-5	-5.6	25.20	6.75	25.20	6.94	25.20	7.13	25.20	7.20	25.20	7.33	25.20	7.52
	-3	-3.7	26.20	6.88	26.20	7.07	26.20	7.26	26.20	7.33	26.20	7.46	26.20	7.58
	0	-0.7	27.90	7.07	27.80	7.26	27.80	7.46	27.80	7.52	27.80	7.58	27.80	7.78
	3	2.2	29.30	7.26	29.30	7.46	29.30	7.58	29.30	7.65	29.30	7.78	29.30	7.91
	5	4.1	30.50	7.39	30.50	7.52	30.50	7.65	30.50	7.78	30.50	7.84	30.20	7.91
	8.3	6.1	31.50	7.46	31.50	7.58	31.50	7.78	31.50	7.84	31.50	7.91	30.20	7.58
	9	7.9	32.50	7.58	32.50	7.71	32.50	7.84	32.50	7.91	32.30	7.91	30.20	7.26
	11	9.8	33.60	7.65	33.60	7.78	33.60	7.91	33.50	7.91	32.30	7.58	30.20	7.01
	13	11.8	34.70	7.71	34.70	7.84	34.70	7.84	33.50	7.58	32.30	7.26	30.20	6.75
	15	13.7	35.70	7.78	35.70	7.91	34.70	7.58	33.50	7.33	32.30	7.01	30.20	6.49
	19	14.2	35.70	7.27	35.70	7.83	34.70	7.34	33.50	7.03	32.30	6.77	30.20	6.28
	21	15	35.70	7.33	35.70	7.61	34.70	6.95	33.50	6.82	32.30	6.58	30.20	6.19

To be continued

Continued

YCV280HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	20.00	6.14	20.00	6.37	20.00	6.62	20.00	6.68	20.00	6.81	20.00	7.07
	-12.6	-13	21.10	6.38	21.10	6.62	21.10	6.81	21.10	6.88	21.10	7.01	21.10	7.20
	-10.5	-11	22.20	6.62	22.20	6.81	22.20	7.01	22.20	7.07	22.20	7.20	22.20	7.39
	-9.5	-10	22.80	6.68	22.80	6.88	22.80	7.07	22.80	7.20	22.80	7.26	22.80	7.46
	-8.5	-9.1	23.30	6.75	23.30	6.94	23.30	7.13	23.30	7.26	23.30	7.33	23.30	7.52
	-7	-7.6	24.20	6.88	24.20	7.07	24.20	7.26	24.20	7.33	24.20	7.46	24.20	7.65
	-5	-5.6	25.20	7.07	25.20	7.20	25.20	7.39	25.20	7.46	25.20	7.58	25.20	7.71
	-3	-3.7	26.20	7.20	26.20	7.33	26.20	7.52	26.20	7.58	26.20	7.65	26.20	7.84
	0	-0.7	27.80	7.39	27.80	7.52	27.80	7.65	27.80	7.78	27.80	7.84	27.50	7.97
	3	2.2	29.30	7.52	29.30	7.65	29.30	7.84	29.30	7.91	29.30	7.97	27.50	7.46
	5	4.1	30.50	7.58	30.50	7.78	30.50	7.91	30.50	7.97	29.50	7.71	27.50	7.13
	8.3	6.1	31.50	7.71	31.50	7.84	31.50	7.97	30.50	7.65	29.50	7.39	27.50	6.81
	9	7.9	32.50	7.78	32.50	7.91	31.50	7.65	30.50	7.39	29.50	7.07	27.50	6.56
	11	9.8	33.60	7.84	33.50	7.91	31.50	7.33	30.50	7.07	29.50	6.81	27.50	6.31
	13	11.8	34.70	7.91	33.50	7.58	31.50	7.07	30.50	6.81	29.50	6.56	27.50	6.07
90	15	13.7	35.50	7.78	33.50	7.33	31.50	6.81	30.50	6.56	29.50	6.32	27.50	5.86
	19	14.2	35.50	7.57	33.50	7.08	31.50	6.64	30.50	6.28	29.50	6.08	27.50	5.70
	21	15	35.50	7.33	33.50	6.77	31.50	6.39	30.50	6.19	29.50	5.90	27.50	5.57
	-14.7	-15	20.00	6.56	20.00	6.75	20.00	6.94	20.00	7.07	20.00	7.13	20.00	7.33
	-12.6	-13	21.10	6.75	21.10	6.94	21.10	7.13	21.10	7.20	21.10	7.33	21.10	7.52
	-10.5	-11	22.20	6.94	22.20	7.13	22.20	7.33	22.20	7.39	22.20	7.46	22.20	7.65
	-9.5	-10	22.80	7.01	22.80	7.20	22.80	7.39	22.80	7.46	22.80	7.52	22.80	7.71
	-8.5	-9.1	23.30	7.07	23.30	7.26	23.30	7.46	23.30	7.52	23.30	7.58	23.30	7.78
	-7	-7.6	24.20	7.20	24.20	7.39	24.20	7.52	24.20	7.65	24.20	7.71	24.10	7.84
	-5	-5.6	25.20	7.33	25.20	7.52	25.20	7.65	25.20	7.71	25.20	7.84	24.60	7.97
	-3	-3.7	26.20	7.46	26.20	7.65	26.20	7.78	26.20	7.84	26.20	7.91	24.60	7.65
	0	-0.7	27.80	7.65	27.80	7.78	27.80	7.91	27.30	7.97	26.50	7.65	24.60	7.07
	3	2.2	29.30	7.78	29.30	7.91	28.30	7.71	27.30	7.46	26.50	7.13	24.60	6.62
	5	4.1	30.50	7.84	30.30	7.91	28.30	7.39	27.30	7.13	26.50	6.81	24.60	6.32
	8.3	6.1	31.50	7.91	30.30	7.58	28.30	7.07	27.30	6.81	26.50	6.56	24.60	6.07
80	9	7.9	32.00	7.78	30.30	7.26	28.30	6.81	27.30	6.56	26.50	6.31	24.60	5.84
	11	9.8	32.00	7.46	30.30	7.01	28.30	6.56	27.30	6.30	26.50	6.07	24.60	5.63
	13	11.8	32.00	7.20	30.30	6.75	28.30	6.28	27.30	6.06	26.50	5.85	24.60	5.42
	15	13.7	32.00	6.94	30.30	6.49	28.30	6.06	27.30	5.86	26.50	5.65	24.60	5.24
	19	14.2	32.00	6.77	30.30	6.31	28.30	5.87	27.30	5.68	26.50	5.45	24.60	5.05
	21	15	32.00	6.52	30.30	6.07	28.30	5.76	27.30	5.49	26.50	5.25	24.60	4.84
	-14.7	-15	20.00	6.94	20.00	7.13	20.00	7.33	20.00	7.39	20.00	7.46	20.00	7.65
	-12.6	-13	21.10	7.13	21.10	7.26	21.10	7.46	21.10	7.52	21.10	7.65	21.10	7.78
	-10.5	-11	22.20	7.26	22.20	7.46	22.20	7.58	22.20	7.71	22.20	7.78	22.00	7.91
	-9.5	-10	22.80	7.39	22.80	7.52	22.80	7.65	22.80	7.78	22.80	7.84	22.00	7.97
	-8.5	-9.1	23.30	7.46	23.30	7.58	23.30	7.71	23.30	7.84	23.30	7.91	22.00	7.84
	-7	-7.6	24.20	7.52	24.20	7.65	24.10	7.84	24.10	7.91	23.60	7.97	22.00	7.46
	-5	-5.6	25.20	7.65	25.20	7.78	25.20	7.91	24.30	7.97	23.60	7.65	22.00	7.07
	-3	-3.7	26.20	7.78	26.20	7.91	25.20	7.84	24.30	7.52	23.60	7.26	22.00	6.68
	0	-0.7	27.80	7.91	26.80	7.78	25.20	7.26	24.30	7.01	23.60	6.68	22.00	6.21
	3	2.2	28.30	7.71	26.80	7.26	25.20	6.75	24.30	6.49	23.60	6.27	22.00	5.81
	5	4.1	28.30	7.39	26.80	6.94	25.20	6.49	24.30	6.23	23.60	6.01	22.00	5.57
	8.3	6.1	28.30	7.07	26.80	6.62	25.20	6.20	24.30	5.99	23.60	5.78	22.00	5.36
	9	7.9	28.30	6.81	26.80	6.38	25.20	5.96	24.30	5.76	23.60	5.56	22.00	5.16
	11	9.8	28.30	6.56	26.80	6.14	25.20	5.75	24.30	5.55	23.60	5.36	22.00	4.97
	13	11.8	28.30	6.31	26.80	5.91	25.20	5.53	24.30	5.35	23.60	5.16	22.00	4.80
	15	13.7	28.30	6.09	26.80	5.66	25.20	5.35	24.30	5.17	23.60	4.99	22.00	4.65
	19	14.2	28.30	5.88	26.80	5.56	25.20	5.13	24.30	4.98	23.60	4.78	22.00	4.53
	21	15	28.30	5.71	26.80	5.32	25.20	5.00	24.30	4.82	23.60	4.62	22.00	4.29

Capacity table

To be continued

Continued

Capacity Factor (%)	Outdoor Temp.		YCV280HR Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	20.00	7.33	20.00	7.52	20.00	7.65	20.00	7.71	20.00	7.78	19.20	7.97
	-12.6	-13	21.10	7.52	21.10	7.65	21.10	7.78	21.10	7.84	20.60	7.97	19.20	7.65
	-10.5	-11	22.20	7.65	22.20	7.78	22.10	7.91	21.30	7.97	20.60	7.71	19.20	7.13
	-9.5	-10	22.80	7.71	22.80	7.84	22.10	7.97	21.30	7.78	20.60	7.46	19.20	6.88
	-8.5	-9.1	23.30	7.78	23.30	7.91	22.10	7.84	21.30	7.58	20.60	7.26	19.20	6.75
	-7	-7.6	24.10	7.84	23.50	7.97	22.10	7.52	21.30	7.20	20.60	6.94	19.20	6.43
	-5	-5.6	24.90	7.97	23.50	7.58	22.10	7.07	21.30	6.81	20.60	6.56	19.20	6.09
	-3	-3.7	24.90	7.71	23.50	7.20	22.10	6.75	21.30	6.49	20.60	6.25	19.20	5.79
	0	-0.7	24.90	7.13	23.50	6.68	22.10	6.24	21.30	6.02	20.60	5.80	19.20	5.39
	3	2.2	24.90	6.68	23.50	6.24	22.10	5.83	21.30	5.63	20.60	5.44	19.20	5.05
	5	4.1	24.90	6.38	23.50	5.98	22.10	5.60	21.30	5.41	20.60	5.22	19.20	4.85
	8.3	6.1	24.90	6.12	23.50	5.75	22.10	5.38	21.30	5.20	20.60	5.02	19.20	4.67
	9	7.9	24.90	5.89	23.50	5.53	22.10	5.18	21.30	5.01	20.60	4.84	19.20	4.51
	11	9.8	24.90	5.67	23.50	5.33	22.10	5.00	21.30	4.83	20.60	4.63	19.20	4.35
	13	11.8	24.90	5.46	23.50	5.14	22.10	4.82	21.30	4.67	20.60	4.51	19.20	4.20
60	15	13.7	24.90	5.28	23.50	4.97	22.10	4.67	21.30	4.51	20.60	4.36	19.20	4.07
	19	14.2	24.90	5.01	23.50	4.83	22.10	4.54	21.30	4.30	20.60	4.12	19.20	3.91
	21	15	24.90	4.83	23.50	4.59	22.10	4.33	21.30	4.10	20.60	3.91	19.20	3.69
	-14.7	-15	20.00	7.71	20.00	7.84	18.90	7.97	18.30	7.71	17.70	7.46	16.50	6.88
	-12.6	-13	21.10	7.84	20.10	7.97	18.90	7.46	18.30	7.20	17.70	6.94	16.50	6.41
	-10.5	-11	21.30	7.97	20.10	7.52	18.90	7.01	18.30	6.75	17.70	6.49	16.50	6.02
	-9.5	-10	21.30	7.78	20.10	7.26	18.90	6.81	18.30	6.56	17.70	6.31	16.50	5.84
	-8.5	-9.1	21.30	7.58	20.10	7.07	18.90	6.62	18.30	6.37	17.70	6.14	16.50	5.69
	-7	-7.6	21.30	7.20	20.10	6.75	18.90	6.32	18.30	6.09	17.70	5.88	16.50	5.45
	-5	-5.6	21.30	6.81	20.10	6.40	18.90	5.98	18.30	5.77	17.70	5.57	16.50	5.17
	-3	-3.7	21.30	6.49	20.10	6.08	18.90	5.69	18.30	5.50	17.70	5.30	16.50	4.93
	0	-0.7	21.30	6.02	20.10	5.65	18.90	5.29	18.30	5.12	17.70	4.94	16.50	4.60
	3	2.2	21.30	5.63	20.10	5.29	18.90	4.96	18.30	4.80	17.70	4.64	16.50	4.33
	5	4.1	21.30	5.41	20.10	5.08	18.90	4.77	18.30	4.61	17.70	4.46	16.50	4.16
	8.3	6.1	21.30	5.19	20.10	4.89	18.90	4.60	18.30	4.45	17.70	4.30	16.50	4.01
50	9	7.9	21.30	5.01	20.10	4.72	18.90	4.43	18.30	4.29	17.70	4.15	16.50	3.88
	11	9.8	21.30	4.83	20.10	4.55	18.90	4.28	18.30	4.15	17.70	4.01	16.50	3.75
	13	11.8	21.30	4.66	20.10	4.40	18.90	4.13	18.30	4.00	17.70	3.88	16.50	3.63
	15	13.7	21.30	4.51	20.10	4.25	18.90	4.00	18.30	3.88	17.70	3.76	16.50	3.52
	19	14.2	21.30	4.38	20.10	4.05	18.90	3.88	18.30	3.76	17.70	3.62	16.50	3.37
	21	15	21.30	4.20	20.10	3.93	18.90	3.72	18.30	3.64	17.70	3.50	16.50	3.24
	-14.7	-15	17.80	7.46	16.80	7.01	15.80	6.56	15.20	6.31	14.70	6.08	13.70	5.64
	-12.6	-13	17.80	7.01	16.80	6.56	15.80	6.11	15.20	5.90	14.70	5.69	13.70	5.28
	-10.5	-11	17.80	6.56	16.80	6.13	15.80	5.73	15.20	5.54	14.70	5.35	13.70	4.97
	-9.5	-10	17.80	6.34	16.80	5.95	15.80	5.57	15.20	5.38	14.70	5.19	13.70	4.83
	-8.5	-9.1	17.80	6.17	16.80	5.79	15.80	5.42	15.20	5.24	14.70	5.06	13.70	4.70
	-7	-7.6	17.80	5.91	16.80	5.55	15.80	5.20	15.20	5.03	14.70	4.86	13.70	4.52
	-5	-5.6	17.80	5.60	16.80	5.26	15.80	4.94	15.20	4.78	14.70	4.61	13.70	4.30
	-3	-3.7	17.80	5.33	16.80	5.02	15.80	4.71	15.20	4.56	14.70	4.41	13.70	4.11
	0	-0.7	17.80	4.97	16.80	4.68	15.80	4.40	15.20	4.26	14.70	4.12	13.70	3.85
	3	2.2	17.80	4.66	16.80	4.40	15.80	4.14	15.20	4.01	14.70	3.88	13.70	3.63
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCV335HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	23.60	5.49	23.60	5.77	23.60	6.08	23.60	6.21	23.60	6.36	23.60	6.66
	-12.6	-13	24.80	5.74	24.80	6.04	24.80	6.30	24.80	6.43	24.80	6.58	24.80	6.86
	-10.5	-11	26.00	6.00	26.00	6.25	26.00	6.51	26.00	6.64	26.00	6.76	26.00	7.02
	-9.5	-10	27.10	6.11	27.10	6.34	27.10	6.60	27.10	6.75	27.10	6.86	27.10	7.11
	-8.5	-9.1	28.20	6.19	28.20	6.43	28.20	6.68	28.20	6.83	28.20	6.94	28.20	7.18
	-7	-7.6	29.50	6.34	29.50	6.58	29.50	6.83	29.50	6.94	29.50	7.05	29.50	7.29
	-5	-5.6	30.80	6.51	30.80	6.75	30.80	6.97	30.80	7.09	30.80	7.20	30.80	7.43
	-3	-3.7	32.00	6.68	32.00	6.90	32.00	7.11	32.00	7.23	32.00	7.33	32.00	7.58
	0	-0.7	33.50	6.90	33.50	7.11	33.50	7.31	33.50	7.41	33.50	7.50	33.50	7.72
	3	2.2	34.80	7.09	34.80	7.27	34.80	7.47	34.80	7.58	34.80	7.65	34.80	7.88
	5	4.1	36.20	7.20	36.20	7.39	36.20	7.58	36.20	7.65	36.20	7.80	36.20	7.95
	8.3	6.1	37.50	7.31	37.50	7.49	37.50	7.65	37.50	7.72	37.50	7.88	37.50	8.02
	9	7.9	38.90	7.39	38.90	7.58	38.90	7.72	38.90	7.88	38.90	7.95	38.90	8.10
	11	9.8	40.50	7.50	40.50	7.65	40.50	7.88	40.50	7.95	40.50	8.02	40.50	8.18
	13	11.8	41.10	7.58	41.10	7.72	41.10	7.95	41.10	8.02	41.10	8.10	41.10	8.25
120	15	13.7	42.30	7.65	42.30	7.80	42.30	8.02	42.30	8.10	42.30	8.18	42.30	8.33
	19	14.2	42.30	7.80	42.30	7.95	42.30	8.10	42.30	8.18	42.30	8.25	42.30	8.10
	21	15	42.30	7.95	42.30	8.10	42.30	8.18	42.30	8.25	42.30	8.33	42.30	7.72
	-14.7	-15	23.60	5.89	23.60	6.15	23.60	6.42	23.60	6.55	23.60	6.68	23.60	6.96
	-12.6	-13	24.80	6.12	24.80	6.38	24.80	6.64	24.80	6.75	24.80	6.86	24.80	7.13
	-10.5	-11	26.00	6.34	26.00	6.56	26.00	6.83	26.00	6.94	26.00	7.05	26.00	7.31
	-9.5	-10	27.10	6.45	27.10	6.68	27.10	6.90	27.10	7.02	27.10	7.13	27.10	7.39
	-8.5	-9.1	28.20	6.52	28.20	6.75	28.20	6.97	28.20	7.09	28.20	7.20	28.20	7.43
	-7	-7.6	29.50	6.66	29.50	6.88	29.50	7.09	29.50	7.20	29.50	7.31	29.50	7.58
	-5	-5.6	30.80	6.83	30.80	7.04	30.80	7.24	30.80	7.35	30.80	7.47	30.80	7.65
	-3	-3.7	32.00	6.97	32.00	7.16	32.00	7.39	32.00	7.50	32.00	7.58	32.00	7.80
	0	-0.7	33.50	7.18	33.50	7.37	33.50	7.58	33.50	7.65	33.50	7.72	33.50	7.50
	3	2.2	34.80	7.35	34.80	7.50	34.80	7.72	34.80	7.80	34.80	7.88	34.80	8.10
	5	4.1	36.20	7.47	36.20	7.65	36.20	7.80	36.20	7.88	36.20	7.95	36.20	8.18
	8.3	6.1	37.50	7.58	37.50	7.72	37.50	7.88	37.50	7.95	37.50	8.02	37.50	8.25
	9	7.9	38.90	7.65	38.90	7.80	38.90	7.95	38.90	8.02	38.90	8.10	39.20	8.33
110	11	9.8	40.50	7.72	40.50	7.88	40.50	8.02	40.50	8.10	40.50	8.18	39.20	8.18
	13	11.8	41.10	7.80	41.10	7.95	41.10	8.10	41.10	8.18	41.10	8.25	39.20	7.88
	15	13.7	42.30	7.88	42.30	8.02	42.30	8.18	42.30	8.25	42.10	8.25	39.20	7.58
	19	14.2	42.30	8.10	42.30	8.25	42.30	8.33	42.30	8.18	42.10	8.02	39.20	7.50
	21	15	42.30	8.25	42.30	8.10	42.30	8.02	42.30	7.95	42.10	7.72	39.20	7.39
	-14.7	-15	23.60	6.27	23.60	6.52	23.60	6.75	23.60	6.89	23.60	7.02	23.60	7.24
	-12.6	-13	24.80	6.49	24.80	6.73	24.80	6.94	24.80	7.09	24.80	7.20	24.80	7.43
	-10.5	-11	26.00	6.69	26.00	6.90	26.00	7.13	26.00	7.24	26.00	7.35	26.00	7.58
	-9.5	-10	27.10	6.79	27.10	7.02	27.10	7.20	27.10	7.31	27.10	7.43	27.10	7.65
	-8.5	-9.1	28.20	6.86	28.20	7.09	28.20	7.27	28.20	7.39	28.20	7.50	28.20	7.72
	-7	-7.6	29.50	6.97	29.50	7.18	29.50	7.39	29.50	7.48	29.50	7.58	29.50	7.80
	-5	-5.6	30.80	7.13	30.80	7.33	30.80	7.50	30.80	7.65	30.80	7.72	30.80	7.88
	-3	-3.7	32.00	7.27	32.00	7.47	32.00	7.65	32.00	7.72	32.00	7.88	32.00	8.02
	0	-0.7	33.50	7.47	33.50	7.65	33.50	7.80	33.50	7.88	33.50	7.95	33.50	8.18
	3	2.2	34.80	7.65	34.80	7.80	34.80	7.95	34.80	8.02	34.80	8.10	34.80	8.25
	5	4.1	36.20	7.72	36.20	7.88	36.20	8.02	36.20	8.10	36.20	8.18	36.00	8.25
	8.3	6.1	37.50	7.80	37.50	7.95	37.50	8.10	37.50	8.18	37.50	8.25	36.00	7.88
	9	7.9	38.90	7.88	38.90	8.02	38.90	8.18	38.90	8.25	38.60	8.10	36.00	7.65
	11	9.8	40.50	7.95	40.50	8.10	40.50	8.25	39.90	8.33	38.60	8.02	36.00	7.39
	13	11.8	41.10	8.02	41.10	8.18	41.10	8.33	39.90	8.02	38.60	7.72	36.00	7.13
	15	13.7	42.30	8.10	42.30	8.25	41.30	8.02	39.90	7.72	38.60	7.47	36.00	6.86
	19	14.2	42.30	8.25	42.30	8.10	41.30	7.72	39.90	7.39	38.60	7.09	36.00	6.73
	21	15	42.30	8.10	42.30	7.88	41.30	7.50	39.90	7.13	38.60	6.93	36.00	6.60

To be continued

YCV335HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-14.7	-15	23.60	6.66	23.60	6.89	23.60	7.10	23.60	7.24	23.60	7.31	23.60	7.50
	-12.6	-13	24.80	6.86	24.80	7.09	24.80	7.27	24.80	7.39	24.80	7.50	24.80	7.72
	-10.5	-11	26.00	7.04	26.00	7.24	26.00	7.43	26.00	7.58	26.00	7.65	26.00	7.80
	-9.5	-10	27.10	7.13	27.10	7.31	27.10	7.50	27.10	7.58	27.10	7.72	27.10	7.88
	-8.5	-9.1	28.20	7.19	28.20	7.39	28.20	7.58	28.20	7.65	28.20	7.80	28.20	7.95
	-7	-7.6	29.50	7.31	29.50	7.50	29.50	7.65	29.50	7.80	29.50	7.88	29.50	8.02
	-5	-5.6	30.80	7.43	30.80	7.65	30.80	7.80	30.80	7.88	30.80	7.95	30.80	8.18
	-3	-3.7	32.00	7.58	32.00	7.72	32.00	7.88	32.00	7.95	32.00	8.10	32.00	8.25
	0	-0.7	33.50	7.72	33.50	7.88	33.50	8.02	33.50	8.10	33.50	8.18	32.60	8.18
	3	2.2	34.80	7.88	34.80	8.02	34.80	8.18	34.80	8.25	34.80	8.33	32.60	7.72
	5	4.1	36.20	7.95	36.20	8.10	36.20	8.25	36.20	8.33	35.10	8.02	32.60	7.39
	8.3	6.1	37.50	8.02	37.50	8.18	37.50	9.15	36.20	8.02	35.10	7.72	32.60	7.13
	9	7.9	38.90	8.10	38.70	8.25	37.50	8.02	36.20	7.72	35.10	7.43	32.60	6.86
	11	9.8	40.50	8.18	39.80	8.33	37.50	7.72	36.20	7.47	35.10	7.16	32.60	7.39
	13	11.8	41.10	8.25	39.80	7.95	37.50	7.47	36.20	7.17	35.10	6.94	32.60	6.41
90	15	13.7	42.30	8.25	39.80	7.72	37.50	7.20	36.20	6.94	35.10	6.72	32.60	6.19
	19	14.2	42.30	7.95	39.80	7.50	37.50	7.02	36.20	6.64	35.10	6.34	32.60	5.85
	21	15	42.30	7.79	39.80	7.24	37.50	6.75	36.20	6.38	35.10	6.00	32.60	5.61
	-14.7	-15	23.60	7.05	23.60	7.25	23.60	7.47	23.60	7.58	23.60	7.65	23.60	7.80
	-12.6	-13	24.80	7.24	24.80	7.43	24.80	7.58	24.80	7.72	24.80	7.72	24.80	7.95
	-10.5	-11	26.00	7.39	26.00	7.58	26.00	7.72	26.00	7.88	26.00	7.88	26.00	8.02
	-9.5	-10	27.10	7.48	27.10	7.65	27.10	7.88	27.10	7.95	27.10	7.95	27.10	8.18
	-8.5	-9.1	28.20	7.50	28.20	7.72	28.20	7.95	28.20	8.02	28.20	8.02	28.20	8.25
	-7	-7.6	29.50	7.65	29.50	7.80	29.50	8.02	29.50	8.10	29.50	8.18	29.50	8.33
	-5	-5.6	30.80	7.72	30.80	7.88	30.80	8.10	30.80	8.18	30.80	8.25	29.40	8.10
	-3	-3.7	32.00	7.88	32.00	8.02	32.00	8.18	32.00	8.25	32.00	8.33	29.40	7.88
	0	-0.7	33.50	8.02	33.50	8.18	33.50	8.33	32.60	8.10	31.50	7.95	29.40	7.13
	3	2.2	34.80	8.18	35.80	8.25	33.70	7.95	32.60	7.72	31.50	7.39	29.40	6.84
	5	4.1	36.20	8.25	35.80	8.25	33.70	7.65	32.60	7.39	31.50	7.13	29.40	6.59
	8.3	6.1	37.50	8.33	35.80	7.95	33.70	7.39	32.60	7.13	31.50	6.86	29.40	6.34
80	9	7.9	38.00	8.18	35.80	7.65	33.70	7.13	32.60	6.86	31.50	6.61	29.40	6.11
	11	9.8	38.00	7.88	35.80	7.35	33.70	6.86	32.60	6.64	31.50	6.39	29.40	5.93
	13	11.8	38.00	7.58	35.80	7.10	33.70	6.64	32.60	6.41	31.50	6.19	29.40	5.74
	15	13.7	38.00	7.32	35.80	6.86	33.70	6.41	32.60	6.19	31.50	6.00	29.40	5.55
	19	14.2	38.00	7.09	35.80	6.66	33.70	6.22	32.60	5.95	31.50	5.73	29.40	5.27
	21	15	38.00	6.75	35.80	6.27	33.70	6.02	32.60	5.70	31.50	5.40	29.40	5.09
	-14.7	-15	23.60	7.43	23.60	7.65	23.60	7.80	23.60	7.88	23.60	7.95	23.60	8.10
	-12.6	-13	24.80	7.58	24.80	7.80	24.80	7.95	24.80	8.02	24.80	8.10	24.80	8.25
	-10.5	-11	26.00	7.72	26.00	7.88	26.00	8.02	26.00	8.10	26.00	8.25	26.10	8.25
	-9.5	-10	27.10	7.80	27.10	7.95	27.10	8.10	27.10	8.18	27.10	8.25	26.10	8.02
	-8.5	-9.1	28.20	7.88	28.20	8.02	28.20	8.18	28.20	8.25	28.20	8.33	26.10	7.72
	-7	-7.6	29.50	7.95	29.50	8.10	29.50	8.25	29.50	8.33	28.00	8.10	26.10	7.50
	-5	-5.6	30.80	8.10	30.80	8.18	30.80	8.33	29.00	8.02	28.00	7.72	26.10	7.14
	-3	-3.7	32.00	8.18	32.00	8.33	30.00	7.95	29.00	7.65	28.00	7.39	26.10	6.84
	0	-0.7	33.50	8.33	31.80	7.88	30.00	7.44	29.00	7.17	28.00	6.90	26.10	6.40
	3	2.2	33.80	8.02	31.80	7.50	30.00	7.02	29.00	6.75	28.00	6.49	26.10	6.04
	5	4.1	33.80	7.72	31.80	7.20	30.00	6.72	29.00	6.49	28.00	6.27	26.10	5.81
	8.3	6.1	33.80	7.41	31.80	6.94	30.00	6.49	29.00	6.27	28.00	6.04	26.10	5.59
	9	7.9	33.80	7.13	31.80	6.68	30.00	6.27	29.00	6.04	28.00	5.83	26.10	5.40
	11	9.8	33.80	6.90	31.80	6.45	30.00	6.04	29.00	5.84	28.00	5.63	26.10	5.25
	13	11.8	33.80	6.66	31.80	6.25	30.00	5.85	29.00	5.64	28.00	5.44	26.10	5.06
	15	13.7	33.80	6.45	31.80	6.04	30.00	5.66	29.00	5.47	28.00	5.29	26.10	4.91
	19	14.2	33.80	6.22	31.80	5.86	30.00	5.50	29.00	5.22	28.00	5.06	26.10	4.68
	21	15	33.80	6.00	31.80	5.67	30.00	5.26	29.00	5.00	28.00	4.81	26.10	4.48

To be continued

Continued

YCV335HR			Heating Capacity											
Capacity Factor (%)	Outdoor Temp.		Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	23.60	7.80	23.60	7.95	23.60	8.18	23.60	8.25	23.60	8.33	22.90	8.02
	-12.6	-13	24.80	7.95	24.80	8.10	24.80	8.25	24.80	8.33	24.50	8.10	22.90	7.58
	-10.5	-11	26.00	8.02	26.00	8.25	26.20	8.25	25.30	7.88	24.50	7.72	22.90	7.16
	-9.5	-10	27.10	8.10	27.10	8.25	26.20	8.02	25.30	7.72	24.50	7.50	22.90	6.90
	-8.5	-9.1	28.20	8.18	28.20	8.33	26.20	7.80	25.30	7.50	24.50	7.28	22.90	6.75
	-7	-7.6	29.50	8.25	27.90	8.02	26.20	7.58	25.30	7.27	24.50	7.02	22.90	6.49
	-5	-5.6	29.60	8.25	27.90	7.72	26.20	7.16	25.30	6.94	24.50	6.68	22.90	6.19
	-3	-3.7	29.60	7.88	27.90	7.35	26.20	6.86	25.30	6.64	24.50	6.38	22.90	5.91
	0	-0.7	29.60	7.34	27.90	6.86	26.20	6.41	25.30	6.19	24.50	5.99	22.90	5.54
	3	2.2	29.60	6.90	27.90	6.49	26.20	6.04	25.30	5.84	24.50	5.63	22.90	5.25
	5	4.1	29.60	6.64	27.90	6.22	26.20	5.81	25.30	5.63	24.50	5.44	22.90	5.06
	8.3	6.1	29.60	6.40	27.90	6.00	26.20	5.63	25.30	5.44	24.50	5.25	22.90	4.88
	9	7.9	29.60	6.19	27.90	5.81	26.20	5.44	25.30	5.25	24.50	5.06	22.90	4.72
	11	9.8	29.60	5.97	27.90	5.60	26.20	5.25	25.30	5.07	24.50	4.91	22.90	4.58
60	13	11.8	29.60	5.76	27.90	5.43	26.20	5.08	25.30	4.91	24.50	4.77	22.90	4.43
	15	13.7	29.60	5.59	27.90	5.25	26.20	4.94	25.30	4.77	24.50	4.61	22.90	4.31
	19	14.2	29.60	5.42	27.90	5.02	26.20	4.76	25.30	4.69	24.50	4.40	22.90	4.17
	21	15	29.60	5.16	27.90	4.72	26.20	4.51	25.30	4.34	24.50	4.20	22.90	3.93
	-14.7	-15	23.60	8.25	23.60	8.33	22.40	7.88	21.80	7.50	21.00	7.27	19.50	6.72
	-12.6	-13	24.80	8.33	23.90	7.88	22.40	7.35	21.80	7.09	21.00	6.84	19.50	6.34
	-10.5	-11	25.30	7.88	23.90	7.50	22.40	6.97	21.80	6.72	21.00	6.49	19.50	6.00
	-9.5	-10	25.30	7.72	23.90	7.25	22.40	6.75	21.80	6.52	21.00	6.30	19.50	5.84
	-8.5	-9.1	25.30	7.50	23.90	7.09	22.40	6.62	21.80	6.38	21.00	6.15	19.50	5.70
	-7	-7.6	25.30	7.27	23.90	6.83	22.40	6.38	21.80	6.15	21.00	5.98	19.50	5.52
	-5	-5.6	25.30	6.94	23.90	6.49	22.40	6.08	21.80	5.85	21.00	5.63	19.50	5.25
	-3	-3.7	25.30	6.66	23.90	6.21	22.40	5.81	21.80	5.63	21.00	5.44	19.50	5.04
	0	-0.7	25.30	6.19	23.90	5.81	22.40	5.46	21.80	5.25	21.00	5.09	19.50	4.72
	3	2.2	25.30	5.82	23.90	5.50	22.40	5.16	21.80	4.95	21.00	4.80	19.50	4.50
	5	4.1	25.30	5.63	23.90	5.29	22.40	4.95	21.80	4.80	21.00	4.65	19.50	4.35
50	8.3	6.1	25.30	5.44	23.90	5.11	22.40	4.80	21.80	4.65	21.00	4.50	19.50	4.20
	9	7.9	25.30	5.25	23.90	4.95	22.40	4.65	21.80	4.50	21.00	4.35	19.50	4.06
	11	9.8	25.30	5.07	23.90	4.77	22.40	4.50	21.80	4.35	21.00	4.24	19.50	3.93
	13	11.8	25.30	4.91	23.90	4.62	22.40	4.35	21.80	4.24	21.00	4.09	19.50	3.82
	15	13.7	25.30	4.77	23.90	4.50	22.40	4.24	21.80	4.10	21.00	3.98	19.50	3.71
	19	14.2	25.30	4.58	23.90	4.34	22.40	4.02	21.80	3.87	21.00	3.77	19.50	3.57
	21	15	25.30	4.35	23.90	4.14	22.40	3.86	21.80	3.74	21.00	3.64	19.50	3.37
	-14.7	-15	21.10	7.29	19.90	6.83	18.70	6.38	18.10	6.16	17.50	5.97	16.30	5.52
	-12.6	-13	21.10	6.86	19.90	6.45	18.70	6.04	18.10	5.83	17.50	5.63	16.30	5.25
	-10.5	-11	21.10	6.50	19.90	6.11	18.70	5.73	18.10	5.52	17.50	5.33	16.30	4.95
	-9.5	-10	21.10	6.34	19.90	5.93	18.70	5.59	18.10	5.39	17.50	5.22	16.30	4.84
	-8.5	-9.1	21.10	6.19	19.90	5.81	18.70	5.44	18.10	5.25	17.50	5.09	16.30	4.72
	-7	-7.6	21.10	5.97	19.90	5.59	18.70	5.25	18.10	5.08	17.50	4.91	16.30	4.58
	-5	-5.6	21.10	5.68	19.90	5.36	18.70	5.01	18.10	4.84	17.50	4.68	16.30	4.39
	-3	-3.7	21.10	5.44	19.90	5.14	18.70	4.81	18.10	4.66	17.50	4.50	16.30	4.20
	0	-0.7	21.10	5.10	19.90	4.84	18.70	4.54	18.10	4.39	17.50	4.25	16.30	3.98
	3	2.2	21.10	4.84	19.90	4.56	18.70	4.28	18.10	4.16	17.50	4.02	16.30	3.75
	5	4.1	21.10	4.66	19.90	4.41	18.70	4.16	18.10	4.02	17.50	3.90	16.30	3.68
	8.3	6.1	21.10	4.50	19.90	4.26	18.70	4.02	18.10	3.90	17.50	3.79	16.30	3.52
	9	7.9	21.10	4.36	19.90	4.13	18.70	3.90	18.10	3.79	17.50	3.66	16.30	3.45
	11	9.8	21.10	4.24	19.90	4.02	18.70	3.79	18.10	3.68	17.50	3.56	16.30	3.34
	13	11.8	21.10	4.10	19.90	3.87	18.70	3.66	18.10	3.56	17.50	3.45	16.30	3.23
	15	13.7	21.10	3.99	19.90	3.79	18.70	3.56	18.10	3.49	17.50	3.35	16.30	3.15
	19	14.2	21.10	3.85	19.90	3.65	18.70	3.39	18.10	3.30	17.50	3.19	16.30	3.06
	21	15	21.10	3.73	19.90	3.38	18.70	3.23	18.10	3.18	17.50	3.07	16.30	2.94
TC: total capacity, kW														
Pl: power input, kW (compressor+outdoor motor)														

YCV400HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130	-14.7	-15	26.80	6.96	26.80	7.37	26.80	7.78	26.80	7.98	26.80	8.19	26.80	8.60
	-12.6	-13	28.40	7.39	28.40	7.78	28.40	8.16	28.40	8.35	28.40	8.55	28.40	8.93
	-10.5	-11	30.20	7.77	30.20	8.13	30.20	8.50	30.20	8.68	30.20	8.87	30.20	9.21
	-9.5	-10	31.20	7.95	31.20	8.30	31.20	8.65	31.20	8.83	31.20	9.01	31.20	9.38
	-8.5	-9.1	31.90	8.10	31.90	8.44	31.90	8.78	31.90	8.96	31.90	9.11	31.90	9.47
	-7	-7.6	33.20	8.33	33.20	8.66	33.20	8.99	33.20	9.21	33.20	9.29	33.20	9.66
	-5	-5.6	35.00	8.60	35.00	8.92	35.00	9.21	35.00	9.38	35.00	9.56	35.00	9.84
	-3	-3.7	36.60	8.86	36.60	9.11	36.60	9.47	36.60	9.66	36.60	9.74	36.60	10.10
	0	-0.7	39.20	9.21	39.20	9.47	39.20	9.74	39.20	9.92	39.20	10.01	39.20	10.29
	3	2.2	41.70	9.47	41.70	9.74	41.70	10.01	41.70	10.10	41.70	10.29	41.70	10.55
	5	4.1	43.30	9.66	43.30	9.92	43.30	10.19	43.30	10.29	43.30	10.47	43.30	10.64
	8.3	6.1	45.00	9.84	45.00	10.10	45.00	10.29	45.00	10.47	45.00	10.55	45.00	10.82
	9	7.9	46.60	9.92	46.60	10.19	46.60	10.47	46.60	10.55	46.60	10.64	46.60	10.92
	11	9.8	48.20	10.10	48.20	10.29	48.20	10.55	48.20	10.64	48.20	10.82	48.20	11.00
	13	11.8	49.00	10.19	49.00	10.47	49.00	10.64	49.00	10.82	49.00	10.92	49.00	11.10
	15	13.7	51.60	10.37	51.60	10.55	51.60	10.74	51.60	10.92	51.60	11.00	51.00	11.00
	19	14.2	51.60	10.47	51.60	10.67	51.60	10.83	51.60	11.01	51.60	11.11	51.00	10.78
	21	15	51.60	10.55	51.60	10.77	51.60	10.94	51.60	11.07	51.60	10.93	51.00	10.68
120	-14.7	-15	26.80	7.51	26.80	7.89	26.80	8.27	26.80	8.46	26.80	8.65	26.80	9.02
	-12.6	-13	28.40	7.91	28.40	8.27	28.40	8.62	28.40	8.80	28.40	8.99	28.40	9.38
	-10.5	-11	30.20	8.27	30.20	8.59	30.20	8.93	30.20	9.11	30.20	9.29	30.20	9.66
	-9.5	-10	31.20	8.43	31.20	8.75	31.20	9.11	31.20	9.21	31.20	9.38	31.20	9.74
	-8.5	-9.1	31.90	8.56	31.90	8.88	31.90	9.21	31.90	9.38	31.90	9.56	31.90	9.84
	-7	-7.6	33.20	8.77	33.20	9.11	33.20	9.38	33.20	9.56	33.20	9.66	33.20	10.01
	-5	-5.6	35.00	9.02	35.00	9.29	35.00	9.66	35.00	9.74	35.00	9.95	35.00	10.19
	-3	-3.7	36.60	9.29	36.60	9.56	36.60	9.84	36.60	9.92	36.60	10.14	36.60	10.37
	0	-0.7	39.20	9.56	39.20	9.84	39.20	10.10	39.20	10.19	39.20	10.37	39.20	10.64
	3	2.2	41.70	9.84	41.70	10.10	41.70	10.37	41.70	10.47	41.70	10.55	41.70	10.82
	5	4.1	43.30	10.01	43.30	10.19	43.30	10.47	43.30	10.55	43.30	10.74	43.30	10.92
	8.3	6.1	45.00	10.10	45.00	10.37	45.00	10.64	45.00	10.74	45.00	10.82	45.00	11.10
	9	7.9	46.60	10.29	46.60	10.47	46.60	10.74	46.60	10.82	46.60	10.92	46.60	11.19
	11	9.8	48.20	10.37	48.20	10.64	48.20	10.82	48.20	10.92	48.20	11.00	47.10	10.82
	13	11.8	49.00	10.55	49.00	10.74	49.00	10.92	49.00	11.00	49.00	11.19	47.10	10.47
	15	13.7	51.60	10.64	51.60	10.82	51.60	11.00	51.60	11.10	50.50	10.92	47.10	10.01
	19	14.2	51.60	10.73	51.60	10.92	51.60	11.01	51.60	10.99	50.50	10.73	47.10	9.77
	21	15	51.60	10.84	51.60	11.00	51.60	11.08	51.60	10.91	50.50	10.40	47.10	9.60
110	-14.7	-15	26.80	8.07	26.80	8.42	26.80	8.75	26.80	8.93	26.80	9.11	26.80	9.47
	-12.6	-13	28.40	8.43	28.40	8.76	28.40	9.11	28.40	9.29	28.40	9.38	28.40	9.74
	-10.5	-11	30.20	8.75	30.20	9.02	30.20	9.38	30.20	9.56	30.20	9.66	30.20	10.01
	-9.5	-10	31.20	8.90	31.20	9.21	31.20	9.47	31.20	9.66	31.20	9.84	31.20	10.10
	-8.5	-9.1	31.90	9.02	31.90	9.29	31.90	9.66	31.90	9.76	31.90	9.92	31.90	10.19
	-7	-7.6	33.20	9.21	33.20	9.47	33.20	9.74	33.20	9.95	33.20	10.10	33.20	10.37
	-5	-5.6	35.00	9.47	35.00	9.74	35.00	10.01	35.00	10.14	35.00	10.29	35.00	10.55
	-3	-3.7	36.60	9.66	36.60	9.92	36.60	10.19	36.60	10.24	36.60	10.47	36.60	10.64
	0	-0.7	39.20	9.92	39.20	10.19	39.20	10.47	39.20	10.53	39.20	10.64	39.20	10.92
	3	2.2	41.70	10.19	41.70	10.47	41.70	10.64	41.70	10.74	41.70	10.92	41.70	11.10
	5	4.1	43.30	10.37	43.30	10.55	43.30	10.74	43.30	10.92	43.30	11.00	43.20	11.10
	8.3	6.1	45.00	10.47	45.00	10.64	45.00	10.92	45.00	11.00	45.00	11.10	43.20	10.64
	9	7.9	46.60	10.64	46.60	10.82	46.60	11.00	46.60	11.10	46.30	11.10	43.20	10.19
	11	9.8	48.20	10.74	48.20	10.92	48.20	11.10	47.90	11.10	46.30	10.64	43.20	9.84
	13	11.8	49.00	10.82	49.00	11.00	49.60	11.00	47.90	10.64	46.30	10.19	43.20	9.47
	15	13.7	51.60	10.92	51.60	11.10	49.60	10.64	47.90	10.29	46.30	9.84	43.20	9.11
	19	14.2	51.60	10.20	51.60	10.99	49.60	10.30	47.90	9.87	46.30	9.50	43.20	8.81
	21	15	51.60	10.29	51.60	10.68	49.60	9.75	47.90	9.57	46.30	9.23	43.20	8.69

YCV400HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	26.80	8.62	26.80	8.94	26.80	9.29	26.80	9.38	26.80	9.56	26.80	9.92
	-12.6	-13	28.40	8.96	28.40	9.29	28.40	9.56	28.40	9.66	28.40	9.84	28.40	10.10
	-10.5	-11	30.20	9.29	30.20	9.56	30.20	9.84	30.20	9.92	30.20	10.10	30.20	10.37
	-9.5	-10	31.20	9.38	31.20	9.66	31.20	9.92	31.20	10.10	31.20	10.19	31.20	10.47
	-8.5	-9.1	31.90	9.47	31.90	9.74	31.90	10.01	31.90	10.24	31.90	10.29	31.90	10.55
	-7	-7.6	33.20	9.66	33.20	9.92	33.20	10.19	33.20	10.24	33.20	10.47	33.20	10.74
	-5	-5.6	35.00	9.92	35.00	10.10	35.00	10.37	35.00	10.43	35.00	10.64	35.00	10.82
	-3	-3.7	36.60	10.10	36.60	10.29	36.60	10.55	36.60	10.62	36.60	10.74	36.60	11.00
	0	-0.7	39.20	10.37	39.20	10.55	39.20	10.74	39.20	10.91	39.20	11.00	39.30	11.19
	3	2.2	41.70	10.55	41.70	10.74	41.70	11.00	41.70	11.10	41.70	11.19	39.30	10.47
	5	4.1	43.30	10.64	43.30	10.92	43.30	11.10	43.30	11.19	42.10	10.82	39.30	10.01
	8.3	6.1	45.00	10.82	45.00	11.00	45.00	11.10	43.60	10.74	42.10	10.37	39.30	9.56
	9	7.9	46.60	10.92	46.60	11.10	45.00	10.74	43.60	10.37	42.10	9.92	39.30	9.21
	11	9.8	48.20	11.00	47.90	11.10	45.00	10.29	43.60	9.92	42.10	9.56	39.30	8.85
	13	11.8	49.00	11.10	47.90	10.64	45.00	9.92	43.60	9.56	42.10	9.21	39.30	8.52
90	15	13.7	50.70	10.92	47.90	10.29	45.00	9.56	43.60	9.21	42.10	8.88	39.30	8.22
	19	14.2	50.70	10.63	47.90	9.93	45.00	9.32	43.60	8.82	42.10	8.54	39.30	8.00
	21	15	50.70	10.29	47.90	9.50	45.00	8.98	43.60	8.69	42.10	8.28	39.30	7.82
	-14.7	-15	26.80	9.21	26.80	9.47	26.80	9.74	26.80	9.92	26.80	10.01	26.80	10.29
	-12.6	-13	28.40	9.47	28.40	9.74	28.40	10.01	28.40	10.10	28.40	10.29	28.40	10.55
	-10.5	-11	30.20	9.74	30.20	10.01	30.20	10.29	30.20	10.37	30.20	10.47	30.20	10.74
	-9.5	-10	31.20	9.84	31.20	10.10	31.20	10.37	31.20	10.47	31.20	10.55	31.20	10.82
	-8.5	-9.1	31.90	9.92	31.90	10.19	31.90	10.47	31.90	10.55	31.90	10.64	31.90	10.92
	-7	-7.6	33.20	10.10	33.20	10.37	33.20	10.55	33.20	10.74	33.20	10.82	33.20	11.00
	-5	-5.6	35.00	10.29	35.00	10.55	35.00	10.74	35.00	10.82	35.00	11.00	35.00	11.19
	-3	-3.7	36.60	10.47	36.60	10.74	36.60	10.92	36.60	11.00	36.60	11.10	35.20	10.74
	0	-0.7	39.20	10.74	39.20	10.92	39.20	11.10	39.10	11.19	37.80	10.74	35.20	9.92
	3	2.2	41.70	10.92	41.70	11.10	40.60	10.82	39.10	10.47	37.80	10.01	35.20	9.29
	5	4.1	43.30	11.00	43.20	11.10	40.60	10.37	39.10	10.01	37.80	9.56	35.20	8.88
	8.3	6.1	45.00	11.10	43.20	10.64	40.60	9.92	39.10	9.56	37.80	9.21	35.20	8.53
80	9	7.9	45.80	10.92	43.20	10.19	40.60	9.56	39.10	9.21	37.80	8.86	35.20	8.20
	11	9.8	45.80	10.47	43.20	9.84	40.60	9.21	39.10	8.84	37.80	8.53	35.20	7.90
	13	11.8	45.80	10.10	43.20	9.47	40.60	8.81	39.10	8.51	37.80	8.21	35.20	7.62
	15	13.7	45.80	9.74	43.20	9.11	40.60	8.51	39.10	8.22	37.80	7.93	35.20	7.35
	19	14.2	45.80	9.50	43.20	8.85	40.60	8.24	39.10	7.97	37.80	7.65	35.20	7.09
	21	15	45.80	9.16	43.20	8.53	40.60	8.09	39.10	7.71	37.80	7.38	35.20	6.80
	-14.7	-15	26.80	9.74	26.80	10.01	26.80	10.29	26.80	10.37	26.80	10.47	26.80	10.74
	-12.6	-13	28.40	10.01	28.40	10.19	28.40	10.47	28.40	10.55	28.40	10.74	28.40	10.92
	-10.5	-11	30.20	10.19	30.20	10.47	30.20	10.64	30.20	10.82	30.20	10.92	30.20	11.10
	-9.5	-10	31.20	10.37	31.20	10.55	31.20	10.74	31.20	10.92	31.20	11.00	31.20	11.19
	-8.5	-9.1	31.90	10.47	31.90	10.64	31.90	10.82	31.90	11.00	31.90	11.10	31.30	11.00
	-7	-7.6	33.20	10.55	33.20	10.74	33.20	11.00	33.20	11.10	33.20	11.19	31.30	10.47
	-5	-5.6	35.00	10.74	35.00	10.92	35.00	11.10	34.80	11.19	33.70	10.74	31.30	9.92
	-3	-3.7	36.60	10.92	36.60	11.10	36.00	11.00	34.80	10.55	33.70	10.19	31.30	9.38
	0	-0.7	39.20	11.10	38.30	10.92	36.00	10.19	34.80	9.84	33.70	9.38	31.30	8.72
	3	2.2	40.70	10.82	38.30	10.19	36.00	9.47	34.80	9.11	33.70	8.80	31.30	8.15
	5	4.1	40.70	10.37	38.30	9.74	36.00	9.11	34.80	8.75	33.70	8.43	31.30	7.82
	8.3	6.1	40.70	9.92	38.30	9.29	36.00	8.71	34.80	8.41	33.70	8.11	31.30	7.52
	9	7.9	40.70	9.56	38.30	8.96	36.00	8.37	34.80	8.09	33.70	7.80	31.30	7.24
	11	9.8	40.70	9.21	38.30	8.62	36.00	8.07	34.80	7.80	33.70	7.52	31.30	6.99
	13	11.8	40.70	8.85	38.30	8.30	36.00	7.77	34.80	7.50	33.70	7.24	31.30	6.74
	15	13.7	40.70	8.55	38.30	7.94	36.00	7.50	34.80	7.25	33.70	7.01	31.30	6.53
	19	14.2	40.70	8.25	38.30	7.80	36.00	7.21	34.80	6.99	33.70	6.71	31.30	6.36
	21	15	40.70	8.02	38.30	7.46	36.00	7.01	34.80	6.76	33.70	6.48	31.30	6.03

To be continued

Continued

YCV400HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	26.80	10.29	26.80	10.55	26.80	10.74	26.80	10.82	26.80	10.92	26.80	11.19
	-12.6	-13	28.40	10.55	28.40	10.74	28.40	10.92	28.40	11.00	28.40	11.19	27.40	10.74
	-10.5	-11	30.20	10.74	30.20	10.92	30.20	11.10	30.20	11.19	29.50	10.82	27.40	10.01
	-9.5	-10	31.20	10.82	31.20	11.00	31.20	11.19	30.50	10.92	29.50	10.47	27.40	9.66
	-8.5	-9.1	31.90	10.92	31.90	11.10	31.60	11.00	30.50	10.64	29.50	10.19	27.40	9.47
	-7	-7.6	33.20	11.00	33.20	11.19	31.60	10.55	30.50	10.10	29.50	9.74	27.40	9.02
	-5	-5.6	35.00	11.19	33.50	10.64	31.60	9.92	30.50	9.56	29.50	9.21	27.40	8.55
	-3	-3.7	35.60	10.82	33.50	10.10	31.60	9.47	30.50	9.11	29.50	8.77	27.40	8.12
	0	-0.7	35.60	10.01	33.50	9.38	31.60	8.76	30.50	8.45	29.50	8.14	27.40	7.56
	3	2.2	35.60	9.38	33.50	8.76	31.60	8.18	30.50	7.90	29.50	7.64	27.40	7.08
	5	4.1	35.60	8.95	33.50	8.40	31.60	7.86	30.50	7.59	29.50	7.33	27.40	6.81
	8.3	6.1	35.60	8.58	33.50	8.07	31.60	7.55	30.50	7.30	29.50	7.04	27.40	6.55
	9	7.9	35.60	8.27	33.50	7.76	31.60	7.27	30.50	7.02	29.50	6.79	27.40	6.33
	11	9.8	35.60	7.95	33.50	7.48	31.60	7.01	30.50	6.78	29.50	6.51	27.40	6.11
60	13	11.8	35.60	7.66	33.50	7.21	31.60	6.77	30.50	6.55	29.50	6.33	27.40	5.90
	15	13.7	35.60	7.41	33.50	6.98	31.60	6.55	30.50	6.33	29.50	6.12	27.40	5.72
	19	14.2	35.60	7.03	33.50	6.78	31.60	6.36	30.50	6.04	29.50	5.78	27.40	5.48
	21	15	35.60	6.78	33.50	6.45	31.60	6.08	30.50	5.76	29.50	5.49	27.40	5.19
	-14.7	-15	26.80	10.82	26.80	11.00	26.80	11.19	26.10	10.82	25.30	10.47	23.50	9.66
	-12.6	-13	28.40	11.00	28.40	11.19	27.00	10.47	26.10	10.10	25.30	9.74	23.50	9.00
	-10.5	-11	30.20	11.19	28.70	10.55	27.00	9.84	26.10	9.47	25.30	9.11	23.50	8.44
	-9.5	-10	30.50	10.92	28.70	10.19	27.00	9.56	26.10	9.21	25.30	8.85	23.50	8.19
	-8.5	-9.1	30.50	10.64	28.70	9.92	27.00	9.29	26.10	8.94	25.30	8.61	23.50	7.98
	-7	-7.6	30.50	10.10	28.70	9.47	27.00	8.87	26.10	8.55	25.30	8.26	23.50	7.65
	-5	-5.6	30.50	9.56	28.70	8.98	27.00	8.39	26.10	8.10	25.30	7.81	23.50	7.25
	-3	-3.7	30.50	9.11	28.70	8.54	27.00	7.98	26.10	7.71	25.30	7.44	23.50	6.92
	0	-0.7	30.50	8.44	28.70	7.93	27.00	7.43	26.10	7.18	25.30	6.94	23.50	6.45
	3	2.2	30.50	7.90	28.70	7.43	27.00	6.97	26.10	6.74	25.30	6.52	23.50	6.07
50	5	4.1	30.50	7.59	28.70	7.14	27.00	6.70	26.10	6.48	25.30	6.26	23.50	5.84
	8.3	6.1	30.50	7.29	28.70	6.86	27.00	6.45	26.10	6.24	25.30	6.04	23.50	5.63
	9	7.9	30.50	7.02	28.70	6.62	27.00	6.22	26.10	6.03	25.30	5.83	23.50	5.44
	11	9.8	30.50	6.78	28.70	6.38	27.00	6.01	26.10	5.82	25.30	5.63	23.50	5.27
	13	11.8	30.50	6.54	28.70	6.17	27.00	5.80	26.10	5.62	25.30	5.44	23.50	5.10
	15	13.7	30.50	6.33	28.70	5.97	27.00	5.62	26.10	5.44	25.30	5.28	23.50	4.95
	19	14.2	30.50	6.15	28.70	5.68	27.00	5.44	26.10	5.28	25.30	5.08	23.50	4.73
	21	15	30.50	5.89	28.70	5.52	27.00	5.22	26.10	5.11	25.30	4.92	23.50	4.55
	-14.7	-15	25.30	10.47	23.90	9.84	22.50	9.21	21.70	8.86	21.00	8.54	19.60	7.91
	-12.6	-13	25.30	9.84	23.90	9.21	22.50	8.57	21.70	8.28	21.00	7.98	19.60	7.41
	-10.5	-11	25.30	9.21	23.90	8.60	22.50	8.05	21.70	7.78	21.00	7.50	19.60	6.98
	-9.5	-10	25.30	8.90	23.90	8.34	22.50	7.81	21.70	7.55	21.00	7.29	19.60	6.77
	-8.5	-9.1	25.30	8.66	23.90	8.12	22.50	7.62	21.70	7.35	21.00	7.10	19.60	6.60
	-7	-7.6	25.30	8.30	23.90	7.80	22.50	7.30	21.70	7.05	21.00	6.82	19.60	6.35
	-5	-5.6	25.30	7.86	23.90	7.39	22.50	6.93	21.70	6.70	21.00	6.48	19.60	6.04
	-3	-3.7	25.30	7.48	23.90	7.04	22.50	6.61	21.70	6.39	21.00	6.19	19.60	5.77
	0	-0.7	25.30	6.98	23.90	6.56	22.50	6.17	21.70	5.98	21.00	5.78	19.60	5.41
	3	2.2	25.30	6.54	23.90	6.17	22.50	5.81	21.70	5.63	21.00	5.44	19.60	5.10
	5	4.1	25.30	6.30	23.90	5.94	22.50	5.60	21.70	5.43	21.00	5.14	19.60	4.92
	8.3	6.1	25.30	6.07	23.90	5.73	22.50	5.40	21.70	5.23	21.00	5.07	19.60	4.76
	9	7.9	25.30	5.86	23.90	5.53	22.50	5.22	21.70	5.06	21.00	4.91	19.60	4.60
	11	9.8	25.30	5.66	23.90	5.35	22.50	5.05	21.70	4.90	21.00	4.76	19.60	4.46
	13	11.8	25.30	5.47	23.90	5.18	22.50	4.89	21.70	4.75	21.00	4.60	19.60	4.33
	15	13.7	25.30	5.30	23.90	5.02	22.50	4.75	21.70	4.61	21.00	4.47	19.60	4.20
	19	14.2	25.30	5.14	23.90	4.82	22.50	4.57	21.70	4.40	21.00	4.32	19.60	4.02
	21	15	25.30	4.80	23.90	4.69	22.50	4.46	21.70	4.22	21.00	4.14	19.60	3.86
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCV450HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130	-14.7	-15	29.30	7.97	29.30	8.45	29.30	8.91	29.30	9.15	29.30	9.39	29.30	9.86
	-12.6	-13	31.20	8.47	31.20	8.91	31.20	9.36	31.20	9.57	31.20	9.80	31.20	10.24
	-10.5	-11	33.20	8.90	33.20	9.33	33.20	9.74	33.20	9.95	33.20	10.16	33.20	10.55
	-9.5	-10	34.30	9.11	34.30	9.51	34.30	9.91	34.30	10.12	34.30	10.33	34.30	10.75
	-8.5	-9.1	35.10	9.27	35.10	9.68	35.10	10.07	35.10	10.27	35.10	10.44	35.10	10.86
	-7	-7.6	36.50	9.54	36.50	9.93	36.50	10.31	36.50	10.55	36.50	10.65	36.50	11.06
	-5	-5.6	38.50	9.86	38.50	10.22	38.50	10.55	38.50	10.75	38.50	10.96	38.50	11.27
	-3	-3.7	40.40	10.15	40.40	10.44	40.40	10.86	40.40	11.06	40.40	11.17	40.40	11.58
	0	-0.7	43.40	10.55	43.40	10.86	43.40	11.17	43.40	11.37	43.40	11.48	43.40	11.79
	3	2.2	46.20	10.86	46.20	11.17	46.20	11.48	46.20	11.58	46.20	11.79	46.20	12.10
	5	4.1	48.10	11.06	48.10	11.37	48.10	11.68	48.10	11.79	48.10	11.99	48.10	12.20
	8.3	6.1	50.00	11.27	50.00	11.58	50.00	11.79	50.00	11.99	50.00	12.10	50.00	12.41
	9	7.9	51.80	11.37	51.80	11.68	51.80	11.99	51.80	12.10	51.80	12.20	51.80	12.51
	11	9.8	53.70	11.58	53.70	11.79	53.70	12.10	53.70	12.20	53.70	12.41	53.70	12.61
	13	11.8	55.78	11.68	55.78	11.99	55.78	12.20	55.78	12.41	55.78	12.51	55.78	12.72
120	15	13.7	57.60	11.89	57.50	12.10	57.50	12.30	57.50	12.51	57.50	12.61	56.60	12.61
	19	14.2	57.60	12.00	57.50	12.22	57.50	12.42	57.50	12.62	57.50	12.73	56.60	12.36
	21	15	57.60	12.09	57.50	12.34	57.50	12.54	57.50	12.69	57.50	12.53	56.60	12.23
	-14.7	-15	29.30	8.61	29.30	9.05	29.30	9.48	29.30	9.70	29.30	9.91	29.30	10.34
	-12.6	-13	31.20	9.07	31.20	9.47	31.20	9.88	31.20	10.09	31.20	10.30	31.20	10.75
	-10.5	-11	33.20	9.47	33.20	9.85	33.20	10.24	33.20	10.44	33.20	10.65	33.20	11.06
	-9.5	-10	34.30	9.66	34.30	10.03	34.30	10.44	34.30	10.55	34.30	10.75	34.30	11.17
	-8.5	-9.1	35.10	9.81	35.10	10.17	35.10	10.55	35.10	10.75	35.10	10.96	35.10	11.27
	-7	-7.6	36.50	10.06	36.50	10.44	36.50	10.75	36.50	10.96	36.50	11.10	36.50	11.48
	-5	-5.6	38.50	10.34	38.50	10.65	38.50	11.06	38.50	11.17	38.50	11.40	38.50	11.68
	-3	-3.7	40.40	10.65	40.40	10.96	40.40	11.27	40.40	11.37	40.40	11.60	40.40	11.89
	0	-0.7	43.40	10.96	43.40	11.27	43.40	11.58	43.40	11.68	43.40	11.89	43.40	12.20
	3	2.2	46.20	11.27	46.20	11.58	46.20	11.89	46.20	11.99	46.20	12.10	46.20	12.41
	5	4.1	48.10	11.48	48.10	11.68	48.10	11.99	48.10	12.10	48.10	12.30	48.10	12.51
	8.3	6.1	50.00	11.58	50.00	11.89	50.00	12.20	50.00	12.30	50.00	12.41	50.00	12.72
110	9	7.9	51.80	11.79	51.80	11.99	51.80	12.30	51.80	12.41	51.80	12.51	51.80	12.82
	11	9.8	53.70	11.89	53.70	12.20	53.70	12.41	53.70	12.51	53.70	12.61	52.30	12.41
	13	11.8	55.78	12.10	55.78	12.30	55.78	12.51	55.78	12.61	55.78	12.82	52.30	11.99
	15	13.7	57.50	12.20	57.50	12.41	57.50	12.61	57.50	12.72	56.10	12.51	52.30	11.48
	19	14.2	57.50	12.30	57.50	12.51	57.50	12.63	57.50	12.60	56.10	12.30	52.30	11.20
	21	15	57.50	12.43	57.50	12.61	57.50	12.70	57.50	12.50	56.10	11.92	52.30	11.00
	-14.7	-15	29.30	9.24	29.30	9.65	29.30	10.03	29.30	10.24	29.30	10.44	29.30	10.86
	-12.6	-13	31.20	9.67	31.20	10.04	31.20	10.44	31.20	10.65	31.20	10.75	31.20	11.17
	-10.5	-11	33.20	10.03	33.20	10.34	33.20	10.75	33.20	10.96	33.20	11.06	33.20	11.48
	-9.5	-10	34.30	10.20	34.30	10.55	34.30	10.86	34.30	11.10	34.30	11.27	34.30	11.58
	-8.5	-9.1	35.10	10.34	35.10	10.65	35.10	11.06	35.10	11.20	35.10	11.37	35.10	11.68
	-7	-7.6	36.50	10.55	36.50	10.86	36.50	11.17	36.50	11.40	36.50	11.58	36.50	11.89
	-5	-5.6	38.50	10.86	38.50	11.17	38.50	11.48	38.50	11.60	38.50	11.79	38.50	12.10
	-3	-3.7	40.40	11.06	40.40	11.37	40.40	11.68	40.40	11.80	40.40	11.99	40.40	12.20
	0	-0.7	43.40	11.37	43.40	11.68	43.40	11.99	43.40	12.10	43.40	12.20	43.40	12.51
	3	2.2	46.20	11.68	46.20	11.99	46.20	12.20	46.20	12.30	46.20	12.51	46.20	12.72
	5	4.1	48.10	11.89	48.10	12.10	48.10	12.30	48.10	12.51	48.10	12.61	47.90	12.72
	8.3	6.1	50.00	11.99	50.00	12.20	50.00	12.51	50.00	12.61	50.00	12.72	47.90	12.20
	9	7.9	51.80	12.20	51.80	12.41	51.80	12.61	51.80	12.72	51.40	12.72	47.90	11.68
	11	9.8	53.70	12.30	53.70	12.51	53.70	12.72	53.20	12.72	51.40	12.20	47.90	11.27
	13	11.8	55.78	12.41	55.78	12.61	55.00	12.61	53.20	12.20	51.40	11.68	47.90	10.86
	15	13.7	57.60	12.51	57.60	12.72	55.00	12.20	53.20	11.79	51.40	11.27	47.90	10.44
	19	14.2	57.60	11.69	57.60	12.60	55.00	11.80	53.20	11.31	51.40	10.89	47.90	10.10
	21	15	57.60	11.79	57.60	12.23	55.00	11.17	53.20	10.97	51.40	10.59	47.90	9.95

To be continued

YCV450HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-14.7	-15	29.30	9.88	29.30	10.25	29.30	10.65	29.30	10.75	29.30	10.96	29.30	11.37
	-12.6	-13	31.20	10.27	31.20	10.65	31.20	10.96	31.20	11.06	31.20	11.27	31.20	11.58
	-10.5	-11	33.20	10.65	33.20	10.96	33.20	11.27	33.20	11.37	33.20	11.58	33.20	11.89
	-9.5	-10	34.30	10.75	34.30	11.06	34.30	11.37	34.30	11.58	34.30	11.68	34.30	11.99
	-8.5	-9.1	35.10	10.86	35.10	11.17	35.10	11.48	35.10	11.68	35.10	11.79	35.10	12.10
	-7	-7.6	36.50	11.06	36.50	11.37	36.50	11.68	36.50	11.79	36.50	11.99	36.50	12.30
	-5	-5.6	38.50	11.37	38.50	11.58	38.50	11.89	38.50	11.99	38.50	12.20	38.50	12.41
	-3	-3.7	40.40	11.58	40.40	11.79	40.40	12.10	40.40	12.20	40.40	12.30	40.40	12.61
	0	-0.7	43.40	11.89	43.40	12.10	43.40	12.30	43.40	12.51	43.40	12.61	43.40	12.82
	3	2.2	46.20	12.10	46.20	12.30	46.20	12.61	46.20	12.72	46.20	12.82	43.60	11.99
	5	4.1	48.10	12.20	48.10	12.51	48.10	12.72	48.10	12.82	48.10	12.41	43.60	11.48
	8.3	6.1	50.00	12.41	50.00	12.61	50.00	13.50	48.40	12.30	46.80	11.89	43.60	10.96
	9	7.9	51.80	12.51	51.80	12.72	50.00	12.30	48.40	11.89	46.80	11.37	43.60	10.55
	11	9.8	53.70	12.61	53.20	12.72	50.00	11.79	48.40	11.37	46.80	10.96	43.60	10.14
	13	11.8	55.78	12.72	53.20	12.20	50.00	11.37	48.40	10.96	46.80	10.55	43.60	9.76
90	15	13.7	56.40	12.51	53.20	11.79	50.00	10.96	48.40	10.55	46.80	10.17	43.60	9.42
	19	14.2	56.40	12.18	53.20	11.38	50.00	10.69	48.40	10.11	46.80	9.78	43.60	9.17
	21	15	56.40	11.79	53.20	10.89	50.00	10.28	48.40	9.95	46.80	9.49	43.60	8.96
	-14.7	-15	29.30	10.55	29.30	10.86	29.30	11.17	29.30	11.37	29.30	11.48	29.30	11.79
	-12.6	-13	31.20	10.86	31.20	11.17	31.20	11.48	31.20	11.58	31.20	11.79	31.20	12.10
	-10.5	-11	33.20	11.17	33.20	11.48	33.20	11.79	33.20	11.89	33.20	11.99	33.20	12.30
	-9.5	-10	34.30	11.27	34.30	11.58	34.30	11.89	34.30	11.99	34.30	12.10	34.30	12.41
	-8.5	-9.1	35.10	11.37	35.10	11.68	35.10	11.99	35.10	12.10	35.10	12.20	35.10	12.51
	-7	-7.6	36.50	11.58	36.50	11.89	36.50	12.10	36.50	12.30	36.50	12.41	36.50	12.61
	-5	-5.6	38.50	11.79	38.50	12.10	38.50	12.30	38.50	12.41	38.50	12.61	38.50	12.82
	-3	-3.7	40.40	11.99	40.40	12.30	40.40	12.51	40.40	12.61	40.40	12.72	39.20	12.30
	0	-0.7	43.40	12.30	43.40	12.51	43.40	12.72	43.40	12.82	42.10	12.30	39.20	11.37
	3	2.2	46.20	12.51	46.20	12.72	45.00	12.41	43.50	11.99	42.10	11.48	39.20	10.65
	5	4.1	48.10	12.61	47.80	12.72	45.00	11.89	43.50	11.48	42.10	10.96	39.20	10.17
	8.3	6.1	50.00	12.72	47.80	12.20	45.00	11.37	43.50	10.96	42.10	10.55	39.20	9.77
80	9	7.9	50.80	12.51	47.80	11.68	45.00	10.96	43.50	10.55	42.10	10.15	39.20	9.40
	11	9.8	50.80	11.99	47.80	11.27	45.00	10.55	43.50	10.13	42.10	9.77	39.20	9.06
	13	11.8	50.80	11.58	47.80	10.86	45.00	10.10	43.50	9.75	42.10	9.41	39.20	8.73
	15	13.7	50.80	11.17	47.80	10.44	45.00	9.75	43.50	9.42	42.10	9.09	39.20	8.43
	19	14.2	50.80	10.89	47.80	10.15	45.00	9.44	43.50	9.14	42.10	8.76	39.20	8.12
	21	15	50.80	10.49	47.80	9.77	45.00	9.27	43.50	8.84	42.10	8.45	39.20	7.79
	-14.7	-15	29.30	11.17	29.30	11.48	29.30	11.79	29.30	11.89	29.30	11.99	29.30	12.30
	-12.6	-13	31.20	11.48	31.20	11.68	31.20	11.99	31.20	12.10	31.20	12.30	31.20	12.51
	-10.5	-11	33.20	11.68	33.20	11.99	33.20	12.20	33.20	12.41	33.20	12.51	33.20	12.72
	-9.5	-10	34.30	11.89	34.30	12.10	34.30	12.30	34.30	12.51	34.30	12.61	34.30	12.82
	-8.5	-9.1	35.10	11.99	35.10	12.20	35.10	12.41	35.10	12.61	35.10	12.72	34.80	12.61
	-7	-7.6	36.50	12.10	36.50	12.30	36.50	12.61	36.50	12.72	36.50	12.82	34.80	11.99
	-5	-5.6	38.50	12.30	38.50	12.51	38.50	12.72	38.60	12.82	37.40	12.30	34.80	11.37
	-3	-3.7	40.40	12.51	40.40	12.72	40.00	12.61	38.60	12.10	37.40	11.68	34.80	10.75
	0	-0.7	43.40	12.72	42.50	12.51	40.00	11.68	38.60	11.27	37.40	10.75	34.80	9.99
	3	2.2	45.10	12.41	42.50	11.68	40.00	10.86	38.60	10.44	37.40	10.09	34.80	9.35

To be continued

Continued

YCV450HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	29.30	11.79	29.30	12.10	29.30	12.30	29.30	12.41	29.30	12.51	29.30	12.82
	-12.6	-13	31.20	12.10	31.20	12.30	31.20	12.51	31.20	12.61	31.20	12.82	30.50	12.30
	-10.5	-11	33.20	12.30	33.20	12.51	33.20	12.72	33.20	12.82	32.70	12.41	30.50	11.48
	-9.5	-10	34.30	12.41	34.30	12.61	34.30	12.82	33.80	12.51	32.70	11.99	30.50	11.06
	-8.5	-9.1	35.10	12.51	35.10	12.72	35.00	12.61	33.80	12.20	32.70	11.68	30.50	10.86
	-7	-7.6	36.50	12.61	36.50	12.82	35.00	12.10	33.80	11.58	32.70	11.17	30.50	10.34
	-5	-5.6	38.50	12.82	37.20	12.20	35.00	11.37	33.80	10.96	32.70	10.55	30.50	9.79
	-3	-3.7	39.40	12.41	37.20	11.58	35.00	10.86	33.80	10.44	32.70	10.06	30.50	9.32
	0	-0.7	39.40	11.48	37.20	10.75	35.00	10.04	33.80	9.69	32.70	9.34	30.50	8.66
	3	2.2	39.40	10.75	37.20	10.04	35.00	9.38	33.80	9.06	32.70	8.75	30.50	8.12
	5	4.1	39.40	10.26	37.20	9.63	35.00	9.01	33.80	8.69	32.70	8.40	30.50	7.81
	8.3	6.1	39.40	9.84	37.20	9.24	35.00	8.65	33.80	8.36	32.70	8.07	30.50	7.52
	9	7.9	39.40	9.47	37.20	8.89	35.00	8.33	33.80	8.05	32.70	7.79	30.50	7.25
	11	9.8	39.40	9.12	37.20	8.57	35.00	8.04	33.80	7.77	32.70	7.45	30.50	7.00
60	13	11.8	39.40	8.79	37.20	8.26	35.00	7.75	33.80	7.51	32.70	7.25	30.50	6.76
	15	13.7	39.40	8.49	37.20	7.99	35.00	7.51	33.80	7.26	32.70	7.02	30.50	6.55
	19	14.2	39.40	8.06	37.20	7.77	35.00	7.30	33.80	6.92	32.70	6.62	30.50	6.28
	21	15	39.40	7.77	37.20	7.39	35.00	6.97	33.80	6.60	32.70	6.29	30.50	5.94
	-14.7	-15	29.30	12.41	29.30	12.61	29.30	12.82	29.00	12.41	28.10	11.99	26.10	11.06
	-12.6	-13	31.20	12.61	31.20	12.82	30.00	11.99	29.00	11.58	28.10	11.17	26.10	10.32
	-10.5	-11	33.20	12.82	31.80	12.10	30.00	11.27	29.00	10.86	28.10	10.44	26.10	9.68
	-9.5	-10	33.80	12.51	31.80	11.68	30.00	10.96	29.00	10.55	28.10	10.14	26.10	9.39
	-8.5	-9.1	33.80	12.20	31.80	11.37	30.00	10.65	29.00	10.25	28.10	9.87	26.10	9.15
	-7	-7.6	33.80	11.58	31.80	10.86	30.00	10.16	29.00	9.80	28.10	9.46	26.10	8.77
	-5	-5.6	33.80	10.96	31.80	10.29	30.00	9.62	29.00	9.28	28.10	8.95	26.10	8.31
	-3	-3.7	33.80	10.44	31.80	9.78	30.00	9.15	29.00	8.84	28.10	8.53	26.10	7.93
	0	-0.7	33.80	9.68	31.80	9.09	30.00	8.51	29.00	8.23	28.10	7.95	26.10	7.39
	3	2.2	33.80	9.06	31.80	8.51	30.00	7.98	29.00	7.72	28.10	7.46	26.10	6.96
50	5	4.1	33.80	8.69	31.80	8.18	30.00	7.67	29.00	7.42	28.10	7.18	26.10	6.69
	8.3	6.1	33.80	8.35	31.80	7.87	30.00	7.39	29.00	7.15	28.10	6.92	26.10	6.45
	9	7.9	33.80	8.05	31.80	7.59	30.00	7.12	29.00	6.91	28.10	6.68	26.10	6.23
	11	9.8	33.80	7.77	31.80	7.32	30.00	6.89	29.00	6.67	28.10	6.45	26.10	6.04
	13	11.8	33.80	7.50	31.80	7.07	30.00	6.65	29.00	6.44	28.10	6.24	26.10	5.84
	15	13.7	33.80	7.26	31.80	6.84	30.00	6.44	29.00	6.24	28.10	6.05	26.10	5.67
	19	14.2	33.80	7.05	31.80	6.51	30.00	6.25	29.00	6.05	28.10	5.82	26.10	5.42
	21	15	33.80	6.76	31.80	6.33	30.00	5.98	29.00	5.85	28.10	5.63	26.10	5.21
	-14.7	-15	28.20	11.99	26.50	11.27	25.00	10.55	24.20	10.15	23.40	9.78	21.70	9.07
	-12.6	-13	28.20	11.27	26.50	10.55	25.00	9.82	24.20	9.49	23.40	9.15	21.70	8.49
	-10.5	-11	28.20	10.55	26.50	9.86	25.00	9.22	24.20	8.91	23.40	8.60	21.70	7.99
	-9.5	-10	28.20	10.19	26.50	9.56	25.00	8.95	24.20	8.65	23.40	8.35	21.70	7.76
	-8.5	-9.1	28.20	9.93	26.50	9.32	25.00	8.73	24.20	8.43	23.40	8.14	21.70	7.57
	-7	-7.6	28.20	9.51	26.50	8.93	25.00	8.36	24.20	8.08	23.40	7.82	21.70	7.28
	-5	-5.6	28.20	9.01	26.50	8.47	25.00	7.94	24.20	7.68	23.40	7.42	21.70	6.92
	-3	-3.7	28.20	8.58	26.50	8.07	25.00	7.58	24.20	7.33	23.40	7.09	21.70	6.62
	0	-0.7	28.20	7.99	26.50	7.53	25.00	7.07	24.20	6.85	23.40	6.63	21.70	6.19
	3	2.2	28.20	7.50	26.50	7.07	25.00	6.66	24.20	6.45	23.40	6.24	21.70	5.84
	5	4.1	28.20	7.22	26.50	6.81	25.00	6.41	24.20	6.21	23.40	6.09	21.70	5.63
	8.3	6.1	28.20	6.95	26.50	6.57	25.00	6.18	24.20	6.00	23.40	5.81	21.70	5.45
	9	7.9	28.20	6.71	26.50	6.34	25.00	5.98	24.20	5.80	23.40	5.62	21.70	5.27
	11	9.8	28.20	6.48	26.50	6.13	25.00	5.79	24.20	5.61	23.40	5.45	21.70	5.11
	13	11.8	28.20	6.28	26.50	5.93	25.00	5.60	24.20	5.44	23.40	5.27	21.70	4.95
	15	13.7	28.20	6.08	26.50	5.76	25.00	5.44	24.20	5.28	23.40	5.12	21.70	4.82
	19	14.2	28.20	5.89	26.50	5.53	25.00	5.25	24.20	5.05	23.40	4.94	21.70	4.61
	21	15	28.20	5.50	26.50	5.38	25.00	5.11	24.20	4.83	23.40	4.75	21.70	4.42
TC: total capacity, kW														
Pl: power input, kW (compressor+outdoor motor)														

Capacity table

YCV560HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	40.20	9.92	40.20	10.50	40.20	11.08	40.00	11.38	40.00	11.68	40.00	12.26
	-12.6	-13	42.20	10.52	42.20	11.08	42.20	11.64	42.20	11.90	42.20	12.18	42.20	12.72
	-10.5	-11	44.40	11.06	44.40	11.60	44.40	12.10	44.40	12.36	44.40	12.64	44.40	13.12
	-9.5	-10	45.60	11.32	45.60	11.82	45.60	12.32	45.60	12.58	45.60	12.84	45.60	13.36
	-8.5	-9.1	46.60	11.54	46.60	12.04	46.60	12.52	46.60	12.76	46.60	12.98	46.60	13.50
	-7	-7.6	48.40	11.86	48.40	12.34	48.40	12.82	48.40	13.12	48.40	13.24	48.40	13.76
	-5	-5.6	50.40	12.26	50.40	12.72	50.40	13.12	50.40	13.36	50.40	13.62	50.40	14.02
	-3	-3.7	52.40	12.62	52.40	12.98	52.40	13.50	52.40	13.76	52.40	13.88	52.40	14.40
	0	-0.7	55.80	13.12	55.80	13.50	55.80	13.88	55.80	14.14	55.80	14.26	55.80	14.66
	3	2.2	58.60	13.50	58.60	13.88	58.60	14.26	58.60	14.40	58.60	14.66	58.60	15.04
	5	4.1	61.00	13.76	61.00	14.14	61.00	14.52	61.00	14.66	61.00	14.92	61.00	15.16
	8.3	6.1	63.00	14.02	63.00	14.40	63.00	14.66	63.00	14.92	63.00	15.04	63.00	15.42
	9	7.9	65.20	14.14	65.00	14.52	65.00	14.92	65.00	15.04	65.00	15.16	65.00	15.56
	11	9.8	67.20	14.40	67.20	14.66	67.20	15.04	67.20	15.16	67.20	15.42	67.20	15.68
	13	11.8	69.40	14.52	69.40	14.92	69.40	15.16	69.40	15.42	69.40	15.56	69.40	15.82
	15	13.7	71.40	14.78	71.40	15.04	71.40	15.30	71.40	15.56	71.40	15.68	71.40	15.68
120	19	14.2	71.40	14.92	71.40	15.20	71.40	15.44	71.40	15.68	71.40	15.82	71.40	15.38
	21	15	71.40	15.02	71.40	15.34	71.40	15.58	71.40	15.78	71.40	15.58	71.40	15.22
	-14.7	-15	40.20	10.70	40.00	11.24	40.00	11.78	40.00	12.06	40.00	12.32	40.00	12.86
	-12.6	-13	42.20	11.28	42.20	11.78	42.20	12.28	42.20	12.54	42.20	12.80	42.20	13.36
	-10.5	-11	44.40	11.78	44.40	12.26	44.40	12.72	44.40	12.98	44.40	13.24	44.40	13.76
	-9.5	-10	45.60	12.00	45.60	12.46	45.60	12.98	45.60	13.12	45.60	13.36	45.60	13.88
	-8.5	-9.1	46.60	12.20	46.60	12.64	46.60	13.12	46.60	13.36	46.60	13.62	46.60	14.02
	-7	-7.6	48.40	12.50	48.40	12.98	48.40	13.36	48.40	13.62	48.40	13.76	48.40	14.26
	-5	-5.6	50.40	12.86	50.40	13.24	50.40	13.76	50.40	13.88	50.40	14.14	50.40	14.52
	-3	-3.7	52.40	13.24	52.40	13.62	52.40	14.02	52.40	14.14	52.40	14.40	52.40	14.78
	0	-0.7	55.80	13.62	55.80	14.02	55.80	14.40	55.80	14.52	55.80	14.78	55.80	15.16
	3	2.2	58.60	14.02	58.60	14.40	58.60	14.78	58.60	14.92	58.60	15.04	58.60	15.42
	5	4.1	61.00	14.26	61.00	14.52	61.00	14.92	61.00	15.04	61.00	15.30	61.00	15.56
	8.3	6.1	63.00	14.40	63.00	14.78	63.00	15.16	63.00	15.30	63.00	15.42	63.00	15.82
	9	7.9	65.00	14.66	65.00	14.92	65.00	15.30	65.00	15.42	65.00	15.56	65.00	15.94
	11	9.8	67.20	14.78	67.20	15.16	67.20	15.42	67.20	15.56	67.20	15.68	65.80	15.42
	13	11.8	69.40	15.04	69.40	15.30	69.40	15.56	69.40	15.68	69.40	15.94	65.80	14.92
110	15	13.7	71.40	15.16	71.40	15.42	71.40	15.68	71.40	15.82	71.40	15.56	65.80	14.26
	19	14.2	71.40	15.30	71.40	15.56	71.40	15.70	71.40	15.66	71.40	15.30	65.80	13.92
	21	15	71.40	15.46	71.40	15.68	71.40	15.80	71.40	15.54	71.40	14.82	65.80	13.68
	-14.7	-15	40.00	11.50	40.00	12.00	40.00	12.46	40.00	12.72	40.00	12.98	40.00	13.50
	-12.6	-13	42.20	12.02	42.20	12.48	42.20	12.98	42.20	13.24	42.20	13.36	42.20	13.88
	-10.5	-11	44.40	12.46	44.40	12.86	44.40	13.36	44.40	13.62	44.40	13.76	44.40	14.26
	-9.5	-10	45.60	12.68	45.60	13.12	45.60	13.50	45.60	13.76	45.60	14.02	45.60	14.40
	-8.5	-9.1	46.60	12.86	46.60	13.24	46.60	13.76	46.60	13.88	46.60	14.14	46.60	14.52
	-7	-7.6	48.40	13.12	48.40	13.50	48.40	13.88	48.40	14.14	48.40	14.40	48.40	14.78
	-5	-5.6	50.40	13.50	50.40	13.88	50.40	14.26	50.40	14.40	50.40	14.66	50.40	15.04
	-3	-3.7	52.40	13.76	52.40	14.14	52.40	14.52	52.40	14.66	52.40	14.92	52.40	15.16
	0	-0.7	55.80	14.14	55.60	14.52	55.60	14.92	55.60	15.04	55.60	15.16	55.60	15.56
	3	2.2	58.60	14.52	58.60	14.92	58.60	15.16	58.60	15.30	58.60	15.56	58.60	15.82
	5	4.1	61.00	14.78	61.00	15.04	61.00	15.30	61.00	15.56	61.00	15.68	60.40	15.82
	8.3	6.1	63.00	14.92	63.00	15.16	63.00	15.56	63.00	15.68	63.00	15.82	60.40	15.16
	9	7.9	65.00	15.16	65.00	15.42	65.00	15.68	65.00	15.82	64.60	15.82	60.40	14.52
	11	9.8	67.20	15.30	67.20	15.56	67.20	15.82	67.00	15.82	64.60	15.16	60.40	14.02
	13	11.8	69.40	15.42	69.40	15.68	69.40	15.68	67.00	15.16	64.60	14.52	60.40	13.50
	15	13.7	71.40	15.56	71.40	15.82	69.40	15.16	67.00	14.66	64.60	14.02	60.40	12.98
	19	14.2	71.40	14.54	71.40	15.66	69.40	14.68	67.00	14.06	64.60	13.54	60.40	12.56
	21	15	71.40	14.66	71.40	15.22	69.40	13.90	67.00	13.64	64.60	13.16	60.40	12.38

To be continued

Continued

YCV560HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	40.00	12.28	40.00	12.74	40.00	13.24	40.00	13.36	40.00	13.62	40.00	14.14
	-12.6	-13	42.20	12.76	42.20	13.24	42.20	13.62	42.20	13.76	42.20	14.02	42.20	14.40
	-10.5	-11	44.40	13.24	44.40	13.62	44.40	14.02	44.40	14.14	44.40	14.40	44.40	14.78
	-9.5	-10	45.60	13.36	45.60	13.76	45.60	14.14	45.60	14.40	45.60	14.52	45.60	14.92
	-8.5	-9.1	46.60	13.50	46.60	13.88	46.60	14.26	46.60	14.52	46.60	14.66	46.60	15.04
	-7	-7.6	48.40	13.76	48.40	14.14	48.40	14.52	48.40	14.66	48.40	14.92	48.40	15.30
	-5	-5.6	50.40	14.14	50.40	14.40	50.40	14.78	50.40	14.92	50.40	15.16	50.40	15.42
	-3	-3.7	52.40	14.40	52.40	14.66	52.40	15.04	52.40	15.16	52.40	15.30	52.40	15.68
	0	-0.7	55.60	14.78	55.60	15.04	55.60	15.30	55.60	15.56	55.60	15.68	55.00	15.94
	3	2.2	58.60	15.04	58.60	15.30	58.60	15.68	58.60	15.82	58.60	15.94	55.00	14.92
	5	4.1	61.00	15.16	61.00	15.56	61.00	15.82	61.00	15.94	59.00	15.42	55.00	14.26
	8.3	6.1	63.00	15.42	63.00	15.68	63.00	15.94	61.00	15.30	59.00	14.78	55.00	13.62
	9	7.9	65.00	15.56	65.00	15.82	63.00	15.30	61.00	14.78	59.00	14.14	55.00	13.12
	11	9.8	67.20	15.68	67.00	15.82	63.00	14.66	61.00	14.14	59.00	13.62	55.00	12.62
	13	11.8	69.40	15.82	67.00	15.16	63.00	14.14	61.00	13.62	59.00	13.12	55.00	12.14
90	15	13.7	71.00	15.56	67.00	14.66	63.00	13.62	61.00	13.12	59.00	12.64	55.00	11.72
	19	14.2	71.00	15.14	67.00	14.16	63.00	13.28	61.00	12.56	59.00	12.16	55.00	11.40
	21	15	71.00	14.66	67.00	13.54	63.00	12.78	61.00	12.38	59.00	11.80	55.00	11.14
	-14.7	-15	40.00	13.12	40.00	13.50	40.00	13.88	40.00	14.14	40.00	14.26	40.00	14.66
	-12.6	-13	42.20	13.50	42.20	13.88	42.20	14.26	42.20	14.40	42.20	14.66	42.20	15.04
	-10.5	-11	44.40	13.88	44.40	14.26	44.40	14.66	44.40	14.78	44.40	14.92	44.40	15.30
	-9.5	-10	45.60	14.02	45.60	14.40	45.60	14.78	45.60	14.92	45.60	15.04	45.60	15.42
	-8.5	-9.1	46.60	14.14	46.60	14.52	46.60	14.92	46.60	15.04	46.60	15.16	46.60	15.56
	-7	-7.6	48.40	14.40	48.40	14.78	48.40	15.04	48.40	15.30	48.40	15.42	48.20	15.68
	-5	-5.6	50.40	14.66	50.40	15.04	50.40	15.30	50.40	15.42	50.40	15.68	49.20	15.94
	-3	-3.7	52.40	14.92	52.40	15.30	52.40	15.56	52.40	15.68	52.40	15.82	49.20	15.30
	0	-0.7	55.60	15.30	55.60	15.56	55.60	15.82	54.60	15.94	53.00	15.30	49.20	14.14
	3	2.2	58.60	15.56	58.60	15.82	56.60	15.42	54.60	14.92	53.00	14.26	49.20	13.24
	5	4.1	61.00	15.68	60.60	15.82	56.60	14.78	54.60	14.26	53.00	13.62	49.20	12.64
	8.3	6.1	63.00	15.82	60.60	15.16	56.60	14.14	54.60	13.62	53.00	13.12	49.20	12.14
80	9	7.9	64.00	15.56	60.60	14.52	56.60	13.62	54.60	13.12	53.00	12.62	49.20	11.68
	11	9.8	64.00	14.92	60.60	14.02	56.60	13.12	54.60	12.60	53.00	12.14	49.20	11.26
	13	11.8	64.00	14.40	60.60	13.50	56.60	12.56	54.60	12.12	53.00	11.70	49.20	10.84
	15	13.7	64.00	13.88	60.60	12.98	56.60	12.12	54.60	11.72	53.00	11.30	49.20	10.48
	19	14.2	64.00	13.54	60.60	12.62	56.60	11.74	54.60	11.36	53.00	10.90	49.20	10.10
	21	15	64.00	13.04	60.60	12.14	56.60	11.52	54.60	10.98	53.00	10.50	49.20	9.68
	-14.7	-15	40.00	13.88	40.00	14.26	40.00	14.66	40.00	14.78	40.00	14.92	40.00	15.30
	-12.6	-13	42.20	14.26	42.20	14.52	42.20	14.92	42.20	15.04	42.20	15.30	42.20	15.56
	-10.5	-11	44.40	14.52	44.40	14.92	44.40	15.16	44.40	15.42	44.40	15.56	44.00	15.82
	-9.5	-10	45.60	14.78	45.60	15.04	45.60	15.30	45.60	15.56	45.60	15.68	44.00	15.94
	-8.5	-9.1	46.60	14.92	46.60	15.16	46.60	15.42	46.60	15.68	46.60	15.82	44.00	15.68
	-7	-7.6	48.40	15.04	48.40	15.30	48.20	15.68	48.20	15.82	47.20	15.94	44.00	14.92
	-5	-5.6	50.40	15.30	50.40	15.56	50.40	15.82	48.60	15.94	47.20	15.30	44.00	14.14
	-3	-3.7	52.40	15.56	52.40	15.82	50.40	15.68	48.60	15.04	47.20	14.52	44.00	13.36
	0	-0.7	55.60	15.82	53.60	15.56	50.40	14.52	48.60	14.02	47.20	13.36	44.00	12.42
	3	2.2	56.60	15.42	53.60	14.52	50.40	13.50	48.60	12.98	47.20	12.54	44.00	11.62
	5	4.1	56.60	14.78	53.60	13.88	50.40	12.98	48.60	12.46	47.20	12.02	44.00	11.14
	8.3	6.1	56.60	14.14	53.60	13.24	50.40	12.40	48.60	11.98	47.20	11.56	44.00	10.72
	9	7.9	56.60	13.62	53.60	12.76	50.40	11.92	48.60	11.52	47.20	11.12	44.00	10.32
	11	9.8	56.60	13.12	53.60	12.28	50.40	11.50	48.60	11.10	47.20	10.72	44.00	9.94
	13	11.8	56.60	12.62	53.60	11.82	50.40	11.06	48.60	10.70	47.20	10.32	44.00	9.60
	15	13.7	56.60	12.18	53.60	11.32	50.40	10.70	48.60	10.34	47.20	9.98	44.00	9.30
	19	14.2	56.60	11.76	53.60	11.12	50.40	10.26	48.60	9.96	47.20	9.56	44.00	9.06
	21	15	56.60	11.42	53.60	10.64	50.40	10.00	48.60	9.64	47.20	9.24	44.00	8.58

To be continued

YCV615HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
	°C DB	°C WB	16		18		20		21.1		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	43.70	10.45	43.70	11.02	43.70	11.62	43.60	11.90	43.60	12.20	43.60	12.79
	-12.6	-13	45.90	11.00	45.90	11.58	45.90	12.12	45.90	12.38	45.90	12.67	45.90	13.22
	-10.5	-11	48.20	11.53	48.20	12.05	48.20	12.56	48.20	12.82	48.20	13.08	48.20	13.58
	-9.5	-10	49.90	11.77	49.90	12.25	49.90	12.76	49.90	13.04	49.90	13.28	49.90	13.79
	-8.5	-9.1	51.50	11.96	51.50	12.45	51.50	12.94	51.50	13.21	51.50	13.43	51.50	13.93
	-7	-7.6	53.70	12.27	53.70	12.75	53.70	13.24	53.70	13.50	53.70	13.67	53.70	14.17
	-5	-5.6	56.00	12.64	56.00	13.11	56.00	13.53	56.00	13.77	56.00	14.01	56.00	14.44
	-3	-3.7	58.20	12.99	58.20	13.39	58.20	13.86	58.20	14.11	58.20	14.27	58.20	14.78
	0	-0.7	61.40	13.46	61.40	13.86	61.40	14.25	61.40	14.48	61.40	14.63	61.40	15.05
	3	2.2	64.10	13.84	64.10	14.21	64.10	14.60	64.10	14.78	64.10	14.98	64.10	15.40
	5	4.1	66.70	14.08	66.70	14.46	66.70	14.84	66.70	14.98	66.70	15.26	66.70	15.53
	8.3	6.1	69.00	14.32	69.00	14.69	69.00	14.98	69.00	15.18	69.00	15.40	69.00	15.73
	9	7.9	71.50	14.46	71.40	14.84	71.40	15.18	71.40	15.40	71.40	15.53	71.40	15.88
	11	9.8	74.10	14.70	74.10	14.98	74.10	15.40	74.10	15.53	74.10	15.73	74.10	16.02
	13	11.8	75.80	14.84	75.80	15.18	75.80	15.53	75.80	15.73	75.80	15.88	75.80	16.16
	15	13.7	78.00	15.04	78.00	15.32	78.00	15.67	78.00	15.88	78.00	16.02	78.00	16.17
120	19	14.2	78.00	15.26	78.00	15.55	78.00	15.82	78.00	16.02	78.00	16.16	78.00	15.79
	21	15	78.00	15.46	78.00	15.77	78.00	15.97	78.00	16.14	78.00	16.12	78.00	15.33
	-14.7	-15	43.70	11.24	43.60	11.77	43.60	12.31	43.60	12.58	43.60	12.84	43.60	13.39
	-12.6	-13	45.90	11.76	45.90	12.27	45.90	12.78	45.90	13.02	45.90	13.26	45.90	13.81
	-10.5	-11	48.20	12.23	48.20	12.69	48.20	13.19	48.20	13.43	48.20	13.67	48.20	14.19
	-9.5	-10	49.90	12.45	49.90	12.91	49.90	13.39	49.90	13.58	49.90	13.81	49.90	14.33
	-8.5	-9.1	51.50	12.62	51.50	13.07	51.50	13.53	51.50	13.77	51.50	14.01	51.50	14.44
	-7	-7.6	53.70	12.91	53.70	13.37	53.70	13.77	53.70	14.01	53.70	14.19	53.70	14.71
	-5	-5.6	56.00	13.26	56.00	13.66	56.00	14.12	56.00	14.29	56.00	14.54	56.00	14.91
	-3	-3.7	58.20	13.59	58.20	13.97	58.20	14.40	58.20	14.57	58.20	14.78	58.20	15.19
	0	-0.7	61.40	13.99	61.40	14.38	61.40	14.78	61.40	14.91	61.40	15.11	61.40	15.08
	3	2.2	64.10	14.36	64.10	14.70	64.10	15.11	64.10	15.26	64.10	15.40	64.10	15.81
	5	4.1	66.70	14.60	66.70	14.91	66.70	15.26	66.70	15.40	66.70	15.60	66.70	15.96
	8.3	6.1	69.00	14.78	69.00	15.11	69.00	15.46	69.00	15.60	69.00	15.73	69.00	16.16
	9	7.9	71.40	14.98	71.40	15.26	71.40	15.60	71.40	15.73	71.40	15.88	71.70	16.30
	11	9.8	74.10	15.11	74.10	15.46	74.10	15.73	74.10	15.88	74.10	16.02	72.10	15.89
	13	11.8	75.80	15.32	75.80	15.60	75.80	15.88	75.80	16.02	75.80	16.22	72.10	15.34
110	15	13.7	78.00	15.46	78.00	15.73	78.00	16.02	78.00	16.16	77.80	16.03	72.10	14.71
	19	14.2	78.00	15.75	78.00	16.03	78.00	16.18	78.00	16.01	77.80	15.67	72.10	14.46
	21	15	78.00	15.98	78.00	15.94	78.00	15.92	78.00	15.72	77.80	15.13	72.10	14.23
	-14.7	-15	43.60	12.02	43.60	12.52	43.60	12.98	43.60	13.25	43.60	13.51	43.60	13.99
	-12.6	-13	45.90	12.50	45.90	12.97	45.90	13.43	45.90	13.71	45.90	13.88	45.90	14.37
	-10.5	-11	48.20	12.92	48.20	13.33	48.20	13.81	48.20	14.05	48.20	14.23	48.20	14.71
	-9.5	-10	49.90	13.13	49.90	13.58	49.90	13.95	49.90	14.19	49.90	14.44	49.90	14.85
	-8.5	-9.1	51.50	13.29	51.50	13.71	51.50	14.15	51.50	14.33	51.50	14.57	51.50	14.98
	-7	-7.6	53.70	13.53	53.70	13.93	53.70	14.33	53.70	14.55	53.70	14.78	53.70	15.19
	-5	-5.6	56.00	13.88	56.00	14.27	56.00	14.63	56.00	14.85	56.00	15.05	56.00	15.40
	-3	-3.7	58.20	14.15	58.20	14.54	58.20	14.91	58.20	15.05	58.20	15.34	58.20	15.60
	0	-0.7	61.40	14.54	61.30	14.91	61.30	15.26	61.30	15.40	61.30	15.53	61.30	15.96
	3	2.2	64.10	14.91	64.10	15.26	64.10	15.53	64.10	15.67	64.10	15.88	64.10	16.16
	5	4.1	66.70	15.11	66.70	15.40	66.70	15.67	66.70	15.88	66.70	16.02	66.20	16.16
	8.3	6.1	69.00	15.26	69.00	15.53	69.00	15.88	69.00	16.02	69.00	16.16	66.20	15.46
	9	7.9	71.40	15.46	71.40	15.73	71.40	16.02	71.40	16.16	70.90	16.01	66.20	14.91
	11	9.8	74.10	15.60	74.10	15.88	74.10	16.16	73.40	16.24	70.90	15.60	66.20	14.40
	13	11.8	75.80	15.73	75.80	16.02	75.80	16.17	73.40	15.60	70.90	14.98	66.20	13.88
	15	13.7	78.00	15.88	78.00	16.16	76.00	15.60	73.40	15.05	70.90	14.48	66.20	13.35
	19	14.2	78.00	15.52	78.00	15.93	76.00	15.06	73.40	14.42	70.90	13.86	66.20	13.01
	21	15	78.00	15.43	78.00	15.49	76.00	14.45	73.40	13.95	70.90	13.51	66.20	12.79

To be continued

Continued

Capacity table

			YCV615HR											
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70	-14.7	-15	43.60	15.13	43.60	15.47	43.60	15.83	43.60	15.96	43.60	16.11	42.10	15.99
	-12.6	-13	45.90	15.47	45.90	15.75	45.90	16.03	45.90	16.17	45.10	16.07	42.10	15.23
	-10.5	-11	48.20	15.67	48.20	16.03	48.30	16.16	46.60	15.85	45.10	15.43	42.10	14.29
	-9.5	-10	49.90	15.81	49.90	16.09	48.30	15.99	46.60	15.50	45.10	14.96	42.10	13.78
	-8.5	-9.1	51.50	15.96	51.50	16.24	48.30	15.64	46.60	15.08	45.10	14.54	42.10	13.50
	-7	-7.6	53.60	16.09	51.40	15.99	48.30	15.10	46.60	14.47	45.10	13.96	42.10	12.92
	-5	-5.6	54.50	16.22	51.40	15.30	48.30	14.23	46.60	13.75	45.10	13.24	42.10	12.28
	-3	-3.7	54.50	15.59	51.40	14.55	48.30	13.61	46.60	13.13	45.10	12.63	42.10	11.70
	0	-0.7	54.50	14.47	51.40	13.54	48.30	12.65	46.60	12.21	45.10	11.79	42.10	10.93
	3	2.2	54.50	13.58	51.40	12.73	48.30	11.87	46.60	11.47	45.10	11.07	42.10	10.30
	5	4.1	54.50	13.02	51.40	12.20	48.30	11.41	46.60	11.04	45.10	10.66	42.10	9.91
	8.3	6.1	54.50	12.52	51.40	11.75	48.30	11.01	46.60	10.64	45.10	10.27	42.10	9.55
	9	7.9	54.50	12.08	51.40	11.34	48.30	10.62	46.60	10.26	45.10	9.90	42.10	9.23
	11	9.8	54.50	11.64	51.40	10.93	48.30	10.25	46.60	9.90	45.10	9.54	42.10	8.93
	13	11.8	54.50	11.22	51.40	10.57	48.30	9.90	46.60	9.58	45.10	9.28	42.10	8.63
60	15	13.7	54.50	10.87	51.40	10.22	48.30	9.61	46.60	9.28	45.10	8.97	42.10	8.38
	19	14.2	54.50	10.43	51.40	9.85	48.30	9.30	46.60	8.99	45.10	8.52	42.10	8.08
	21	15	54.50	9.99	51.40	9.31	48.30	8.84	46.60	8.44	45.10	8.11	42.10	7.62
	-14.7	-15	43.60	15.96	43.60	16.17	41.30	15.85	40.10	15.21	38.70	14.73	36.00	13.60
	-12.6	-13	45.90	16.17	44.00	15.85	41.30	14.81	40.10	14.29	38.70	13.78	36.00	12.75
	-10.5	-11	46.60	15.85	44.00	15.02	41.30	13.98	40.10	13.47	38.70	12.98	36.00	12.02
	-9.5	-10	46.60	15.50	44.00	14.51	41.30	13.56	40.10	13.08	38.70	12.61	36.00	11.68
	-8.5	-9.1	46.60	15.08	44.00	14.16	41.30	13.24	40.10	12.75	38.70	12.29	36.00	11.39
	-7	-7.6	46.60	14.47	44.00	13.58	41.30	12.70	40.10	12.24	38.70	11.86	36.00	10.97
	-5	-5.6	46.60	13.75	44.00	12.89	41.30	12.06	40.10	11.62	38.70	11.20	36.00	10.42
	-3	-3.7	46.60	13.15	44.00	12.29	41.30	11.50	40.10	11.13	38.70	10.74	36.00	9.97
	0	-0.7	46.60	12.21	44.00	11.46	41.30	10.75	40.10	10.37	38.70	10.03	36.00	9.32
	3	2.2	46.60	11.45	44.00	10.79	41.30	10.12	40.10	9.75	38.70	9.44	36.00	8.83
	5	4.1	46.60	11.04	44.00	10.37	41.30	9.72	40.10	9.41	38.70	9.11	36.00	8.51
	8.3	6.1	46.60	10.63	44.00	10.00	41.30	9.40	40.10	9.10	38.70	8.80	36.00	8.21
50	9	7.9	46.60	10.26	44.00	9.67	41.30	9.08	40.10	8.79	38.70	8.50	36.00	7.94
	11	9.8	46.60	9.90	44.00	9.32	41.30	8.78	40.10	8.50	38.70	8.25	36.00	7.68
	13	11.8	46.60	9.57	44.00	9.02	41.30	8.48	40.10	8.24	38.70	7.97	36.00	7.45
	15	13.7	46.60	9.28	44.00	8.75	41.30	8.24	40.10	7.98	38.70	7.74	36.00	7.23
	19	14.2	46.60	8.96	44.00	8.39	41.30	7.90	40.10	7.63	38.70	7.39	36.00	6.94
	21	15	46.60	8.55	44.00	8.07	41.30	7.58	40.10	7.38	38.70	7.14	36.00	6.61
	-14.7	-15	38.90	14.75	36.70	13.84	34.50	12.94	33.30	12.47	32.20	12.05	30.00	11.16
	-12.6	-13	38.90	13.87	36.70	13.01	34.50	12.15	33.30	11.73	32.20	11.32	30.00	10.53
	-10.5	-11	38.90	13.06	36.70	12.24	34.50	11.46	33.30	11.06	32.20	10.68	30.00	9.92
	-9.5	-10	38.90	12.68	36.70	11.88	34.50	11.16	33.30	10.77	32.20	10.41	30.00	9.67
	-8.5	-9.1	38.90	12.36	36.70	11.60	34.50	10.86	33.30	10.49	32.20	10.15	30.00	9.42
	-7	-7.6	38.90	11.88	36.70	11.14	34.50	10.45	33.30	10.11	32.20	9.77	30.00	9.10
	-5	-5.6	38.90	11.28	36.70	10.62	34.50	9.95	33.30	9.62	32.20	9.29	30.00	8.69
	-3	-3.7	38.90	10.77	36.70	10.16	34.50	9.52	33.30	9.22	32.20	8.91	30.00	8.31
	0	-0.7	38.90	10.07	36.70	9.52	34.50	8.94	33.30	8.65	32.20	8.37	30.00	7.83
	3	2.2	38.90	9.50	36.70	8.96	34.50	8.42	33.30	8.17	32.20	7.90	30.00	7.38
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

			YCV800HR											
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	53.60	13.91	53.60	14.74	53.60	15.56	53.60	15.96	53.60	16.38	53.60	17.21
	-12.6	-13	56.80	14.77	56.80	15.56	56.80	16.32	56.80	16.71	56.80	17.11	56.80	17.86
	-10.5	-11	60.40	15.54	60.40	16.27	60.40	16.99	60.40	17.36	60.40	17.74	60.40	18.41
	-9.5	-10	62.40	15.90	62.40	16.59	62.40	17.30	62.40	17.66	62.40	18.03	62.40	18.76
	-8.5	-9.1	63.80	16.19	63.80	16.88	63.80	17.57	63.80	17.91	63.80	18.22	63.80	18.95
	-7	-7.6	66.40	16.65	66.40	17.32	66.40	17.99	66.40	18.41	66.40	18.58	66.40	19.31
	-5	-5.6	70.00	17.21	70.00	17.84	70.00	18.41	70.00	18.76	70.00	19.12	70.00	19.67
	-3	-3.7	73.20	17.72	73.20	18.22	73.20	18.95	73.20	19.31	73.20	19.48	73.20	20.21
	0	-0.7	78.40	18.41	78.40	18.95	78.40	19.48	78.40	19.85	78.40	20.02	78.40	20.57
	3	2.2	83.40	18.95	83.40	19.48	83.40	20.02	83.40	20.21	83.40	20.57	83.40	21.11
	5	4.1	86.60	19.31	86.60	19.85	86.60	20.38	86.60	20.57	86.60	20.94	86.60	21.28
	8.3	6.1	90.00	19.67	90.00	20.21	90.00	20.57	90.00	20.94	90.00	21.11	90.00	21.65
	9	7.9	93.20	19.85	93.20	20.38	93.20	20.94	93.20	21.11	93.20	21.28	93.20	21.84
	11	9.8	96.40	20.21	96.40	20.57	96.40	21.11	96.40	21.28	96.40	21.65	96.40	22.01
	13	11.8	98.00	20.38	98.00	20.94	98.00	21.28	98.00	21.65	98.00	21.84	98.00	22.20
120	15	13.7	103.20	20.75	103.20	21.11	103.20	21.47	103.20	21.84	103.20	22.01	102.00	22.01
	19	14.2	103.20	20.94	103.20	21.34	103.20	21.66	103.20	22.03	103.20	22.22	102.00	21.57
	21	15	103.20	21.09	103.20	21.55	103.20	21.87	103.20	22.14	103.20	21.86	102.00	21.36
	-14.7	-15	53.60	15.02	53.60	15.79	53.60	16.54	53.60	16.92	53.60	17.30	53.60	18.05
	-12.6	-13	56.80	15.83	56.80	16.54	56.80	17.24	56.80	17.61	56.80	17.97	56.80	18.76
	-10.5	-11	60.40	16.54	60.40	17.19	60.40	17.86	60.40	18.22	60.40	18.58	60.40	19.31
	-9.5	-10	62.40	16.86	62.40	17.49	62.40	18.22	62.40	18.41	62.40	18.76	62.40	19.48
	-8.5	-9.1	63.80	17.13	63.80	17.76	63.80	18.41	63.80	18.76	63.80	19.12	63.80	19.67
	-7	-7.6	66.40	17.55	66.40	18.22	66.40	18.76	66.40	19.12	66.40	19.33	66.40	20.02
	-5	-5.6	70.00	18.05	70.00	18.58	70.00	19.31	70.00	19.48	70.00	19.90	70.00	20.38
	-3	-3.7	73.20	18.58	73.20	19.12	73.20	19.67	73.20	19.85	73.20	20.29	73.20	20.75
	0	-0.7	78.40	19.12	78.40	19.67	78.40	20.21	78.40	20.38	78.40	20.75	78.40	21.28
	3	2.2	83.40	19.67	83.40	20.21	83.40	20.75	83.40	20.94	83.40	21.11	83.40	21.65
	5	4.1	86.60	20.02	86.60	20.38	86.60	20.94	86.60	21.11	86.60	21.47	86.60	21.84
	8.3	6.1	90.00	20.21	90.00	20.75	90.00	21.28	90.00	21.47	90.00	21.65	90.00	22.20
110	9	7.9	93.20	20.57	93.20	20.94	93.20	21.47	93.20	21.65	93.20	21.84	93.20	22.37
	11	9.8	96.40	20.75	96.40	21.28	96.40	21.65	96.40	21.84	96.40	22.01	94.20	21.65
	13	11.8	98.00	21.11	98.00	21.47	98.00	21.84	98.00	22.01	98.00	22.37	94.20	20.94
	15	13.7	103.20	21.28	103.20	21.65	103.20	22.01	103.20	22.20	101.00	21.84	94.20	20.02
	19	14.2	103.20	21.45	103.20	21.84	103.20	22.03	103.20	21.99	101.00	21.45	94.20	19.54
	21	15	103.20	21.68	103.20	22.01	103.20	22.16	103.20	21.82	101.00	20.80	94.20	19.20
	-14.7	-15	53.60	16.13	53.60	16.84	53.60	17.49	53.60	17.86	53.60	18.22	53.60	18.95
	-12.6	-13	56.80	16.86	56.80	17.51	56.80	18.22	56.80	18.58	56.80	18.76	56.80	19.48
	-10.5	-11	60.40	17.49	60.40	18.05	60.40	18.76	60.40	19.12	60.40	19.31	60.40	20.02
	-9.5	-10	62.40	17.80	62.40	18.41	62.40	18.95	62.40	19.33	62.40	19.67	62.40	20.21
	-8.5	-9.1	63.80	18.05	63.80	18.58	63.80	19.31	63.80	19.52	63.80	19.85	63.80	20.38
	-7	-7.6	66.40	18.41	66.40	18.95	66.40	19.48	66.40	19.90	66.40	20.21	66.40	20.75
	-5	-5.6	70.00	18.95	70.00	19.48	70.00	20.02	70.00	20.29	70.00	20.57	70.00	21.11
	-3	-3.7	73.20	19.31	73.20	19.85	73.20	20.38	73.20	20.48	73.20	20.94	73.20	21.28
	0	-0.7	78.40	19.85	78.40	20.38	78.40	20.94	78.40	21.05	78.40	21.28	78.40	21.84
	3	2.2	83.40	20.38	83.40	20.94	83.40	21.28	83.40	21.47	83.40	21.84	83.40	22.20
	5	4.1	86.60	20.75	86.60	21.11	86.60	21.47	86.60	21.84	86.60	22.01	86.40	22.20
	8.3	6.1	90.00	20.94	90.00	21.28	90.00	21.84	90.00	22.01	90.00	22.20	86.40	21.28
	9	7.9	93.20	21.28	93.20	21.65	93.20	22.01	93.20	22.20	92.60	22.20	86.40	20.38
	11	9.8	96.40	21.47	96.40	21.84	96.40	22.20	95.80	22.20	92.60	21.28	86.40	19.67
	13	11.8	98.00	21.65	98.00	22.01	99.20	22.01	95.80	21.28	92.60	20.38	86.40	18.95
	15	13.7	103.20	21.84	103.20	22.20	99.20	21.28	95.80	20.57	92.60	19.67	86.40	18.22
	19	14.2	103.20	20.40	103.20	21.99	99.20	20.59	95.80	19.73	92.60	19.00	86.40	17.63
	21	15	103.20	20.57	103.20	21.36	99.20	19.50	95.80	19.14	92.60	18.47	86.40	17.38

To be continued

Continued

YCV800HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-14.7	-15	53.60	17.24	53.60	17.87	53.60	18.58	53.60	18.76	53.60	19.12	53.60	19.85
	-12.6	-13	56.80	17.91	56.80	18.58	56.80	19.12	56.80	19.31	56.80	19.67	56.80	20.21
	-10.5	-11	60.40	18.58	60.40	19.12	60.40	19.67	60.40	19.85	60.40	20.21	60.40	20.75
	-9.5	-10	62.40	18.76	62.40	19.31	62.40	19.85	62.40	20.21	62.40	20.38	62.40	20.94
	-8.5	-9.1	63.80	18.95	63.80	19.48	63.80	20.02	63.80	20.48	63.80	20.57	63.80	21.11
	-7	-7.6	66.40	19.31	66.40	19.85	66.40	20.38	66.40	20.48	66.40	20.94	66.40	21.47
	-5	-5.6	70.00	19.85	70.00	20.21	70.00	20.75	70.00	20.86	70.00	21.28	70.00	21.65
	-3	-3.7	73.20	20.21	73.20	20.57	73.20	21.11	73.20	21.24	73.20	21.47	73.20	22.01
	0	-0.7	78.40	20.75	78.40	21.11	78.40	21.47	78.40	21.82	78.40	22.01	78.60	22.37
	3	2.2	83.40	21.11	83.40	21.47	83.40	22.01	83.40	22.20	83.40	22.37	78.60	20.94
	5	4.1	86.60	21.28	86.60	21.84	86.60	22.20	86.60	22.37	84.20	21.65	78.60	20.02
	8.3	6.1	90.00	21.65	90.00	22.01	90.00	22.20	87.20	21.47	84.20	20.75	78.60	19.12
	9	7.9	93.20	21.84	93.20	22.20	90.00	21.47	87.20	20.75	84.20	19.85	78.60	18.41
	11	9.8	96.40	22.01	95.80	22.20	90.00	20.57	87.20	19.85	84.20	19.12	78.60	17.70
	13	11.8	98.00	22.20	95.80	21.28	90.00	19.85	87.20	19.12	84.20	18.41	78.60	17.03
90	15	13.7	101.40	21.84	95.80	20.57	90.00	19.12	87.20	18.41	84.20	17.76	78.60	16.44
	19	14.2	101.40	21.26	95.80	19.87	90.00	18.64	87.20	17.65	84.20	17.07	78.60	16.00
	21	15	101.40	20.57	95.80	19.00	90.00	17.95	87.20	17.38	84.20	16.55	78.60	15.64
	-14.7	-15	53.60	18.41	53.60	18.95	53.60	19.48	53.60	19.85	53.60	20.02	53.60	20.57
	-12.6	-13	56.80	18.95	56.80	19.48	56.80	20.02	56.80	20.21	56.80	20.57	56.80	21.11
	-10.5	-11	60.40	19.48	60.40	20.02	60.40	20.57	60.40	20.75	60.40	20.94	60.40	21.47
	-9.5	-10	62.40	19.67	62.40	20.21	62.40	20.75	62.40	20.94	62.40	21.11	62.40	21.65
	-8.5	-9.1	63.80	19.85	63.80	20.38	63.80	20.94	63.80	21.11	63.80	21.28	63.80	21.84
	-7	-7.6	66.40	20.21	66.40	20.75	66.40	21.11	66.40	21.47	66.40	21.65	66.40	22.01
	-5	-5.6	70.00	20.57	70.00	21.11	70.00	21.47	70.00	21.65	70.00	22.01	70.00	22.37
	-3	-3.7	73.20	20.94	73.20	21.47	73.20	21.84	73.20	22.01	73.20	22.20	70.40	21.47
	0	-0.7	78.40	21.47	78.40	21.84	78.40	22.20	78.20	22.37	75.60	21.47	70.40	19.85
	3	2.2	83.40	21.84	83.40	22.20	81.20	21.65	78.20	20.94	75.60	20.02	70.40	18.58
	5	4.1	86.60	22.01	86.40	22.20	81.20	20.75	78.20	20.02	75.60	19.12	70.40	17.76
	8.3	6.1	90.00	22.20	86.40	21.28	81.20	19.85	78.20	19.12	75.60	18.41	70.40	17.05
80	9	7.9	91.60	21.84	86.40	20.38	81.20	19.12	78.20	18.41	75.60	17.72	70.40	16.40
	11	9.8	91.60	20.94	86.40	19.67	81.20	18.41	78.20	17.68	75.60	17.05	70.40	15.81
	13	11.8	91.60	20.21	86.40	18.95	81.20	17.63	78.20	17.01	75.60	16.42	70.40	15.23
	15	13.7	91.60	19.48	86.40	18.22	81.20	17.01	78.20	16.44	75.60	15.87	70.40	14.70
	19	14.2	91.60	19.00	86.40	17.70	81.20	16.48	78.20	15.94	75.60	15.29	70.40	14.18
	21	15	91.60	18.32	86.40	17.05	81.20	16.17	78.20	15.43	75.60	14.76	70.40	13.61
	-14.7	-15	53.60	19.48	53.60	20.02	53.60	20.57	53.60	20.75	53.60	20.94	53.60	21.47
	-12.6	-13	56.80	20.02	56.80	20.38	56.80	20.94	56.80	21.11	56.80	21.47	56.80	21.84
	-10.5	-11	60.40	20.38	60.40	20.94	60.40	21.28	60.40	21.65	60.40	21.84	60.40	22.20
	-9.5	-10	62.40	20.75	62.40	21.11	62.40	21.47	62.40	21.84	62.40	22.01	62.40	22.37
	-8.5	-9.1	63.80	20.94	63.80	21.28	63.80	21.65	63.80	22.01	63.80	22.20	62.60	22.01
	-7	-7.6	66.40	21.11	66.40	21.47	66.40	22.01	66.40	22.20	66.40	22.37	62.60	20.94
	-5	-5.6	70.00	21.47	70.00	21.84	70.00	22.20	69.60	22.37	67.40	21.47	62.60	19.85
	-3	-3.7	73.20	21.84	73.20	22.20	72.00	22.01	69.60	21.11	67.40	20.38	62.60	18.76
	0	-0.7	78.40	22.20	76.60	21.84	72.00	20.38	69.60	19.67	67.40	18.76	62.60	17.43
	3	2.2	81.40	21.65	76.60	20.38	72.00	18.95	69.60	18.22	67.40	17.61	62.60	16.31
	5	4.1	81.40	20.75	76.60	19.48	72.00	18.22	69.60	17.49	67.40	16.86	62.60	15.64
	8.3	6.1	81.40	19.85	76.60	18.58	72.00	17.42	69.60	16.82	67.40	16.23	62.60	15.04
	9	7.9	81.40	19.12	76.60	17.91	72.00	16.75	69.60	16.17	67.40	15.60	62.60	14.49
	11	9.8	81.40	18.41	76.60	17.24	72.00	16.13	69.60	15.60	67.40	15.04	62.60	13.97
	13	11.8	81.40	17.70	76.60	16.59	72.00	15.54	69.60	15.00	67.40	14.49	62.60	13.47
	15	13.7	81.40	17.09	76.60	15.88	72.00	15.00	69.60	14.51	67.40	14.03	62.60	13.05
	19	14.2	81.40	16.50	76.60	15.60	72.00	14.41	69.60	13.97	67.40	13.42	62.60	12.73
	21	15	81.40	16.04	76.60	14.93	72.00	14.03	69.60	13.51	67.40	12.96	62.60	12.06

To be continued

YCV850HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-14.7	-15	56.10	14.93	56.10	15.82	56.10	16.69	56.10	17.13	56.10	17.58	56.10	18.46
	-12.6	-13	59.60	15.86	59.60	16.69	59.60	17.52	59.60	17.92	59.60	18.35	59.60	19.17
	-10.5	-11	63.40	16.67	63.40	17.46	63.40	18.24	63.40	18.63	63.40	19.03	63.40	19.76
	-9.5	-10	65.50	17.06	65.50	17.81	65.50	18.56	65.50	18.95	65.50	19.34	65.50	20.13
	-8.5	-9.1	67.00	17.37	67.00	18.12	67.00	18.85	67.00	19.23	67.00	19.55	67.00	20.33
	-7	-7.6	69.70	17.87	69.70	18.59	69.70	19.30	69.70	19.76	69.70	19.94	69.70	20.72
	-5	-5.6	73.50	18.46	73.50	19.14	73.50	19.76	73.50	20.13	73.50	20.52	73.50	21.11
	-3	-3.7	77.00	19.01	77.00	19.55	77.00	20.33	77.00	20.72	77.00	20.91	77.00	21.68
	0	-0.7	82.60	19.76	82.60	20.33	82.60	20.91	82.60	21.29	82.60	21.49	82.60	22.08
	3	2.2	87.90	20.33	87.90	20.91	87.90	21.49	87.90	21.68	87.90	22.08	87.90	22.65
	5	4.1	91.40	20.72	91.40	21.29	91.40	21.87	91.40	22.08	91.40	22.46	91.40	22.84
	8.3	6.1	95.00	21.11	95.00	21.68	95.00	22.08	95.00	22.46	95.00	22.65	95.00	23.23
	9	7.9	98.40	21.29	98.40	21.87	98.40	22.46	98.40	22.65	98.40	22.84	98.40	23.43
	11	9.8	101.90	21.68	101.90	22.08	101.90	22.65	101.90	22.84	101.90	23.23	101.90	23.61
	13	11.8	104.78	21.87	104.78	22.46	104.78	22.84	104.78	23.23	104.78	23.43	104.78	23.82
	15	13.7	109.20	22.26	109.10	22.65	109.10	23.04	109.10	23.43	109.10	23.61	107.60	23.61
120	19	14.2	109.20	22.47	109.10	22.89	109.10	23.25	109.10	23.63	109.10	23.84	107.60	23.14
	21	15	109.20	22.64	109.10	23.11	109.10	23.48	109.10	23.76	109.10	23.46	107.60	22.91
	-14.7	-15	56.10	16.12	56.10	16.94	56.10	17.75	56.10	18.16	56.10	18.56	56.10	19.36
	-12.6	-13	59.60	16.98	59.60	17.74	59.60	18.50	59.60	18.89	59.60	19.29	59.60	20.13
	-10.5	-11	63.40	17.74	63.40	18.44	63.40	19.17	63.40	19.55	63.40	19.94	63.40	20.72
	-9.5	-10	65.50	18.09	65.50	18.78	65.50	19.55	65.50	19.76	65.50	20.13	65.50	20.91
	-8.5	-9.1	67.00	18.37	67.00	19.05	67.00	19.76	67.00	20.13	67.00	20.52	67.00	21.11
	-7	-7.6	69.70	18.83	69.70	19.55	69.70	20.13	69.70	20.52	69.70	20.76	69.70	21.49
	-5	-5.6	73.50	19.36	73.50	19.94	73.50	20.72	73.50	20.91	73.50	21.35	73.50	21.87
	-3	-3.7	77.00	19.94	77.00	20.52	77.00	21.11	77.00	21.29	77.00	21.74	77.00	22.26
	0	-0.7	82.60	20.52	82.60	21.11	82.60	21.68	82.60	21.87	82.60	22.26	82.60	22.84
	3	2.2	87.90	21.11	87.90	21.68	87.90	22.26	87.90	22.46	87.90	22.65	87.90	23.23
	5	4.1	91.40	21.49	91.40	21.87	91.40	22.46	91.40	22.65	91.40	23.04	91.40	23.43
	8.3	6.1	95.00	21.68	95.00	22.26	95.00	22.84	95.00	23.04	95.00	23.23	95.00	23.82
	9	7.9	98.40	22.08	98.40	22.46	98.40	23.04	98.40	23.23	98.40	23.43	98.40	24.01
	11	9.8	101.90	22.26	101.90	22.84	101.90	23.23	101.90	23.43	101.90	23.61	99.40	23.23
110	13	11.8	104.78	22.65	104.78	23.04	104.78	23.43	104.78	23.61	104.78	24.01	99.40	22.46
	15	13.7	109.10	22.84	109.10	23.23	109.10	23.61	109.10	23.82	106.60	23.43	99.40	21.49
	19	14.2	109.10	23.03	109.10	23.43	109.10	23.64	109.10	23.59	106.60	23.03	99.40	20.97
	21	15	109.10	23.27	109.10	23.61	109.10	23.78	109.10	23.41	106.60	22.32	99.40	20.60
	-14.7	-15	56.10	17.31	56.10	18.07	56.10	18.78	56.10	19.17	56.10	19.55	56.10	20.33
	-12.6	-13	59.60	18.10	59.60	18.80	59.60	19.55	59.60	19.94	59.60	20.13	59.60	20.91
	-10.5	-11	63.40	18.78	63.40	19.36	63.40	20.13	63.40	20.52	63.40	20.72	63.40	21.49
	-9.5	-10	65.50	19.10	65.50	19.76	65.50	20.33	65.50	20.76	65.50	21.11	65.50	21.68
	-8.5	-9.1	67.00	19.36	67.00	19.94	67.00	20.72	67.00	20.96	67.00	21.29	67.00	21.87
	-7	-7.6	69.70	19.76	69.70	20.33	69.70	20.91	69.70	21.35	69.70	21.68	69.70	22.26
	-5	-5.6	73.50	20.33	73.50	20.91	73.50	21.49	73.50	21.74	73.50	22.08	73.50	22.65
	-3	-3.7	77.00	20.72	77.00	21.29	77.00	21.87	77.00	22.04	77.00	22.46	77.00	22.84
	0	-0.7	82.60	21.29	82.60	21.87	82.60	22.46	82.60	22.63	82.60	22.84	82.60	23.43
	3	2.2	87.90	21.87	87.90	22.46	87.90	22.84	87.90	23.04	87.90	23.43	87.90	23.82
	5	4.1	91.40	22.26	91.40	22.65	91.40	23.04	91.40	23.43	91.40	23.61	91.10	23.82
	8.3	6.1	95.00	22.46	95.00	22.84	95.00	23.43	95.00	23.61	95.00	23.82	91.10	22.84
	9	7.9	98.40	22.84	98.40	23.23	98.40	23.61	98.40	23.82	97.70	23.82	91.10	21.87
	11	9.8	101.90	23.04	101.90	23.43	101.90	23.82	101.10	23.82	97.70	22.84	91.10	21.11
	13	11.8	104.78	23.23	104.78	23.61	104.60	23.61	101.10	22.84	97.70	21.87	91.10	20.33
	15	13.7	109.20	23.43	109.20	23.82	104.60	22.84	101.10	22.08	97.70	21.11	91.10	19.55
	19	14.2	109.20	21.89	109.20	23.59	104.60	22.10	101.10	21.18	97.70	20.39	91.10	18.91
	21	15	109.20	22.08	109.20	22.91	104.60	20.92	101.10	20.54	97.70	19.82	91.10	18.64

To be continued

Continued

			YCV850HR											
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	56.10	18.50	56.10	19.19	56.10	19.94	56.10	20.13	56.10	20.52	56.10	21.29
	-12.6	-13	59.60	19.23	59.60	19.94	59.60	20.52	59.60	20.72	59.60	21.11	59.60	21.68
	-10.5	-11	63.40	19.94	63.40	20.52	63.40	21.11	63.40	21.29	63.40	21.68	63.40	22.26
	-9.5	-10	65.50	20.13	65.50	20.72	65.50	21.29	65.50	21.68	65.50	21.87	65.50	22.46
	-8.5	-9.1	67.00	20.33	67.00	20.91	67.00	21.49	67.00	21.92	67.00	22.08	67.00	22.65
	-7	-7.6	69.70	20.72	69.70	21.29	69.70	21.87	69.70	22.03	69.70	22.46	69.70	23.04
	-5	-5.6	73.50	21.29	73.50	21.68	73.50	22.26	73.50	22.42	73.50	22.84	73.50	23.23
	-3	-3.7	77.00	21.68	77.00	22.08	77.00	22.65	77.00	22.82	77.00	23.04	77.00	23.61
	0	-0.7	82.60	22.26	82.60	22.65	82.60	23.04	82.60	23.42	82.60	23.61	82.70	24.01
	3	2.2	87.90	22.65	87.90	23.04	87.90	23.61	87.90	23.82	87.90	24.01	82.90	22.46
	5	4.1	91.40	22.84	91.40	23.43	91.40	23.82	91.40	24.01	90.20	23.23	82.90	21.49
	8.3	6.1	95.00	23.23	95.00	23.61	95.00	24.60	92.00	23.04	88.90	22.26	82.90	20.52
	9	7.9	98.40	23.43	98.40	23.82	95.00	23.04	92.00	22.26	88.90	21.29	82.90	19.76
	11	9.8	101.90	23.61	101.10	23.82	95.00	22.08	92.00	21.29	88.90	20.52	82.90	18.99
90	13	11.8	104.78	23.82	101.10	22.84	95.00	21.29	92.00	20.52	88.90	19.76	82.90	18.28
	15	13.7	107.10	23.43	101.10	22.08	95.00	20.52	92.00	19.76	88.90	19.05	82.90	17.64
	19	14.2	107.10	22.81	101.10	21.31	95.00	20.01	92.00	18.93	88.90	18.32	82.90	17.17
	21	15	107.10	22.08	101.10	20.39	95.00	19.26	92.00	18.64	88.90	17.77	82.90	16.78
	-14.7	-15	56.10	19.76	56.10	20.33	56.10	20.91	56.10	21.29	56.10	21.49	56.10	22.08
	-12.6	-13	59.60	20.33	59.60	20.91	59.60	21.49	59.60	21.68	59.60	22.08	59.60	22.65
	-10.5	-11	63.40	20.91	63.40	21.49	63.40	22.08	63.40	22.26	63.40	22.46	63.40	23.04
	-9.5	-10	65.50	21.11	65.50	21.68	65.50	22.26	65.50	22.46	65.50	22.65	65.50	23.23
	-8.5	-9.1	67.00	21.29	67.00	21.87	67.00	22.46	67.00	22.65	67.00	22.84	67.00	23.43
	-7	-7.6	69.70	21.68	69.70	22.26	69.70	22.65	69.70	23.04	69.70	23.23	69.70	23.61
	-5	-5.6	73.50	22.08	73.50	22.65	73.50	23.04	73.50	23.23	73.50	23.61	73.50	24.01
	-3	-3.7	77.00	22.46	77.00	23.04	77.00	23.43	77.00	23.61	77.00	23.82	74.40	23.04
	0	-0.7	82.60	23.04	82.60	23.43	82.60	23.82	82.50	24.01	79.90	23.04	74.40	21.29
	3	2.2	87.90	23.43	87.90	23.82	85.60	23.23	82.60	22.46	79.90	21.49	74.40	19.94
80	5	4.1	91.40	23.61	91.00	23.82	85.60	22.26	82.60	21.49	79.90	20.52	74.40	19.05
	8.3	6.1	95.00	23.82	91.00	22.84	85.60	21.29	82.60	20.52	79.90	19.76	74.40	18.30
	9	7.9	96.60	23.43	91.00	21.87	85.60	20.52	82.60	19.76	79.90	19.01	74.40	17.60
	11	9.8	96.60	22.46	91.00	21.11	85.60	19.76	82.60	18.97	79.90	18.30	74.40	16.96
	13	11.8	96.60	21.68	91.00	20.33	85.60	18.91	82.60	18.26	79.90	17.62	74.40	16.35
	15	13.7	96.60	20.91	91.00	19.55	85.60	18.26	82.60	17.64	79.90	17.02	74.40	15.78
	19	14.2	96.60	20.39	91.00	19.00	85.60	17.68	82.60	17.11	79.90	16.41	74.40	15.21
	21	15	96.60	19.65	91.00	18.30	85.60	17.36	82.60	16.55	79.90	15.83	74.40	14.59
	-14.7	-15	56.10	20.91	56.10	21.49	56.10	22.08	56.10	22.26	56.10	22.46	56.10	23.04
	-12.6	-13	59.60	21.49	59.60	21.87	59.60	22.46	59.60	22.65	59.60	23.04	59.60	23.43
	-10.5	-11	63.40	21.87	63.40	22.46	63.40	22.84	63.40	23.23	63.40	23.43	63.40	23.82
	-9.5	-10	65.50	22.26	65.50	22.65	65.50	23.04	65.50	23.43	65.50	23.61	65.50	24.01
	-8.5	-9.1	67.00	22.46	67.00	22.84	67.00	23.23	67.00	23.61	67.00	23.82	66.10	23.61
	-7	-7.6	69.70	22.65	69.70	23.04	69.70	23.61	69.70	23.82	69.70	24.01	66.10	22.46
	-5	-5.6	73.50	23.04	73.50	23.43	73.50	23.82	73.40	24.01	71.10	23.04	66.10	21.29
80	-3	-3.7	77.00	23.43	77.00	23.82	76.00	23.61	73.40	22.65	71.10	21.87	66.10	20.13
	0	-0.7	82.60	23.82	80.80	23.43	76.00	21.87	73.40	21.11	71.10	20.13	66.10	18.71
	3	2.2	85.80	23.23	80.80	21.87	76.00	20.33	73.40	19.55	71.10	18.89	66.10	17.50
	5	4.1	85.80	22.26	80.80	20.91	76.00	19.55	73.40	18.78	71.10	18.10	66.10	16.78
	8.3	6.1	85.80	21.29	80.80	19.94	76.00	18.69	73.40	18.05	71.10	17.40	66.10	16.14
	9	7.9	85.80	20.52	80.80	19.23	76.00	17.96	73.40	17.35	71.10	16.74	66.10	15.54
	11	9.8	85.80	19.76	80.80	18.50	76.00	17.31	73.40	16.73	71.10	16.14	66.10	14.99
	13	11.8	85.80	18.99	80.80	17.81	76.00	16.67	73.40	16.10	71.10	15.54	66.10	14.46
	15	13.7	85.80	18.34	80.80	17.04	76.00	16.10	73.40	15.56	71.10	15.04	66.10	14.00
	19	14.2	85.80	17.70	80.80	16.74	76.00	15.47	73.40	14.99	71.10	14.40	66.10	13.65
	21	15	85.80	17.20	80.80	16.01	76.00	15.05	73.40	14.51	71.10	13.91	66.10	12.93

Capacity table

To be continued

Continued

Capacity Factor (%)	Outdoor Temp.		YCV850HR Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70	-14.7	-15	56.10	22.08	56.10	22.65	56.10	23.04	56.10	23.23	56.10	23.43	56.10	24.01
	-12.6	-13	59.60	22.65	59.60	23.04	59.60	23.43	59.60	23.61	59.60	24.01	57.90	23.04
	-10.5	-11	63.40	23.04	63.40	23.43	63.40	23.82	63.40	24.01	62.20	23.23	57.90	21.49
	-9.5	-10	65.50	23.23	65.50	23.61	65.50	24.01	64.30	23.43	62.20	22.46	57.90	20.72
	-8.5	-9.1	67.00	23.43	67.00	23.82	66.60	23.61	64.30	22.84	62.20	21.87	57.90	20.33
	-7	-7.6	69.70	23.61	69.70	24.01	66.60	22.65	64.30	21.68	62.20	20.91	57.90	19.36
	-5	-5.6	73.50	24.01	70.70	22.84	66.60	21.29	64.30	20.52	62.20	19.76	57.90	18.34
	-3	-3.7	75.00	23.23	70.70	21.68	66.60	20.33	64.30	19.55	62.20	18.83	57.90	17.44
	0	-0.7	75.00	21.49	70.70	20.13	66.60	18.80	64.30	18.14	62.20	17.48	57.90	16.22
	3	2.2	75.00	20.13	70.70	18.80	66.60	17.56	64.30	16.96	62.20	16.39	57.90	15.20
	5	4.1	75.00	19.21	70.70	18.03	66.60	16.87	64.30	16.28	62.20	15.73	57.90	14.62
	8.3	6.1	75.00	18.42	70.70	17.31	66.60	16.20	64.30	15.66	62.20	15.11	57.90	14.07
	9	7.9	75.00	17.74	70.70	16.65	66.60	15.60	64.30	15.07	62.20	14.58	57.90	13.58
	11	9.8	75.00	17.07	70.70	16.05	66.60	15.05	64.30	14.55	62.20	13.96	57.90	13.11
	13	11.8	75.00	16.45	70.70	15.47	66.60	14.52	64.30	14.06	62.20	13.58	57.90	12.66
60	15	13.7	75.00	15.90	70.70	14.97	66.60	14.06	64.30	13.59	62.20	13.14	57.90	12.27
	19	14.2	75.00	15.09	70.70	14.55	66.60	13.66	64.30	12.96	62.20	12.40	57.90	11.76
	21	15	75.00	14.55	70.70	13.84	66.60	13.05	64.30	12.36	62.20	11.78	57.90	11.13
	-14.7	-15	56.10	23.23	56.10	23.61	56.10	24.01	55.10	23.23	53.40	22.46	49.60	20.72
	-12.6	-13	59.60	23.61	59.60	24.01	57.00	22.46	55.10	21.68	53.40	20.91	49.60	19.32
	-10.5	-11	63.40	24.01	60.50	22.65	57.00	21.11	55.10	20.33	53.40	19.55	49.60	18.12
	-9.5	-10	64.30	23.43	60.50	21.87	57.00	20.52	55.10	19.76	53.40	18.99	49.60	17.58
	-8.5	-9.1	64.30	22.84	60.50	21.29	57.00	19.94	55.10	19.19	53.40	18.48	49.60	17.13
	-7	-7.6	64.30	21.68	60.50	20.33	57.00	19.03	55.10	18.35	53.40	17.72	49.60	16.42
	-5	-5.6	64.30	20.52	60.50	19.27	57.00	18.01	55.10	17.38	53.40	16.76	49.60	15.56
	-3	-3.7	64.30	19.55	60.50	18.32	57.00	17.13	55.10	16.55	53.40	15.97	49.60	14.85
	0	-0.7	64.30	18.12	60.50	17.02	57.00	15.94	55.10	15.41	53.40	14.89	49.60	13.84
	3	2.2	64.30	16.96	60.50	15.94	57.00	14.95	55.10	14.46	53.40	13.98	49.60	13.03
	5	4.1	64.30	16.28	60.50	15.32	57.00	14.37	55.10	13.90	53.40	13.44	49.60	12.53
	8.3	6.1	64.30	15.64	60.50	14.73	57.00	13.84	55.10	13.39	53.40	12.96	49.60	12.08
50	9	7.9	64.30	15.07	60.50	14.21	57.00	13.34	55.10	12.94	53.40	12.51	49.60	11.67
	11	9.8	64.30	14.55	60.50	13.70	57.00	12.90	55.10	12.49	53.40	12.08	49.60	11.31
	13	11.8	64.30	14.04	60.50	13.24	57.00	12.45	55.10	12.06	53.40	11.68	49.60	10.94
	15	13.7	64.30	13.59	60.50	12.81	57.00	12.06	55.10	11.68	53.40	11.33	49.60	10.62
	19	14.2	64.30	13.20	60.50	12.19	57.00	11.69	55.10	11.33	53.40	10.90	49.60	10.15
	21	15	64.30	12.65	60.50	11.85	57.00	11.20	55.10	10.96	53.40	10.55	49.60	9.76
	-14.7	-15	53.50	22.46	50.40	21.11	47.50	19.76	45.90	19.01	44.40	18.32	41.30	16.98
	-12.6	-13	53.50	21.11	50.40	19.76	47.50	18.39	45.90	17.77	44.40	17.13	41.30	15.90
	-10.5	-11	53.50	19.76	50.40	18.46	47.50	17.27	45.90	16.69	44.40	16.10	41.30	14.97
	-9.5	-10	53.50	19.09	50.40	17.90	47.50	16.76	45.90	16.20	44.40	15.64	41.30	14.53
	-8.5	-9.1	53.50	18.59	50.40	17.44	47.50	16.35	45.90	15.78	44.40	15.24	41.30	14.17
	-7	-7.6	53.50	17.81	50.40	16.73	47.50	15.66	45.90	15.13	44.40	14.64	41.30	13.63
	-5	-5.6	53.50	16.87	50.40	15.86	47.50	14.87	45.90	14.38	44.40	13.90	41.30	12.96
	-3	-3.7	53.50	16.06	50.40	15.11	47.50	14.19	45.90	13.72	44.40	13.28	41.30	12.39
	0	-0.7	53.50	14.97	50.40	14.09	47.50	13.24	45.90	12.83	44.40	12.41	41.30	11.60
	3	2.2	53.50	14.04	50.40	13.24	47.50	12.47	45.90	12.08	44.40	11.68	41.30	10.94
	5	4.1	53.50	13.52	50.40	12.75	47.50	12.01	45.90	11.64	44.40	11.23	41.30	10.55
	8.3	6.1	53.50	13.02	50.40	12.30	47.50	11.58	45.90	11.23	44.40	10.88	41.30	10.21
	9	7.9	53.50	12.57	50.40	11.87	47.50	11.20	45.90	10.86	44.40	10.53	41.30	9.87
	11	9.8	53.50	12.14	50.40	11.48	47.50	10.84	45.90	10.51	44.40	10.21	41.30	9.57
	13	11.8	53.50	11.75	50.40	11.11	47.50	10.49	45.90	10.19	44.40	9.87	41.30	9.28
	15	13.7	53.50	11.38	50.40	10.78	47.50	10.19	45.90	9.89	44.40	9.59	41.30	9.02
	19	14.2	53.50	11.03	50.40	10.35	47.50	9.82	45.90	9.45	44.40	9.26	41.30	8.63
	21	15	53.50	10.30	50.40	10.07	47.50	9.57	45.90	9.05	44.40	8.89	41.30	8.28
TC: total capacity, kW														
Pl: power input, kW (compressor+outdoor motor)														

YCV900HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	58.60	15.94	58.60	16.90	58.60	17.82	58.60	18.30	58.60	18.78	58.60	19.72
	-12.6	-13	62.40	16.94	62.40	17.82	62.40	18.72	62.40	19.14	62.40	19.60	62.40	20.48
	-10.5	-11	66.40	17.80	66.40	18.66	66.40	19.48	66.40	19.90	66.40	20.32	66.40	21.10
	-9.5	-10	68.60	18.22	68.60	19.02	68.60	19.82	68.60	20.24	68.60	20.66	68.60	21.50
	-8.5	-9.1	70.20	18.54	70.20	19.36	70.20	20.14	70.20	20.54	70.20	20.88	70.20	21.72
	-7	-7.6	73.00	19.08	73.00	19.86	73.00	20.62	73.00	21.10	73.00	21.30	73.00	22.12
	-5	-5.6	77.00	19.72	77.00	20.44	77.00	21.10	77.00	21.50	77.00	21.92	77.00	22.54
	-3	-3.7	80.80	20.30	80.80	20.88	80.80	21.72	80.80	22.12	80.80	22.34	80.80	23.16
	0	-0.7	86.80	21.10	86.80	21.72	86.80	22.34	86.80	22.74	86.80	22.96	86.80	23.58
	3	2.2	92.40	21.72	92.40	22.34	92.40	22.96	92.40	23.16	92.40	23.58	92.40	24.20
	5	4.1	96.20	22.12	96.20	22.74	96.20	23.36	96.20	23.58	96.20	23.98	96.20	24.40
	8.3	6.1	100.00	22.54	100.00	23.16	100.00	23.58	100.00	23.98	100.00	24.20	100.00	24.82
	9	7.9	103.60	22.74	103.60	23.36	103.60	23.98	103.60	24.20	103.60	24.40	103.60	25.02
	11	9.8	107.40	23.16	107.40	23.58	107.40	24.20	107.40	24.40	107.40	24.82	107.40	25.22
	13	11.8	111.56	23.36	111.56	23.98	111.56	24.40	111.56	24.82	111.56	25.02	111.56	25.44
120	15	13.7	115.20	23.78	115.00	24.20	115.00	24.60	115.00	25.02	115.00	25.22	113.20	25.22
	19	14.2	115.20	24.00	115.00	24.44	115.00	24.84	115.00	25.24	115.00	25.46	113.20	24.72
	21	15	115.20	24.18	115.00	24.68	115.00	25.08	115.00	25.38	115.00	25.06	113.20	24.46
	-14.7	-15	58.60	17.22	58.60	18.10	58.60	18.96	58.60	19.40	58.60	19.82	58.60	20.68
	-12.6	-13	62.40	18.14	62.40	18.94	62.40	19.76	62.40	20.18	62.40	20.60	62.40	21.50
	-10.5	-11	66.40	18.94	66.40	19.70	66.40	20.48	66.40	20.88	66.40	21.30	66.40	22.12
	-9.5	-10	68.60	19.32	68.60	20.06	68.60	20.88	68.60	21.10	68.60	21.50	68.60	22.34
	-8.5	-9.1	70.20	19.62	70.20	20.34	70.20	21.10	70.20	21.50	70.20	21.92	70.20	22.54
	-7	-7.6	73.00	20.12	73.00	20.88	73.00	21.50	73.00	21.92	73.00	22.20	73.00	22.96
	-5	-5.6	77.00	20.68	77.00	21.30	77.00	22.12	77.00	22.34	77.00	22.80	77.00	23.36
	-3	-3.7	80.80	21.30	80.80	21.92	80.80	22.54	80.80	22.74	80.80	23.20	80.80	23.78
	0	-0.7	86.80	21.92	86.80	22.54	86.80	23.16	86.80	23.36	86.80	23.78	86.80	24.40
	3	2.2	92.40	22.54	92.40	23.16	92.40	23.78	92.40	23.98	92.40	24.20	92.40	24.82
	5	4.1	96.20	22.96	96.20	23.36	96.20	23.98	96.20	24.20	96.20	24.60	96.20	25.02
	8.3	6.1	100.00	23.16	100.00	23.78	100.00	24.40	100.00	24.60	100.00	24.82	100.00	25.44
110	9	7.9	103.60	23.58	103.60	23.98	103.60	24.60	103.60	24.82	103.60	25.02	103.60	25.64
	11	9.8	107.40	23.78	107.40	24.40	107.40	24.82	107.40	25.02	107.40	25.22	104.60	24.82
	13	11.8	111.56	24.20	111.56	24.60	111.56	25.02	111.56	25.22	111.56	25.64	104.60	23.98
	15	13.7	115.00	24.40	115.00	24.82	115.00	25.22	115.00	25.44	112.20	25.02	104.60	22.96
	19	14.2	115.00	24.60	115.00	25.02	115.00	25.26	115.00	25.20	112.20	24.60	104.60	22.40
	21	15	115.00	24.86	115.00	25.22	115.00	25.40	115.00	25.00	112.20	23.84	104.60	22.00
	-14.7	-15	58.60	18.48	58.60	19.30	58.60	20.06	58.60	20.48	58.60	20.88	58.60	21.72
	-12.6	-13	62.40	19.34	62.40	20.08	62.40	20.88	62.40	21.30	62.40	21.50	62.40	22.34
	-10.5	-11	66.40	20.06	66.40	20.68	66.40	21.50	66.40	21.92	66.40	22.12	66.40	22.96
	-9.5	-10	68.60	20.40	68.60	21.10	68.60	21.72	68.60	22.20	68.60	22.54	68.60	23.16
	-8.5	-9.1	70.20	20.68	70.20	21.30	70.20	22.12	70.20	22.40	70.20	22.74	70.20	23.36
	-7	-7.6	73.00	21.10	73.00	21.72	73.00	22.34	73.00	22.80	73.00	23.16	73.00	23.78
	-5	-5.6	77.00	21.72	77.00	22.34	77.00	22.96	77.00	23.20	77.00	23.58	77.00	24.20
	-3	-3.7	80.80	22.12	80.80	22.74	80.80	23.36	80.80	23.60	80.80	23.98	80.80	24.40
	0	-0.7	86.80	22.74	86.80	23.36	86.80	23.98	86.80	24.20	86.80	24.40	86.80	25.02
	3	2.2	92.40	23.36	92.40	23.98	92.40	24.40	92.40	24.60	92.40	25.02	92.40	25.44

To be continued

Continued

YCV900HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	58.60	19.76	58.60	20.50	58.60	21.30	58.60	21.50	58.60	21.92	58.60	22.74
	-12.6	-13	62.40	20.54	62.40	21.30	62.40	21.92	62.40	22.12	62.40	22.54	62.40	23.16
	-10.5	-11	66.40	21.30	66.40	21.92	66.40	22.54	66.40	22.74	66.40	23.16	66.40	23.78
	-9.5	-10	68.60	21.50	68.60	22.12	68.60	22.74	68.60	23.16	68.60	23.36	68.60	23.98
	-8.5	-9.1	70.20	21.72	70.20	22.34	70.20	22.96	70.20	23.36	70.20	23.58	70.20	24.20
	-7	-7.6	73.00	22.12	73.00	22.74	73.00	23.36	73.00	23.58	73.00	23.98	73.00	24.60
	-5	-5.6	77.00	22.74	77.00	23.16	77.00	23.78	77.00	23.98	77.00	24.40	77.00	24.82
	-3	-3.7	80.80	23.16	80.80	23.58	80.80	24.20	80.80	24.40	80.80	24.60	80.80	25.22
	0	-0.7	86.80	23.78	86.80	24.20	86.80	24.60	86.80	25.02	86.80	25.22	86.80	25.64
	3	2.2	92.40	24.20	92.40	24.60	92.40	25.22	92.40	25.44	92.40	25.64	87.20	23.98
	5	4.1	96.20	24.40	96.20	25.02	96.20	25.44	96.20	25.64	96.20	24.82	87.20	22.96
	8.3	6.1	100.00	24.82	100.00	25.22	100.00	27.00	96.80	24.60	93.60	23.78	87.20	21.92
	9	7.9	103.60	25.02	103.60	25.44	100.00	24.60	96.80	23.78	93.60	22.74	87.20	21.10
	11	9.8	107.40	25.22	106.40	25.44	100.00	23.58	96.80	22.74	93.60	21.92	87.20	20.28
	13	11.8	111.56	25.44	106.40	24.40	100.00	22.74	96.80	21.92	93.60	21.10	87.20	19.52
90	15	13.7	112.80	25.02	106.40	23.58	100.00	21.92	96.80	21.10	93.60	20.34	87.20	18.84
	19	14.2	112.80	24.36	106.40	22.76	100.00	21.38	96.80	20.22	93.60	19.56	87.20	18.34
	21	15	112.80	23.58	106.40	21.78	100.00	20.56	96.80	19.90	93.60	18.98	87.20	17.92
	-14.7	-15	58.60	21.10	58.60	21.72	58.60	22.34	58.60	22.74	58.60	22.96	58.60	23.58
	-12.6	-13	62.40	21.72	62.40	22.34	62.40	22.96	62.40	23.16	62.40	23.58	62.40	24.20
	-10.5	-11	66.40	22.34	66.40	22.96	66.40	23.58	66.40	23.78	66.40	23.98	66.40	24.60
	-9.5	-10	68.60	22.54	68.60	23.16	68.60	23.78	68.60	23.98	68.60	24.20	68.60	24.82
	-8.5	-9.1	70.20	22.74	70.20	23.36	70.20	23.98	70.20	24.20	70.20	24.40	70.20	25.02
	-7	-7.6	73.00	23.16	73.00	23.78	73.00	24.20	73.00	24.60	73.00	24.82	73.00	25.22
	-5	-5.6	77.00	23.58	77.00	24.20	77.00	24.60	77.00	24.82	77.00	25.22	77.00	25.64
	-3	-3.7	80.80	23.98	80.80	24.60	80.80	25.02	80.80	25.22	80.80	25.44	78.40	24.60
	0	-0.7	86.80	24.60	86.80	25.02	86.80	25.44	86.80	25.64	84.20	24.60	78.40	22.74
	3	2.2	92.40	25.02	92.40	25.44	90.00	24.82	87.00	23.98	84.20	22.96	78.40	21.30
	5	4.1	96.20	25.22	95.60	25.44	90.00	23.78	87.00	22.96	84.20	21.92	78.40	20.34
	8.3	6.1	100.00	25.44	95.60	24.40	90.00	22.74	87.00	21.92	84.20	21.10	78.40	19.54
80	9	7.9	101.60	25.02	95.60	23.36	90.00	21.92	87.00	21.10	84.20	20.30	78.40	18.80
	11	9.8	101.60	23.98	95.60	22.54	90.00	21.10	87.00	20.26	84.20	19.54	78.40	18.12
	13	11.8	101.60	23.16	95.60	21.72	90.00	20.20	87.00	19.50	84.20	18.82	78.40	17.46
	15	13.7	101.60	22.34	95.60	20.88	90.00	19.50	87.00	18.84	84.20	18.18	78.40	16.86
	19	14.2	101.60	21.78	95.60	20.30	90.00	18.88	87.00	18.28	84.20	17.52	78.40	16.24
	21	15	101.60	20.98	95.60	19.54	90.00	18.54	87.00	17.68	84.20	16.90	78.40	15.58
	-14.7	-15	58.60	22.34	58.60	22.96	58.60	23.58	58.60	23.78	58.60	23.98	58.60	24.60
	-12.6	-13	62.40	22.96	62.40	23.36	62.40	23.98	62.40	24.20	62.40	24.60	62.40	25.02
	-10.5	-11	66.40	23.36	66.40	23.98	66.40	24.40	66.40	24.82	66.40	25.02	66.40	25.44
	-9.5	-10	68.60	23.78	68.60	24.20	68.60	24.60	68.60	25.02	68.60	25.22	68.60	25.64
	-8.5	-9.1	70.20	23.98	70.20	24.40	70.20	24.82	70.20	25.22	70.20	25.44	69.60	25.22
	-7	-7.6	73.00	24.20	73.00	24.60	73.00	25.22	73.00	25.44	73.00	25.64	69.60	23.98
	-5	-5.6	77.00	24.60	77.00	25.02	77.00	25.44	77.20	25.64	74.80	24.60	69.60	22.74
	-3	-3.7	80.80	25.02	80.80	25.44	80.00	25.22	77.20	24.20	74.80	23.36	69.60	21.50
	0	-0.7	86.80	25.44	85.00	25.02	80.00	23.36	77.20	22.54	74.80	21.50	69.60	19.98
	3	2.2	90.20	24.82	85.00	23.36	80.00	21.72	77.20	20.88	74.80	20.18	69.60	18.70
	5	4.1	90.20	23.78	85.00	22.34	80.00	20.88	77.20	20.06	74.80	19.34	69.60	17.92
	8.3	6.1	90.20	22.74	85.00	21.30	80.00	19.96	77.20	19.28	74.80	18.58	69.60	17.24
	9	7.9	90.20	21.92	85.00	20.54	80.00	19.18	77.20	18.52	74.80	17.88	69.60	16.60
	11	9.8	90.20	21.10	85.00	19.76	80.00	18.48	77.20	17.86	74.80	17.24	69.60	16.00
	13	11.8	90.20	20.28	85.00	19.02	80.00	17.80	77.20	17.20	74.80	16.60	69.60	15.44
	15	13.7	90.20	19.58	85.00	18.20	80.00	17.20	77.20	16.62	74.80	16.06	69.60	14.94
	19	14.2	90.20	18.90	85.00	17.88	80.00	16.52	77.20	16.00	74.80	15.38	69.60	14.58
	21	15	90.20	18.36	85.00	17.10	80.00	16.08	77.20	15.50	74.80	14.86	69.60	13.80

To be continued

Continued

			YCV900HR											
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	58.60	23.58	58.60	24.20	58.60	24.60	58.60	24.82	58.60	25.02	58.60	25.64
	-12.6	-13	62.40	24.20	62.40	24.60	62.40	25.02	62.40	25.22	62.40	25.64	61.00	24.60
	-10.5	-11	66.40	24.60	66.40	25.02	66.40	25.44	66.40	25.64	65.40	24.82	61.00	22.96
	-9.5	-10	68.60	24.82	68.60	25.22	68.60	25.64	67.60	25.02	65.40	23.98	61.00	22.12
	-8.5	-9.1	70.20	25.02	70.20	25.44	70.00	25.22	67.60	24.40	65.40	23.36	61.00	21.72
	-7	-7.6	73.00	25.22	73.00	25.64	70.00	24.20	67.60	23.16	65.40	22.34	61.00	20.68
	-5	-5.6	77.00	25.64	74.40	24.40	70.00	22.74	67.60	21.92	65.40	21.10	61.00	19.58
	-3	-3.7	78.80	24.82	74.40	23.16	70.00	21.72	67.60	20.88	65.40	20.12	61.00	18.64
	0	-0.7	78.80	22.96	74.40	21.50	70.00	20.08	67.60	19.38	65.40	18.68	61.00	17.32
	3	2.2	78.80	21.50	74.40	20.08	70.00	18.76	67.60	18.12	65.40	17.50	61.00	16.24
	5	4.1	78.80	20.52	74.40	19.26	70.00	18.02	67.60	17.38	65.40	16.80	61.00	15.62
	8.3	6.1	78.80	19.68	74.40	18.48	70.00	17.30	67.60	16.72	65.40	16.14	61.00	15.04
	9	7.9	78.80	18.94	74.40	17.78	70.00	16.66	67.60	16.10	65.40	15.58	61.00	14.50
	11	9.8	78.80	18.24	74.40	17.14	70.00	16.08	67.60	15.54	65.40	14.90	61.00	14.00
60	13	11.8	78.80	17.58	74.40	16.52	70.00	15.50	67.60	15.02	65.40	14.50	61.00	13.52
	15	13.7	78.80	16.98	74.40	15.98	70.00	15.02	67.60	14.52	65.40	14.04	61.00	13.10
	19	14.2	78.80	16.12	74.40	15.54	70.00	14.60	67.60	13.84	65.40	13.24	61.00	12.56
	21	15	78.80	15.54	74.40	14.78	70.00	13.94	67.60	13.20	65.40	12.58	61.00	11.88
	-14.7	-15	58.60	24.82	58.60	25.22	58.60	25.64	58.00	24.82	56.20	23.98	52.20	22.12
	-12.6	-13	62.40	25.22	62.40	25.64	60.00	23.98	58.00	23.16	56.20	22.34	52.20	20.64
	-10.5	-11	66.40	25.64	63.60	24.20	60.00	22.54	58.00	21.72	56.20	20.88	52.20	19.36
	-9.5	-10	67.60	25.02	63.60	23.36	60.00	21.92	58.00	21.10	56.20	20.28	52.20	18.78
	-8.5	-9.1	67.60	24.40	63.60	22.74	60.00	21.30	58.00	20.50	56.20	19.74	52.20	18.30
	-7	-7.6	67.60	23.16	63.60	21.72	60.00	20.32	58.00	19.60	56.20	18.92	52.20	17.54
	-5	-5.6	67.60	21.92	63.60	20.58	60.00	19.24	58.00	18.56	56.20	17.90	52.20	16.62
	-3	-3.7	67.60	20.88	63.60	19.56	60.00	18.30	58.00	17.68	56.20	17.06	52.20	15.86
	0	-0.7	67.60	19.36	63.60	18.18	60.00	17.02	58.00	16.46	56.20	15.90	52.20	14.78
	3	2.2	67.60	18.12	63.60	17.02	60.00	15.96	58.00	15.44	56.20	14.92	52.20	13.92
50	5	4.1	67.60	17.38	63.60	16.36	60.00	15.34	58.00	14.84	56.20	14.36	52.20	13.38
	8.3	6.1	67.60	16.70	63.60	15.74	60.00	14.78	58.00	14.30	56.20	13.84	52.20	12.90
	9	7.9	67.60	16.10	63.60	15.18	60.00	14.24	58.00	13.82	56.20	13.36	52.20	12.46
	11	9.8	67.60	15.54	63.60	14.64	60.00	13.78	58.00	13.34	56.20	12.90	52.20	12.08
	13	11.8	67.60	15.00	63.60	14.14	60.00	13.30	58.00	12.88	56.20	12.48	52.20	11.68
	15	13.7	67.60	14.52	63.60	13.68	60.00	12.88	58.00	12.48	56.20	12.10	52.20	11.34
	19	14.2	67.60	14.10	63.60	13.02	60.00	12.50	58.00	12.10	56.20	11.64	52.20	10.84
	21	15	67.60	13.52	63.60	12.66	60.00	11.96	58.00	11.70	56.20	11.26	52.20	10.42
	-14.7	-15	56.40	23.98	53.00	22.54	50.00	21.10	48.40	20.30	46.80	19.56	43.40	18.14
	-12.6	-13	56.40	22.54	53.00	21.10	50.00	19.64	48.40	18.98	46.80	18.30	43.40	16.98
	-10.5	-11	56.40	21.10	53.00	19.72	50.00	18.44	48.40	17.82	46.80	17.20	43.40	15.98
	-9.5	-10	56.40	20.38	53.00	19.12	50.00	17.90	48.40	17.30	46.80	16.70	43.40	15.52
	-8.5	-9.1	56.40	19.86	53.00	18.64	50.00	17.46	48.40	16.86	46.80	16.28	43.40	15.14
	-7	-7.6	56.40	19.02	53.00	17.86	50.00	16.72	48.40	16.16	46.80	15.64	43.40	14.56
	-5	-5.6	56.40	18.02	53.00	16.94	50.00	15.88	48.40	15.36	46.80	14.84	43.40	13.84
	-3	-3.7	56.40	17.16	53.00	16.14	50.00	15.16	48.40	14.66	46.80	14.18	43.40	13.24
	0	-0.7	56.40	15.98	53.00	15.06	50.00	14.14	48.40	13.70	46.80	13.26	43.40	12.38
	3	2.2	56.40	15.00	53.00	14.14	50.00	13.32	48.40	12.90	46.80	12.48	43.40	11.68
	5	4.1	56.40	14.44	53.00	13.62	50.00	12.82	48.40	12.42	46.80	12.18	43.40	11.26
	8.3	6.1	56.40	13.90	53.00	13.14	50.00	12.36	48.40	12.00	46.80	11.62	43.40	10.90
	9	7.9	56.40	13.42	53.00	12.68	50.00	11.96	48.40	11.60	46.80	11.24	43.40	10.54
	11	9.8	56.40	12.96	53.00	12.26	50.00	11.58	48.40	11.22	46.80	10.90	43.40	10.22
	13	11.8	56.40	12.56	53.00	11.86	50.00	11.20	48.40	10.88	46.80	10.54	43.40	9.90
	15	13.7	56.40	12.16	53.00	11.52	50.00	10.88	48.40	10.56	46.80	10.24	43.40	9.64
	19	14.2	56.40	11.78	53.00	11.06	50.00	10.50	48.40	10.10	46.80	9.88	43.40	9.22
	21	15	56.40	11.00	53.00	10.76	50.00	10.22	48.40	9.66	46.80	9.50	43.40	8.84
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCV960HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-14.7	-15	67.00	16.88	67.00	17.87	67.00	18.86	66.80	19.36	66.80	19.87	66.80	20.86
	-12.6	-13	70.60	17.91	70.60	18.86	70.60	19.80	70.60	20.25	70.60	20.73	70.60	21.65
	-10.5	-11	74.60	18.83	74.60	19.73	74.60	20.60	74.60	21.04	74.60	21.51	74.60	22.33
	-9.5	-10	76.80	19.27	76.80	20.12	76.80	20.97	76.80	21.41	76.80	21.85	76.80	22.74
	-8.5	-9.1	78.50	19.64	78.50	20.48	78.50	21.30	78.50	21.72	78.50	22.09	78.50	22.97
	-7	-7.6	81.60	20.19	81.60	21.00	81.60	21.81	81.60	22.33	81.60	22.53	81.60	23.42
	-5	-5.6	85.40	20.86	85.40	21.64	85.40	22.33	85.40	22.74	85.40	23.18	85.40	23.86
	-3	-3.7	89.00	21.48	89.00	22.09	89.00	22.97	89.00	23.42	89.00	23.62	89.00	24.50
	0	-0.7	95.00	22.33	95.00	22.97	95.00	23.62	95.00	24.06	95.00	24.27	95.00	24.95
	3	2.2	100.30	22.97	100.30	23.62	100.30	24.27	100.30	24.50	100.30	24.95	100.30	25.59
	5	4.1	104.30	23.42	104.30	24.06	104.30	24.71	104.30	24.95	104.30	25.39	104.30	25.80
	8.3	6.1	108.00	23.86	108.00	24.50	108.00	24.95	108.00	25.39	108.00	25.59	108.00	26.24
	9	7.9	111.80	24.06	111.60	24.71	111.60	25.39	111.60	25.59	111.60	25.80	111.60	26.48
	11	9.8	115.40	24.50	115.40	24.95	115.40	25.59	115.40	25.80	115.40	26.24	115.40	26.68
	13	11.8	118.40	24.71	118.40	25.39	118.40	25.80	118.40	26.24	118.40	26.48	118.40	26.92
	15	13.7	123.00	25.15	123.00	25.59	123.00	26.04	123.00	26.48	123.00	26.68	122.40	26.68
	19	14.2	123.00	25.39	123.00	25.87	123.00	26.27	123.00	26.69	123.00	26.93	122.40	26.16
	21	15	123.00	25.57	123.00	26.11	123.00	26.52	123.00	26.85	123.00	26.51	122.40	25.90
120	-14.7	-15	67.00	18.21	66.80	19.13	66.80	20.05	66.80	20.52	66.80	20.97	66.80	21.88
	-12.6	-13	70.60	19.19	70.60	20.05	70.60	20.90	70.60	21.34	70.60	21.79	70.60	22.74
	-10.5	-11	74.60	20.05	74.60	20.85	74.60	21.65	74.60	22.09	74.60	22.53	74.60	23.42
	-9.5	-10	76.80	20.43	76.80	21.21	76.80	22.09	76.80	22.33	76.80	22.74	76.80	23.62
	-8.5	-9.1	78.50	20.76	78.50	21.52	78.50	22.33	78.50	22.74	78.50	23.18	78.50	23.86
	-7	-7.6	81.60	21.27	81.60	22.09	81.60	22.74	81.60	23.18	81.60	23.42	81.60	24.27
	-5	-5.6	85.40	21.88	85.40	22.53	85.40	23.42	85.40	23.62	85.40	24.09	85.40	24.71
	-3	-3.7	89.00	22.53	89.00	23.18	89.00	23.86	89.00	24.06	89.00	24.54	89.00	25.15
	0	-0.7	95.00	23.18	95.00	23.86	95.00	24.50	95.00	24.71	95.00	25.15	95.00	25.80
	3	2.2	100.30	23.86	100.30	24.50	100.30	25.15	100.30	25.39	100.30	25.59	100.30	26.24
	5	4.1	104.30	24.27	104.30	24.71	104.30	25.39	104.30	25.59	104.30	26.04	104.30	26.48
	8.3	6.1	108.00	24.50	108.00	25.15	108.00	25.80	108.00	26.04	108.00	26.24	108.00	26.92
	9	7.9	111.60	24.95	111.60	25.39	111.60	26.04	111.60	26.24	111.60	26.48	111.60	27.13
	11	9.8	115.40	25.15	115.40	25.80	115.40	26.24	115.40	26.48	115.40	26.68	112.90	26.24
	13	11.8	118.40	25.59	118.40	26.04	118.40	26.48	118.40	26.68	118.40	27.13	112.90	25.39
	15	13.7	123.00	25.80	123.00	26.24	123.00	26.68	123.00	26.92	121.90	26.48	112.90	24.27
	19	14.2	123.00	26.03	123.00	26.48	123.00	26.71	123.00	26.65	121.90	26.03	112.90	23.69
	21	15	123.00	26.30	123.00	26.68	123.00	26.88	123.00	26.45	121.90	25.22	112.90	23.28
110	-14.7	-15	66.80	19.57	66.80	20.42	66.80	21.21	66.80	21.65	66.80	22.09	66.80	22.97
	-12.6	-13	70.60	20.45	70.60	21.24	70.60	22.09	70.60	22.53	70.60	22.74	70.60	23.62
	-10.5	-11	74.60	21.21	74.60	21.88	74.60	22.74	74.60	23.18	74.60	23.42	74.60	24.27
	-9.5	-10	76.80	21.58	76.80	22.33	76.80	22.97	76.80	23.42	76.80	23.86	76.80	24.50
	-8.5	-9.1	78.50	21.88	78.50	22.53	78.50	23.42	78.50	23.64	78.50	24.06	78.50	24.71
	-7	-7.6	81.60	22.33	81.60	22.97	81.60	23.62	81.60	24.09	81.60	24.50	81.60	25.15
	-5	-5.6	85.40	22.97	85.40	23.62	85.40	24.27	85.40	24.54	85.40	24.95	85.40	25.59
	-3	-3.7	89.00	23.42	89.00	24.06	89.00	24.71	89.00	24.90	89.00	25.39	89.00	25.80
	0	-0.7	95.00	24.06	94.80	24.71	94.80	25.39	94.80	25.57	94.80	25.80	94.80	26.48
	3	2.2	100.30	24.71	100.30	25.39	100.30	25.80	100.30	26.04	100.30	26.48	100.30	26.92
	5	4.1	104.30	25.15	104.30	25.59	104.30	26.04	104.30	26.48	104.30	26.68	103.60	26.92
	8.3	6.1	108.00	25.39	108.00	25.80	108.00	26.48	108.00	26.68	108.00	26.92	103.60	25.80
	9	7.9	111.60	25.80	111.60	26.24	111.60	26.68	111.60	26.92	110.90	26.92	103.60	24.71
	11	9.8	115.40	26.04	115.40	26.48	115.40	26.92	114.90	26.92	110.90	25.80	103.60	23.86
	13	11.8	118.40	26.24	118.40	26.68	119.00	26.68	114.90	25.80	110.90	24.71	103.60	22.97
	15	13.7	123.00	26.48	123.00	26.92	119.00	25.80	114.90	24.95	110.90	23.86	103.60	22.09
	19	14.2	123.00	24.74	123.00	26.65	119.00	24.98	114.90	23.93	110.90	23.04	103.60	21.37
	21	15	123.00	24.95	123.00	25.90	119.00	23.65	114.90	23.21	110.90	22.39	103.60	21.07

To be continued

Continued

YCV960HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	66.80	20.90	66.80	21.68	66.80	22.53	66.80	22.74	66.80	23.18	66.80	24.06
	-12.6	-13	70.60	21.72	70.60	22.53	70.60	23.18	70.60	23.42	70.60	23.86	70.60	24.50
	-10.5	-11	74.60	22.53	74.60	23.18	74.60	23.86	74.60	24.06	74.60	24.50	74.60	25.15
	-9.5	-10	76.80	22.74	76.80	23.42	76.80	24.06	76.80	24.50	76.80	24.71	76.80	25.39
	-8.5	-9.1	78.50	22.97	78.50	23.62	78.50	24.27	78.50	24.76	78.50	24.95	78.50	25.59
	-7	-7.6	81.60	23.42	81.60	24.06	81.60	24.71	81.60	24.90	81.60	25.39	81.60	26.04
	-5	-5.6	85.40	24.06	85.40	24.50	85.40	25.15	85.40	25.35	85.40	25.80	85.40	26.24
	-3	-3.7	89.00	24.50	89.00	24.95	89.00	25.59	89.00	25.78	89.00	26.04	89.00	26.68
	0	-0.7	94.80	25.15	94.80	25.59	94.80	26.04	94.80	26.47	94.80	26.68	94.30	27.13
	3	2.2	100.30	25.59	100.30	26.04	100.30	26.68	100.30	26.92	100.30	27.13	94.30	25.39
	5	4.1	104.30	25.80	104.30	26.48	104.30	26.92	104.30	27.13	101.10	26.24	94.30	24.27
	8.3	6.1	108.00	26.24	108.00	26.68	108.00	27.04	104.60	26.04	101.10	25.15	94.30	23.18
	9	7.9	111.60	26.48	111.60	26.92	108.00	26.04	104.60	25.15	101.10	24.06	94.30	22.33
	11	9.8	115.40	26.68	114.90	26.92	108.00	24.95	104.60	24.06	101.10	23.18	94.30	21.47
	13	11.8	118.40	26.92	114.90	25.80	108.00	24.06	104.60	23.18	101.10	22.33	94.30	20.66
90	15	13.7	121.70	26.48	114.90	24.95	108.00	23.18	104.60	22.33	101.10	21.52	94.30	19.94
	19	14.2	121.70	25.77	114.90	24.09	108.00	22.60	104.60	21.38	101.10	20.70	94.30	19.40
	21	15	121.70	24.95	114.90	23.04	108.00	21.76	104.60	21.07	101.10	20.08	94.30	18.96
	-14.7	-15	66.80	22.33	66.80	22.97	66.80	23.62	66.80	24.06	66.80	24.27	66.80	24.95
	-12.6	-13	70.60	22.97	70.60	23.62	70.60	24.27	70.60	24.50	70.60	24.95	70.60	25.59
	-10.5	-11	74.60	23.62	74.60	24.27	74.60	24.95	74.60	25.15	74.60	25.39	74.60	26.04
	-9.5	-10	76.80	23.86	76.80	24.50	76.80	25.15	76.80	25.39	76.80	25.59	76.80	26.24
	-8.5	-9.1	78.50	24.06	78.50	24.71	78.50	25.39	78.50	25.59	78.50	25.80	78.50	26.48
	-7	-7.6	81.60	24.50	81.60	25.15	81.60	25.59	81.60	26.04	81.60	26.24	81.40	26.68
	-5	-5.6	85.40	24.95	85.40	25.59	85.40	26.04	85.40	26.24	85.40	26.68	84.20	27.13
	-3	-3.7	89.00	25.39	89.00	26.04	89.00	26.48	89.00	26.68	89.00	26.92	84.40	26.04
	0	-0.7	94.80	26.04	94.80	26.48	94.80	26.92	93.70	27.13	90.80	26.04	84.40	24.06
	3	2.2	100.30	26.48	100.30	26.92	97.20	26.24	93.70	25.39	90.80	24.27	84.40	22.53
	5	4.1	104.30	26.68	103.80	26.92	97.20	25.15	93.70	24.27	90.80	23.18	84.40	21.52
	8.3	6.1	108.00	26.92	103.80	25.80	97.20	24.06	93.70	23.18	90.80	22.33	84.40	20.67
80	9	7.9	109.80	26.48	103.80	24.71	97.20	23.18	93.70	22.33	90.80	21.48	84.40	19.88
	11	9.8	109.80	25.39	103.80	23.86	97.20	22.33	93.70	21.44	90.80	20.67	84.40	19.16
	13	11.8	109.80	24.50	103.80	22.97	97.20	21.37	93.70	20.63	90.80	19.91	84.40	18.46
	15	13.7	109.80	23.62	103.80	22.09	97.20	20.63	93.70	19.94	90.80	19.23	84.40	17.83
	19	14.2	109.80	23.04	103.80	21.47	97.20	19.98	93.70	19.33	90.80	18.55	84.40	17.19
	21	15	109.80	22.20	103.80	20.67	97.20	19.61	93.70	18.69	90.80	17.88	84.40	16.48
	-14.7	-15	66.80	23.62	66.80	24.27	66.80	24.95	66.80	25.15	66.80	25.39	66.80	26.04
	-12.6	-13	70.60	24.27	70.60	24.71	70.60	25.39	70.60	25.59	70.60	26.04	70.60	26.48
	-10.5	-11	74.60	24.71	74.60	25.39	74.60	25.80	74.60	26.24	74.60	26.48	74.20	26.92
	-9.5	-10	76.80	25.15	76.80	25.59	76.80	26.04	76.80	26.48	76.80	26.68	75.20	27.13
	-8.5	-9.1	78.50	25.39	78.50	25.80	78.50	26.24	78.50	26.68	78.50	26.92	75.30	26.68
	-7	-7.6	81.60	25.59	81.60	26.04	81.40	26.68	81.40	26.92	80.40	27.13	75.30	25.39
	-5	-5.6	85.40	26.04	85.40	26.48	85.40	26.92	83.40	27.13	80.90	26.04	75.30	24.06
	-3	-3.7	89.00	26.48	89.00	26.92	86.40	26.68	83.40	25.59	80.90	24.71	75.30	22.74
	0	-0.7	94.80	26.92	91.90	26.48	86.40	24.71	83.40	23.86	80.90	22.74	75.30	21.14
	3	2.2	97.30	26.24	91.90	24.71	86.40	22.97	83.40	22.09	80.90	21.34	75.30	19.77
	5	4.1	97.30	25.15	91.90	23.62	86.40	22.09	83.40	21.21	80.90	20.45	75.30	18.96
	8.3	6.1	97.30	24.06	91.90	22.53	86.40	21.11	83.40	20.39	80.90	19.67	75.30	18.24
	9	7.9	97.30	23.18	91.90	21.72	86.40	20.29	83.40	19.61	80.90	18.92	75.30	17.56
	11	9.8	97.30	22.33	91.90	20.90	86.40	19.57	83.40	18.90	80.90	18.24	75.30	16.93
	13	11.8	97.30	21.47	91.90	20.12	86.40	18.83	83.40	18.20	80.90	17.56	75.30	16.34
	15	13.7	97.30	20.73	91.90	19.26	86.40	18.20	83.40	17.59	80.90	16.99	75.30	15.83
	19	14.2	97.30	20.01	91.90	18.92	86.40	17.47	83.40	16.95	80.90	16.27	75.30	15.42
	21	15	97.30	19.44	91.90	18.10	86.40	17.01	83.40	16.40	80.90	15.72	75.30	14.61

Capacity table

To be continued

Continued

Capacity Factor (%)	Outdoor Temp.		YCV960HR Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-14.7	-15	66.80	24.95	66.80	25.59	66.80	26.04	66.80	26.24	66.80	26.48	65.20	27.13
	-12.6	-13	70.60	25.59	70.60	26.04	70.60	26.48	70.60	26.68	69.60	27.13	65.80	26.04
	-10.5	-11	74.60	26.04	74.60	26.48	74.40	26.92	72.80	27.13	70.70	26.24	65.80	24.27
	-9.5	-10	76.80	26.24	76.80	26.68	75.40	27.13	73.10	26.48	70.70	25.39	65.80	23.42
	-8.5	-9.1	78.50	26.48	78.50	26.92	75.80	26.68	73.10	25.80	70.70	24.71	65.80	22.97
	-7	-7.6	81.40	26.68	80.20	27.13	75.80	25.59	73.10	24.50	70.70	23.62	65.80	21.88
	-5	-5.6	84.80	27.13	80.50	25.80	75.80	24.06	73.10	23.18	70.70	22.33	65.80	20.73
	-3	-3.7	85.40	26.24	80.50	24.50	75.80	22.97	73.10	22.09	70.70	21.27	65.80	19.70
	0	-0.7	85.40	24.27	80.50	22.74	75.80	21.24	73.10	20.49	70.70	19.74	65.80	18.34
	3	2.2	85.40	22.74	80.50	21.24	75.80	19.84	73.10	19.16	70.70	18.52	65.80	17.18
	5	4.1	85.40	21.71	80.50	20.36	75.80	19.06	73.10	18.41	70.70	17.77	65.80	16.51
	8.3	6.1	85.40	20.82	80.50	19.57	75.80	18.31	73.10	17.70	70.70	17.08	65.80	15.89
	9	7.9	85.40	20.05	80.50	18.82	75.80	17.63	73.10	17.04	70.70	16.47	65.80	15.35
	11	9.8	85.40	19.29	80.50	18.14	75.80	17.01	73.10	16.44	70.70	15.77	65.80	14.81
	13	11.8	85.40	18.58	80.50	17.49	75.80	16.41	73.10	15.89	70.70	15.35	65.80	14.30
60	15	13.7	85.40	17.97	80.50	16.92	75.80	15.89	73.10	15.35	70.70	14.84	65.80	13.86
	19	14.2	85.40	17.05	80.50	16.44	75.80	15.44	73.10	14.64	70.70	14.02	65.80	13.30
	21	15	85.40	16.44	80.50	15.63	75.80	14.74	73.10	13.96	70.70	13.31	65.80	12.57
	-14.7	-15	66.80	26.24	66.80	26.68	64.60	27.13	62.70	26.24	60.70	25.39	56.50	23.42
	-12.6	-13	70.60	26.68	68.60	27.13	64.80	25.39	62.70	24.50	60.70	23.62	56.50	21.82
	-10.5	-11	72.80	27.13	68.90	25.59	64.80	23.86	62.70	22.97	60.70	22.09	56.50	20.48
	-9.5	-10	73.10	26.48	68.90	24.71	64.80	23.18	62.70	22.33	60.70	21.47	56.50	19.87
	-8.5	-9.1	73.10	25.80	68.90	24.06	64.80	22.53	62.70	21.68	60.70	20.89	56.50	19.36
	-7	-7.6	73.10	24.50	68.90	22.97	64.80	21.51	62.70	20.73	60.70	20.02	56.50	18.55
	-5	-5.6	73.10	23.18	68.90	21.78	64.80	20.35	62.70	19.64	60.70	18.95	56.50	17.59
	-3	-3.7	73.10	22.09	68.90	20.70	64.80	19.36	62.70	18.71	60.70	18.04	56.50	16.78
	0	-0.7	73.10	20.48	68.90	19.23	64.80	18.01	62.70	17.42	60.70	16.82	56.50	15.65
	3	2.2	73.10	19.16	68.90	18.01	64.80	16.89	62.70	16.34	60.70	15.80	56.50	14.73
	5	4.1	73.10	18.41	68.90	17.30	64.80	16.24	62.70	15.70	60.70	15.18	56.50	14.16
	8.3	6.1	73.10	17.67	68.90	16.64	64.80	15.65	62.70	15.14	60.70	14.64	56.50	13.65
50	9	7.9	73.10	17.04	68.90	16.06	64.80	15.08	62.70	14.61	60.70	14.13	56.50	13.20
	11	9.8	73.10	16.44	68.90	15.48	64.80	14.57	62.70	14.12	60.70	13.65	56.50	12.77
	13	11.8	73.10	15.86	68.90	14.97	64.80	14.06	62.70	13.62	60.70	13.20	56.50	12.36
	15	13.7	73.10	15.35	68.90	14.47	64.80	13.62	62.70	13.20	60.70	12.80	56.50	11.99
	19	14.2	73.10	14.91	68.90	13.78	64.80	13.20	62.70	12.80	60.70	12.32	56.50	11.47
	21	15	73.10	14.29	68.90	13.38	64.80	12.66	62.70	12.39	60.70	11.92	56.50	11.03
	-14.7	-15	60.90	25.39	57.50	23.86	54.10	22.33	52.10	21.48	50.40	20.70	47.00	19.19
	-12.6	-13	60.90	23.86	57.50	22.33	54.10	20.79	52.10	20.08	50.40	19.36	47.00	17.97
	-10.5	-11	60.90	22.33	57.50	20.86	54.10	19.51	52.10	18.86	50.40	18.20	47.00	16.92
	-9.5	-10	60.90	21.58	57.50	20.24	54.10	18.95	52.10	18.31	50.40	17.67	47.00	16.43
	-8.5	-9.1	60.90	21.00	57.50	19.70	54.10	18.46	52.10	17.83	50.40	17.22	47.00	16.00
	-7	-7.6	60.90	20.12	57.50	18.90	54.10	17.70	52.10	17.11	50.40	16.54	47.00	15.39
	-5	-5.6	60.90	19.06	57.50	17.91	54.10	16.81	52.10	16.26	50.40	15.70	47.00	14.64
	-3	-3.7	60.90	18.14	57.50	17.08	54.10	16.03	52.10	15.51	50.40	15.01	47.00	13.99
	0	-0.7	60.90	16.92	57.50	15.92	54.10	14.97	52.10	14.50	50.40	14.02	47.00	13.11
	3	2.2	60.90	15.86	57.50	14.97	54.10	14.09	52.10	13.65	50.40	13.20	47.00	12.36
	5	4.1	60.90	15.28	57.50	14.42	54.10	13.58	52.10	13.15	50.40	12.48	47.00	11.92
	8.3	6.1	60.90	14.71	57.50	13.89	54.10	13.08	52.10	12.69	50.40	12.29	47.00	11.54
	9	7.9	60.90	14.20	57.50	13.41	54.10	12.66	52.10	12.28	50.40	11.91	47.00	11.16
	11	9.8	60.90	13.72	57.50	12.97	54.10	12.25	52.10	11.88	50.40	11.54	47.00	10.82
	13	11.8	60.90	13.27	57.50	12.56	54.10	11.85	52.10	11.51	50.40	11.16	47.00	10.49
	15	13.7	60.90	12.86	57.50	12.18	54.10	11.51	52.10	11.17	50.40	10.83	47.00	10.20
	19	14.2	60.90	12.46	57.50	11.70	54.10	11.09	52.10	10.68	50.40	10.46	47.00	9.74
	21	15	60.90	11.64	57.50	11.37	54.10	10.82	52.10	10.24	50.40	10.04	47.00	9.36
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCV1010HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-14.7	-15	69.50	17.89	69.50	18.95	69.50	19.99	69.30	20.53	69.30	21.07	69.30	22.12
	-12.6	-13	73.40	18.99	73.40	19.99	73.40	21.00	73.40	21.47	73.40	21.98	73.40	22.96
	-10.5	-11	77.60	19.96	77.60	20.93	77.60	21.84	77.60	22.31	77.60	22.80	77.60	23.67
	-9.5	-10	79.90	20.43	79.90	21.33	79.90	22.23	79.90	22.70	79.90	23.17	79.90	24.11
	-8.5	-9.1	81.70	20.81	81.70	21.72	81.70	22.59	81.70	23.03	81.70	23.42	81.70	24.36
	-7	-7.6	84.90	21.40	84.90	22.27	84.90	23.13	84.90	23.67	84.90	23.89	84.90	24.82
	-5	-5.6	88.90	22.12	88.90	22.94	88.90	23.67	88.90	24.11	88.90	24.58	88.90	25.29
	-3	-3.7	92.80	22.77	92.80	23.42	92.80	24.36	92.80	24.82	92.80	25.05	92.80	25.98
	0	-0.7	99.20	23.67	99.20	24.36	99.20	25.05	99.20	25.51	99.20	25.74	99.20	26.45
	3	2.2	104.80	24.36	104.80	25.05	104.80	25.74	104.80	25.98	104.80	26.45	104.80	27.14
	5	4.1	109.10	24.82	109.10	25.51	109.10	26.20	109.10	26.45	109.10	26.91	109.10	27.36
	8.3	6.1	113.00	25.29	113.00	25.98	113.00	26.45	113.00	26.91	113.00	27.14	113.00	27.83
	9	7.9	117.00	25.51	116.80	26.20	116.80	26.91	116.80	27.14	116.80	27.36	116.80	28.07
	11	9.8	120.90	25.98	120.90	26.45	120.90	27.14	120.90	27.36	120.90	27.83	120.90	28.29
	13	11.8	125.18	26.20	125.18	26.91	125.18	27.36	125.18	27.83	125.18	28.07	125.18	28.54
	15	13.7	129.00	26.67	128.90	27.14	128.90	27.60	128.90	28.07	128.90	28.29	128.00	28.29
120	19	14.2	129.00	26.92	128.90	27.42	128.90	27.86	128.90	28.30	128.90	28.55	128.00	27.74
	21	15	129.00	27.11	128.90	27.68	128.90	28.12	128.90	28.47	128.90	28.11	128.00	27.45
	-14.7	-15	69.50	19.31	69.30	20.29	69.30	21.26	69.30	21.76	69.30	22.23	69.30	23.20
	-12.6	-13	73.40	20.35	73.40	21.25	73.40	22.16	73.40	22.63	73.40	23.10	73.40	24.11
	-10.5	-11	77.60	21.25	77.60	22.11	77.60	22.96	77.60	23.42	77.60	23.89	77.60	24.82
	-9.5	-10	79.90	21.66	79.90	22.49	79.90	23.42	79.90	23.67	79.90	24.11	79.90	25.05
	-8.5	-9.1	81.70	22.01	81.70	22.81	81.70	23.67	81.70	24.11	81.70	24.58	81.70	25.29
	-7	-7.6	84.90	22.56	84.90	23.42	84.90	24.11	84.90	24.58	84.90	24.86	84.90	25.74
	-5	-5.6	88.90	23.20	88.90	23.89	88.90	24.82	88.90	25.05	88.90	25.54	88.90	26.20
	-3	-3.7	92.80	23.89	92.80	24.58	92.80	25.29	92.80	25.51	92.80	26.00	92.80	26.67
	0	-0.7	99.20	24.58	99.20	25.29	99.20	25.98	99.20	26.20	99.20	26.67	99.20	27.36
	3	2.2	104.80	25.29	104.80	25.98	104.80	26.67	104.80	26.91	104.80	27.14	104.80	27.83
	5	4.1	109.10	25.74	109.10	26.20	109.10	26.91	109.10	27.14	109.10	27.60	109.10	28.07
	8.3	6.1	113.00	25.98	113.00	26.67	113.00	27.36	113.00	27.60	113.00	27.83	113.00	28.54
	9	7.9	116.80	26.45	116.80	26.91	116.80	27.60	116.80	27.83	116.80	28.07	116.80	28.76
	11	9.8	120.90	26.67	120.90	27.36	120.90	27.83	120.90	28.07	120.90	28.29	118.10	27.83
	13	11.8	125.18	27.14	125.18	27.60	125.18	28.07	125.18	28.29	125.18	28.76	118.10	26.91
110	15	13.7	128.90	27.36	128.90	27.83	128.90	28.29	128.90	28.54	127.50	28.07	118.10	25.74
	19	14.2	128.90	27.60	128.90	28.07	128.90	28.33	128.90	28.26	127.50	27.60	118.10	25.12
	21	15	128.90	27.89	128.90	28.29	128.90	28.50	128.90	28.04	127.50	26.74	118.10	24.68
	-14.7	-15	69.30	20.74	69.30	21.65	69.30	22.49	69.30	22.96	69.30	23.42	69.30	24.36
	-12.6	-13	73.40	21.69	73.40	22.52	73.40	23.42	73.40	23.89	73.40	24.11	73.40	25.05
	-10.5	-11	77.60	22.49	77.60	23.20	77.60	24.11	77.60	24.58	77.60	24.82	77.60	25.74
	-9.5	-10	79.90	22.88	79.90	23.67	79.90	24.36	79.90	24.86	79.90	25.29	79.90	25.98
	-8.5	-9.1	81.70	23.20	81.70	23.89	81.70	24.82	81.70	25.08	81.70	25.51	81.70	26.20
	-7	-7.6	84.90	23.67	84.90	24.36	84.90	25.05	84.90	25.54	84.90	25.98	84.90	26.67
	-5	-5.6	88.90	24.36	88.90	25.05	88.90	25.74	88.90	26.00	88.90	26.45	88.90	27.14
	-3	-3.7	92.80	24.82	92.80	25.51	92.80	26.20	92.80	26.46	92.80	26.91	92.80	27.36
	0	-0.7	99.20	25.51	99.00	26.20	99.00	26.91	99.00	27.14	99.00	27.36	99.00	28.07
	3	2.2	104.80	26.20	104.80	26.91	104.80	27.36	104.80	27.60	104.80	28.07	104.80	28.54
	5	4.1	109.10	26.67	109.10	27.14	109.10	27.60	109.10	28.07	109.10	28.29	108.30	28.54
	8.3	6.1	113.00	26.91	113.00	27.36	113.00	28.07	113.00	28.29	113.00	28.54	108.30	27.36
	9	7.9	116.80	27.36	116.80	27.83	116.80	28.29	116.80	28.54	116.00	28.54	108.30	26.20
	11	9.8	120.90	27.60	120.90	28.07	120.90	28.54	120.20	28.54	116.00	27.36	108.30	25.29
	13	11.8	125.18	27.83	125.18	28.29	124.40	28.29	120.20	27.36	116.00	26.20	108.30	24.36
	15	13.7	129.00	28.07	129.00	28.54	124.40	27.36	120.20	26.45	116.00	25.29	108.30	23.42
	19	14.2	129.00	26.23	129.00	28.26	124.40	26.48	120.20	25.37	116.00	24.43	108.30	22.66
	21	15	129.00	26.45	129.00	27.45	124.40	25.07	120.20	24.61	116.00	23.75	108.30	22.33

To be continued

Continued

YCV1010HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	69.30	22.16	69.30	22.99	69.30	23.89	69.30	24.11	69.30	24.58	69.30	25.51
	-12.6	-13	73.40	23.03	73.40	23.89	73.40	24.58	73.40	24.82	73.40	25.29	73.40	25.98
	-10.5	-11	77.60	23.89	77.60	24.58	77.60	25.29	77.60	25.51	77.60	25.98	77.60	26.67
	-9.5	-10	79.90	24.11	79.90	24.82	79.90	25.51	79.90	25.98	79.90	26.20	79.90	26.91
	-8.5	-9.1	81.70	24.36	81.70	25.05	81.70	25.74	81.70	26.20	81.70	26.45	81.70	27.14
	-7	-7.6	84.90	24.82	84.90	25.51	84.90	26.20	84.90	26.45	84.90	26.91	84.90	27.60
	-5	-5.6	88.90	25.51	88.90	25.98	88.90	26.67	88.90	26.91	88.90	27.36	88.90	27.83
	-3	-3.7	92.80	25.98	92.80	26.45	92.80	27.14	92.80	27.36	92.80	27.60	92.80	28.29
	0	-0.7	99.00	26.67	99.00	27.14	99.00	27.60	99.00	28.07	99.00	28.29	98.40	28.76
	3	2.2	104.80	27.14	104.80	27.60	104.80	28.29	104.80	28.54	104.80	28.76	98.60	26.91
	5	4.1	109.10	27.36	109.10	28.07	109.10	28.54	109.10	28.76	107.10	27.83	98.60	25.74
	8.3	6.1	113.00	27.83	113.00	28.29	113.00	29.44	109.40	27.60	105.80	26.67	98.60	24.58
	9	7.9	116.80	28.07	116.80	28.54	113.00	27.60	109.40	26.67	105.80	25.51	98.60	23.67
	11	9.8	120.90	28.29	120.20	28.54	113.00	26.45	109.40	25.51	105.80	24.58	98.60	22.76
	13	11.8	125.18	28.54	120.20	27.36	113.00	25.51	109.40	24.58	105.80	23.67	98.60	21.90
	15	13.7	127.40	28.07	120.20	26.45	113.00	24.58	109.40	23.67	105.80	22.81	98.60	21.14
90	19	14.2	127.40	27.32	120.20	25.54	113.00	23.97	109.40	22.67	105.80	21.94	98.60	20.57
	21	15	127.40	26.45	120.20	24.43	113.00	23.06	109.40	22.33	105.80	21.29	98.60	20.10
	-14.7	-15	69.30	23.67	69.30	24.36	69.30	25.05	69.30	25.51	69.30	25.74	69.30	26.45
	-12.6	-13	73.40	24.36	73.40	25.05	73.40	25.74	73.40	25.98	73.40	26.45	73.40	27.14
	-10.5	-11	77.60	25.05	77.60	25.74	77.60	26.45	77.60	26.67	77.60	26.91	77.60	27.60
	-9.5	-10	79.90	25.29	79.90	25.98	79.90	26.67	79.90	26.91	79.90	27.14	79.90	27.83
	-8.5	-9.1	81.70	25.51	81.70	26.20	81.70	26.91	81.70	27.14	81.70	27.36	81.70	28.07
	-7	-7.6	84.90	25.98	84.90	26.67	84.90	27.14	84.90	27.60	84.90	27.83	84.70	28.29
	-5	-5.6	88.90	26.45	88.90	27.14	88.90	27.60	88.90	27.83	88.90	28.29	87.70	28.76
	-3	-3.7	92.80	26.91	92.80	27.60	92.80	28.07	92.80	28.29	92.80	28.54	88.40	27.60
	0	-0.7	99.00	27.60	99.00	28.07	99.00	28.54	98.00	28.76	95.10	27.60	88.40	25.51
	3	2.2	104.80	28.07	104.80	28.54	101.60	27.83	98.10	26.91	95.10	25.74	88.40	23.89
	5	4.1	109.10	28.29	108.40	28.54	101.60	26.67	98.10	25.74	95.10	24.58	88.40	22.81
	8.3	6.1	113.00	28.54	108.40	27.36	101.60	25.51	98.10	24.58	95.10	23.67	88.40	21.91
	9	7.9	114.80	28.07	108.40	26.20	101.60	24.58	98.10	23.67	95.10	22.77	88.40	21.08
80	11	9.8	114.80	26.91	108.40	25.29	101.60	23.67	98.10	22.73	95.10	21.91	88.40	20.32
	13	11.8	114.80	25.98	108.40	24.36	101.60	22.66	98.10	21.87	95.10	21.11	88.40	19.57
	15	13.7	114.80	25.05	108.40	23.42	101.60	21.87	98.10	21.14	95.10	20.39	88.40	18.91
	19	14.2	114.80	24.43	108.40	22.77	101.60	21.18	98.10	20.50	95.10	19.66	88.40	18.22
	21	15	114.80	23.53	108.40	21.91	101.60	20.79	98.10	19.82	95.10	18.95	88.40	17.47
	-14.7	-15	69.30	25.05	69.30	25.74	69.30	26.45	69.30	26.67	69.30	26.91	69.30	27.60
	-12.6	-13	73.40	25.74	73.40	26.20	73.40	26.91	73.40	27.14	73.40	27.60	73.40	28.07
	-10.5	-11	77.60	26.20	77.60	26.91	77.60	27.36	77.60	27.83	77.60	28.07	77.20	28.54
	-9.5	-10	79.90	26.67	79.90	27.14	79.90	27.60	79.90	28.07	79.90	28.29	78.30	28.76
	-8.5	-9.1	81.70	26.91	81.70	27.36	81.70	27.83	81.70	28.29	81.70	28.54	78.80	28.29
	-7	-7.6	84.90	27.14	84.90	27.60	84.70	28.29	84.70	28.54	83.70	28.76	78.80	26.91
	-5	-5.6	88.90	27.60	88.90	28.07	88.90	28.54	87.20	28.76	84.60	27.60	78.80	25.51
	-3	-3.7	92.80	28.07	92.80	28.54	90.40	28.29	87.20	27.14	84.60	26.20	78.80	24.11
	0	-0.7	99.00	28.54	96.10	28.07	90.40	26.20	87.20	25.29	84.60	24.11	78.80	22.41
	3	2.2	101.70	27.83	96.10	26.20	90.40	24.36	87.20	23.42	84.60	22.63	78.80	20.97
	5	4.1	101.70	26.67	96.10	25.05	90.40	23.42	87.20	22.49	84.60	21.69	78.80	20.10
	8.3	6.1	101.70	25.51	96.10	23.89	90.40	22.38	87.20	21.62	84.60	20.85	78.80	19.34
	9	7.9	101.70	24.58	96.10	23.03	90.40	21.51	87.20	20.78	84.60	20.06	78.80	18.62
	11	9.8	101.70	23.67	96.10	22.16	90.40	20.74	87.20	20.03	84.60	19.34	78.80	17.94
	13	11.8	101.70	22.76	96.10	21.33	90.40	19.96	87.20	19.30	84.60	18.62	78.80	17.32
	15	13.7	101.70	21.97	96.10	20.42	90.40	19.30	87.20	18.65	84.60	18.01	78.80	16.77
	19	14.2	101.70	21.21	96.10	20.06	90.40	18.52	87.20	17.96	84.60	17.25	78.80	16.35
	21	15	101.70	20.60	96.10	19.19	90.40	18.04	87.20	17.39	84.60	16.67	78.80	15.48

To be continued

Continued

YCV1010HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	69.30	26.45	69.30	27.14	69.30	27.60	69.30	27.83	69.30	28.07	67.70	28.76
	-12.6	-13	73.40	27.14	73.40	27.60	73.40	28.07	73.40	28.29	72.40	28.76	68.90	27.60
	-10.5	-11	77.60	27.60	77.60	28.07	77.40	28.54	75.80	28.76	73.90	27.83	68.90	25.74
	-9.5	-10	79.90	27.83	79.90	28.29	78.50	28.76	76.40	28.07	73.90	26.91	68.90	24.82
	-8.5	-9.1	81.70	28.07	81.70	28.54	79.20	28.29	76.40	27.36	73.90	26.20	68.90	24.36
	-7	-7.6	84.70	28.29	83.50	28.76	79.20	27.14	76.40	25.98	73.90	25.05	68.90	23.20
	-5	-5.6	88.30	28.76	84.20	27.36	79.20	25.51	76.40	24.58	73.90	23.67	68.90	21.97
	-3	-3.7	89.20	27.83	84.20	25.98	79.20	24.36	76.40	23.42	73.90	22.56	68.90	20.90
	0	-0.7	89.20	25.74	84.20	24.11	79.20	22.52	76.40	21.73	73.90	20.94	68.90	19.44
	3	2.2	89.20	24.11	84.20	22.52	79.20	21.04	76.40	20.32	73.90	19.63	68.90	18.22
	5	4.1	89.20	23.02	84.20	21.59	79.20	20.21	76.40	19.51	73.90	18.84	68.90	17.51
	8.3	6.1	89.20	22.08	84.20	20.74	79.20	19.41	76.40	18.76	73.90	18.11	68.90	16.86
	9	7.9	89.20	21.25	84.20	19.95	79.20	18.69	76.40	18.07	73.90	17.47	68.90	16.27
	11	9.8	89.20	20.46	84.20	19.23	79.20	18.04	76.40	17.43	73.90	16.71	68.90	15.70
	13	11.8	89.20	19.71	84.20	18.54	79.20	17.39	76.40	16.85	73.90	16.27	68.90	15.16
60	15	13.7	89.20	19.05	84.20	17.93	79.20	16.85	76.40	16.28	73.90	15.74	68.90	14.69
	19	14.2	89.20	18.08	84.20	17.43	79.20	16.38	76.40	15.52	73.90	14.86	68.90	14.10
	21	15	89.20	17.43	84.20	16.57	79.20	15.63	76.40	14.80	73.90	14.11	68.90	13.32
	-14.7	-15	69.30	27.83	69.30	28.29	67.10	28.76	65.60	27.83	63.50	26.91	59.10	24.82
	-12.6	-13	73.40	28.29	71.40	28.76	67.80	26.91	65.60	25.98	63.50	25.05	59.10	23.14
	-10.5	-11	75.80	28.76	72.00	27.14	67.80	25.29	65.60	24.36	63.50	23.42	59.10	21.72
	-9.5	-10	76.40	28.07	72.00	26.20	67.80	24.58	65.60	23.67	63.50	22.76	59.10	21.07
	-8.5	-9.1	76.40	27.36	72.00	25.51	67.80	23.89	65.60	22.99	63.50	22.15	59.10	20.53
	-7	-7.6	76.40	25.98	72.00	24.36	67.80	22.80	65.60	21.98	63.50	21.22	59.10	19.67
	-5	-5.6	76.40	24.58	72.00	23.09	67.80	21.58	65.60	20.82	63.50	20.09	59.10	18.65
	-3	-3.7	76.40	23.42	72.00	21.94	67.80	20.53	65.60	19.84	63.50	19.13	59.10	17.79
	0	-0.7	76.40	21.72	72.00	20.39	67.80	19.09	65.60	18.47	63.50	17.83	59.10	16.59
	3	2.2	76.40	20.32	72.00	19.09	67.80	17.90	65.60	17.32	63.50	16.74	59.10	15.62
	5	4.1	76.40	19.51	72.00	18.34	67.80	17.21	65.60	16.64	63.50	16.10	59.10	15.01
	8.3	6.1	76.40	18.73	72.00	17.65	67.80	16.59	65.60	16.05	63.50	15.52	59.10	14.47
50	9	7.9	76.40	18.07	72.00	17.03	67.80	15.98	65.60	15.49	63.50	14.98	59.10	13.99
	11	9.8	76.40	17.43	72.00	16.42	67.80	15.45	65.60	14.97	63.50	14.47	59.10	13.54
	13	11.8	76.40	16.82	72.00	15.87	67.80	14.91	65.60	14.44	63.50	14.00	59.10	13.10
	15	13.7	76.40	16.28	72.00	15.34	67.80	14.44	65.60	14.00	63.50	13.57	59.10	12.71
	19	14.2	76.40	15.81	72.00	14.61	67.80	14.01	65.60	13.57	63.50	13.06	59.10	12.16
	21	15	76.40	15.16	72.00	14.19	67.80	13.42	65.60	13.13	63.50	12.63	59.10	11.69
	-14.7	-15	63.80	26.91	60.10	25.29	56.60	23.67	54.60	22.77	52.80	21.94	49.10	20.35
	-12.6	-13	63.80	25.29	60.10	23.67	56.60	22.04	54.60	21.29	52.80	20.53	49.10	19.05
	-10.5	-11	63.80	23.67	60.10	22.12	56.60	20.68	54.60	19.99	52.80	19.30	49.10	17.93
	-9.5	-10	63.80	22.87	60.10	21.46	56.60	20.09	54.60	19.41	52.80	18.73	49.10	17.42
	-8.5	-9.1	63.80	22.27	60.10	20.90	56.60	19.57	54.60	18.91	52.80	18.26	49.10	16.97
	-7	-7.6	63.80	21.33	60.10	20.03	56.60	18.76	54.60	18.14	52.80	17.54	49.10	16.32
	-5	-5.6	63.80	20.21	60.10	18.99	56.60	17.82	54.60	17.24	52.80	16.64	49.10	15.52
	-3	-3.7	63.80	19.24	60.10	18.11	56.60	17.00	54.60	16.45	52.80	15.91	49.10	14.84
	0	-0.7	63.80	17.93	60.10	16.89	56.60	15.87	54.60	15.37	52.80	14.87	49.10	13.89
	3	2.2	63.80	16.82	60.10	15.87	56.60	14.94	54.60	14.47	52.80	14.00	49.10	13.10
	5	4.1	63.80	16.20	60.10	15.29	56.60	14.39	54.60	13.93	52.80	13.43	49.10	12.63
	8.3	6.1	63.80	15.59	60.10	14.73	56.60	13.86	54.60	13.46	52.80	13.03	49.10	12.23
	9	7.9	63.80	15.05	60.10	14.22	56.60	13.42	54.60	13.02	52.80	12.62	49.10	11.83
	11	9.8	63.80	14.54	60.10	13.75	56.60	12.99	54.60	12.59	52.80	12.23	49.10	11.47
	13	11.8	63.80	14.08	60.10	13.31	56.60	12.56	54.60	12.20	52.80	11.83	49.10	11.11
	15	13.7	63.80	13.64	60.10	12.92	56.60	12.20	54.60	11.84	52.80	11.48	49.10	10.82
	19	14.2	63.80	13.21	60.10	12.41	56.60	11.77	54.60	11.33	52.80	11.08	49.10	10.33
	21	15	63.80	12.34	60.10	12.06	56.60	11.47	54.60	10.85	52.80	10.65	49.10	9.92
TC: total capacity, kW														
Pl: power input, kW (compressor+outdoor motor)														

Capacity table

YCV1080HR Heating Capacity														
Capacity Factor (%)	Outdoor Temp.		Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	73.70	18.87	73.70	19.99	73.70	21.10	73.60	21.65	73.60	22.22	73.60	23.34
	-12.6	-13	77.90	20.03	77.90	21.10	77.90	22.14	77.90	22.66	77.90	23.20	77.90	24.22
	-10.5	-11	82.60	21.07	82.60	22.07	82.60	23.04	82.60	23.54	82.60	24.06	82.60	24.97
	-9.5	-10	85.20	21.56	85.20	22.50	85.20	23.46	85.20	23.95	85.20	24.45	85.20	25.44
	-8.5	-9.1	87.10	21.96	87.10	22.90	87.10	23.83	87.10	24.29	87.10	24.71	87.10	25.70
	-7	-7.6	90.60	22.58	90.60	23.49	90.60	24.40	90.60	24.97	90.60	25.20	90.60	26.19
	-5	-5.6	95.20	23.34	95.20	24.20	95.20	24.97	95.20	25.44	95.20	25.93	95.20	26.68
	-3	-3.7	99.40	24.03	99.40	24.71	99.40	25.70	99.40	26.19	99.40	26.42	99.40	27.41
	0	-0.7	106.30	24.97	106.30	25.70	106.30	26.42	106.30	26.92	106.30	27.15	106.30	27.90
	3	2.2	112.70	25.70	112.70	26.42	112.70	27.15	112.70	27.41	112.70	27.90	112.70	28.63
	5	4.1	117.10	26.19	117.10	26.92	117.10	27.64	117.10	27.90	117.10	28.40	117.10	28.86
	8.3	6.1	121.50	26.68	121.50	27.41	121.50	27.90	121.50	28.40	121.50	28.63	121.50	29.36
	9	7.9	125.80	26.92	125.70	27.64	125.70	28.40	125.70	28.63	125.70	28.86	125.70	29.62
	11	9.8	130.00	27.41	130.00	27.90	130.00	28.63	130.00	28.86	130.00	29.36	130.00	29.85
	13	11.8	132.70	27.64	132.70	28.40	132.70	28.86	132.70	29.36	132.70	29.62	132.70	30.11
	15	13.7	138.90	28.14	138.90	28.63	138.90	29.12	138.90	29.62	138.90	29.85	137.70	29.85
	19	14.2	138.90	28.40	138.90	28.94	138.90	29.38	138.90	29.87	138.90	30.13	137.70	29.26
	21	15	138.90	28.60	138.90	29.22	138.90	29.66	138.90	30.03	138.90	29.65	137.70	28.97
120	-14.7	-15	73.70	20.37	73.60	21.41	73.60	22.43	73.60	22.95	73.60	23.46	73.60	24.48
	-12.6	-13	77.90	21.47	77.90	22.43	77.90	23.38	77.90	23.88	77.90	24.37	77.90	25.44
	-10.5	-11	82.60	22.43	82.60	23.32	82.60	24.22	82.60	24.71	82.60	25.20	82.60	26.19
	-9.5	-10	85.20	22.86	85.20	23.72	85.20	24.71	85.20	24.97	85.20	25.44	85.20	26.42
	-8.5	-9.1	87.10	23.23	87.10	24.08	87.10	24.97	87.10	25.44	87.10	25.93	87.10	26.68
	-7	-7.6	90.60	23.80	90.60	24.71	90.60	25.44	90.60	25.93	90.60	26.21	90.60	27.15
	-5	-5.6	95.20	24.48	95.20	25.20	95.20	26.19	95.20	26.42	95.20	26.97	95.20	27.64
	-3	-3.7	99.40	25.20	99.40	25.93	99.40	26.68	99.40	26.92	99.40	27.49	99.40	28.14
	0	-0.7	106.30	25.93	106.30	26.68	106.30	27.41	106.30	27.64	106.30	28.14	106.30	28.86
	3	2.2	112.70	26.68	112.70	27.41	112.70	28.14	112.70	28.40	112.70	28.63	112.70	29.36
	5	4.1	117.10	27.15	117.10	27.64	117.10	28.40	117.10	28.63	117.10	29.12	117.10	29.62
	8.3	6.1	121.50	27.41	121.50	28.14	121.50	28.86	121.50	29.12	121.50	29.36	121.50	30.11
	9	7.9	125.70	27.90	125.70	28.40	125.70	29.12	125.70	29.36	125.70	29.62	125.70	30.34
	11	9.8	130.00	28.14	130.00	28.86	130.00	29.36	130.00	29.62	130.00	29.85	127.10	29.36
	13	11.8	132.70	28.63	132.70	29.12	132.70	29.62	132.70	29.85	132.70	30.34	127.10	28.40
	15	13.7	138.90	28.86	138.90	29.36	138.90	29.85	138.90	30.11	136.70	29.62	127.10	27.15
	19	14.2	138.90	29.10	138.90	29.62	138.90	29.88	138.90	29.82	136.70	29.10	127.10	26.50
	21	15	138.90	29.41	138.90	29.85	138.90	30.06	138.90	29.59	136.70	28.21	127.10	26.04
110	-14.7	-15	73.60	21.88	73.60	22.84	73.60	23.72	73.60	24.22	73.60	24.71	73.60	25.70
	-12.6	-13	77.90	22.87	77.90	23.75	77.90	24.71	77.90	25.20	77.90	25.44	77.90	26.42
	-10.5	-11	82.60	23.72	82.60	24.48	82.60	25.44	82.60	25.93	82.60	26.19	82.60	27.15
	-9.5	-10	85.20	24.14	85.20	24.97	85.20	25.70	85.20	26.21	85.20	26.68	85.20	27.41
	-8.5	-9.1	87.10	24.48	87.10	25.20	87.10	26.19	87.10	26.46	87.10	26.92	87.10	27.64
	-7	-7.6	90.60	24.97	90.60	25.70	90.60	26.42	90.60	26.97	90.60	27.41	90.60	28.14
	-5	-5.6	95.20	25.70	95.20	26.42	95.20	27.15	95.20	27.49	95.20	27.90	95.20	28.63
	-3	-3.7	99.40	26.19	99.40	26.92	99.40	27.64	99.40	27.81	99.40	28.40	99.40	28.86
	0	-0.7	106.30	26.92	106.20	27.64	106.20	28.40	106.20	28.57	106.20	28.86	106.20	29.62
	3	2.2	112.70	27.64	112.70	28.40	112.70	28.86	112.70	29.12	112.70	29.62	112.70	30.11
	5	4.1	117.10	28.14	117.10	28.63	117.10	29.12	117.10	29.62	117.10	29.85	116.60	30.11
	8.3	6.1	121.50	28.40	121.50	28.86	121.50	29.62	121.50	29.85	121.50	30.11	116.60	28.86
	9	7.9	125.70	28.86	125.70	29.36	125.70	29.85	125.70	30.11	124.90	30.11	116.60	27.64
	11	9.8	130.00	29.12	130.00	29.62	130.00	30.11	129.30	30.11	124.90	28.86	116.60	26.68
	13	11.8	132.70	29.36	132.70	29.85	133.90	29.85	129.30	28.86	124.90	27.64	116.60	25.70
	15	13.7	138.90	29.62	138.90	30.11	133.90	28.86	129.30	27.90	124.90	26.68	116.60	24.71
	19	14.2	138.90	27.67	138.90	29.82	133.90	27.93	129.30	26.76	124.90	25.77	116.60	23.91
	21	15	138.90	27.90	138.90	28.97	133.90	26.45	129.30	25.96	124.90	25.05	116.60	23.57

To be continued

Continued

YCV1080HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	73.60	23.38	73.60	24.24	73.60	25.20	73.60	25.44	73.60	25.93	73.60	26.92
	-12.6	-13	77.90	24.29	77.90	25.20	77.90	25.93	77.90	26.19	77.90	26.68	77.90	27.41
	-10.5	-11	82.60	25.20	82.60	25.93	82.60	26.68	82.60	26.92	82.60	27.41	82.60	28.14
	-9.5	-10	85.20	25.44	85.20	26.19	85.20	26.92	85.20	27.41	85.20	27.64	85.20	28.40
	-8.5	-9.1	87.10	25.70	87.10	26.42	87.10	27.15	87.10	27.74	87.10	27.90	87.10	28.63
	-7	-7.6	90.60	26.19	90.60	26.92	90.60	27.64	90.60	27.81	90.60	28.40	90.60	29.12
	-5	-5.6	95.20	26.92	95.20	27.41	95.20	28.14	95.20	28.32	95.20	28.86	95.20	29.36
	-3	-3.7	99.40	27.41	99.40	27.90	99.40	28.63	99.40	28.82	99.40	29.12	99.40	29.85
	0	-0.7	106.20	28.14	106.20	28.63	106.20	29.12	106.20	29.60	106.20	29.85	106.10	30.34
	3	2.2	112.70	28.63	112.70	29.12	112.70	29.85	112.70	30.11	112.70	30.34	106.10	28.40
	5	4.1	117.10	28.86	117.10	29.62	117.10	30.11	117.10	30.34	113.70	29.36	106.10	27.15
	8.3	6.1	121.50	29.36	121.50	29.85	121.50	30.17	117.70	29.12	113.70	28.14	106.10	25.93
	9	7.9	125.70	29.62	125.70	30.11	121.50	29.12	117.70	28.14	113.70	26.92	106.10	24.97
	11	9.8	130.00	29.85	129.30	30.11	121.50	27.90	117.70	26.92	113.70	25.93	106.10	24.01
	13	11.8	132.70	30.11	129.30	28.86	121.50	26.92	117.70	25.93	113.70	24.97	106.10	23.10
90	15	13.7	136.90	29.62	129.30	27.90	121.50	25.93	117.70	24.97	113.70	24.08	106.10	22.30
	19	14.2	136.90	28.83	129.30	26.95	121.50	25.28	117.70	23.93	113.70	23.15	106.10	21.70
	21	15	136.90	27.90	129.30	25.77	121.50	24.34	117.70	23.57	113.70	22.45	106.10	21.21
	-14.7	-15	73.60	24.97	73.60	25.70	73.60	26.42	73.60	26.92	73.60	27.15	73.60	27.90
	-12.6	-13	77.90	25.70	77.90	26.42	77.90	27.15	77.90	27.41	77.90	27.90	77.90	28.63
	-10.5	-11	82.60	26.42	82.60	27.15	82.60	27.90	82.60	28.14	82.60	28.40	82.60	29.12
	-9.5	-10	85.20	26.68	85.20	27.41	85.20	28.14	85.20	28.40	85.20	28.63	85.20	29.36
	-8.5	-9.1	87.10	26.92	87.10	27.64	87.10	28.40	87.10	28.63	87.10	28.86	87.10	29.62
	-7	-7.6	90.60	27.41	90.60	28.14	90.60	28.63	90.60	29.12	90.60	29.36	90.50	29.85
	-5	-5.6	95.20	27.90	95.20	28.63	95.20	29.12	95.20	29.36	95.20	29.85	94.60	30.34
	-3	-3.7	99.40	28.40	99.40	29.12	99.40	29.62	99.40	29.85	99.40	30.11	95.00	29.12
	0	-0.7	106.20	29.12	106.20	29.62	106.20	30.11	105.50	30.34	102.10	29.12	95.00	26.92
	3	2.2	112.70	29.62	112.70	30.11	109.50	29.36	105.50	28.40	102.10	27.15	95.00	25.20
	5	4.1	117.10	29.85	116.70	30.11	109.50	28.14	105.50	27.15	102.10	25.93	95.00	24.08
	8.3	6.1	121.50	30.11	116.70	28.86	109.50	26.92	105.50	25.93	102.10	24.97	95.00	23.12
80	9	7.9	123.60	29.62	116.70	27.64	109.50	25.93	105.50	24.97	102.10	24.03	95.00	22.24
	11	9.8	123.60	28.40	116.70	26.68	109.50	24.97	105.50	23.98	102.10	23.12	95.00	21.44
	13	11.8	123.60	27.41	116.70	25.70	109.50	23.91	105.50	23.07	102.10	22.27	95.00	20.65
	15	13.7	123.60	26.42	116.70	24.71	109.50	23.07	105.50	22.30	102.10	21.52	95.00	19.94
	19	14.2	123.60	25.77	116.70	24.01	109.50	22.35	105.50	21.62	102.10	20.74	95.00	19.23
	21	15	123.60	24.84	116.70	23.12	109.50	21.93	105.50	20.92	102.10	20.01	95.00	18.45
	-14.7	-15	73.60	26.42	73.60	27.15	73.60	27.90	73.60	28.14	73.60	28.40	73.60	29.12
	-12.6	-13	77.90	27.15	77.90	27.64	77.90	28.40	77.90	28.63	77.90	29.12	77.90	29.62
	-10.5	-11	82.60	27.64	82.60	28.40	82.60	28.86	82.60	29.36	82.60	29.62	82.40	30.11
	-9.5	-10	85.20	28.14	85.20	28.63	85.20	29.12	85.20	29.62	85.20	29.85	84.40	30.34
	-8.5	-9.1	87.10	28.40	87.10	28.86	87.10	29.36	87.10	29.85	87.10	30.11	84.60	29.85
	-7	-7.6	90.60	28.63	90.60	29.12	90.50	29.85	90.50	30.11	90.00	30.34	84.60	28.40
	-5	-5.6	95.20	29.12	95.20	29.62	95.20	30.11	93.90	30.34	91.00	29.12	84.60	26.92
	-3	-3.7	99.40	29.62	99.40	30.11	97.20	29.85	93.90	28.63	91.00	27.64	84.60	25.44
	0	-0.7	106.20	30.11	103.40	29.62	97.20	27.64	93.90	26.68	91.00	25.44	84.60	23.64
	3	2.2	109.70	29.36	103.40	27.64	97.20	25.70	93.90	24.71	91.00	23.88	84.60	22.12
	5	4.1	109.70	28.14	103.40	26.42	97.20	24.71	93.90	23.72	91.00	22.87	84.60	21.21
	8.3	6.1	109.70	26.92	103.40	25.20	97.20	23.62	93.90	22.81	91.00	22.01	84.60	20.40
	9	7.9	109.70	25.93	103.40	24.29	97.20	22.71	93.90	21.93	91.00	21.16	84.60	19.65
	11	9.8	109.70	24.97	103.40	23.38	97.20	21.88	93.90	21.15	91.00	20.40	84.60	18.94
	13	11.8	109.70	24.01	103.40	22.50	97.20	21.07	93.90	20.35	91.00	19.65	84.60	18.27
	15	13.7	109.70	23.18	103.40	21.54	97.20	20.35	93.90	19.68	91.00	19.02	84.60	17.70
	19	14.2	109.70	22.38	103.40	21.16	97.20	19.54	93.90	18.95	91.00	18.20	84.60	17.26
	21	15	109.70	21.75	103.40	20.25	97.20	19.03	93.90	18.33	91.00	17.58	84.60	16.35

Capacity table

To be continued

Continued

YCV1080HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	73.60	27.90	73.60	28.63	73.60	29.12	73.60	29.36	73.60	29.62	72.80	30.34
	-12.6	-13	77.90	28.63	77.90	29.12	77.90	29.62	77.90	29.85	77.40	30.34	74.00	29.12
	-10.5	-11	82.60	29.12	82.60	29.62	82.50	30.11	81.70	30.34	79.60	29.36	74.00	27.15
	-9.5	-10	85.20	29.36	85.20	29.85	84.50	30.34	82.30	29.62	79.60	28.40	74.00	26.19
	-8.5	-9.1	87.10	29.62	87.10	30.11	85.30	29.85	82.30	28.86	79.60	27.64	74.00	25.70
	-7	-7.6	90.50	29.85	89.90	30.34	85.30	28.63	82.30	27.41	79.60	26.42	74.00	24.48
	-5	-5.6	94.90	30.34	90.50	28.86	85.30	26.92	82.30	25.93	79.60	24.97	74.00	23.18
	-3	-3.7	96.10	29.36	90.50	27.41	85.30	25.70	82.30	24.71	79.60	23.80	74.00	22.04
	0	-0.7	96.10	27.15	90.50	25.44	85.30	23.75	82.30	22.92	79.60	22.09	74.00	20.51
	3	2.2	96.10	25.44	90.50	23.75	85.30	22.19	82.30	21.44	79.60	20.71	74.00	19.21
	5	4.1	96.10	24.27	90.50	22.78	85.30	21.31	82.30	20.59	79.60	19.88	74.00	18.48
	8.3	6.1	96.10	23.29	90.50	21.88	85.30	20.48	82.30	19.80	79.60	19.11	74.00	17.78
	9	7.9	96.10	22.43	90.50	21.05	85.30	19.72	82.30	19.06	79.60	18.43	74.00	17.16
	11	9.8	96.10	21.57	90.50	20.30	85.30	19.03	82.30	18.40	79.60	17.64	74.00	16.56
	13	11.8	96.10	20.79	90.50	19.55	85.30	18.35	82.30	17.76	79.60	17.16	74.00	16.01
60	15	13.7	96.10	20.09	90.50	18.92	85.30	17.76	82.30	17.18	79.60	16.61	74.00	15.51
	19	14.2	96.10	19.08	90.50	18.40	85.30	17.27	82.30	16.38	79.60	15.68	74.00	14.88
	21	15	96.10	18.40	90.50	17.49	85.30	16.48	82.30	15.62	79.60	14.90	74.00	14.06
	-14.7	-15	73.60	29.36	73.60	29.85	72.50	30.34	70.50	29.36	68.30	28.40	63.50	26.19
	-12.6	-13	77.90	29.85	76.90	30.34	72.90	28.40	70.50	27.41	68.30	26.42	63.50	24.42
	-10.5	-11	81.70	30.34	77.50	28.63	72.90	26.68	70.50	25.70	68.30	24.71	63.50	22.90
	-9.5	-10	82.30	29.62	77.50	27.64	72.90	25.93	70.50	24.97	68.30	24.01	63.50	22.22
	-8.5	-9.1	82.30	28.86	77.50	26.92	72.90	25.20	70.50	24.24	68.30	23.36	63.50	21.65
	-7	-7.6	82.30	27.41	77.50	25.70	72.90	24.06	70.50	23.20	68.30	22.40	63.50	20.74
	-5	-5.6	82.30	25.93	77.50	24.35	72.90	22.76	70.50	21.98	68.30	21.19	63.50	19.68
	-3	-3.7	82.30	24.71	77.50	23.15	72.90	21.65	70.50	20.93	68.30	20.19	63.50	18.77
	0	-0.7	82.30	22.90	77.50	21.52	72.90	20.14	70.50	19.47	68.30	18.82	63.50	17.50
	3	2.2	82.30	21.44	77.50	20.14	72.90	18.89	70.50	18.27	68.30	17.67	63.50	16.46
	5	4.1	82.30	20.59	77.50	19.36	72.90	18.17	70.50	17.57	68.30	16.98	63.50	15.83
	8.3	6.1	82.30	19.77	77.50	18.61	72.90	17.50	70.50	16.93	68.30	16.38	63.50	15.26
50	9	7.9	82.30	19.06	77.50	17.96	72.90	16.87	70.50	16.35	68.30	15.81	63.50	14.75
	11	9.8	82.30	18.40	77.50	17.32	72.90	16.30	70.50	15.79	68.30	15.26	63.50	14.30
	13	11.8	82.30	17.73	77.50	16.74	72.90	15.73	70.50	15.23	68.30	14.77	63.50	13.83
	15	13.7	82.30	17.18	77.50	16.19	72.90	15.23	70.50	14.77	68.30	14.32	63.50	13.41
	19	14.2	82.30	16.69	77.50	15.42	72.90	14.77	70.50	14.32	68.30	13.78	63.50	12.82
	21	15	82.30	15.99	77.50	14.97	72.90	14.15	70.50	13.86	68.30	13.34	63.50	12.33
	-14.7	-15	68.40	28.40	64.60	26.68	60.80	24.97	58.60	24.03	56.70	23.15	52.90	21.47
	-12.6	-13	68.40	26.68	64.60	24.97	60.80	23.26	58.60	22.45	56.70	21.65	52.90	20.09
	-10.5	-11	68.40	24.97	64.60	23.34	60.80	21.83	58.60	21.10	56.70	20.35	52.90	18.92
	-9.5	-10	68.40	24.14	64.60	22.64	60.80	21.19	58.60	20.48	56.70	19.77	52.90	18.38
	-8.5	-9.1	68.40	23.49	64.60	22.04	60.80	20.65	58.60	19.94	56.70	19.26	52.90	17.91
	-7	-7.6	68.40	22.50	64.60	21.15	60.80	19.80	58.60	19.13	56.70	18.51	52.90	17.23
	-5	-5.6	68.40	21.31	64.60	20.03	60.80	18.80	58.60	18.18	56.70	17.57	52.90	16.38
	-3	-3.7	68.40	20.30	64.60	19.11	60.80	17.93	58.60	17.34	56.70	16.79	52.90	15.65
	0	-0.7	68.40	18.92	64.60	17.81	60.80	16.74	58.60	16.22	56.70	15.68	52.90	14.66
	3	2.2	68.40	17.73	64.60	16.74	60.80	15.76	58.60	15.26	56.70	14.77	52.90	13.83
	5	4.1	68.40	17.08	64.60	16.12	60.80	15.19	58.60	14.71	56.70	13.95	52.90	13.34
	8.3	6.1	68.40	16.45	64.60	15.54	60.80	14.63	58.60	14.20	56.70	13.75	52.90	12.90
	9	7.9	68.40	15.88	64.60	15.00	60.80	14.15	58.60	13.73	56.70	13.32	52.90	12.49
	11	9.8	68.40	15.34	64.60	14.51	60.80	13.70	58.60	13.29	56.70	12.90	52.90	12.10
	13	11.8	68.40	14.85	64.60	14.04	60.80	13.26	58.60	12.87	56.70	12.49	52.90	11.73
	15	13.7	68.40	14.38	64.60	13.63	60.80	12.87	58.60	12.50	56.70	12.12	52.90	11.40
	19	14.2	68.40	13.94	64.60	13.09	60.80	12.41	58.60	11.94	56.70	11.70	52.90	10.90
	21	15	68.40	13.03	64.60	12.72	60.80	12.10	58.60	11.45	56.70	11.24	52.90	10.46
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCV1130HR			Heating Capacity											
Capacity Factor (%)	Outdoor Temp.		Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°C DB	°C WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	76.20	19.89	76.20	21.07	76.20	22.23	76.10	22.82	76.10	23.42	76.10	24.59
	-12.6	-13	80.70	21.12	80.70	22.23	80.70	23.34	80.70	23.87	80.70	24.44	80.70	25.53
	-10.5	-11	85.60	22.20	85.60	23.26	85.60	24.29	85.60	24.81	85.60	25.35	85.60	26.32
	-9.5	-10	88.30	22.72	88.30	23.72	88.30	24.72	88.30	25.24	88.30	25.76	88.30	26.81
	-8.5	-9.1	90.30	23.14	90.30	24.14	90.30	25.11	90.30	25.61	90.30	26.04	90.30	27.08
	-7	-7.6	93.90	23.80	93.90	24.76	93.90	25.71	93.90	26.32	93.90	26.56	93.90	27.60
	-5	-5.6	98.70	24.59	98.70	25.50	98.70	26.32	98.70	26.81	98.70	27.33	98.70	28.12
	-3	-3.7	103.20	25.32	103.20	26.04	103.20	27.08	103.20	27.60	103.20	27.85	103.20	28.88
	0	-0.7	110.50	26.32	110.50	27.08	110.50	27.85	110.50	28.36	110.50	28.62	110.50	29.41
	3	2.2	117.20	27.08	117.20	27.85	117.20	28.62	117.20	28.88	117.20	29.41	117.20	30.17
	5	4.1	121.90	27.60	121.90	28.36	121.90	29.13	121.90	29.41	121.90	29.92	121.90	30.42
	8.3	6.1	126.50	28.12	126.50	28.88	126.50	29.41	126.50	29.92	126.50	30.17	126.50	30.94
	9	7.9	131.00	28.36	130.90	29.13	130.90	29.92	130.90	30.17	130.90	30.42	130.90	31.21
	11	9.8	135.50	28.88	135.50	29.41	135.50	30.17	135.50	30.42	135.50	30.94	135.50	31.45
	13	11.8	139.48	29.13	139.48	29.92	139.48	30.42	139.48	30.94	139.48	31.21	139.48	31.73
	15	13.7	144.90	29.65	144.80	30.17	144.80	30.69	144.80	31.21	144.80	31.45	143.30	31.45
120	19	14.2	144.90	29.93	144.80	30.49	144.80	30.97	144.80	31.47	144.80	31.75	143.30	30.83
	21	15	144.90	30.15	144.80	30.78	144.80	31.27	144.80	31.65	144.80	31.25	143.30	30.52
	-14.7	-15	76.20	21.47	76.10	22.56	76.10	23.64	76.10	24.19	76.10	24.72	76.10	25.79
	-12.6	-13	80.70	22.62	80.70	23.63	80.70	24.64	80.70	25.16	80.70	25.69	80.70	26.81
	-10.5	-11	85.60	23.63	85.60	24.57	85.60	25.53	85.60	26.04	85.60	26.56	85.60	27.60
	-9.5	-10	88.30	24.09	88.30	25.01	88.30	26.04	88.30	26.32	88.30	26.81	88.30	27.85
	-8.5	-9.1	90.30	24.47	90.30	25.37	90.30	26.32	90.30	26.81	90.30	27.33	90.30	28.12
	-7	-7.6	93.90	25.08	93.90	26.04	93.90	26.81	93.90	27.33	93.90	27.64	93.90	28.62
	-5	-5.6	98.70	25.79	98.70	26.56	98.70	27.60	98.70	27.85	98.70	28.42	98.70	29.13
	-3	-3.7	103.20	26.56	103.20	27.33	103.20	28.12	103.20	28.36	103.20	28.94	103.20	29.65
	0	-0.7	110.50	27.33	110.50	28.12	110.50	28.88	110.50	29.13	110.50	29.65	110.50	30.42
	3	2.2	117.20	28.12	117.20	28.88	117.20	29.65	117.20	29.92	117.20	30.17	117.20	30.94
	5	4.1	121.90	28.62	121.90	29.13	121.90	29.92	121.90	30.17	121.90	30.69	121.90	31.21
	8.3	6.1	126.50	28.88	126.50	29.65	126.50	30.42	126.50	30.69	126.50	30.94	126.50	31.73
	9	7.9	130.90	29.41	130.90	29.92	130.90	30.69	130.90	30.94	130.90	31.21	130.90	31.98
	11	9.8	135.50	29.65	135.50	30.42	135.50	30.94	135.50	31.21	135.50	31.45	132.30	30.94
110	13	11.8	139.48	30.17	139.48	30.69	139.48	31.21	139.48	31.45	139.48	31.98	132.30	29.92
	15	13.7	144.80	30.42	144.80	30.94	144.80	31.45	144.80	31.73	142.30	31.21	132.30	28.62
	19	14.2	144.80	30.68	144.80	31.21	144.80	31.49	144.80	31.42	142.30	30.68	132.30	27.93
	21	15	144.80	31.00	144.80	31.45	144.80	31.68	144.80	31.18	142.30	29.73	132.30	27.44
	-14.7	-15	76.10	23.06	76.10	24.07	76.10	25.01	76.10	25.53	76.10	26.04	76.10	27.08
	-12.6	-13	80.70	24.11	80.70	25.04	80.70	26.04	80.70	26.56	80.70	26.81	80.70	27.85
	-10.5	-11	85.60	25.01	85.60	25.79	85.60	26.81	85.60	27.33	85.60	27.60	85.60	28.62
	-9.5	-10	88.30	25.44	88.30	26.32	88.30	27.08	88.30	27.64	88.30	28.12	88.30	28.88
	-8.5	-9.1	90.30	25.79	90.30	26.56	90.30	27.60	90.30	27.90	90.30	28.36	90.30	29.13
	-7	-7.6	93.90	26.32	93.90	27.08	93.90	27.85	93.90	28.42	93.90	28.88	93.90	29.65
	-5	-5.6	98.70	27.08	98.70	27.85	98.70	28.62	98.70	28.94	98.70	29.41	98.70	30.17
	-3	-3.7	103.20	27.60	103.20	28.36	103.20	29.13	103.20	29.37	103.20	29.92	103.20	30.42
	0	-0.7	110.50	28.36	110.40	29.13	110.40	29.92	110.40	30.15	110.40	30.42	110.40	31.21
	3	2.2	117.20	29.13	117.20	29.92	117.20	30.42	117.20	30.69	117.20	31.21	117.20	31.73
	5	4.1	121.90	29.65	121.90	30.17	121.90	30.69	121.90	31.21	121.90	31.45	121.30	31.73
	8.3	6.1	126.50	29.92	126.50	30.42	126.50	31.21	126.50	31.45	126.50	31.73	121.30	30.42
	9	7.9	130.90	30.42	130.90	30.94	130.90	31.45	130.90	31.73	130.00	31.73	121.30	29.13
	11	9.8	135.50	30.69	135.50	31.21	135.50	31.73	134.60	31.73	130.00	30.42	121.30	28.12
	13	11.8	139.48	30.94	139.48	31.45	139.30	31.45	134.60	30.42	130.00	29.13	121.30	27.08
	15	13.7	144.90	31.21	144.90	31.73	139.30	30.42	134.60	29.41	130.00	28.12	121.30	26.04
	19	14.2	144.90	29.16	144.90	31.42	139.30	29.44	134.60	28.21	130.00	27.16	121.30	25.19
	21	15	144.90	29.41	144.90	30.52	139.30	27.87	134.60	27.36	130.00	26.40	121.30	24.83

To be continued

Continued

YCV1130HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
	°C DB	°C WB	16		18		20		21.1		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	76.10	24.64	76.10	25.56	76.10	26.56	76.10	26.81	76.10	27.33	76.10	28.36
	-12.6	-13	80.70	25.61	80.70	26.56	80.70	27.33	80.70	27.60	80.70	28.12	80.70	28.88
	-10.5	-11	85.60	26.56	85.60	27.33	85.60	28.12	85.60	28.36	85.60	28.88	85.60	29.65
	-9.5	-10	88.30	26.81	88.30	27.60	88.30	28.36	88.30	28.88	88.30	29.13	88.30	29.92
	-8.5	-9.1	90.30	27.08	90.30	27.85	90.30	28.62	90.30	29.18	90.30	29.41	90.30	30.17
	-7	-7.6	93.90	27.60	93.90	28.36	93.90	29.13	93.90	29.36	93.90	29.92	93.90	30.69
	-5	-5.6	98.70	28.36	98.70	28.88	98.70	29.65	98.70	29.88	98.70	30.42	98.70	30.94
	-3	-3.7	103.20	28.88	103.20	29.41	103.20	30.17	103.20	30.40	103.20	30.69	103.20	31.45
	0	-0.7	110.40	29.65	110.40	30.17	110.40	30.69	110.40	31.20	110.40	31.45	110.20	31.98
	3	2.2	117.20	30.17	117.20	30.69	117.20	31.45	117.20	31.73	117.20	31.98	110.40	29.92
	5	4.1	121.90	30.42	121.90	31.21	121.90	31.73	121.90	31.98	119.70	30.94	110.40	28.62
	8.3	6.1	126.50	30.94	126.50	31.45	126.50	32.57	122.50	30.69	118.40	29.65	110.40	27.33
	9	7.9	130.90	31.21	130.90	31.73	126.50	30.69	122.50	29.65	118.40	28.36	110.40	26.32
	11	9.8	135.50	31.45	134.60	31.73	126.50	29.41	122.50	28.36	118.40	27.33	110.40	25.30
	13	11.8	139.48	31.73	134.60	30.42	126.50	28.36	122.50	27.33	118.40	26.32	110.40	24.35
	15	13.7	142.60	31.21	134.60	29.41	126.50	27.33	122.50	26.32	118.40	25.37	110.40	23.50
90	19	14.2	142.60	30.38	134.60	28.39	126.50	26.65	122.50	25.21	118.40	24.40	110.40	22.87
	21	15	142.60	29.41	134.60	27.16	126.50	25.65	122.50	24.83	118.40	23.67	110.40	22.35
	-14.7	-15	76.10	26.32	76.10	27.08	76.10	27.85	76.10	28.36	76.10	28.62	76.10	29.41
	-12.6	-13	80.70	27.08	80.70	27.85	80.70	28.62	80.70	28.88	80.70	29.41	80.70	30.17
	-10.5	-11	85.60	27.85	85.60	28.62	85.60	29.41	85.60	29.65	85.60	29.92	85.60	30.69
	-9.5	-10	88.30	28.12	88.30	28.88	88.30	29.65	88.30	29.92	88.30	30.17	88.30	30.94
	-8.5	-9.1	90.30	28.36	90.30	29.13	90.30	29.92	90.30	30.17	90.30	30.42	90.30	31.21
	-7	-7.6	93.90	28.88	93.90	29.65	93.90	30.17	93.90	30.69	93.90	30.94	93.80	31.45
	-5	-5.6	98.70	29.41	98.70	30.17	98.70	30.69	98.70	30.94	98.70	31.45	98.10	31.98
	-3	-3.7	103.20	29.92	103.20	30.69	103.20	31.21	103.20	31.45	103.20	31.73	99.00	30.69
	0	-0.7	110.40	30.69	110.40	31.21	110.40	31.73	109.80	31.98	106.40	30.69	99.00	28.36
	3	2.2	117.20	31.21	117.20	31.73	113.90	30.94	109.90	29.92	106.40	28.62	99.00	26.56
	5	4.1	121.90	31.45	121.30	31.73	113.90	29.65	109.90	28.62	106.40	27.33	99.00	25.37
	8.3	6.1	126.50	31.73	121.30	30.42	113.90	28.36	109.90	27.33	106.40	26.32	99.00	24.37
	9	7.9	128.60	31.21	121.30	29.13	113.90	27.33	109.90	26.32	106.40	25.32	99.00	23.44
	11	9.8	128.60	29.92	121.30	28.12	113.90	26.32	109.90	25.27	106.40	24.37	99.00	22.59
80	13	11.8	128.60	28.88	121.30	27.08	113.90	25.19	109.90	24.32	106.40	23.47	99.00	21.77
	15	13.7	128.60	27.85	121.30	26.04	113.90	24.32	109.90	23.50	106.40	22.67	99.00	21.02
	19	14.2	128.60	27.16	121.30	25.31	113.90	23.55	109.90	22.79	106.40	21.86	99.00	20.26
	21	15	128.60	26.17	121.30	24.37	113.90	23.12	109.90	22.04	106.40	21.08	99.00	19.43
	-14.7	-15	76.10	27.85	76.10	28.62	76.10	29.41	76.10	29.65	76.10	29.92	76.10	30.69
	-12.6	-13	80.70	28.62	80.70	29.13	80.70	29.92	80.70	30.17	80.70	30.69	80.70	31.21
	-10.5	-11	85.60	29.13	85.60	29.92	85.60	30.42	85.60	30.94	85.60	31.21	85.40	31.73
	-9.5	-10	88.30	29.65	88.30	30.17	88.30	30.69	88.30	31.21	88.30	31.45	87.50	31.98
	-8.5	-9.1	90.30	29.92	90.30	30.42	90.30	30.94	90.30	31.45	90.30	31.73	88.10	31.45
	-7	-7.6	93.90	30.17	93.90	30.69	93.80	31.45	93.80	31.73	93.30	31.98	88.10	29.92
	-5	-5.6	98.70	30.69	98.70	31.21	98.70	31.73	97.70	31.98	94.70	30.69	88.10	28.36
	-3	-3.7	103.20	31.21	103.20	31.73	101.20	31.45	97.70	30.17	94.70	29.13	88.10	26.81
	0	-0.7	110.40	31.73	107.60	31.21	101.20	29.13	97.70	28.12	94.70	26.81	88.10	24.92
	3	2.2	114.10	30.94	107.60	29.13	101.20	27.08	97.70	26.04	94.70	25.16	88.10	23.31
	5	4.1	114.10	29.65	107.60	27.85	101.20	26.04	97.70	25.01	94.70	24.11	88.10	22.35
	8.3	6.1	114.10	28.36	107.60	26.56	101.20	24.89	97.70	24.04	94.70	23.18	88.10	21.50
	9	7.9	114.10	27.33	107.60	25.61	101.20	23.92	97.70	23.11	94.70	22.30	88.10	20.70
	11	9.8	114.10	26.32	107.60	24.64	101.20	23.06	97.70	22.28	94.70	21.50	88.10	19.96
	13	11.8	114.10	25.30	107.60	23.72	101.20	22.20	97.70	21.45	94.70	20.70	88.10	19.26
	15	13.7	114.10	24.43	107.60	22.70	101.20	21.45	97.70	20.73	94.70	20.03	88.10	18.65
	19	14.2	114.10	23.58	107.60	22.30	101.20	20.60	97.70	19.97	94.70	19.18	88.10	18.18
	21	15	114.10	22.91	107.60	21.33	101.20	20.05	97.70	19.33	94.70	18.53	88.10	17.22

To be continued

Continued

			YCV1130HR											
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	76.10	29.41	76.10	30.17	76.10	30.69	76.10	30.94	76.10	31.21	75.30	31.98
	-12.6	-13	80.70	30.17	80.70	30.69	80.70	31.21	80.70	31.45	80.20	31.98	77.10	30.69
	-10.5	-11	85.60	30.69	85.60	31.21	85.50	31.73	84.70	31.98	82.80	30.94	77.10	28.62
	-9.5	-10	88.30	30.94	88.30	31.45	87.60	31.98	85.60	31.21	82.80	29.92	77.10	27.60
	-8.5	-9.1	90.30	31.21	90.30	31.73	88.70	31.45	85.60	30.42	82.80	29.13	77.10	27.08
	-7	-7.6	93.80	31.45	93.20	31.98	88.70	30.17	85.60	28.88	82.80	27.85	77.10	25.79
	-5	-5.6	98.40	31.98	94.20	30.42	88.70	28.36	85.60	27.33	82.80	26.32	77.10	24.43
	-3	-3.7	99.90	30.94	94.20	28.88	88.70	27.08	85.60	26.04	82.80	25.08	77.10	23.23
	0	-0.7	99.90	28.62	94.20	26.81	88.70	25.04	85.60	24.16	82.80	23.28	77.10	21.61
	3	2.2	99.90	26.81	94.20	25.04	88.70	23.39	85.60	22.59	82.80	21.83	77.10	20.25
	5	4.1	99.90	25.59	94.20	24.01	88.70	22.47	85.60	21.69	82.80	20.95	77.10	19.47
	8.3	6.1	99.90	24.54	94.20	23.06	88.70	21.58	85.60	20.86	82.80	20.13	77.10	18.74
	9	7.9	99.90	23.63	94.20	22.18	88.70	20.78	85.60	20.08	82.80	19.42	77.10	18.09
	11	9.8	99.90	22.74	94.20	21.38	88.70	20.05	85.60	19.38	82.80	18.59	77.10	17.46
60	13	11.8	99.90	21.91	94.20	20.61	88.70	19.34	85.60	18.73	82.80	18.09	77.10	16.86
	15	13.7	99.90	21.18	94.20	19.94	88.70	18.73	85.60	18.10	82.80	17.50	77.10	16.34
	19	14.2	99.90	20.10	94.20	19.38	88.70	18.20	85.60	17.26	82.80	16.52	77.10	15.67
	21	15	99.90	19.38	94.20	18.43	88.70	17.38	85.60	16.46	82.80	15.69	77.10	14.82
	-14.7	-15	76.10	30.94	76.10	31.45	75.00	31.98	73.40	30.94	71.10	29.92	66.10	27.60
	-12.6	-13	80.70	31.45	79.70	31.98	75.90	29.92	73.40	28.88	71.10	27.85	66.10	25.73
	-10.5	-11	84.70	31.98	80.60	30.17	75.90	28.12	73.40	27.08	71.10	26.04	66.10	24.14
	-9.5	-10	85.60	31.21	80.60	29.13	75.90	27.33	73.40	26.32	71.10	25.30	66.10	23.42
	-8.5	-9.1	85.60	30.42	80.60	28.36	75.90	26.56	73.40	25.56	71.10	24.62	66.10	22.82
	-7	-7.6	85.60	28.88	80.60	27.08	75.90	25.35	73.40	24.44	71.10	23.60	66.10	21.87
	-5	-5.6	85.60	27.33	80.60	25.67	75.90	23.99	73.40	23.15	71.10	22.33	66.10	20.73
	-3	-3.7	85.60	26.04	80.60	24.40	75.90	22.82	73.40	22.05	71.10	21.27	66.10	19.78
	0	-0.7	85.60	24.14	80.60	22.67	75.90	21.23	73.40	20.53	71.10	19.83	66.10	18.44
	3	2.2	85.60	22.59	80.60	21.23	75.90	19.91	73.40	19.26	71.10	18.62	66.10	17.36
50	5	4.1	85.60	21.69	80.60	20.40	75.90	19.14	73.40	18.51	71.10	17.90	66.10	16.69
	8.3	6.1	85.60	20.83	80.60	19.62	75.90	18.44	73.40	17.84	71.10	17.26	66.10	16.09
	9	7.9	85.60	20.08	80.60	18.93	75.90	17.77	73.40	17.23	71.10	16.66	66.10	15.55
	11	9.8	85.60	19.38	80.60	18.25	75.90	17.18	73.40	16.64	71.10	16.09	66.10	15.06
	13	11.8	85.60	18.70	80.60	17.64	75.90	16.58	73.40	16.06	71.10	15.56	66.10	14.57
	15	13.7	85.60	18.10	80.60	17.06	75.90	16.06	73.40	15.56	71.10	15.09	66.10	14.14
	19	14.2	85.60	17.58	80.60	16.24	75.90	15.57	73.40	15.09	71.10	14.52	66.10	13.52
	21	15	85.60	16.85	80.60	15.78	75.90	14.92	73.40	14.60	71.10	14.05	66.10	13.00
	-14.7	-15	71.30	29.92	67.20	28.12	63.30	26.32	61.10	25.32	59.10	24.40	55.00	22.62
	-12.6	-13	71.30	28.12	67.20	26.32	63.30	24.50	61.10	23.67	59.10	22.82	55.00	21.18
	-10.5	-11	71.30	26.32	67.20	24.59	63.30	23.00	61.10	22.23	59.10	21.45	55.00	19.94
	-9.5	-10	71.30	25.43	67.20	23.85	63.30	22.33	61.10	21.58	59.10	20.83	55.00	19.36
	-8.5	-9.1	71.30	24.76	67.20	23.23	63.30	21.77	61.10	21.02	59.10	20.30	55.00	18.87
	-7	-7.6	71.30	23.72	67.20	22.28	63.30	20.86	61.10	20.16	59.10	19.50	55.00	18.15
	-5	-5.6	71.30	22.47	67.20	21.12	63.30	19.81	61.10	19.16	59.10	18.51	55.00	17.26
	-3	-3.7	71.30	21.39	67.20	20.13	63.30	18.90	61.10	18.28	59.10	17.69	55.00	16.50
	0	-0.7	71.30	19.94	67.20	18.77	63.30	17.64	61.10	17.09	59.10	16.53	55.00	15.45
	3	2.2	71.30	18.70	67.20	17.64	63.30	16.61	61.10	16.09	59.10	15.56	55.00	14.57
	5	4.1	71.30	18.01	67.20	16.99	63.30	16.00	61.10	15.50	59.10	14.90	55.00	14.05
	8.3	6.1	71.30	17.34	67.20	16.38	63.30	15.42	61.10	14.96	59.10	14.49	55.00	13.60
	9	7.9	71.30	16.74	67.20	15.81	63.30	14.92	61.10	14.47	59.10	14.03	55.00	13.15
	11	9.8	71.30	16.17	67.20	15.29	63.30	14.44	61.10	14.00	59.10	13.60	55.00	12.75
	13	11.8	71.30	15.65	67.20	14.80	63.30	13.97	61.10	13.57	59.10	13.15	55.00	12.36
	15	13.7	71.30	15.16	67.20	14.36	63.30	13.57	61.10	13.17	59.10	12.77	55.00	12.02
	19	14.2	71.30	14.69	67.20	13.79	63.30	13.08	61.10	12.59	59.10	12.33	55.00	11.49
	21	15	71.30	13.72	67.20	13.41	63.30	12.75	61.10	12.06	59.10	11.84	55.00	11.03
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

Capacity table

YCV1180HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	78.70	20.90	78.70	22.15	78.70	23.36	78.60	23.99	78.60	24.62	78.60	25.85
	-12.6	-13	83.50	22.20	83.50	23.36	83.50	24.54	83.50	25.09	83.50	25.69	83.50	26.84
	-10.5	-11	88.60	23.33	88.60	24.46	88.60	25.53	88.60	26.08	88.60	26.64	88.60	27.66
	-9.5	-10	91.40	23.88	91.40	24.93	91.40	25.98	91.40	26.53	91.40	27.08	91.40	28.18
	-8.5	-9.1	93.50	24.31	93.50	25.38	93.50	26.40	93.50	26.92	93.50	27.37	93.50	28.47
	-7	-7.6	97.20	25.01	97.20	26.03	97.20	27.03	97.20	27.66	97.20	27.92	97.20	29.00
	-5	-5.6	102.20	25.85	102.20	26.80	102.20	27.66	102.20	28.18	102.20	28.73	102.20	29.55
	-3	-3.7	107.00	26.61	107.00	27.37	107.00	28.47	107.00	29.00	107.00	29.28	107.00	30.36
	0	-0.7	114.70	27.66	114.70	28.47	114.70	29.28	114.70	29.81	114.70	30.09	114.70	30.91
	3	2.2	121.70	28.47	121.70	29.28	121.70	30.09	121.70	30.36	121.70	30.91	121.70	31.72
	5	4.1	126.70	29.00	126.70	29.81	126.70	30.62	126.70	30.91	126.70	31.44	126.70	31.98
	8.3	6.1	131.50	29.55	131.50	30.36	131.50	30.91	131.50	31.44	131.50	31.72	131.50	32.53
	9	7.9	136.20	29.81	136.10	30.62	136.10	31.44	136.10	31.72	136.10	31.98	136.10	32.80
	11	9.8	141.00	30.36	141.00	30.91	141.00	31.72	141.00	31.98	141.00	32.53	141.00	33.06
	13	11.8	146.26	30.62	146.26	31.44	146.26	31.98	146.26	32.53	146.26	32.80	146.26	33.35
	15	13.7	150.90	31.17	150.70	31.72	150.70	32.25	150.70	32.80	150.70	33.06	148.90	33.06
120	19	14.2	150.90	31.46	150.70	32.04	150.70	32.56	150.70	33.08	150.70	33.37	148.90	32.41
	21	15	150.90	31.69	150.70	32.35	150.70	32.87	150.70	33.27	150.70	32.85	148.90	32.07
	-14.7	-15	78.70	22.57	78.60	23.72	78.60	24.85	78.60	25.43	78.60	25.98	78.60	27.11
	-12.6	-13	83.50	23.78	83.50	24.83	83.50	25.90	83.50	26.45	83.50	27.00	83.50	28.18
	-10.5	-11	88.60	24.83	88.60	25.83	88.60	26.84	88.60	27.37	88.60	27.92	88.60	29.00
	-9.5	-10	91.40	25.32	91.40	26.29	91.40	27.37	91.40	27.66	91.40	28.18	91.40	29.28
	-8.5	-9.1	93.50	25.72	93.50	26.66	93.50	27.66	93.50	28.18	93.50	28.73	93.50	29.55
	-7	-7.6	97.20	26.37	97.20	27.37	97.20	28.18	97.20	28.73	97.20	29.08	97.20	30.09
	-5	-5.6	102.20	27.11	102.20	27.92	102.20	29.00	102.20	29.28	102.20	29.87	102.20	30.62
	-3	-3.7	107.00	27.92	107.00	28.73	107.00	29.55	107.00	29.81	107.00	30.40	107.00	31.17
	0	-0.7	114.70	28.73	114.70	29.55	114.70	30.36	114.70	30.62	114.70	31.17	114.70	31.98
	3	2.2	121.70	29.55	121.70	30.36	121.70	31.17	121.70	31.44	121.70	31.72	121.70	32.53
	5	4.1	126.70	30.09	126.70	30.62	126.70	31.44	126.70	31.72	126.70	32.25	126.70	32.80
	8.3	6.1	131.50	30.36	131.50	31.17	131.50	31.98	131.50	32.25	131.50	32.53	131.50	33.35
	9	7.9	136.10	30.91	136.10	31.44	136.10	32.25	136.10	32.53	136.10	32.80	136.10	33.61
	11	9.8	141.00	31.17	141.00	31.98	141.00	32.53	141.00	32.80	141.00	33.06	137.50	32.53
	13	11.8	146.26	31.72	146.26	32.25	146.26	32.80	146.26	33.06	146.26	33.61	137.50	31.44
110	15	13.7	150.70	31.98	150.70	32.53	150.70	33.06	150.70	33.35	147.90	32.80	137.50	30.09
	19	14.2	150.70	32.25	150.70	32.80	150.70	33.11	150.70	33.03	147.90	32.25	137.50	29.36
	21	15	150.70	32.59	150.70	33.06	150.70	33.30	150.70	32.77	147.90	31.25	137.50	28.84
	-14.7	-15	78.60	24.23	78.60	25.30	78.60	26.29	78.60	26.84	78.60	27.37	78.60	28.47
	-12.6	-13	83.50	25.35	83.50	26.32	83.50	27.37	83.50	27.92	83.50	28.18	83.50	29.28
	-10.5	-11	88.60	26.29	88.60	27.11	88.60	28.18	88.60	28.73	88.60	29.00	88.60	30.09
	-9.5	-10	91.40	26.74	91.40	27.66	91.40	28.47	91.40	29.08	91.40	29.55	91.40	30.36
	-8.5	-9.1	93.50	27.11	93.50	27.92	93.50	29.00	93.50	29.34	93.50	29.81	93.50	30.62
	-7	-7.6	97.20	27.66	97.20	28.47	97.20	29.28	97.20	29.87	97.20	30.36	97.20	31.17
	-5	-5.6	102.20	28.47	102.20	29.28	102.20	30.09	102.20	30.40	102.20	30.91	102.20	31.72
	-3	-3.7	107.00	29.00	107.00	29.81	107.00	30.62	107.00	30.93	107.00	31.44	107.00	31.98
	0	-0.7	114.70	29.81	114.60	30.62	114.60	31.44	114.60	31.72	114.60	31.98	114.60	32.80
	3	2.2	121.70	30.62	121.70	31.44	121.70	31.98	121.70	32.25	121.70	32.80	121.70	33.35
	5	4.1	126.70	31.17	126.70	31.72	126.70	32.25	126.70	32.80	126.70	33.06	126.00	33.35
	8.3	6.1	131.50	31.44	131.50	31.98	131.50	32.80	131.50	33.06	131.50	33.35	126.00	31.98
	9	7.9	136.10	31.98	136.10	32.53	136.10	33.06	136.10	33.35	135.10	33.35	126.00	30.62
	11	9.8	141.00	32.25	141.00	32.80	141.00	33.35	139.90	33.35	135.10	31.98	126.00	29.55
	13	11.8	146.26	32.53	146.26	33.06	144.70	33.06	139.90	31.98	135.10	30.62	126.00	28.47
	15	13.7	150.90	32.80	150.90	33.35	144.70	31.98	139.90	30.91	135.10	29.55	126.00	27.37
	19	14.2	150.90	30.65	150.90	33.03	144.70	30.94	139.90	29.65	135.10	28.55	126.00	26.48
	21	15	150.90	30.91	150.90	32.07	144.70	29.29	139.90	28.76	135.10	27.76	126.00	26.09

To be continued

Continued

YCV1180HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	78.60	25.90	78.60	26.87	78.60	27.92	78.60	28.18	78.60	28.73	78.60	29.81
	-12.6	-13	83.50	26.92	83.50	27.92	83.50	28.73	83.50	29.00	83.50	29.55	83.50	30.36
	-10.5	-11	88.60	27.92	88.60	28.73	88.60	29.55	88.60	29.81	88.60	30.36	88.60	31.17
	-9.5	-10	91.40	28.18	91.40	29.00	91.40	29.81	91.40	30.36	91.40	30.62	91.40	31.44
	-8.5	-9.1	93.50	28.47	93.50	29.28	93.50	30.09	93.50	30.62	93.50	30.91	93.50	31.72
	-7	-7.6	97.20	29.00	97.20	29.81	97.20	30.62	97.20	30.91	97.20	31.44	97.20	32.25
	-5	-5.6	102.20	29.81	102.20	30.36	102.20	31.17	102.20	31.44	102.20	31.98	102.20	32.53
	-3	-3.7	107.00	30.36	107.00	30.91	107.00	31.72	107.00	31.98	107.00	32.25	107.00	33.06
	0	-0.7	114.60	31.17	114.60	31.72	114.60	32.25	114.60	32.80	114.60	33.06	114.30	33.61
	3	2.2	121.70	31.72	121.70	32.25	121.70	33.06	121.70	33.35	121.70	33.61	114.70	31.44
	5	4.1	126.70	31.98	126.70	32.80	126.70	33.35	126.70	33.61	125.70	32.53	114.70	30.09
	8.3	6.1	131.50	32.53	131.50	33.06	131.50	34.97	127.30	32.25	123.10	31.17	114.70	28.73
	9	7.9	136.10	32.80	136.10	33.35	131.50	32.25	127.30	31.17	123.10	29.81	114.70	27.66
	11	9.8	141.00	33.06	139.90	33.35	131.50	30.91	127.30	29.81	123.10	28.73	114.70	26.59
	13	11.8	146.26	33.35	139.90	31.98	131.50	29.81	127.30	28.73	123.10	27.66	114.70	25.59
90	15	13.7	148.30	32.80	139.90	30.91	131.50	28.73	127.30	27.66	123.10	26.66	114.70	24.70
	19	14.2	148.30	31.93	139.90	29.84	131.50	28.02	127.30	26.50	123.10	25.64	114.70	24.04
	21	15	148.30	30.91	139.90	28.55	131.50	26.95	127.30	26.09	123.10	24.88	114.70	23.49
	-14.7	-15	78.60	27.66	78.60	28.47	78.60	29.28	78.60	29.81	78.60	30.09	78.60	30.91
	-12.6	-13	83.50	28.47	83.50	29.28	83.50	30.09	83.50	30.36	83.50	30.91	83.50	31.72
	-10.5	-11	88.60	29.28	88.60	30.09	88.60	30.91	88.60	31.17	88.60	31.44	88.60	32.25
	-9.5	-10	91.40	29.55	91.40	30.36	91.40	31.17	91.40	31.44	91.40	31.72	91.40	32.53
	-8.5	-9.1	93.50	29.81	93.50	30.62	93.50	31.44	93.50	31.72	93.50	31.98	93.50	32.80
	-7	-7.6	97.20	30.36	97.20	31.17	97.20	31.72	97.20	32.25	97.20	32.53	97.10	33.06
	-5	-5.6	102.20	30.91	102.20	31.72	102.20	32.25	102.20	32.53	102.20	33.06	101.60	33.61
	-3	-3.7	107.00	31.44	107.00	32.25	107.00	32.80	107.00	33.06	107.00	33.35	103.00	32.25
	0	-0.7	114.60	32.25	114.60	32.80	114.60	33.35	114.10	33.61	110.70	32.25	103.00	29.81
	3	2.2	121.70	32.80	121.70	33.35	118.30	32.53	114.30	31.44	110.70	30.09	103.00	27.92
	5	4.1	126.70	33.06	125.90	33.35	118.30	31.17	114.30	30.09	110.70	28.73	103.00	26.66
	8.3	6.1	131.50	33.35	125.90	31.98	118.30	29.81	114.30	28.73	110.70	27.66	103.00	25.61
80	9	7.9	133.60	32.80	125.90	30.62	118.30	28.73	114.30	27.66	110.70	26.61	103.00	24.64
	11	9.8	133.60	31.44	125.90	29.55	118.30	27.66	114.30	26.56	110.70	25.61	103.00	23.75
	13	11.8	133.60	30.36	125.90	28.47	118.30	26.48	114.30	25.56	110.70	24.67	103.00	22.88
	15	13.7	133.60	29.28	125.90	27.37	118.30	25.56	114.30	24.70	110.70	23.83	103.00	22.10
	19	14.2	133.60	28.55	125.90	26.61	118.30	24.75	114.30	23.96	110.70	22.97	103.00	21.29
	21	15	133.60	27.50	125.90	25.61	118.30	24.30	114.30	23.17	110.70	22.15	103.00	20.42
	-14.7	-15	78.60	29.28	78.60	30.09	78.60	30.91	78.60	31.17	78.60	31.44	78.60	32.25
	-12.6	-13	83.50	30.09	83.50	30.62	83.50	31.44	83.50	31.72	83.50	32.25	83.50	32.80
	-10.5	-11	88.60	30.62	88.60	31.44	88.60	31.98	88.60	32.53	88.60	32.80	88.40	33.35
	-9.5	-10	91.40	31.17	91.40	31.72	91.40	32.25	91.40	32.80	91.40	33.06	90.60	33.61
	-8.5	-9.1	93.50	31.44	93.50	31.98	93.50	32.53	93.50	33.06	93.50	33.35	91.60	33.06
	-7	-7.6	97.20	31.72	97.20	32.25	97.10	33.06	97.10	33.35	96.60	33.61	91.60	31.44
	-5	-5.6	102.20	32.25	102.20	32.80	102.20	33.35	101.50	33.61	98.40	32.25	91.60	29.81
	-3	-3.7	107.00	32.80	107.00	33.35	105.20	33.06	101.50	31.72	98.40	30.62	91.60	28.18
	0	-0.7	114.60	33.35	111.80	32.80	105.20	30.62	101.50	29.55	98.40	28.18	91.60	26.19
	3	2.2	118.50	32.53	111.80	30.62	105.20	28.47	101.50	27.37	98.40	26.45	91.60	24.51
	5	4.1	118.50	31.17	111.80	29.28	105.20	27.37	101.50	26.29	98.40	25.35	91.60	23.49
	8.3	6.1	118.50	29.81	111.80	27.92	105.20	26.16	101.50	25.27	98.40	24.36	91.60	22.60
	9	7.9	118.50	28.73	111.80	26.92	105.20	25.14	101.50	24.28	98.40	23.44	91.60	21.76
	11	9.8	118.50	27.66	111.80	25.90	105.20	24.23	101.50	23.41	98.40	22.60	91.60	20.97
	13	11.8	118.50	26.59	111.80	24.93	105.20	23.33	101.50	22.55	98.40	21.76	91.60	20.24
	15	13.7	118.50	25.67	111.80	23.86	105.20	22.55	101.50	21.79	98.40	21.05	91.60	19.59
	19	14.2	118.50	24.78	111.80	23.44	105.20	21.65	101.50	20.98	98.40	20.16	91.60	19.11
	21	15	118.50	24.07	111.80	22.42	105.20	21.08	101.50	20.32	98.40	19.48	91.60	18.09

Capacity table

To be continued

Continued

Capacity Factor (%)	Outdoor Temp.		YCV1180HR Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70	-14.7	-15	78.60	30.91	78.60	31.72	78.60	32.25	78.60	32.53	78.60	32.80	77.80	33.61
	-12.6	-13	83.50	31.72	83.50	32.25	83.50	32.80	83.50	33.06	83.00	33.61	80.20	32.25
	-10.5	-11	88.60	32.25	88.60	32.80	88.50	33.35	87.70	33.61	86.00	32.53	80.20	30.09
	-9.5	-10	91.40	32.53	91.40	33.06	90.70	33.61	88.90	32.80	86.00	31.44	80.20	29.00
	-8.5	-9.1	93.50	32.80	93.50	33.35	92.10	33.06	88.90	31.98	86.00	30.62	80.20	28.47
	-7	-7.6	97.10	33.06	96.50	33.61	92.10	31.72	88.90	30.36	86.00	29.28	80.20	27.11
	-5	-5.6	101.90	33.61	97.90	31.98	92.10	29.81	88.90	28.73	86.00	27.66	80.20	25.67
	-3	-3.7	103.70	32.53	97.90	30.36	92.10	28.47	88.90	27.37	86.00	26.37	80.20	24.43
	0	-0.7	103.70	30.09	97.90	28.18	92.10	26.32	88.90	25.40	86.00	24.48	80.20	22.71
	3	2.2	103.70	28.18	97.90	26.32	92.10	24.59	88.90	23.75	86.00	22.94	80.20	21.29
	5	4.1	103.70	26.90	97.90	25.24	92.10	23.62	88.90	22.79	86.00	22.02	80.20	20.47
	8.3	6.1	103.70	25.80	97.90	24.23	92.10	22.68	88.90	21.92	86.00	21.16	80.20	19.71
	9	7.9	103.70	24.83	97.90	23.31	92.10	21.84	88.90	21.11	86.00	20.42	80.20	19.01
	11	9.8	103.70	23.91	97.90	22.47	92.10	21.08	88.90	20.37	86.00	19.53	80.20	18.35
60	13	11.8	103.70	23.04	97.90	21.66	92.10	20.32	88.90	19.69	86.00	19.01	80.20	17.72
	15	13.7	103.70	22.26	97.90	20.95	92.10	19.69	88.90	19.03	86.00	18.40	80.20	17.17
	19	14.2	103.70	21.13	97.90	20.37	92.10	19.14	88.90	18.14	86.00	17.36	80.20	16.47
	21	15	103.70	20.37	97.90	19.37	92.10	18.27	88.90	17.30	86.00	16.49	80.20	15.57
	-14.7	-15	78.60	32.53	78.60	33.06	77.50	33.61	76.30	32.53	73.90	31.44	68.70	29.00
	-12.6	-13	83.50	33.06	82.50	33.61	78.90	31.44	76.30	30.36	73.90	29.28	68.70	27.05
	-10.5	-11	87.70	33.61	83.70	31.72	78.90	29.55	76.30	28.47	73.90	27.37	68.70	25.38
	-9.5	-10	88.90	32.80	83.70	30.62	78.90	28.73	76.30	27.66	73.90	26.59	68.70	24.62
	-8.5	-9.1	88.90	31.98	83.70	29.81	78.90	27.92	76.30	26.87	73.90	25.88	68.70	23.99
	-7	-7.6	88.90	30.36	83.70	28.47	78.90	26.64	76.30	25.69	73.90	24.80	68.70	22.99
	-5	-5.6	88.90	28.73	83.70	26.98	78.90	25.22	76.30	24.33	73.90	23.47	68.70	21.79
	-3	-3.7	88.90	27.37	83.70	25.64	78.90	23.99	76.30	23.18	73.90	22.36	68.70	20.79
	0	-0.7	88.90	25.38	83.70	23.83	78.90	22.31	76.30	21.58	73.90	20.84	68.70	19.38
	3	2.2	88.90	23.75	83.70	22.31	78.90	20.92	76.30	20.24	73.90	19.56	68.70	18.25
50	5	4.1	88.90	22.79	83.70	21.44	78.90	20.11	76.30	19.45	73.90	18.82	68.70	17.54
	8.3	6.1	88.90	21.89	83.70	20.63	78.90	19.38	76.30	18.75	73.90	18.14	68.70	16.91
	9	7.9	88.90	21.11	83.70	19.90	78.90	18.67	76.30	18.11	73.90	17.51	68.70	16.34
	11	9.8	88.90	20.37	83.70	19.19	78.90	18.06	76.30	17.49	73.90	16.91	68.70	15.83
	13	11.8	88.90	19.66	83.70	18.54	78.90	17.43	76.30	16.88	73.90	16.36	68.70	15.31
	15	13.7	88.90	19.03	83.70	17.93	78.90	16.88	76.30	16.36	73.90	15.86	68.70	14.86
	19	14.2	88.90	18.48	83.70	17.07	78.90	16.38	76.30	15.86	73.90	15.26	68.70	14.21
	21	15	88.90	17.72	83.70	16.59	78.90	15.68	76.30	15.34	73.90	14.76	68.70	13.66
	-14.7	-15	74.20	31.44	69.80	29.55	65.80	27.66	63.60	26.61	61.50	25.64	57.10	23.78
	-12.6	-13	74.20	29.55	69.80	27.66	65.80	25.75	63.60	24.88	61.50	23.99	57.10	22.26
	-10.5	-11	74.20	27.66	69.80	25.85	65.80	24.17	63.60	23.36	61.50	22.55	57.10	20.95
	-9.5	-10	74.20	26.72	69.80	25.07	65.80	23.47	63.60	22.68	61.50	21.89	57.10	20.35
	-8.5	-9.1	74.20	26.03	69.80	24.43	65.80	22.88	63.60	22.10	61.50	21.34	57.10	19.84
	-7	-7.6	74.20	24.93	69.80	23.41	65.80	21.92	63.60	21.19	61.50	20.50	57.10	19.08
	-5	-5.6	74.20	23.62	69.80	22.20	65.80	20.82	63.60	20.14	61.50	19.45	57.10	18.14
	-3	-3.7	74.20	22.49	69.80	21.16	65.80	19.87	63.60	19.22	61.50	18.59	57.10	17.35
	0	-0.7	74.20	20.95	69.80	19.74	65.80	18.54	63.60	17.96	61.50	17.38	57.10	16.23
	3	2.2	74.20	19.66	69.80	18.54	65.80	17.46	63.60	16.91	61.50	16.36	57.10	15.31
	5	4.1	74.20	18.93	69.80	17.86	65.80	16.81	63.60	16.28	61.50	15.85	57.10	14.76
	8.3	6.1	74.20	18.22	69.80	17.22	65.80	16.20	63.60	15.73	61.50	15.23	57.10	14.29
	9	7.9	74.20	17.59	69.80	16.62	65.80	15.68	63.60	15.21	61.50	14.74	57.10	13.82
	11	9.8	74.20	16.99	69.80	16.07	65.80	15.18	63.60	14.71	61.50	14.29	57.10	13.40
	13	11.8	74.20	16.46	69.80	15.55	65.80	14.68	63.60	14.26	61.50	13.82	57.10	12.98
	15	13.7	74.20	15.94	69.80	15.10	65.80	14.26	63.60	13.84	61.50	13.42	57.10	12.64
	19	14.2	74.20	15.44	69.80	14.50	65.80	13.76	63.60	13.24	61.50	12.95	57.10	12.08
	21	15	74.20	14.42	69.80	14.10	65.80	13.40	63.60	12.67	61.50	12.45	57.10	11.59
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCV1235HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-14.7	-15	82.20	21.43	82.20	22.67	82.20	23.90	82.20	24.51	82.20	25.14	82.20	26.38
	-12.6	-13	87.20	22.68	87.20	23.86	87.20	25.02	87.20	25.57	87.20	26.18	87.20	27.34
	-10.5	-11	92.40	23.80	92.40	24.91	92.40	25.99	92.40	26.54	92.40	27.08	92.40	28.12
	-9.5	-10	95.70	24.33	95.70	25.36	95.70	26.42	95.70	26.99	95.70	27.52	95.70	28.61
	-8.5	-9.1	98.40	24.73	98.40	25.79	98.40	26.82	98.40	27.37	98.40	27.82	98.40	28.90
	-7	-7.6	102.50	25.42	102.50	26.44	102.50	27.45	102.50	28.04	102.50	28.35	102.50	29.41
	-5	-5.6	107.80	26.23	107.80	27.19	107.80	28.07	107.80	28.59	107.80	29.12	107.80	29.97
	-3	-3.7	112.80	26.98	112.80	27.78	112.80	28.83	112.80	29.35	112.80	29.67	112.80	30.74
	0	-0.7	120.30	28.00	120.30	28.83	120.30	29.65	120.30	30.15	120.30	30.46	120.30	31.30
	3	2.2	127.20	28.81	127.20	29.61	127.20	30.43	127.20	30.74	127.20	31.23	127.20	32.08
	5	4.1	132.40	29.32	132.40	30.13	132.40	30.94	132.40	31.23	132.40	31.78	132.40	32.35
	8.3	6.1	137.50	29.85	137.50	30.65	137.50	31.23	137.50	31.70	137.50	32.08	137.50	32.84
	9	7.9	142.50	30.13	142.50	30.94	142.50	31.70	142.50	32.08	142.50	32.35	142.50	33.12
	11	9.8	147.90	30.66	147.90	31.23	147.90	32.08	147.90	32.35	147.90	32.84	147.90	33.40
	13	11.8	152.66	30.94	152.66	31.70	152.66	32.35	152.66	32.84	152.66	33.12	152.66	33.69
120	15	13.7	157.50	31.43	157.30	32.00	157.30	32.62	157.30	33.12	157.30	33.40	155.50	33.55
	19	14.2	157.50	31.80	157.30	32.39	157.30	32.94	157.30	33.42	157.30	33.71	155.50	32.82
	21	15	157.50	32.13	157.30	32.78	157.30	33.26	157.30	33.63	157.30	33.99	155.50	32.18
	-14.7	-15	82.20	23.11	82.20	24.25	82.20	25.38	82.20	25.95	82.20	26.50	82.20	27.64
	-12.6	-13	87.20	24.26	87.20	25.32	87.20	26.40	87.20	26.93	87.20	27.46	87.20	28.63
	-10.5	-11	92.40	25.28	92.40	26.26	92.40	27.31	92.40	27.82	92.40	28.35	92.40	29.43
	-9.5	-10	95.70	25.77	95.70	26.74	95.70	27.78	95.70	28.12	95.70	28.63	95.70	29.73
	-8.5	-9.1	98.40	26.14	98.40	27.09	98.40	28.07	98.40	28.59	98.40	29.12	98.40	29.97
	-7	-7.6	102.50	26.78	102.50	27.76	102.50	28.59	102.50	29.12	102.50	29.51	102.50	30.54
	-5	-5.6	107.80	27.51	107.80	28.34	107.80	29.36	107.80	29.69	107.80	30.27	107.80	31.01
	-3	-3.7	112.80	28.27	112.80	29.08	112.80	29.93	112.80	30.24	112.80	30.78	112.80	31.58
	0	-0.7	120.30	29.10	120.30	29.91	120.30	30.74	120.30	31.01	120.30	31.50	120.30	31.90
	3	2.2	127.20	29.89	127.20	30.66	127.20	31.50	127.20	31.78	127.20	32.08	127.20	32.92
	5	4.1	132.40	30.43	132.40	31.01	132.40	31.78	132.40	32.08	132.40	32.55	132.40	33.20
	8.3	6.1	137.50	30.74	137.50	31.50	137.50	32.28	137.50	32.55	137.50	32.84	137.50	33.69
110	9	7.9	142.50	31.23	142.50	31.78	142.50	32.55	142.50	32.84	142.50	33.12	142.80	33.97
	11	9.8	147.90	31.50	147.90	32.28	147.90	32.84	147.90	33.12	147.90	33.40	143.80	33.00
	13	11.8	152.66	32.00	152.66	32.55	152.66	33.12	152.66	33.40	152.66	33.89	143.80	31.86
	15	13.7	157.30	32.28	157.30	32.84	157.30	33.40	157.30	33.69	154.30	33.27	143.80	30.54
	19	14.2	157.30	32.70	157.30	33.27	157.30	33.59	157.30	33.38	154.30	32.62	143.80	29.90
	21	15	157.30	33.11	157.30	33.32	157.30	33.42	157.30	32.95	154.30	31.56	143.80	29.39
	-14.7	-15	82.20	24.75	82.20	25.82	82.20	26.81	82.20	27.37	82.20	27.90	82.20	28.96
	-12.6	-13	87.20	25.83	87.20	26.81	87.20	27.82	87.20	28.39	87.20	28.70	87.20	29.77
	-10.5	-11	92.40	26.75	92.40	27.58	92.40	28.63	92.40	29.16	92.40	29.47	92.40	30.54
	-9.5	-10	95.70	27.19	95.70	28.12	95.70	28.92	95.70	29.51	95.70	29.97	95.70	30.81
	-8.5	-9.1	98.40	27.54	98.40	28.39	98.40	29.39	98.40	29.79	98.40	30.24	98.40	31.08
	-7	-7.6	102.50	28.07	102.50	28.90	102.50	29.73	102.50	30.28	102.50	30.74	102.50	31.58
	-5	-5.6	107.80	28.85	107.80	29.67	107.80	30.46	107.80	30.85	107.80	31.30	107.80	32.08
	-3	-3.7	112.80	29.39	112.80	30.21	112.80	31.01	112.80	31.32	112.80	31.86	112.80	32.42
	0	-0.7	120.30	30.21	120.30	31.01	120.30	31.78	120.30	32.08	120.30	32.35	120.30	33.20
	3	2.2	127.20	31.01	127.20	31.78	127.20	32.35	127.20	32.62	127.20	33.12	127.20	33.69
	5	4.1	132.40	31.50	132.40	32.08	132.40	32.62	132.40	33.12	132.40	33.40	131.80	33.69
	8.3	6.1	137.50	31.78	137.50	32.35	137.50	33.12	137.50	33.40	137.50	33.69	131.80	32.28
	9	7.9	142.50	32.28	142.50	32.84	142.50	33.40	142.50	33.69	141.40	33.54	131.80	31.01
	11	9.8	147.90	32.55	147.90	33.12	147.90	33.69	146.30	33.77	141.40	32.42	131.80	29.93
	13	11.8	152.66	32.84	152.66	33.40	151.10	33.55	146.30	32.42	141.40	31.08	131.80	28.85
	15	13.7	157.50	33.12	157.50	33.69	151.30	32.42	146.30	31.30	141.40	30.01	131.80	27.74
	19	14.2	157.50	31.63	157.50	33.30	151.30	31.32	146.30	30.01	141.40	28.87	131.80	26.93
	21	15	157.50	31.68	157.50	32.34	151.30	29.84	146.30	29.07	141.40	28.11	131.80	26.50

To be continued

Continued

Capacity Factor (%)	YCVI235HR Heating Capacity													
	Outdoor Temp.		Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-14.7	-15	82.20	26.42	82.20	27.39	82.20	28.40	82.20	28.74	82.20	29.23	82.20	30.24
	-12.6	-13	87.20	27.40	87.20	28.39	87.20	29.19	87.20	29.51	87.20	30.04	87.20	30.88
	-10.5	-11	92.40	28.34	92.40	29.16	92.40	29.97	92.40	30.32	92.40	30.81	92.40	31.58
	-9.5	-10	95.70	28.63	95.70	29.43	95.70	30.24	95.70	30.74	95.70	31.08	95.70	31.86
	-8.5	-9.1	98.40	28.91	98.40	29.73	98.40	30.54	98.40	31.01	98.40	31.38	98.40	32.15
	-7	-7.6	102.50	29.43	102.50	30.24	102.50	31.01	102.50	31.38	102.50	31.86	102.50	32.62
	-5	-5.6	107.80	30.17	107.80	30.81	107.80	31.58	107.80	31.86	107.80	32.35	107.80	33.00
	-3	-3.7	112.80	30.74	112.80	31.30	112.80	32.08	112.80	32.35	112.80	32.70	112.80	33.47
	0	-0.7	120.30	31.50	120.30	32.08	120.30	32.62	120.30	33.12	120.30	33.40	119.40	33.82
	3	2.2	127.20	32.08	127.20	32.62	127.20	33.40	127.20	33.69	127.20	33.97	119.80	31.70
	5	4.1	132.40	32.35	132.40	33.12	132.40	33.69	132.40	33.97	131.30	32.84	119.80	30.35
	8.3	6.1	137.50	32.84	137.50	33.40	137.50	36.15	133.00	32.62	128.70	31.50	119.80	29.05
	9	7.9	142.50	33.12	142.30	33.69	137.50	32.62	133.00	31.50	128.70	30.17	119.80	27.96
	11	9.8	147.90	33.40	146.20	33.77	137.50	31.30	133.00	30.21	128.70	29.08	119.80	27.67
	13	11.8	152.66	33.69	146.20	32.35	137.50	30.21	133.00	29.09	128.70	28.04	119.80	25.93
90	15	13.7	155.10	33.27	146.20	31.30	137.50	29.12	133.00	28.04	128.70	27.06	119.80	25.03
	19	14.2	155.10	32.31	146.20	30.26	137.50	28.40	133.00	26.86	128.70	25.90	119.80	24.19
	21	15	155.10	31.37	146.20	29.02	137.50	27.31	133.00	26.28	128.70	24.98	119.80	23.53
	-14.7	-15	82.20	28.15	82.20	28.97	82.20	29.81	82.20	30.32	82.20	30.61	82.20	31.38
	-12.6	-13	87.20	28.96	87.20	29.77	87.20	30.54	87.20	30.88	87.20	31.30	87.20	32.15
	-10.5	-11	92.40	29.73	92.40	30.54	92.40	31.30	92.40	31.66	92.40	31.86	92.40	32.62
	-9.5	-10	95.70	30.02	95.70	30.81	95.70	31.66	95.70	31.93	95.70	32.15	95.70	33.00
	-8.5	-9.1	98.40	30.24	98.40	31.08	98.40	31.93	98.40	32.22	98.40	32.42	98.40	33.27
	-7	-7.6	102.50	30.81	102.50	31.58	102.50	32.22	102.50	32.70	102.50	33.00	102.50	33.55
	-5	-5.6	107.80	31.30	107.80	32.08	107.80	32.70	107.80	33.00	107.80	33.47	106.40	33.74
	-3	-3.7	112.80	31.86	112.80	32.62	112.80	33.20	112.80	33.47	112.80	33.77	107.80	32.48
	0	-0.7	120.30	32.62	120.30	33.20	120.30	33.77	119.40	33.74	115.70	32.55	107.80	29.87
	3	2.2	127.20	33.20	128.20	33.69	123.70	32.77	119.60	31.70	115.70	30.35	107.80	28.14
	5	4.1	132.40	33.47	131.40	33.69	123.70	31.43	119.60	30.35	115.70	29.05	107.80	26.93
	8.3	6.1	137.50	33.77	131.40	32.35	123.70	30.13	119.60	29.05	115.70	27.96	107.80	25.88
80	9	7.9	139.60	33.20	131.40	31.01	123.70	29.05	119.60	27.96	115.70	26.91	107.80	24.91
	11	9.8	139.60	31.86	131.40	29.89	123.70	27.96	119.60	26.90	115.70	25.93	107.80	24.05
	13	11.8	139.60	30.74	131.40	28.82	123.70	26.84	119.60	25.91	115.70	25.01	107.80	23.20
	15	13.7	139.60	29.66	131.40	27.74	123.70	25.91	119.60	25.03	115.70	24.18	107.80	22.41
	19	14.2	139.60	28.87	131.40	26.96	123.70	25.10	119.60	24.23	115.70	23.25	107.80	21.51
	21	15	139.60	27.73	131.40	25.81	123.70	24.56	119.60	23.38	115.70	22.30	107.80	20.67
	-14.7	-15	82.20	29.77	82.20	30.61	82.20	31.38	82.20	31.66	82.20	31.93	82.20	32.70
	-12.6	-13	87.20	30.54	87.20	31.16	87.20	31.93	87.20	32.22	87.20	32.70	87.20	33.27
	-10.5	-11	92.40	31.08	92.40	31.86	92.40	32.42	92.40	32.92	92.40	33.27	92.50	33.69
	-9.5	-10	95.70	31.58	95.70	32.15	95.70	32.70	95.70	33.20	95.70	33.47	94.70	33.66
	-8.5	-9.1	98.40	31.86	98.40	32.42	98.40	33.00	98.40	33.47	98.40	33.77	95.70	32.94
	-7	-7.6	102.50	32.15	102.50	32.70	102.50	33.47	102.50	33.77	101.00	33.74	95.70	31.48
	-5	-5.6	107.80	32.70	107.80	33.20	107.80	33.77	106.20	33.66	102.80	32.32	95.70	29.88
	-3	-3.7	112.80	33.20	112.80	33.77	110.00	33.17	106.20	31.85	102.80	30.75	95.70	28.34
	0	-0.7	120.30	33.77	116.80	32.90	110.00	30.80	106.20	29.71	102.80	28.40	95.70	26.38
	3	2.2	124.00	32.84	116.80	30.86	110.00	28.74	106.20	27.63	102.80	26.67	95.70	24.74
	5	4.1	124.00	31.50	116.80	29.54	110.00	27.60	106.20	26.55	102.80	25.61	95.70	23.73
	8.3	6.1	124.00	30.15	116.80	28.24	110.00	26.45	106.20	25.55	102.80	24.62	95.70	22.83
	9	7.9	124.00	29.05	116.80	27.22	110.00	25.45	106.20	24.56	102.80	23.71	95.70	22.00
	11	9.8	124.00	28.00	116.80	26.21	110.00	24.52	106.20	23.70	102.80	22.87	95.70	21.25
	13	11.8	124.00	26.94	116.80	25.27	110.00	23.65	106.20	22.84	102.80	22.04	95.70	20.50
	15	13.7	124.00	26.03	116.80	24.24	110.00	22.86	106.20	22.09	102.80	21.35	95.70	19.85
	19	14.2	124.00	25.12	116.80	23.74	110.00	22.02	106.20	21.22	102.80	20.44	95.70	19.26
	21	15	124.00	24.36	116.80	22.77	110.00	21.34	106.20	20.50	102.80	19.67	95.70	18.28

To be continued

Continued

YCV1235HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	82.20	31.38	82.20	32.15	82.20	32.78	82.20	33.07	82.20	33.35	81.50	33.66
	-12.6	-13	87.20	32.15	87.20	32.70	87.20	33.27	87.20	33.55	86.90	33.74	83.90	32.18
	-10.5	-11	92.40	32.62	92.40	33.27	92.60	33.69	91.70	33.52	89.90	32.54	83.90	30.12
	-9.5	-10	95.70	32.92	95.70	33.47	94.80	33.66	92.90	32.74	89.90	31.48	83.90	29.02
	-8.5	-9.1	98.40	33.20	98.40	33.77	96.20	33.02	92.90	31.90	89.90	30.64	83.90	28.47
	-7	-7.6	102.50	33.47	100.90	33.66	96.20	31.78	92.90	30.43	89.90	29.36	83.90	27.17
	-5	-5.6	106.60	33.89	102.30	32.12	96.20	29.90	92.90	28.86	89.90	27.78	83.90	25.77
	-3	-3.7	108.40	32.70	102.30	30.51	96.20	28.58	92.90	27.52	89.90	26.50	83.90	24.55
	0	-0.7	108.40	30.30	102.30	28.36	96.20	26.49	92.90	25.57	89.90	24.67	83.90	22.86
	3	2.2	108.40	28.40	102.30	26.57	96.20	24.80	92.90	23.96	89.90	23.13	83.90	21.49
	5	4.1	108.40	27.16	102.30	25.48	96.20	23.83	92.90	23.01	89.90	22.24	83.90	20.68
	8.3	6.1	108.40	26.08	102.30	24.48	96.20	22.93	92.90	22.16	89.90	21.39	83.90	19.92
	9	7.9	108.40	25.13	102.30	23.59	96.20	22.10	92.90	21.35	89.90	20.64	83.90	19.22
	11	9.8	108.40	24.21	102.30	22.74	96.20	21.33	92.90	20.61	89.90	19.81	83.90	18.58
	13	11.8	108.40	23.34	102.30	21.95	96.20	20.58	92.90	19.93	89.90	19.27	83.90	17.95
60	15	13.7	108.40	22.57	102.30	21.23	96.20	19.96	92.90	19.29	89.90	18.65	83.90	17.41
	19	14.2	108.40	21.54	102.30	20.56	96.20	19.36	92.90	18.53	89.90	17.64	83.90	16.73
	21	15	108.40	20.70	102.30	19.50	96.20	18.45	92.90	17.54	89.90	16.78	83.90	15.81
	-14.7	-15	82.20	33.07	82.20	33.55	81.00	33.52	79.80	32.32	77.20	31.25	71.70	28.84
	-12.6	-13	87.20	33.55	86.30	33.52	82.40	31.33	79.80	30.25	77.20	29.18	71.70	26.98
	-10.5	-11	91.70	33.52	87.50	31.70	82.40	29.51	79.80	28.44	77.20	27.37	71.70	25.36
	-9.5	-10	92.90	32.74	87.50	30.61	82.40	28.67	79.80	27.62	77.20	26.58	71.70	24.62
	-8.5	-9.1	92.90	31.90	87.50	29.83	82.40	27.92	79.80	26.88	77.20	25.89	71.70	24.00
	-7	-7.6	92.90	30.43	87.50	28.55	82.40	26.70	79.80	25.75	77.20	24.90	71.70	23.06
	-5	-5.6	92.90	28.86	87.50	27.07	82.40	25.32	79.80	24.41	77.20	23.53	71.70	21.87
	-3	-3.7	92.90	27.54	87.50	25.77	82.40	24.11	79.80	23.31	77.20	22.50	71.70	20.90
	0	-0.7	92.90	25.55	87.50	23.99	82.40	22.48	79.80	21.71	77.20	20.99	71.70	19.50
	3	2.2	92.90	23.94	87.50	22.52	82.40	21.12	79.80	20.39	77.20	19.72	71.70	18.42
	5	4.1	92.90	23.01	87.50	21.65	82.40	20.29	79.80	19.64	77.20	19.01	71.70	17.73
	8.3	6.1	92.90	22.14	87.50	20.85	82.40	19.58	79.80	18.95	77.20	18.34	71.70	17.10
50	9	7.9	92.90	21.35	87.50	20.13	82.40	18.89	79.80	18.32	77.20	17.71	71.70	16.52
	11	9.8	92.90	20.61	87.50	19.41	82.40	18.28	79.80	17.69	77.20	17.14	71.70	16.01
	13	11.8	92.90	19.91	87.50	18.76	82.40	17.65	79.80	17.12	77.20	16.57	71.70	15.50
	15	13.7	92.90	19.29	87.50	18.18	82.40	17.12	79.80	16.58	77.20	16.08	71.70	15.05
	19	14.2	92.90	18.68	87.50	17.36	82.40	16.52	79.80	15.97	77.20	15.41	71.70	14.41
	21	15	92.90	17.87	87.50	16.80	82.40	15.82	79.80	15.44	77.20	14.90	71.70	13.79
	-14.7	-15	77.50	31.27	72.90	29.37	68.70	27.48	66.50	26.46	64.30	25.53	59.70	23.66
	-12.6	-13	77.50	29.40	72.90	27.55	68.70	25.68	66.50	24.81	64.30	23.93	59.70	22.23
	-10.5	-11	77.50	27.60	72.90	25.83	68.70	24.17	66.50	23.34	64.30	22.53	59.70	20.93
	-9.5	-10	77.50	26.72	72.90	25.05	68.70	23.49	66.50	22.69	64.30	21.92	59.70	20.36
	-8.5	-9.1	77.50	26.05	72.90	24.45	68.70	22.90	66.50	22.11	64.30	21.37	59.70	19.86
	-7	-7.6	77.50	24.99	72.90	23.45	68.70	21.97	66.50	21.24	64.30	20.55	59.70	19.14
	-5	-5.6	77.50	23.70	72.90	22.30	68.70	20.89	66.50	20.20	64.30	19.52	59.70	18.23
	-3	-3.7	77.50	22.60	72.90	21.28	68.70	19.97	66.50	19.32	64.30	18.68	59.70	17.44
	0	-0.7	77.50	21.08	72.90	19.90	68.70	18.68	66.50	18.09	64.30	17.51	59.70	16.36
	3	2.2	77.50	19.84	72.90	18.70	68.70	17.60	66.50	17.06	64.30	16.50	59.70	15.43
	5	4.1	77.50	19.10	72.90	18.03	68.70	16.98	66.50	16.44	64.30	16.08	59.70	14.94
	8.3	6.1	77.50	18.40	72.90	17.40	68.70	16.38	66.50	15.90	64.30	15.41	59.70	14.42
	9	7.9	77.50	17.78	72.90	16.81	68.70	15.86	66.50	15.39	64.30	14.90	59.70	13.99
	11	9.8	77.50	17.20	72.90	16.28	68.70	15.37	66.50	14.90	64.30	14.46	59.70	13.56
	13	11.8	77.50	16.66	72.90	15.73	68.70	14.86	66.50	14.44	64.30	13.99	59.70	13.13
	15	13.7	77.50	16.15	72.90	15.31	68.70	14.44	66.50	14.05	64.30	13.59	59.70	12.79
	19	14.2	77.50	15.63	72.90	14.71	68.70	13.89	66.50	13.40	64.30	13.07	59.70	12.28
	21	15	77.50	14.73	72.90	14.14	68.70	13.45	66.50	12.84	64.30	12.57	59.70	11.78
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCVI300HR Heating Capacity														
Capacity Factor (%)	Outdoor Temp.		Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	85.40	22.90	85.40	24.27	85.40	25.60	85.40	26.28	85.40	26.97	85.40	28.32
	-12.6	-13	90.80	24.33	90.80	25.60	90.80	26.88	90.80	27.49	90.80	28.15	90.80	29.41
	-10.5	-11	96.60	25.57	96.60	26.79	96.60	27.98	96.60	28.58	96.60	29.19	96.60	30.31
	-9.5	-10	99.80	26.17	99.80	27.32	99.80	28.47	99.80	29.07	99.80	29.67	99.80	30.88
	-8.5	-9.1	102.10	26.64	102.10	27.80	102.10	28.92	102.10	29.50	102.10	29.99	102.10	31.19
	-7	-7.6	106.20	27.41	106.20	28.52	106.20	29.61	106.20	30.31	106.20	30.59	106.20	31.78
	-5	-5.6	112.00	28.32	112.00	29.36	112.00	30.31	112.00	30.88	112.00	31.48	112.00	32.38
	-3	-3.7	117.40	29.16	117.40	29.99	117.40	31.19	117.40	31.78	117.40	32.08	117.40	33.26
	0	-0.7	126.00	30.31	126.00	31.19	126.00	32.08	126.00	32.66	126.00	32.97	126.00	33.87
	3	2.2	134.10	31.19	134.10	32.08	134.10	32.97	134.10	33.26	134.10	33.87	134.10	34.75
	5	4.1	139.50	31.78	139.50	32.66	139.50	33.55	139.50	33.87	139.50	34.45	139.50	35.04
	8.3	6.1	145.00	32.38	145.00	33.26	145.00	33.87	145.00	34.45	145.00	34.75	145.00	35.64
	9	7.9	150.20	32.66	150.20	33.55	150.20	34.45	150.20	34.75	150.20	35.04	150.20	35.94
	11	9.8	155.60	33.26	155.60	33.87	155.60	34.75	155.60	35.04	155.60	35.64	155.60	36.22
	13	11.8	160.56	33.55	160.56	34.45	160.56	35.04	160.56	35.64	160.56	35.94	160.56	36.54
	15	13.7	166.80	34.15	166.60	34.75	166.60	35.34	166.60	35.94	166.60	36.22	164.20	36.22
	19	14.2	166.80	34.47	166.60	35.11	166.60	35.67	166.60	36.25	166.60	36.57	164.20	35.50
	21	15	166.80	34.73	166.60	35.45	166.60	36.02	166.60	36.45	166.60	35.99	164.20	35.14
120	-14.7	-15	85.40	24.73	85.40	25.99	85.40	27.23	85.40	27.86	85.40	28.47	85.40	29.70
	-12.6	-13	90.80	26.05	90.80	27.21	90.80	28.38	90.80	28.98	90.80	29.59	90.80	30.88
	-10.5	-11	96.60	27.21	96.60	28.29	96.60	29.41	96.60	29.99	96.60	30.59	96.60	31.78
	-9.5	-10	99.80	27.75	99.80	28.81	99.80	29.99	99.80	30.31	99.80	30.88	99.80	32.08
	-8.5	-9.1	102.10	28.18	102.10	29.22	102.10	30.31	102.10	30.88	102.10	31.48	102.10	32.38
	-7	-7.6	106.20	28.89	106.20	29.99	106.20	30.88	106.20	31.48	106.20	31.86	106.20	32.97
	-5	-5.6	112.00	29.70	112.00	30.59	112.00	31.78	112.00	32.08	112.00	32.75	112.00	33.55
	-3	-3.7	117.40	30.59	117.40	31.48	117.40	32.38	117.40	32.66	117.40	33.34	117.40	34.15
	0	-0.7	126.00	31.48	126.00	32.38	126.00	33.26	126.00	33.55	126.00	34.15	126.00	35.04
	3	2.2	134.10	32.38	134.10	33.26	134.10	34.15	134.10	34.45	134.10	34.75	134.10	35.64
	5	4.1	139.50	32.97	139.50	33.55	139.50	34.45	139.50	34.75	139.50	35.34	139.50	35.94
	8.3	6.1	145.00	33.26	145.00	34.15	145.00	35.04	145.00	35.34	145.00	35.64	145.00	36.54
	9	7.9	150.20	33.87	150.20	34.45	150.20	35.34	150.20	35.64	150.20	35.94	150.20	36.83
	11	9.8	155.60	34.15	155.60	35.04	155.60	35.64	155.60	35.94	155.60	36.22	151.70	35.64
	13	11.8	160.56	34.75	160.56	35.34	160.56	35.94	160.56	36.22	160.56	36.83	151.70	34.45
	15	13.7	166.60	35.04	166.60	35.64	166.60	36.22	166.60	36.54	162.70	35.94	151.70	32.97
	19	14.2	166.60	35.33	166.60	35.94	166.60	36.27	166.60	36.19	162.70	35.33	151.70	32.17
	21	15	166.60	35.70	166.60	36.22	166.60	36.48	166.60	35.91	162.70	34.24	151.70	31.60
110	-14.7	-15	85.40	26.55	85.40	27.72	85.40	28.81	85.40	29.41	85.40	29.99	85.40	31.19
	-12.6	-13	90.80	27.77	90.80	28.84	90.80	29.99	90.80	30.59	90.80	30.88	90.80	32.08
	-10.5	-11	96.60	28.81	96.60	29.70	96.60	30.88	96.60	31.48	96.60	31.78	96.60	32.97
	-9.5	-10	99.80	29.30	99.80	30.31	99.80	31.19	99.80	31.86	99.80	32.38	99.80	33.26
	-8.5	-9.1	102.10	29.70	102.10	30.59	102.10	31.78	102.10	32.16	102.10	32.66	102.10	33.55
	-7	-7.6	106.20	30.31	106.20	31.19	106.20	32.08	106.20	32.75	106.20	33.26	106.20	34.15
	-5	-5.6	112.00	31.19	112.00	32.08	112.00	32.97	112.00	33.34	112.00	33.87	112.00	34.75
	-3	-3.7	117.40	31.78	117.40	32.66	117.40	33.55	117.40	33.84	117.40	34.45	117.40	35.04
	0	-0.7	126.00	32.66	126.00	33.55	126.00	34.45	126.00	34.73	126.00	35.04	126.00	35.94
	3	2.2	134.10	33.55	134.10	34.45	134.10	35.04	134.10	35.34	134.10	35.94	134.10	36.54
	5	4.1	139.50	34.15	139.50	34.75	139.50	35.34	139.50	35.94	139.50	36.22	139.00	36.54
	8.3	6.1	145.00	34.45	145.00	35.04	145.00	35.94	145.00	36.22	145.00	36.54	139.00	35.04
	9	7.9	150.20	35.04	150.20	35.64	150.20	36.22	150.20	36.54	149.10	36.54	139.00	33.55
	11	9.8	155.60	35.34	155.60	35.94	155.60	36.54	154.30	36.54	149.10	35.04	139.00	32.38
	13	11.8	160.56	35.64	160.56	36.22	159.60	36.22	154.30	35.04	149.10	33.55	139.00	31.19
	15	13.7	166.80	35.94	166.80	36.54	159.60	35.04	154.30	33.87	149.10	32.38	139.00	29.99
	19	14.2	166.80	33.58	166.80	36.19	159.60	33.90	154.30	32.49	149.10	31.28	139.00	29.01
	21	15	166.80	33.87	166.80	35.14	159.60	32.09	154.30	31.51	149.10	30.41	139.00	28.59

To be continued

Continued

YCVI300HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100	-14.7	-15	85.40	28.38	85.40	29.44	85.40	30.59	85.40	30.88	85.40	31.48	85.40	32.66
	-12.6	-13	90.80	29.50	90.80	30.59	90.80	31.48	90.80	31.78	90.80	32.38	90.80	33.26
	-10.5	-11	96.60	30.59	96.60	31.48	96.60	32.38	96.60	32.66	96.60	33.26	96.60	34.15
	-9.5	-10	99.80	30.88	99.80	31.78	99.80	32.66	99.80	33.26	99.80	33.55	99.80	34.45
	-8.5	-9.1	102.10	31.19	102.10	32.08	102.10	32.97	102.10	33.60	102.10	33.87	102.10	34.75
	-7	-7.6	106.20	31.78	106.20	32.66	106.20	33.55	106.20	33.82	106.20	34.45	106.20	35.34
	-5	-5.6	112.00	32.66	112.00	33.26	112.00	34.15	112.00	34.41	112.00	35.04	112.00	35.64
	-3	-3.7	117.40	33.26	117.40	33.87	117.40	34.75	117.40	35.02	117.40	35.34	117.40	36.22
	0	-0.7	126.00	34.15	126.00	34.75	126.00	35.34	126.00	35.93	126.00	36.22	126.10	36.83
	3	2.2	134.10	34.75	134.10	35.34	134.10	36.22	134.10	36.54	134.10	36.83	126.50	34.45
	5	4.1	139.50	35.04	139.50	35.94	139.50	36.54	139.50	36.83	138.30	35.64	126.50	32.97
	8.3	6.1	145.00	35.64	145.00	36.22	145.00	38.10	140.40	35.34	135.70	34.15	126.50	31.48
	9	7.9	150.20	35.94	150.20	36.54	145.00	35.34	140.40	34.15	135.70	32.66	126.50	30.31
	11	9.8	155.60	36.22	154.30	36.54	145.00	33.87	140.40	32.66	135.70	31.48	126.50	29.13
	13	11.8	160.56	36.54	154.30	35.04	145.00	32.66	140.40	31.48	135.70	30.31	126.50	28.04
90	15	13.7	163.50	35.94	154.30	33.87	145.00	31.48	140.40	30.31	135.70	29.22	126.50	27.06
	19	14.2	163.50	34.99	154.30	32.69	145.00	30.70	140.40	29.04	135.70	28.10	126.50	26.34
	21	15	163.50	33.87	154.30	31.28	145.00	29.54	140.40	28.59	135.70	27.26	126.50	25.74
	-14.7	-15	85.40	30.31	85.40	31.19	85.40	32.08	85.40	32.66	85.40	32.97	85.40	33.87
	-12.6	-13	90.80	31.19	90.80	32.08	90.80	32.97	90.80	33.26	90.80	33.87	90.80	34.75
	-10.5	-11	96.60	32.08	96.60	32.97	96.60	33.87	96.60	34.15	96.60	34.45	96.60	35.34
	-9.5	-10	99.80	32.38	99.80	33.26	99.80	34.15	99.80	34.45	99.80	34.75	99.80	35.64
	-8.5	-9.1	102.10	32.66	102.10	33.55	102.10	34.45	102.10	34.75	102.10	35.04	102.10	35.94
	-7	-7.6	106.20	33.26	106.20	34.15	106.20	34.75	106.20	35.34	106.20	35.64	106.20	36.22
	-5	-5.6	112.00	33.87	112.00	34.75	112.00	35.34	112.00	35.64	112.00	36.22	112.00	36.83
	-3	-3.7	117.40	34.45	117.40	35.34	117.40	35.94	117.40	36.22	117.40	36.54	113.60	35.34
	0	-0.7	126.00	35.34	126.00	35.94	126.00	36.54	125.90	36.83	122.00	35.34	113.60	32.66
	3	2.2	134.10	35.94	134.10	36.54	130.60	35.64	126.10	34.45	122.00	32.97	113.60	30.59
	5	4.1	139.50	36.22	138.80	36.54	130.60	34.15	126.10	32.97	122.00	31.48	113.60	29.22
	8.3	6.1	145.00	36.54	138.80	35.04	130.60	32.66	126.10	31.48	122.00	30.31	113.60	28.07
80	9	7.9	147.40	35.94	138.80	33.55	130.60	31.48	126.10	30.31	122.00	29.16	113.60	27.00
	11	9.8	147.40	34.45	138.80	32.38	130.60	30.31	126.10	29.10	122.00	28.07	113.60	26.02
	13	11.8	147.40	33.26	138.80	31.19	130.60	29.01	126.10	28.01	122.00	27.03	113.60	25.08
	15	13.7	147.40	32.08	138.80	29.99	130.60	28.01	126.10	27.06	122.00	26.11	113.60	24.21
	19	14.2	147.40	31.28	138.80	29.15	130.60	27.12	126.10	26.25	122.00	25.17	113.60	23.33
	21	15	147.40	30.14	138.80	28.07	130.60	26.63	126.10	25.39	122.00	24.28	113.60	22.38
	-14.7	-15	85.40	32.08	85.40	32.97	85.40	33.87	85.40	34.15	85.40	34.45	85.40	35.34
	-12.6	-13	90.80	32.97	90.80	33.55	90.80	34.45	90.80	34.75	90.80	35.34	90.80	35.94
	-10.5	-11	96.60	33.55	96.60	34.45	96.60	35.04	96.60	35.64	96.60	35.94	96.60	36.54
	-9.5	-10	99.80	34.15	99.80	34.75	99.80	35.34	99.80	35.94	99.80	36.22	99.80	36.83
	-8.5	-9.1	102.10	34.45	102.10	35.04	102.10	35.64	102.10	36.22	102.10	36.54	100.90	36.22
	-7	-7.6	106.20	34.75	106.20	35.34	106.20	36.22	106.20	36.54	106.20	36.83	100.90	34.45
	-5	-5.6	112.00	35.34	112.00	35.94	112.00	36.54	112.00	36.83	108.50	35.34	100.90	32.66
	-3	-3.7	117.40	35.94	117.40	36.54	116.00	36.22	112.00	34.75	108.50	33.55	100.90	30.88
	0	-0.7	126.00	36.54	123.30	35.94	116.00	33.55	112.00	32.38	108.50	30.88	100.90	28.70
	3	2.2	130.90	35.64	123.30	33.55	116.00	31.19	112.00	29.99	108.50	28.98	100.90	26.85
	5	4.1	130.90	34.15	123.30	32.08	116.00	29.99	112.00	28.81	108.50	27.77	100.90	25.74
	8.3	6.1	130.90	32.66	123.30	30.59	116.00	28.67	112.00	27.69	108.50	26.69	100.90	24.76
	9	7.9	130.90	31.48	123.30	29.50	116.00	27.55	112.00	26.61	108.50	25.68	100.90	23.84
	11	9.8	130.90	30.31	123.30	28.38	116.00	26.55	112.00	25.66	108.50	24.76	100.90	22.99
	13	11.8	130.90	29.13	123.30	27.32	116.00	25.57	112.00	24.70	108.50	23.84	100.90	22.18
	15	13.7	130.90	28.13	123.30	26.14	116.00	24.70	112.00	23.87	108.50	23.07	100.90	21.47
	19	14.2	130.90	27.15	123.30	25.68	116.00	23.73	112.00	22.99	108.50	22.09	100.90	20.94
	21	15	130.90	26.38	123.30	24.56	116.00	23.09	112.00	22.26	108.50	21.34	100.90	19.83

Capacity table

To be continued

Continued

YCVI300HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70	-14.7	-15	85.40	33.87	85.40	34.75	85.40	35.34	85.40	35.64	85.40	35.94	85.40	36.83
	-12.6	-13	90.80	34.75	90.80	35.34	90.80	35.94	90.80	36.22	90.80	36.83	88.40	35.34
	-10.5	-11	96.60	35.34	96.60	35.94	96.60	36.54	96.60	36.83	94.90	35.64	88.40	32.97
	-9.5	-10	99.80	35.64	99.80	36.22	99.80	36.83	98.10	35.94	94.90	34.45	88.40	31.78
	-8.5	-9.1	102.10	35.94	102.10	36.54	101.60	36.22	98.10	35.04	94.90	33.55	88.40	31.19
	-7	-7.6	106.20	36.22	106.20	36.83	101.60	34.75	98.10	33.26	94.90	32.08	88.40	29.70
	-5	-5.6	112.00	36.83	107.90	35.04	101.60	32.66	98.10	31.48	94.90	30.31	88.40	28.13
	-3	-3.7	114.40	35.64	107.90	33.26	101.60	31.19	98.10	29.99	94.90	28.89	88.40	26.76
	0	-0.7	114.40	32.97	107.90	30.88	101.60	28.84	98.10	27.83	94.90	26.82	88.40	24.88
	3	2.2	114.40	30.88	107.90	28.84	101.60	26.94	98.10	26.02	94.90	25.14	88.40	23.32
	5	4.1	114.40	29.47	107.90	27.66	101.60	25.88	98.10	24.97	94.90	24.13	88.40	22.43
	8.3	6.1	114.40	28.26	107.90	26.55	101.60	24.85	98.10	24.02	94.90	23.18	88.40	21.59
	9	7.9	114.40	27.21	107.90	25.54	101.60	23.93	98.10	23.12	94.90	22.37	88.40	20.83
	11	9.8	114.40	26.19	107.90	24.62	101.60	23.09	98.10	22.32	94.90	21.41	88.40	20.11
	13	11.8	114.40	25.24	107.90	23.73	101.60	22.27	98.10	21.57	94.90	20.83	88.40	19.42
60	15	13.7	114.40	24.39	107.90	22.96	101.60	21.57	98.10	20.85	94.90	20.16	88.40	18.82
	19	14.2	114.40	23.15	107.90	22.32	101.60	20.96	98.10	19.88	94.90	19.02	88.40	18.04
	21	15	114.40	22.32	107.90	21.23	101.60	20.02	98.10	18.96	94.90	18.07	88.40	17.07
	-14.7	-15	85.40	35.64	85.40	36.22	85.40	36.83	84.10	35.64	81.50	34.45	75.70	31.78
	-12.6	-13	90.80	36.22	90.80	36.83	87.00	34.45	84.10	33.26	81.50	32.08	75.70	29.64
	-10.5	-11	96.60	36.83	92.30	34.75	87.00	32.38	84.10	31.19	81.50	29.99	75.70	27.80
	-9.5	-10	98.10	35.94	92.30	33.55	87.00	31.48	84.10	30.31	81.50	29.13	75.70	26.97
	-8.5	-9.1	98.10	35.04	92.30	32.66	87.00	30.59	84.10	29.44	81.50	28.35	75.70	26.28
	-7	-7.6	98.10	33.26	92.30	31.19	87.00	29.19	84.10	28.15	81.50	27.18	75.70	25.19
	-5	-5.6	98.10	31.48	92.30	29.56	87.00	27.63	84.10	26.66	81.50	25.71	75.70	23.87
	-3	-3.7	98.10	29.99	92.30	28.10	87.00	26.28	84.10	25.39	81.50	24.50	75.70	22.78
	0	-0.7	98.10	27.80	92.30	26.11	87.00	24.45	84.10	23.64	81.50	22.84	75.70	21.23
	3	2.2	98.10	26.02	92.30	24.45	87.00	22.93	84.10	22.18	81.50	21.44	75.70	19.99
	5	4.1	98.10	24.97	92.30	23.50	87.00	22.04	84.10	21.32	81.50	20.62	75.70	19.22
	8.3	6.1	98.10	23.99	92.30	22.60	87.00	21.23	84.10	20.54	81.50	19.88	75.70	18.53
50	9	7.9	98.10	23.12	92.30	21.80	87.00	20.46	84.10	19.85	81.50	19.19	75.70	17.90
	11	9.8	98.10	22.32	92.30	21.02	87.00	19.79	84.10	19.16	81.50	18.53	75.70	17.35
	13	11.8	98.10	21.54	92.30	20.31	87.00	19.10	84.10	18.50	81.50	17.92	75.70	16.78
	15	13.7	98.10	20.85	92.30	19.65	87.00	18.50	84.10	17.92	81.50	17.38	75.70	16.29
	19	14.2	98.10	20.25	92.30	18.70	87.00	17.94	84.10	17.38	81.50	16.72	75.70	15.57
	21	15	98.10	19.41	92.30	18.18	87.00	17.18	84.10	16.81	81.50	16.18	75.70	14.97
	-14.7	-15	81.70	34.45	76.90	32.38	72.50	30.31	70.10	29.16	67.80	28.10	63.00	26.05
	-12.6	-13	81.70	32.38	76.90	30.31	72.50	28.21	70.10	27.26	67.80	26.28	63.00	24.39
	-10.5	-11	81.70	30.31	76.90	28.32	72.50	26.49	70.10	25.60	67.80	24.70	63.00	22.96
	-9.5	-10	81.70	29.28	76.90	27.46	72.50	25.71	70.10	24.85	67.80	23.99	63.00	22.29
	-8.5	-9.1	81.70	28.52	76.90	26.76	72.50	25.08	70.10	24.21	67.80	23.38	63.00	21.74
	-7	-7.6	81.70	27.32	76.90	25.66	72.50	24.02	70.10	23.21	67.80	22.46	63.00	20.91
	-5	-5.6	81.70	25.88	76.90	24.33	72.50	22.81	70.10	22.06	67.80	21.32	63.00	19.88
	-3	-3.7	81.70	24.64	76.90	23.18	72.50	21.77	70.10	21.05	67.80	20.37	63.00	19.01
	0	-0.7	81.70	22.96	76.90	21.62	72.50	20.31	70.10	19.68	67.80	19.04	63.00	17.79
	3	2.2	81.70	21.54	76.90	20.31	72.50	19.13	70.10	18.53	67.80	17.92	63.00	16.78
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

YCVI350HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-14.7	-15	87.90	23.91	87.90	25.35	87.90	26.73	87.90	27.45	87.90	28.17	87.90	29.58
	-12.6	-13	93.60	25.41	93.60	26.73	93.60	28.08	93.60	28.71	93.60	29.40	93.60	30.72
	-10.5	-11	99.60	26.70	99.60	27.99	99.60	29.22	99.60	29.85	99.60	30.48	99.60	31.65
	-9.5	-10	102.90	27.33	102.90	28.53	102.90	29.73	102.90	30.36	102.90	30.99	102.90	32.25
	-8.5	-9.1	105.30	27.81	105.30	29.04	105.30	30.21	105.30	30.81	105.30	31.32	105.30	32.58
	-7	-7.6	109.50	28.62	109.50	29.79	109.50	30.93	109.50	31.65	109.50	31.95	109.50	33.18
	-5	-5.6	115.50	29.58	115.50	30.66	115.50	31.65	115.50	32.25	115.50	32.88	115.50	33.81
	-3	-3.7	121.20	30.45	121.20	31.32	121.20	32.58	121.20	33.18	121.20	33.51	121.20	34.74
	0	-0.7	130.20	31.65	130.20	32.58	130.20	33.51	130.20	34.11	130.20	34.44	130.20	35.37
	3	2.2	138.60	32.58	138.60	33.51	138.60	34.44	138.60	34.74	138.60	35.37	138.60	36.30
	5	4.1	144.30	33.18	144.30	34.11	144.30	35.04	144.30	35.37	144.30	35.97	144.30	36.60
	8.3	6.1	150.00	33.81	150.00	34.74	150.00	35.37	150.00	35.97	150.00	36.30	150.00	37.23
	9	7.9	155.40	34.11	155.40	35.04	155.40	35.97	155.40	36.30	155.40	36.60	155.40	37.53
	11	9.8	161.10	34.74	161.10	35.37	161.10	36.30	161.10	36.60	161.10	37.23	161.10	37.83
	13	11.8	167.34	35.04	167.34	35.97	167.34	36.60	167.34	37.23	167.34	37.53	167.34	38.16
	15	13.7	172.80	35.67	172.50	36.30	172.50	36.90	172.50	37.53	172.50	37.83	169.80	37.83
120	19	14.2	172.80	36.00	172.50	36.66	172.50	37.26	172.50	37.86	172.50	38.19	169.80	37.08
	21	15	172.80	36.27	172.50	37.02	172.50	37.62	172.50	38.07	172.50	37.59	169.80	36.69
	-14.7	-15	87.90	25.83	87.90	27.15	87.90	28.44	87.90	29.10	87.90	29.73	87.90	31.02
	-12.6	-13	93.60	27.21	93.60	28.41	93.60	29.64	93.60	30.27	93.60	30.90	93.60	32.25
	-10.5	-11	99.60	28.41	99.60	29.55	99.60	30.72	99.60	31.32	99.60	31.95	99.60	33.18
	-9.5	-10	102.90	28.98	102.90	30.09	102.90	31.32	102.90	31.65	102.90	32.25	102.90	33.51
	-8.5	-9.1	105.30	29.43	105.30	30.51	105.30	31.65	105.30	32.25	105.30	32.88	105.30	33.81
	-7	-7.6	109.50	30.18	109.50	31.32	109.50	32.25	109.50	32.88	109.50	33.30	109.50	34.44
	-5	-5.6	115.50	31.02	115.50	31.95	115.50	33.18	115.50	33.51	115.50	34.20	115.50	35.04
	-3	-3.7	121.20	31.95	121.20	32.88	121.20	33.81	121.20	34.11	121.20	34.80	121.20	35.67
	0	-0.7	130.20	32.88	130.20	33.81	130.20	34.74	130.20	35.04	130.20	35.67	130.20	36.60
	3	2.2	138.60	33.81	138.60	34.74	138.60	35.67	138.60	35.97	138.60	36.30	138.60	37.23
	5	4.1	144.30	34.44	144.30	35.04	144.30	35.97	144.30	36.30	144.30	36.90	144.30	37.53
	8.3	6.1	150.00	34.74	150.00	35.67	150.00	36.60	150.00	36.90	150.00	37.23	150.00	38.16
	9	7.9	155.40	35.37	155.40	35.97	155.40	36.90	155.40	37.23	155.40	37.53	155.40	38.46
	11	9.8	161.10	35.67	161.10	36.60	161.10	37.23	161.10	37.53	161.10	37.83	156.90	37.23
	13	11.8	167.34	36.30	167.34	36.90	167.34	37.53	167.34	37.83	167.34	38.46	156.90	35.97
110	15	13.7	172.50	36.60	172.50	37.23	172.50	37.83	172.50	38.16	168.30	37.53	156.90	34.44
	19	14.2	172.50	36.90	172.50	37.53	172.50	37.89	172.50	37.80	168.30	36.90	156.90	33.60
	21	15	172.50	37.29	172.50	37.83	172.50	38.10	172.50	37.50	168.30	35.76	156.90	33.00
	-14.7	-15	87.90	27.72	87.90	28.95	87.90	30.09	87.90	30.72	87.90	31.32	87.90	32.58
	-12.6	-13	93.60	29.01	93.60	30.12	93.60	31.32	93.60	31.95	93.60	32.25	93.60	33.51
	-10.5	-11	99.60	30.09	99.60	31.02	99.60	32.25	99.60	32.88	99.60	33.18	99.60	34.44
	-9.5	-10	102.90	30.60	102.90	31.65	102.90	32.58	102.90	33.30	102.90	33.81	102.90	34.74
	-8.5	-9.1	105.30	31.02	105.30	31.95	105.30	33.18	105.30	33.60	105.30	34.11	105.30	35.04
	-7	-7.6	109.50	31.65	109.50	32.58	109.50	33.51	109.50	34.20	109.50	34.74	109.50	35.67
	-5	-5.6	115.50	32.58	115.50	33.51	115.50	34.44	115.50	34.80	115.50	35.37	115.50	36.30
	-3	-3.7	121.20	33.18	121.20	34.11	121.20	35.04	121.20	35.40	121.20	35.97	121.20	36.60
	0	-0.7	130.20	34.11	130.20	35.04	130.20	35.97	130.20	36.30	130.20	36.60	130.20	37.53
	3	2.2	138.60	35.04	138.60	35.97	138.60	36.60	138.60	36.90	138.60	37.53	138.60	38.16
	5	4.1	144.30	35.67	144.30	36.30	144.30	36.90	144.30	37.53	144.30	37.83	143.70	38.16
	8.3	6.1	150.00	35.97	150.00	36.60	150.00	37.53	150.00	37.83	150.00	38.16	143.70	36.60
	9	7.9	155.40	36.60	155.40	37.23	155.40	37.83	155.40	38.16	154.20	38.16	143.70	35.04
	11	9.8	161.10	36.90	161.10	37.53	161.10	38.16	159.60	38.16	154.20	36.60	143.70	33.81
	13	11.8	167.34	37.23	167.34	37.83	165.00	37.83	159.60	36.60	154.20	35.04	143.70	32.58
	15	13.7	172.80	37.53	172.80	38.16	165.00	36.60	159.60	35.37	154.20	33.81	143.70	31.32
	19	14.2	172.80	35.07	172.80	37.80	165.00	35.40	159.60	33.93	154.20	32.67	143.70	30.30
	21	15	172.80	35.37	172.80	36.69	165.00	33.51	159.60	32.91	154.20	31.77	143.70	29.85

To be continued

Continued

YCVI350HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-14.7	-15	87.90	29.64	87.90	30.75	87.90	31.95	87.90	32.25	87.90	32.88	87.90	34.11
	-12.6	-13	93.60	30.81	93.60	31.95	93.60	32.88	93.60	33.18	93.60	33.81	93.60	34.74
	-10.5	-11	99.60	31.95	99.60	32.88	99.60	33.81	99.60	34.11	99.60	34.74	99.60	35.67
	-9.5	-10	102.90	32.25	102.90	33.18	102.90	34.11	102.90	34.74	102.90	35.04	102.90	35.97
	-8.5	-9.1	105.30	32.58	105.30	33.51	105.30	34.44	105.30	35.04	105.30	35.37	105.30	36.30
	-7	-7.6	109.50	33.18	109.50	34.11	109.50	35.04	109.50	35.37	109.50	35.97	109.50	36.90
	-5	-5.6	115.50	34.11	115.50	34.74	115.50	35.67	115.50	35.97	115.50	36.60	115.50	37.23
	-3	-3.7	121.20	34.74	121.20	35.37	121.20	36.30	121.20	36.60	121.20	36.90	121.20	37.83
	0	-0.7	130.20	35.67	130.20	36.30	130.20	36.90	130.20	37.53	130.20	37.83	130.20	38.46
	3	2.2	138.60	36.30	138.60	36.90	138.60	37.83	138.60	38.16	138.60	38.46	130.80	35.97
	5	4.1	144.30	36.60	144.30	37.53	144.30	38.16	144.30	38.46	144.30	37.23	130.80	34.44
	8.3	6.1	150.00	37.23	150.00	37.83	150.00	40.50	145.20	36.90	140.40	35.67	130.80	32.88
	9	7.9	155.40	37.53	155.40	38.16	150.00	36.90	145.20	35.67	140.40	34.11	130.80	31.65
	11	9.8	161.10	37.83	159.60	38.16	150.00	35.37	145.20	34.11	140.40	32.88	130.80	30.42
	13	11.8	167.34	38.16	159.60	36.60	150.00	34.11	145.20	32.88	140.40	31.65	130.80	29.28
90	15	13.7	169.20	37.53	159.60	35.37	150.00	32.88	145.20	31.65	140.40	30.51	130.80	28.26
	19	14.2	169.20	36.54	159.60	34.14	150.00	32.07	145.20	30.33	140.40	29.34	130.80	27.51
	21	15	169.20	35.37	159.60	32.67	150.00	30.84	145.20	29.85	140.40	28.47	130.80	26.88
	-14.7	-15	87.90	31.65	87.90	32.58	87.90	33.51	87.90	34.11	87.90	34.44	87.90	35.37
	-12.6	-13	93.60	32.58	93.60	33.51	93.60	34.44	93.60	34.74	93.60	35.37	93.60	36.30
	-10.5	-11	99.60	33.51	99.60	34.44	99.60	35.37	99.60	35.67	99.60	35.97	99.60	36.90
	-9.5	-10	102.90	33.81	102.90	34.74	102.90	35.67	102.90	35.97	102.90	36.30	102.90	37.23
	-8.5	-9.1	105.30	34.11	105.30	35.04	105.30	35.97	105.30	36.30	105.30	36.60	105.30	37.53
	-7	-7.6	109.50	34.74	109.50	35.67	109.50	36.30	109.50	36.90	109.50	37.23	109.50	37.83
	-5	-5.6	115.50	35.37	115.50	36.30	115.50	36.90	115.50	37.23	115.50	37.83	115.50	38.46
	-3	-3.7	121.20	35.97	121.20	36.90	121.20	37.53	121.20	37.83	121.20	38.16	117.60	36.90
	0	-0.7	130.20	36.90	130.20	37.53	130.20	38.16	130.20	38.46	126.30	36.90	117.60	34.11
	3	2.2	138.60	37.53	138.60	38.16	135.00	37.23	130.50	35.97	126.30	34.44	117.60	31.95
	5	4.1	144.30	37.83	143.40	38.16	135.00	35.67	130.50	34.44	126.30	32.88	117.60	30.51
	8.3	6.1	150.00	38.16	143.40	36.60	135.00	34.11	130.50	32.88	126.30	31.65	117.60	29.31
80	9	7.9	152.40	37.53	143.40	35.04	135.00	32.88	130.50	31.65	126.30	30.45	117.60	28.20
	11	9.8	152.40	35.97	143.40	33.81	135.00	31.65	130.50	30.39	126.30	29.31	117.60	27.18
	13	11.8	152.40	34.74	143.40	32.58	135.00	30.30	130.50	29.25	126.30	28.23	117.60	26.19
	15	13.7	152.40	33.51	143.40	31.32	135.00	29.25	130.50	28.26	126.30	27.27	117.60	25.29
	19	14.2	152.40	32.67	143.40	30.45	135.00	28.32	130.50	27.42	126.30	26.28	117.60	24.36
	21	15	152.40	31.47	143.40	29.31	135.00	27.81	130.50	26.52	126.30	25.35	117.60	23.37
	-14.7	-15	87.90	33.51	87.90	34.44	87.90	35.37	87.90	35.67	87.90	35.97	87.90	36.90
	-12.6	-13	93.60	34.44	93.60	35.04	93.60	35.97	93.60	36.30	93.60	36.90	93.60	37.53
	-10.5	-11	99.60	35.04	99.60	35.97	99.60	36.60	99.60	37.23	99.60	37.53	99.60	38.16
	-9.5	-10	102.90	35.67	102.90	36.30	102.90	36.90	102.90	37.53	102.90	37.83	102.90	38.46
	-8.5	-9.1	105.30	35.97	105.30	36.60	105.30	37.23	105.30	37.83	105.30	38.16	104.40	37.83
	-7	-7.6	109.50	36.30	109.50	36.90	109.50	37.83	109.50	38.16	109.50	38.46	104.40	35.97
	-5	-5.6	115.50	36.90	115.50	37.53	115.50	38.16	115.80	38.46	112.20	36.90	104.40	34.11
	-3	-3.7	121.20	37.53	121.20	38.16	120.00	37.83	115.80	36.30	112.20	35.04	104.40	32.25
	0	-0.7	130.20	38.16	127.50	37.53	120.00	35.04	115.80	33.81	112.20	32.25	104.40	29.97
	3	2.2	135.30	37.23	127.50	35.04	120.00	32.58	115.80	31.32	112.20	30.27	104.40	28.05
	5	4.1	135.30	35.67	127.50	33.51	120.00	31.32	115.80	30.09	112.20	29.01	104.40	26.88
	8.3	6.1	135.30	34.11	127.50	31.95	120.00	29.94	115.80	28.92	112.20	27.87	104.40	25.86
	9	7.9	135.30	32.88	127.50	30.81	120.00	28.77	115.80	27.78	112.20	26.82	104.40	24.90
	11	9.8	135.30	31.65	127.50	29.64	120.00	27.72	115.80	26.79	112.20	25.86	104.40	24.00
	13	11.8	135.30	30.42	127.50	28.53	120.00	26.70	115.80	25.80	112.20	24.90	104.40	23.16
	15	13.7	135.30	29.37	127.50	27.30	120.00	25.80	115.80	24.93	112.20	24.09	104.40	22.41
	19	14.2	135.30	28.35	127.50	26.82	120.00	24.78	115.80	24.00	112.20	23.07	104.40	21.87
	21	15	135.30	27.54	127.50	25.65	120.00	24.12	115.80	23.25	112.20	22.29	104.40	20.70

To be continued

Continued

YCVI350HR														
Capacity Factor (%)	Outdoor Temp.		Heating Capacity											
			Indoor Temp. (°C DB)											
			16		18		20		21.1		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70	-14.7	-15	87.90	35.37	87.90	36.30	87.90	36.90	87.90	37.23	87.90	37.53	87.90	38.46
	-12.6	-13	93.60	36.30	93.60	36.90	93.60	37.53	93.60	37.83	93.60	38.46	91.50	36.90
	-10.5	-11	99.60	36.90	99.60	37.53	99.60	38.16	99.60	38.46	98.10	37.23	91.50	34.44
	-9.5	-10	102.90	37.23	102.90	37.83	102.90	38.46	101.40	37.53	98.10	35.97	91.50	33.18
	-8.5	-9.1	105.30	37.53	105.30	38.16	105.00	37.83	101.40	36.60	98.10	35.04	91.50	32.58
	-7	-7.6	109.50	37.83	109.50	38.46	105.00	36.30	101.40	34.74	98.10	33.51	91.50	31.02
	-5	-5.6	115.50	38.46	111.60	36.60	105.00	34.11	101.40	32.88	98.10	31.65	91.50	29.37
	-3	-3.7	118.20	37.23	111.60	34.74	105.00	32.58	101.40	31.32	98.10	30.18	91.50	27.96
	0	-0.7	118.20	34.44	111.60	32.25	105.00	30.12	101.40	29.07	98.10	28.02	91.50	25.98
	3	2.2	118.20	32.25	111.60	30.12	105.00	28.14	101.40	27.18	98.10	26.25	91.50	24.36
	5	4.1	118.20	30.78	111.60	28.89	105.00	27.03	101.40	26.07	98.10	25.20	91.50	23.43
	8.3	6.1	118.20	29.52	111.60	27.72	105.00	25.95	101.40	25.08	98.10	24.21	91.50	22.56
	9	7.9	118.20	28.41	111.60	26.67	105.00	24.99	101.40	24.15	98.10	23.37	91.50	21.75
	11	9.8	118.20	27.36	111.60	25.71	105.00	24.12	101.40	23.31	98.10	22.35	91.50	21.00
60	13	11.8	118.20	26.37	111.60	24.78	105.00	23.25	101.40	22.53	98.10	21.75	91.50	20.28
	15	13.7	118.20	25.47	111.60	23.97	105.00	22.53	101.40	21.78	98.10	21.06	91.50	19.65
	19	14.2	118.20	24.18	111.60	23.31	105.00	21.90	101.40	20.76	98.10	19.86	91.50	18.84
	21	15	118.20	23.31	111.60	22.17	105.00	20.91	101.40	19.80	98.10	18.87	91.50	17.82
	-14.7	-15	87.90	37.23	87.90	37.83	87.90	38.46	87.00	37.23	84.30	35.97	78.30	33.18
	-12.6	-13	93.60	37.83	93.60	38.46	90.00	35.97	87.00	34.74	84.30	33.51	78.30	30.96
	-10.5	-11	99.60	38.46	95.40	36.30	90.00	33.81	87.00	32.58	84.30	31.32	78.30	29.04
	-9.5	-10	101.40	37.53	95.40	35.04	90.00	32.88	87.00	31.65	84.30	30.42	78.30	28.17
	-8.5	-9.1	101.40	36.60	95.40	34.11	90.00	31.95	87.00	30.75	84.30	29.61	78.30	27.45
	-7	-7.6	101.40	34.74	95.40	32.58	90.00	30.48	87.00	29.40	84.30	28.38	78.30	26.31
	-5	-5.6	101.40	32.88	95.40	30.87	90.00	28.86	87.00	27.84	84.30	26.85	78.30	24.93
	-3	-3.7	101.40	31.32	95.40	29.34	90.00	27.45	87.00	26.52	84.30	25.59	78.30	23.79
	0	-0.7	101.40	29.04	95.40	27.27	90.00	25.53	87.00	24.69	84.30	23.85	78.30	22.17
	3	2.2	101.40	27.18	95.40	25.53	90.00	23.94	87.00	23.16	84.30	22.38	78.30	20.88
50	5	4.1	101.40	26.07	95.40	24.54	90.00	23.01	87.00	22.26	84.30	21.54	78.30	20.07
	8.3	6.1	101.40	25.05	95.40	23.61	90.00	22.17	87.00	21.45	84.30	20.76	78.30	19.35
	9	7.9	101.40	24.15	95.40	22.77	90.00	21.36	87.00	20.73	84.30	20.04	78.30	18.69
	11	9.8	101.40	23.31	95.40	21.96	90.00	20.67	87.00	20.01	84.30	19.35	78.30	18.12
	13	11.8	101.40	22.50	95.40	21.21	90.00	19.95	87.00	19.32	84.30	18.72	78.30	17.52
	15	13.7	101.40	21.78	95.40	20.52	90.00	19.32	87.00	18.72	84.30	18.15	78.30	17.01
	19	14.2	101.40	21.15	95.40	19.53	90.00	18.75	87.00	18.15	84.30	17.46	78.30	16.26
	21	15	101.40	20.28	95.40	18.99	90.00	17.94	87.00	17.55	84.30	16.89	78.30	15.63
	-14.7	-15	84.60	35.97	79.50	33.81	75.00	31.65	72.60	30.45	70.20	29.34	65.10	27.21
	-12.6	-13	84.60	33.81	79.50	31.65	75.00	29.46	72.60	28.47	70.20	27.45	65.10	25.47
	-10.5	-11	84.60	31.65	79.50	29.58	75.00	27.66	72.60	26.73	70.20	25.80	65.10	23.97
	-9.5	-10	84.60	30.57	79.50	28.68	75.00	26.85	72.60	25.95	70.20	25.05	65.10	23.28
	-8.5	-9.1	84.60	29.79	79.50	27.96	75.00	26.19	72.60	25.29	70.20	24.42	65.10	22.71
	-7	-7.6	84.60	28.53	79.50	26.79	75.00	25.08	72.60	24.24	70.20	23.46	65.10	21.84
	-5	-5.6	84.60	27.03	79.50	25.41	75.00	23.82	72.60	23.04	70.20	22.26	65.10	20.76
	-3	-3.7	84.60	25.74	79.50	24.21	75.00	22.74	72.60	21.99	70.20	21.27	65.10	19.86
	0	-0.7	84.60	23.97	79.50	22.59	75.00	21.21	72.60	20.55	70.20	19.89	65.10	18.57
	3	2.2	84.60	22.50	79.50	21.21	75.00	19.98	72.60	19.35	70.20	18.72	65.10	17.52
	5	4.1	84.60	21.66	79.50	20.43	75.00	19.23	72.60	18.63	70.20	18.27	65.10	16.89
	8.3	6.1	84.60	20.85	79.50	19.71	75.00	18.54	72.60	18.00	70.20	17.43	65.10	16.35
	9	7.9	84.60	20.13	79.50	19.02	75.00	17.94	72.60	17.40	70.20	16.86	65.10	15.81
	11	9.8	84.60	19.44	79.50	18.39	75.00	17.37	72.60	16.83	70.20	16.35	65.10	15.33
	13	11.8	84.60	18.84	79.50	17.79	75.00	16.80	72.60	16.32	70.20	15.81	65.10	14.85
	15	13.7	84.60	18.24	79.50	17.28	75.00	16.32	72.60	15.84	70.20	15.36	65.10	14.46
	19	14.2	84.60	17.67	79.50	16.59	75.00	15.75	72.60	15.15	70.20	14.82	65.10	13.83
	21	15	84.60	16.50	79.50	16.14	75.00	15.33	72.60	14.49	70.20	14.25	65.10	13.26
TC: total capacity, kW														
PI: power input, kW (compressor+outdoor motor)														

Capacity table

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6.1 Failure code

Failure code description: (failure code of the whole system is showed as 8 bits, so totally 256 codes. Indoor failure code should be judged by the table and the unit number)

Outdoor failure code exists in EEPROM, in which 5 failure codes can be kept.

Indoor failure code exists in EEPROM, in which 5 failure codes can be kept.

Clear failure code by indoor or outdoor.

Failure codes are distributed as follows:

0~19: indoor failure code

20~99: outdoor failure code

100~109: DC motor failure code

110~125: inverter module failure code

126~127: software auto-check failure code

Physical master unit:

Dip switches SW9, SW10, SW11 are at 0, 0, 0, LD displays failure code 20~127, it is the master failure code.

Dip switches SW9, SW10, SW11 are 1, 0, 0, LD displays failure code 20~127, it is failure code of No. 1 slave unit.

Dip switches SW9, SW10, SW11 are 2, 0, 0, LD displays failure code 20~127, it is failure code of No. 2 slave unit.

Physical slave unit:

Dip switches SW9, SW10, SW11 are at 0, 0, 0, LD displays failure code 20~127, it is single slave unit failure code.

Outdoor failure code display principle on wired controller:

When outdoor compressor is running, indoor wired controller will display the failure code of outdoor with higher priority. When compressor stops, it displays all indoor failures. The indoor failures will be classified as below: sensor failure, inverter board failure, fan motor driving board failure, any protections etc.

Inverter outdoor unit failure code indication on master unit

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
20-0	14	Defrosting temp. sensor Tdef1 failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, sensor has no alarm when abnormal in cooling mode.	Resumable
20-1	14	Defrosting temp. sensor Tdef2 failure		

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
21	15	Ambient temp. sensor Tao failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds.	Resumable
22-0	16	Suction temp. sensor Tsi failure		
22-1	16	Suction temp. sensor Tsacc failure		
23-0	17	Discharging temp. sensor Tdi failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds. If Tao $\leq$ 0℃, no need to detect the open circuit failure (AD value is below 11.)	Resumable
23-1	17	Discharging temp. sensor Td1 failure		
23-2	17	Outdoor unit high temp. gas pipe temp. sensor Tdp failure		
24-0	18	Oil temp. sensor Toilp failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm. If Tao<0℃, there is no open circuit alarm. If Tao $\geq$ 0℃ and ET $\geq$ 0℃, no open circuit alarm within 5 minutes.	Resumable
24-1	18	Oil temp. sensor Toili failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm. If Tao<0℃ or not normal running, no open circuit alarm.	
25-0	19	Heat exchanger inlet temp. Toci1 failure	AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, sensor has no alarm when abnormal in cooling mode.	Resumable
25-1	19	Heat exchanger inlet temp.Toci2 failure		

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
26-0	1A	Outdoor unit and indoor unit communication failure	Not finding connected indoor units for continuous 200 cycles	Resumable
26-1	1A		The searched indoor unit quantity is less than the set quantity for continuous 270 seconds	
26-2	1A		The searched indoor unit quantity is more than the set quantity for continuous 170 seconds	
26-3	1A		The searched valve box BS quantity is less than set quantity for continuous 5 minutes	
26-4	1A		The searched valve box BS quantity is more than set quantity for continuous 5 minutes	
27	1B	Oil temp. too high protection (Toili)	Toili $\geq 120^{\circ}\text{C}$ (E) at interval 25msec, continuous 2sec, and over the set value, then stop and alarm. The oil temp. 10°C lower than the alarm condition for 3 minutes after stop. If it occurs 4 times in an hour, confirm the failure. (the same as Td too high protection.)	Once confirmed, un-resumable
28	1C	High pressure sensor Pd failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm.	Resumable
29	1D	Low pressure sensor Ps failure		
30-0	1E	High pressure switch HPSi failure	When power on, the confirmation of OFF for continuous 2sec, alarm. If it occurs 4 times in an hour, confirm the failure.	Once confirmed, un-resumable
30-1	1E	High pressure switch HPS1 failure		
32-0	20	Heat exchanger outlet temp. Tsc0 failure	If AD value is below 11 (open circuit) or over 1012 (short circuit) for 60 seconds, alarm, sensor has no alarm when abnormal in heating mode.	Resumable
32-1	20	Liquid pipe SC temp. of subcooler Tliq failure		

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
33-0	21	EEPROM (AT24C04) failure	EEPROM communication failure	Un-resumable
33-1			EEPROM data check failure(model code, check, etc.)	
33-2			EEPROM data logistic failure(data beyond limit, reverse sequence, etc.)	
34-0	22	Discharging temp. too high protection (Tdi)	Tdi / Td1≥130℃ (E) at interval 25msec, continuous 2sec, and over the set value, then stop and alarm. The oil temp. 10℃ lower than the alarm condition for 3 minutes after stop, then resume automatically. If it occurs 4 times in an hour, confirm the failure.	Once confirmed, un-resumable
34-1	22	Discharging temp. too high protection (Td1)		
35-0	23	4-way valve reversing failure	After the 4-way valve is electrified for 3 minunts, if the below conditions can be met for continuous 10 seconds, that is conversing successfully: └ This outdoor unit compressor is running normally └ Tdp — Tdef1≥10℃ └ Tdp — Tdef2≥10℃ └ Pd — Ps≥ β Mpa ※Otherwise, stop protection. (Tao > -10℃, β =0.60; Tao≤-10℃, β =0.40) *4-way valve OFF starts up again after 3 minutes *If Thermo. OFF for 2 continuous times, Error stop.	Once confirmed, un-resumable
35-1	23	4-way valve reversing failure	If there is 4-way valve of submachine not electrified after host heating detection starts up for 20 min, alarm 35-1 failure.	
36	24	Oil temp. too low protection (Toili)	In normal operation (exclude start up, defrosting, oil return, remain, stop), if Toil < CT+10℃ for continuous 5 minutes, the unit stops for 170 seconds and then resumes automatically. If it occurs 3 time in an hour, lock the alarm. *The same as Td too low protection	Once confirmed, un-resumable
37-0	25	Lack of phase of 3N power supply or wrong phase sequence	S phase lack	Un-resumable
37-1			T phase lack	
37-2			S phase & T phase normal, but wrong phase sequence	

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
38	26	High pressure sensor Pd too low protection	Not applicable for this mode	Once confirmed, un-resumable
39-0	27	Low pressure sensor Ps too low protection	After compressor is running(except for residual operation), if in cooling, $P_s < 0.10\text{MPa}$; in heating, $P_s < 0.05\text{MPa}$, in oil return, $P_s < 0.03\text{MPa}$ for continuous 5 minutes, stop and alarm. 170 seconds later, resume automatically. If it occurs 3 times in an hour, confirm the failure.	Once confirmed, un-resumable
39-1	27	Compressor ratio ϵ too high protection	After compressor is running, compression ratio $\epsilon > 8.0$ for continuous 5 minute, then stop and alarm. If in cooling, compression ratio $\epsilon > 9.0$ for continuous 1 minute or in heating, compression ratio $\epsilon > 8.5$ for continuous 1 minute or in heating, stop and alarm. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	
39-2	27	Compressor ratio ϵ too low protection	In normal operation (exclude start up, defrosting, oil return, remain, stop), if compression ratio $\epsilon < 1.8$ for continuous 5 minutes, then stop and alarm. Or $\epsilon < 1.5$ for continuous 1 minute, then stop and alarm. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	
40	28	High pressure sensor Pd too high protection	After compressor is running, if continuous 2 sec $P_d \geq 4.15\text{MPa}$, stop and alarm. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure. (Like high pressure switch alarm)	Once confirmed, un-resumable
43-0	2B	Discharging temp. sensor Tdi too low protection	After 10 minutes for normal operation (exclude start up, defrosting, oil return, remain, stop), if $T_d < CT+10^\circ\text{C}$ for continuous 5 minutes, stop and alarm. If it occurs 3 times in an hour, lock the alarm.	Once confirmed, un-resumable
43-1	2B	Discharging temp. sensor Td1 too low protection		

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
44	2C	Low pressure sensor Ps too high protection	Not applicable for this mode	Once confirmed, un-resumable
45	2D	Communication failure among outdoor units	No communication within 30 seconds continuously (E)	Resumable
46	2E	Communication with INV board failure	No communication within 30 seconds continuously (E)	
53-0	35	Current detector CT failure	Detect before starting up, show incorrect voltage of sensor, stop for 3 minutes, resume to be normal automatically	Resumable
64-0	40	Current detector CT over current failure	Current of fixed compressor at interval 25msec exceed the current limit for 2 times and then stop. Stop for 3 minutes, then resume to be normal automatically. If it occurs 4 times in an hour, lock the alarm. * But, in 4 seconds after startup, not detected.	Once confirmed, un-resumable
67	43	Communication with motor driving board failure	Without communication for 4 minutes.	Resumable
71-0	47	Fan 1 locked-rotor (Left)	Running at speed below 20rpm for 30s, or at speed of 70% lower than target for 2 minutes, stop. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	Once confirmed, un-resumable
71-1	47	Fan 2 locked-rotor (Right)		
75-0	4B	No pressure drop between high pressure and low pressure	In 1 minute after INV compressor starts up, Pd-Ps≤0.1MPa, then stop. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	Once confirmed, un-resumable
75-4	4B	Too small pressure drop between high pressure and low pressure	If Pd-Ps≤0.4MPa for 3 minutes, the outdoor unit protection stop. • 5 minutes after stopping protection, restart. • If there are more than 6 times of stopping protecting within 2 hours, Error stop.	Once confirmed, un-resumable

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
76-0	4C	Incorrect outdoor unit quantity, address or capacity setting	Submachine quantity setting are not in conformance with data in EEPROM of the host.	Reset
76-1			Submachine address setting are not in conformance with data in EEPROM of the host.	
76-2			Submachine capacity setting are not in conformance with data in EEPROM of the host.	
77	4D	Oil equalization protection among outdoor units	If ToilpB-ToilpA $\leq$ 10℃ , alarm and stop. Not detecting in the course of startup, defrosting and oil return and in 10 minutes after oil return finishes.170 seconds later, resume automatically. If it occurs 2 times in an hour, lock the failure.	Once confirmed, un-resumable
78-0	4E	Lack of gas alarm in cooling	When cooling compressor runs, Ps<0.1MPa for 30 minutes.	Resumable
78-1	4E	Lack of gas alarm in heating	When heating compressor runs, Ts1-ET>20 & Ts1-ET>20 & LEV open fully for 60 minutes, output the lack of gas alarm signal and not stop.	
80	50	Capacity not match to the outdoor units	In VRF system, the difference of capacity between submachine and host is more than 6HP, confirm the failure.	Un-resumable
100	64	DC fan driving board IPM alarm	DC fan driving board IPM alarm because of over current or too high temp. of modular.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	Once confirmed, un-resumable
101	65	DC fan driving board detecting out of control	DC fan driving board detecting is out of control. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	
102	66	DC fan driving board Eeprom faulty	DC fan driving board Eeprom data is wrong. 170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	
103	67	DC fan driving board over current or current detector damaged	DC fan driving board over current is over 5A, then alarm.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
104	68	Voltage too low protection of DC fan driving board	Voltage of DC fan driving board is lower than 280V, then alarm.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	
105	69	Overvoltage protection of DC fan driving board	Voltage of DC fan driving board is more than 400V, then alarm.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	
106	6A	DC fan driving board locked-rotor	Fan speed can not be detected.170 seconds later, resume automatically. If it occurs 4 times in an hour, confirm the failure.	
107	6B	Over speed protection of DC fan	If it occurs 4 times in an hour, lock the alarm.	
110	6E	IPM modular protection(FO)	IPM modular over current, in short circuit, over heat, voltage too low of control circuit.	If it occurs 4 times in an hour, confirm the failure. Once confirmed, un-resumable.
111	6F	INV compressor out of control	In the course of compressor startup or running, the unit can not detect the rotor position for 6 times, stop for 5s and then the INV control board resumes automatically.	
112	70	Modular radiator temp. too high	If temp. > 94℃ , alarm. If temp.≤94℃ , INV control board resumes automatically.	
113	71	Inverter controller overload	The output current of inverter controller is too high continually.	
114	72	Voltage too low of modular DC	If power voltage < DC420V, alarm. If voltage≥DC420V, INV control board resumes automatically.	
115	73	Voltage too high of modular DC	If power voltage > DC642V, alarm. If voltage≤DC642V, INV control board resumes automatically.	
116	74	Communication with modular abnormal	If communication signal can not be detected for continuous 30 seconds, alarm. After it can be detected, INV control board resumes automatically.	

LED indication on master unit	Indication on wired controller (hex)	Failure code definition	Failure description	Remarks
117	75	Modular software over current	Modular software over current.	
118	76	Modular startup failure	Compressor starts up fail for continuous 5 times.	
119	77	Current detecting circuit abnormal of INV controller	Sensor for detecting current of inverter controller is abnormal. Cannot be connected or wrong connection.	
120	78	Inverter controller power supply abnormal	Power supply of inverter controller stops suddenly.	
121	79	Power supply of inverter controller board is abnormal	Power supply of inverter controller board is broken down instantly.	If it occurs 4 times in an hour, confirm the failure. Once confirmed, un-resumable.
122	7A	Radiator temp. sensor of inverter controller is abnormal.	Resistor of temp. sensor abnormal or temp. sensor disconnected.	
125	7D	Compressor frequency un-match	(Current frequency $\geq$ INV target frequency+3Hz) or (target frequency >0 & actual frequency=0) for continuous 2 minutes	Resumable
127	7F	MCU reset failure	If the host inspects that MCU of submachine is reset, and the submachine is running, the host alarm MCU reset failure, then the whole system stop. In heating mode, when restart up, 4WV will not be electrified, and the whole system will execute 4WV reversing operation again. If it occurs 4 times in one hour, confirm the failure.	Once confirmed, un-resumable.

When there is no failure, if the starting condition can not be met, digital tube on host will display stand-by code:

555.0	Stand-by state of capacity overmatch	When capacity is over 135% or lower than 50%, the system is standby.	Once confirmed, un-resumable.
555.1	Stand-by state of 26°C of heating mode	When it is in heating mode with ambient temp. over 26°C ,the system is standby.	
555.2	Stand-by state of low pressure (lack of gas)	When the unit starts in cooling Ps<0.23MPa or heating Ps<0.12MPa, the system is standby.	
555.3	Stand-by state of 54°C of cooling mode	For high ambient models, the unit can not open if ambient temp. over 54°C in cooling mode, and the digital tube display: "555.3"	

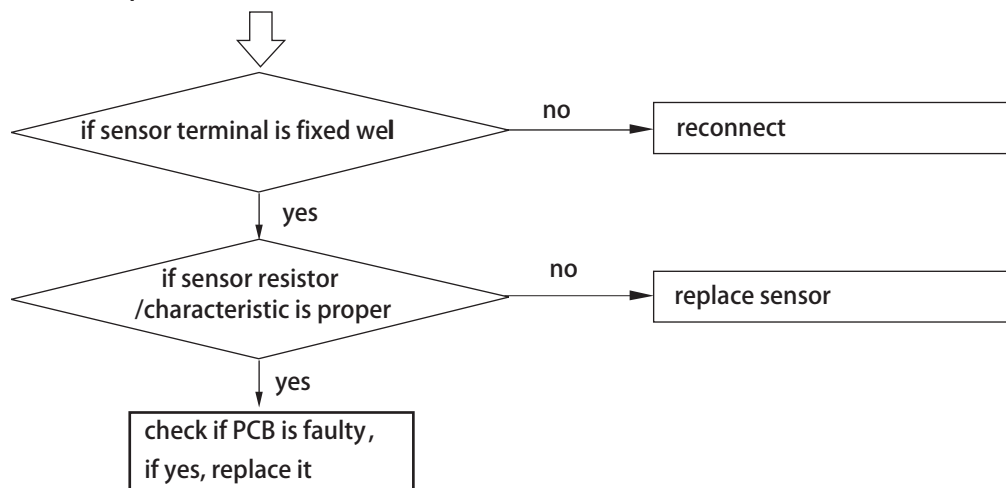
VB device failure code list

Failure code	Failure code definition	Judgment method	Remarks
5	VB device EEPROM date failure		Un-resumable
6	Communication between VB device and outdoor failure	No communication with the outdoor unit for continuous 120 seconds	Resumable
7	Communication between VB device and indoor failure	When detecting the connected indoor units, the indoor unit quantity is zero.	Resumable
9	VB device repeated address		Resumable
20	Outdoor corresponding failure		Resumable

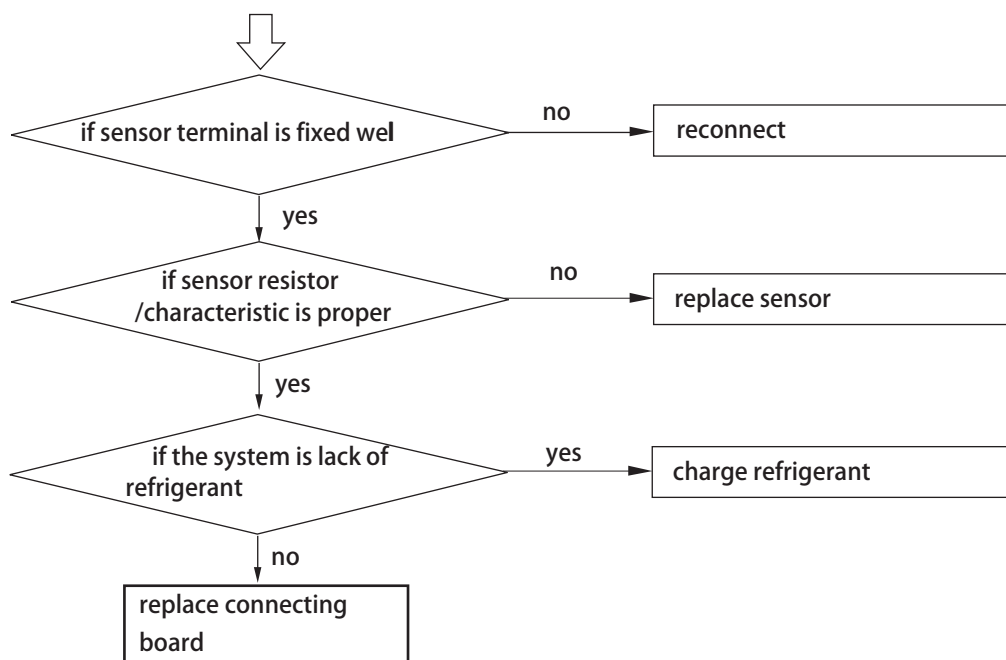
6.2 Failure diagnose

Outdoor failure diagnose

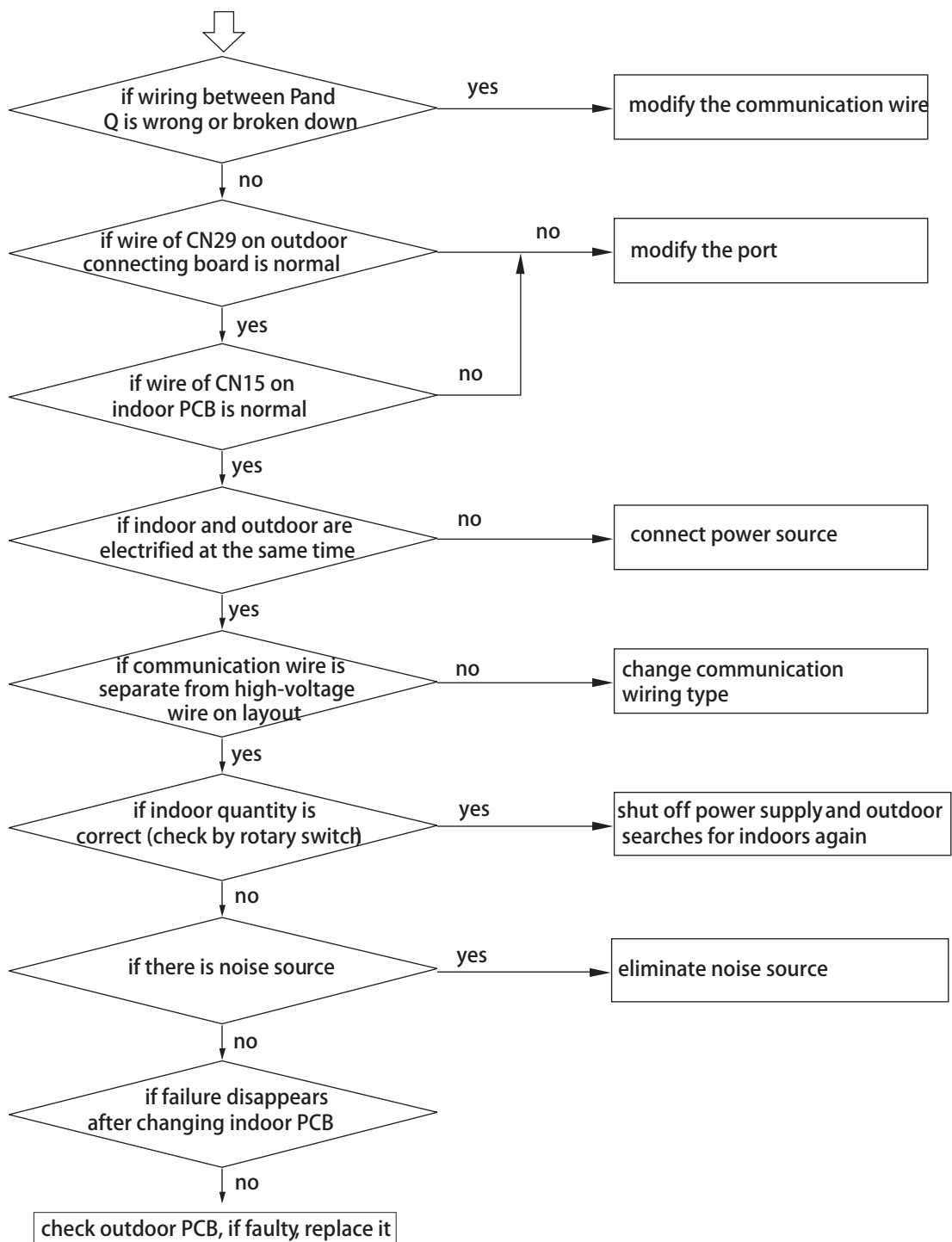
[20~25, 32] temperature sensor failure



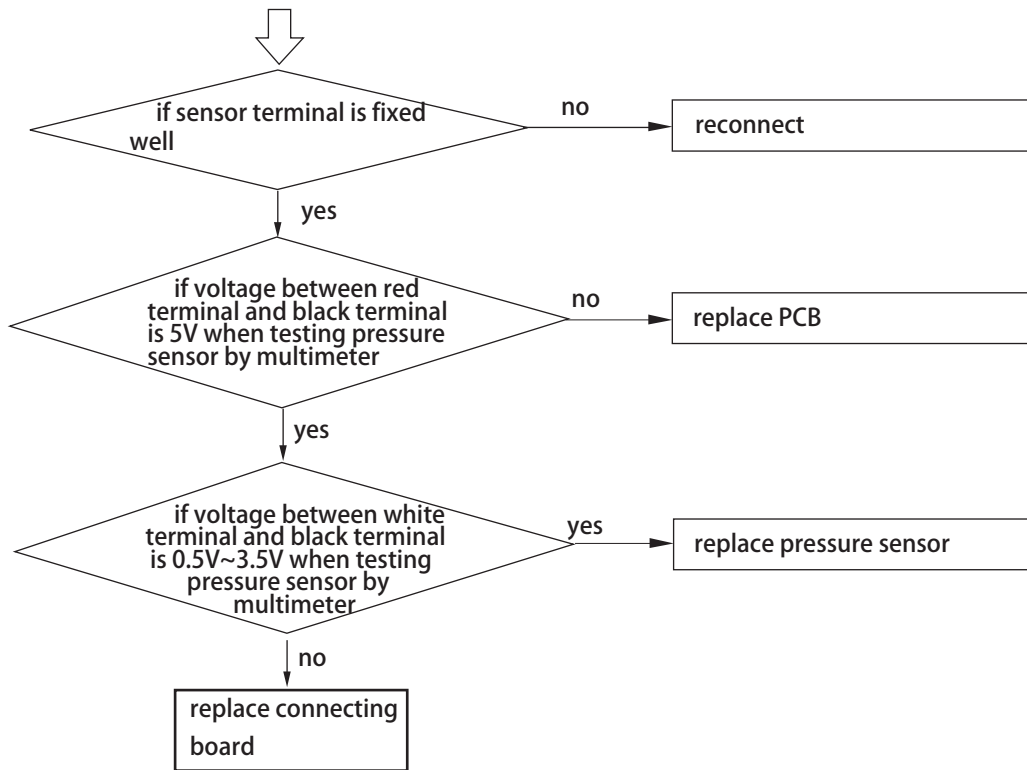
[27] protection of oil temperature too high



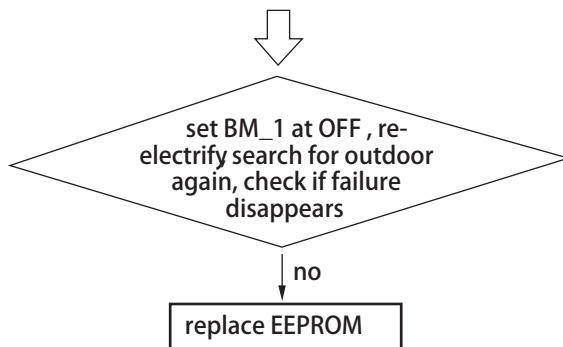
[26]communication circuit between indoor and outdoor



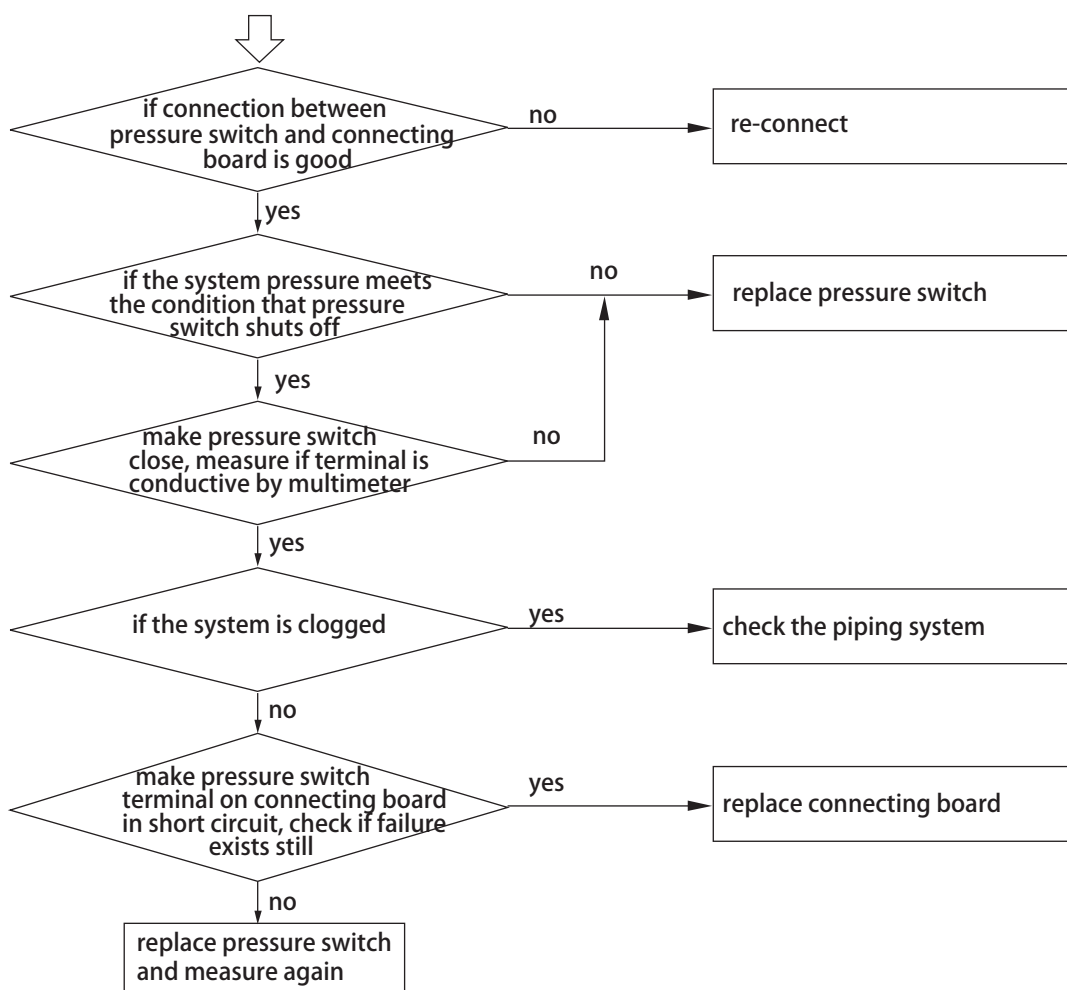
[28, 29] High/low pressure sensor failure



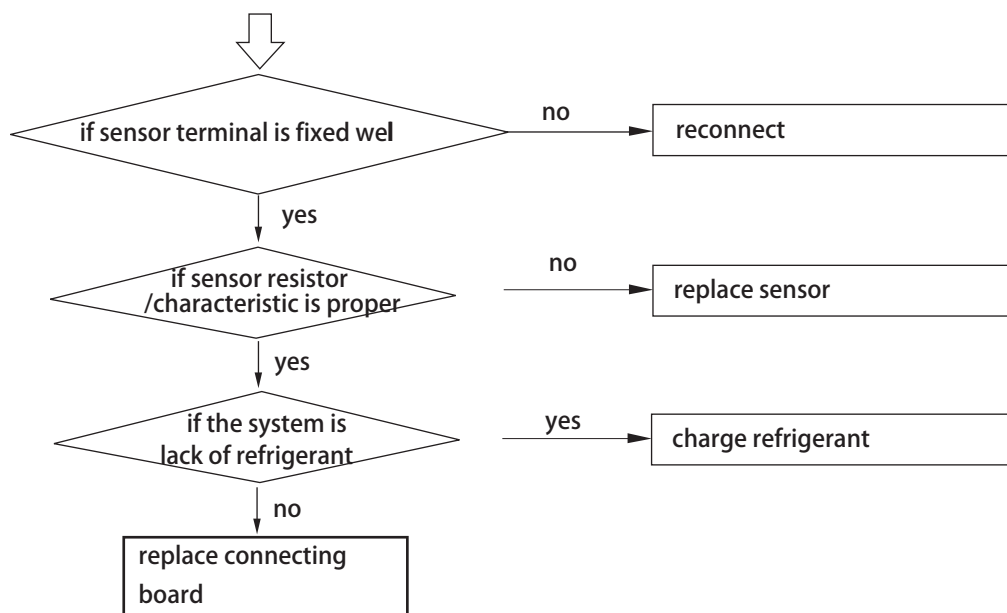
[33] outdoor EEPROM failure



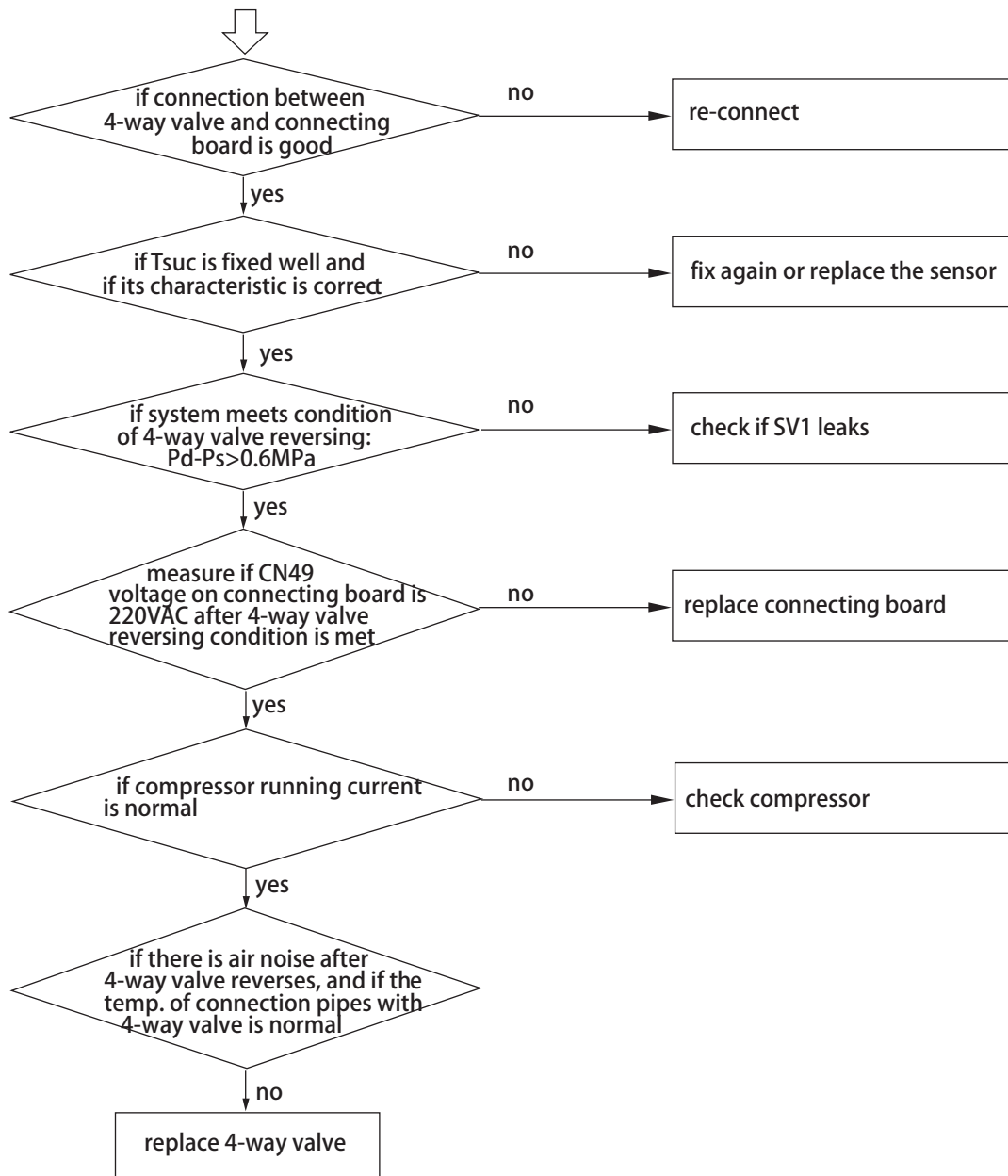
[30-0,30-1,30-2]high pressure switch shut off failure



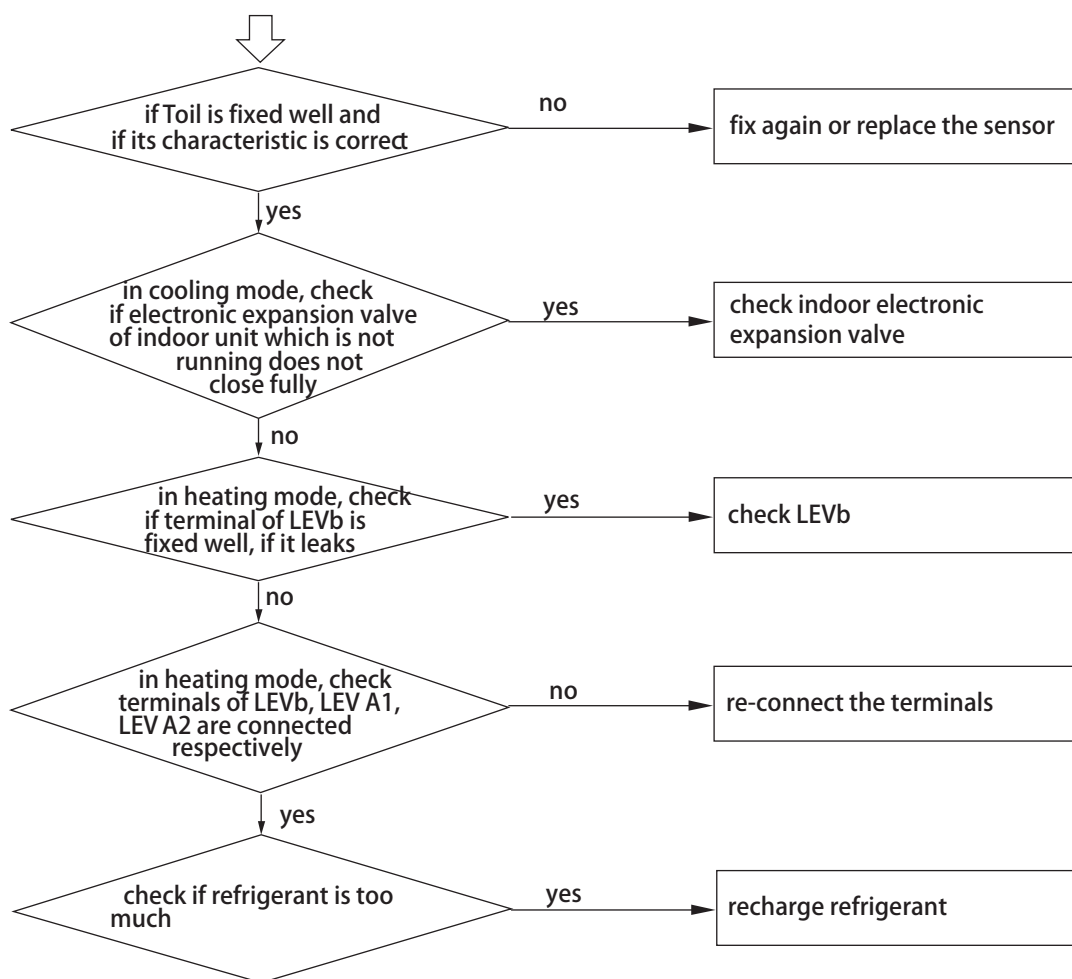
[34] protection of discharging temp. too high



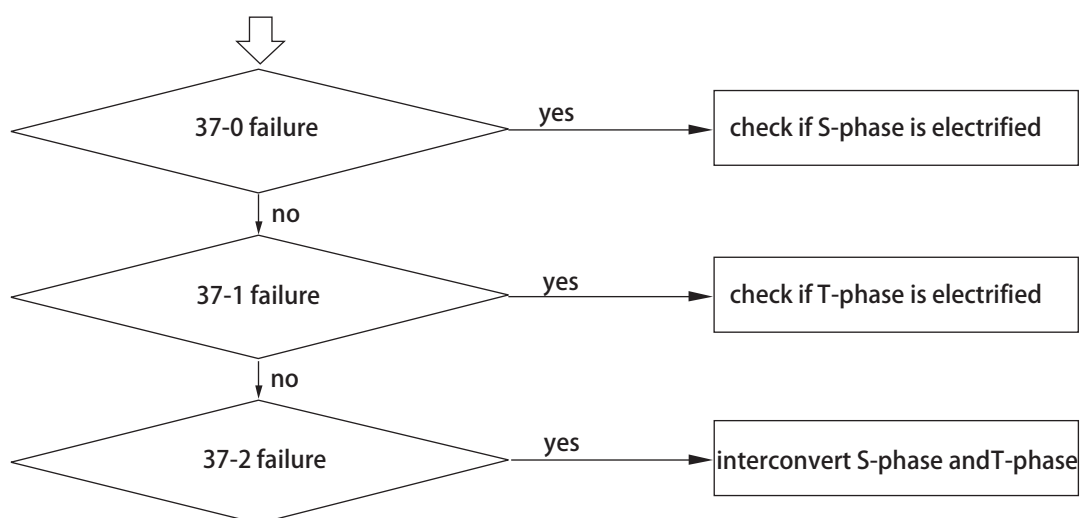
[35] 4-way valve reversing failure



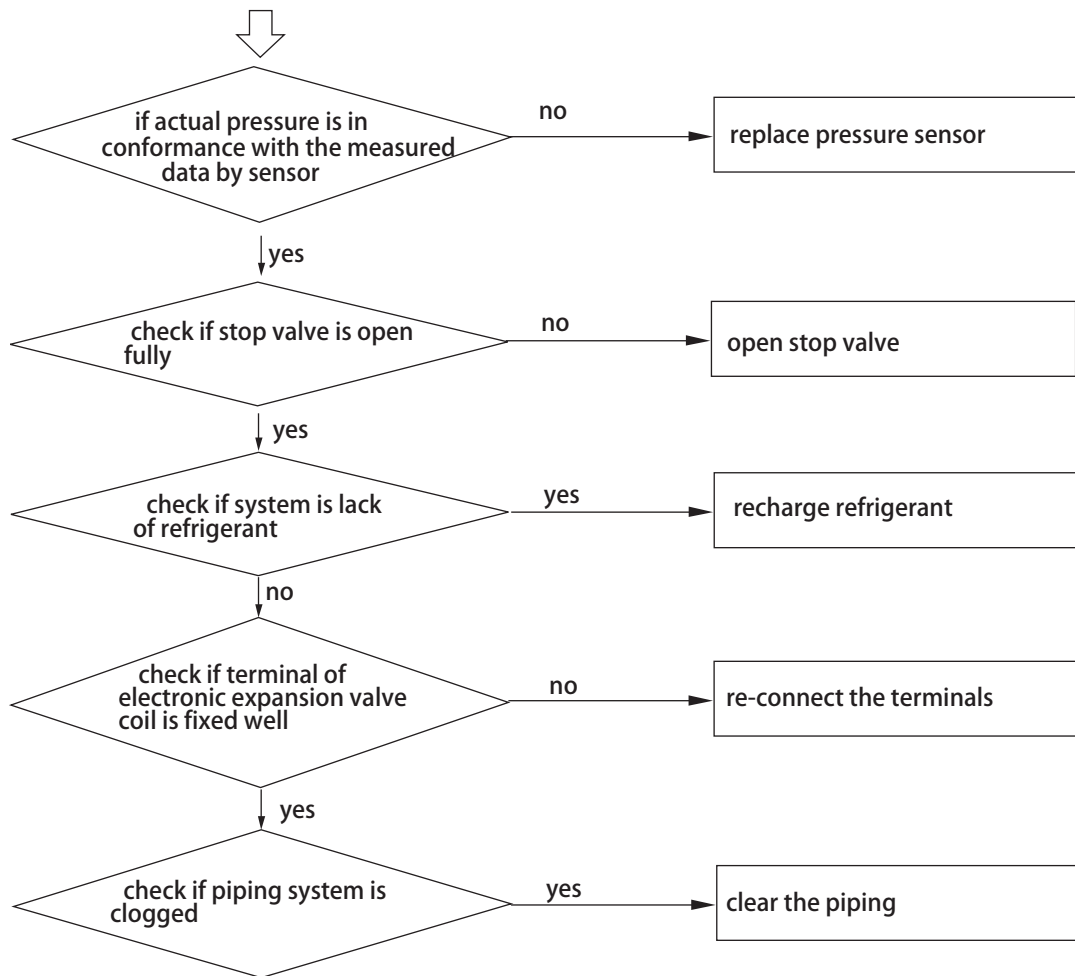
[36] protection of oil temperature too low



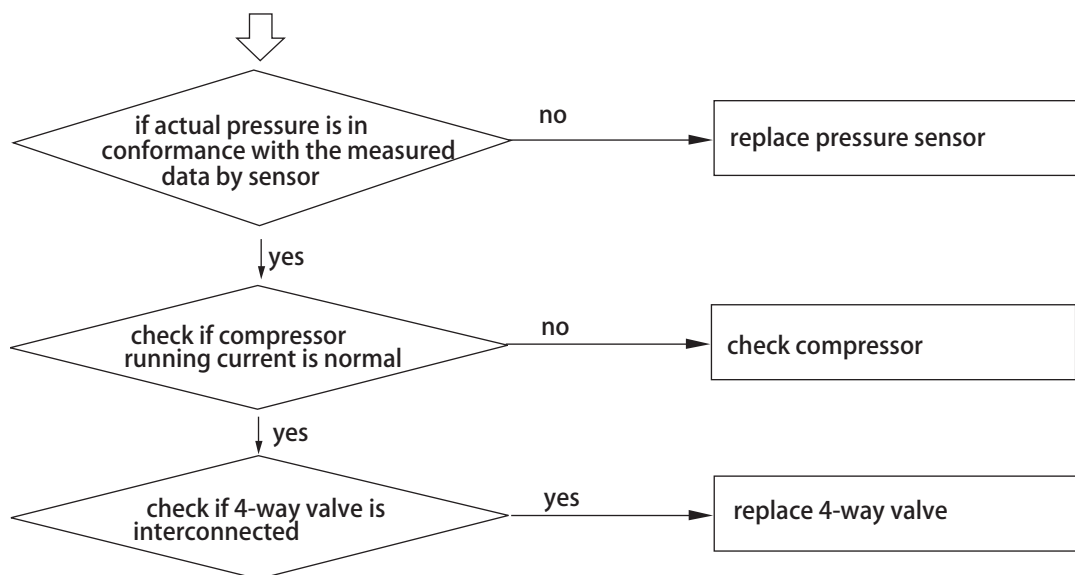
[37-0, 37-1, 37-2] lack of phase of 3N power supply or wrong phase sequence



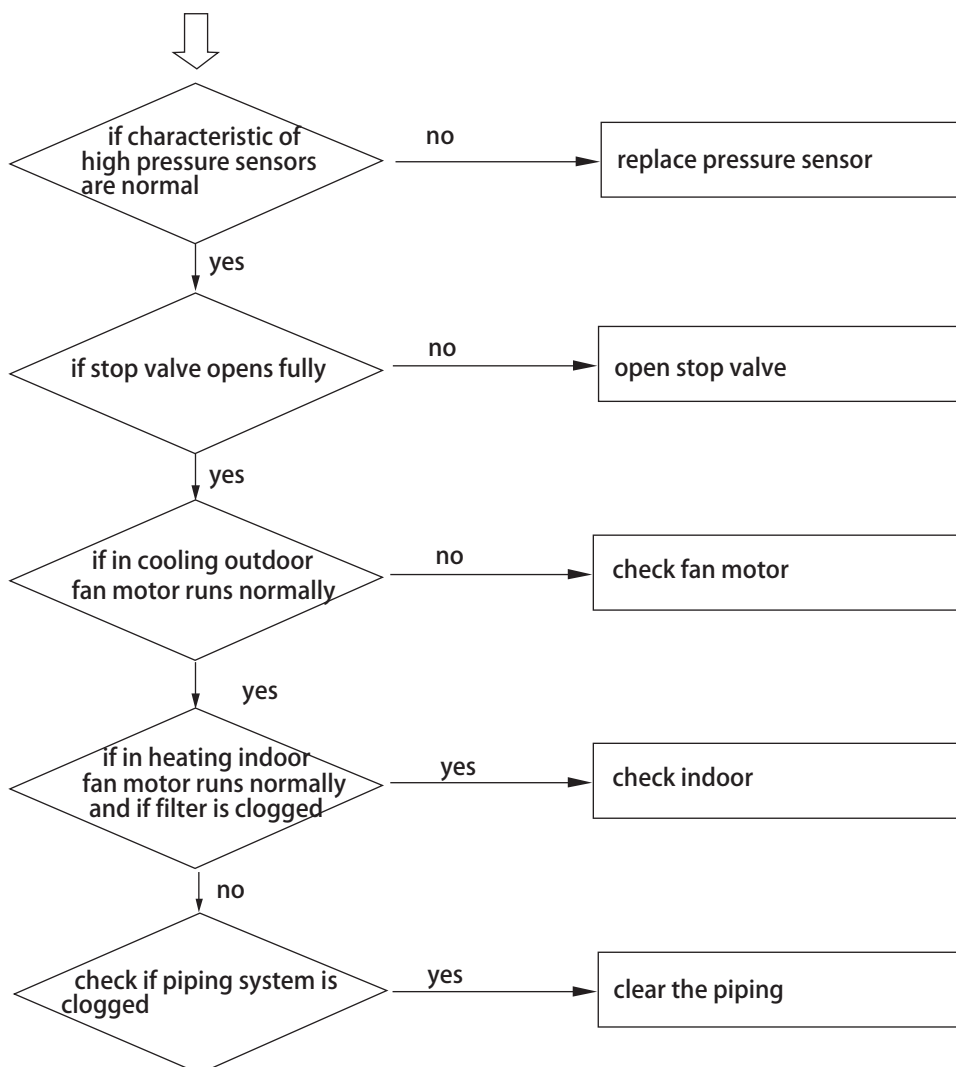
[39-0, 39-1] low pressure too low and compression ratio too high



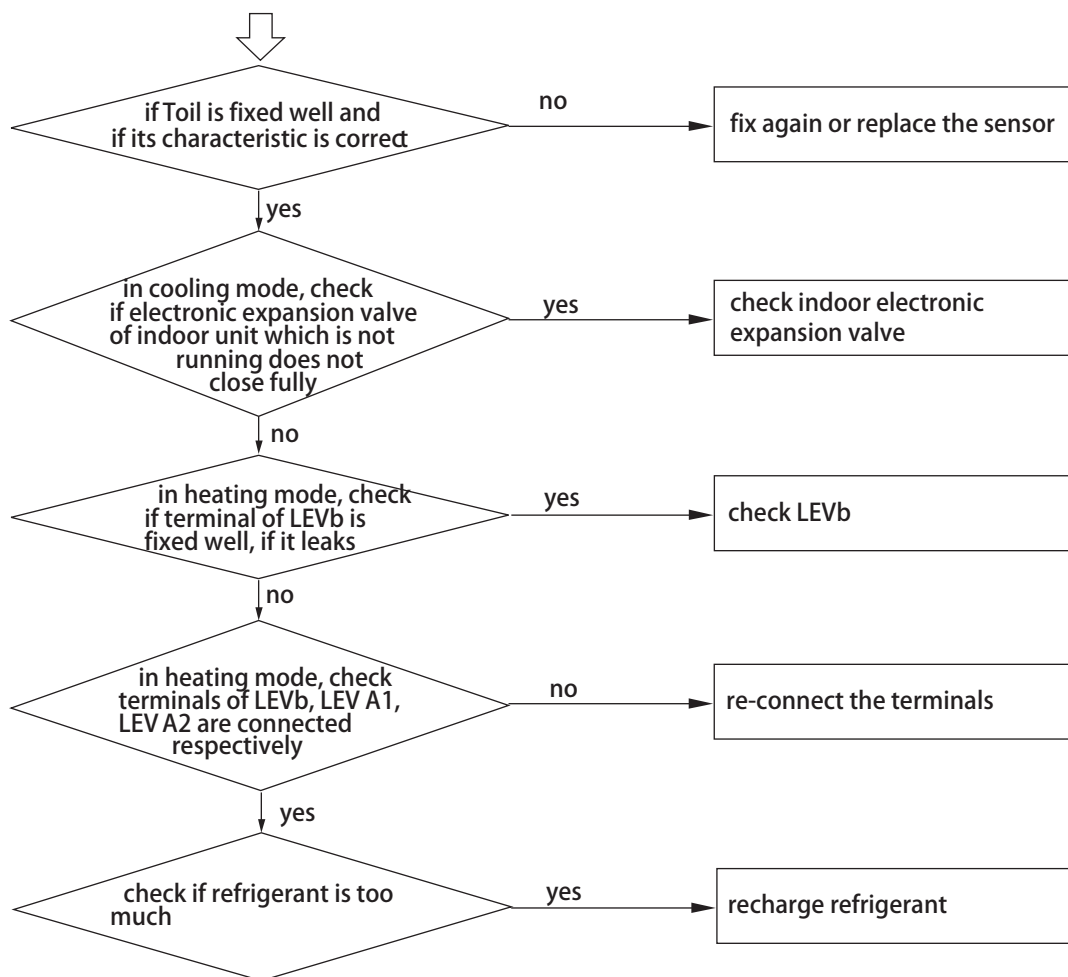
[39-2] compression ratio too low



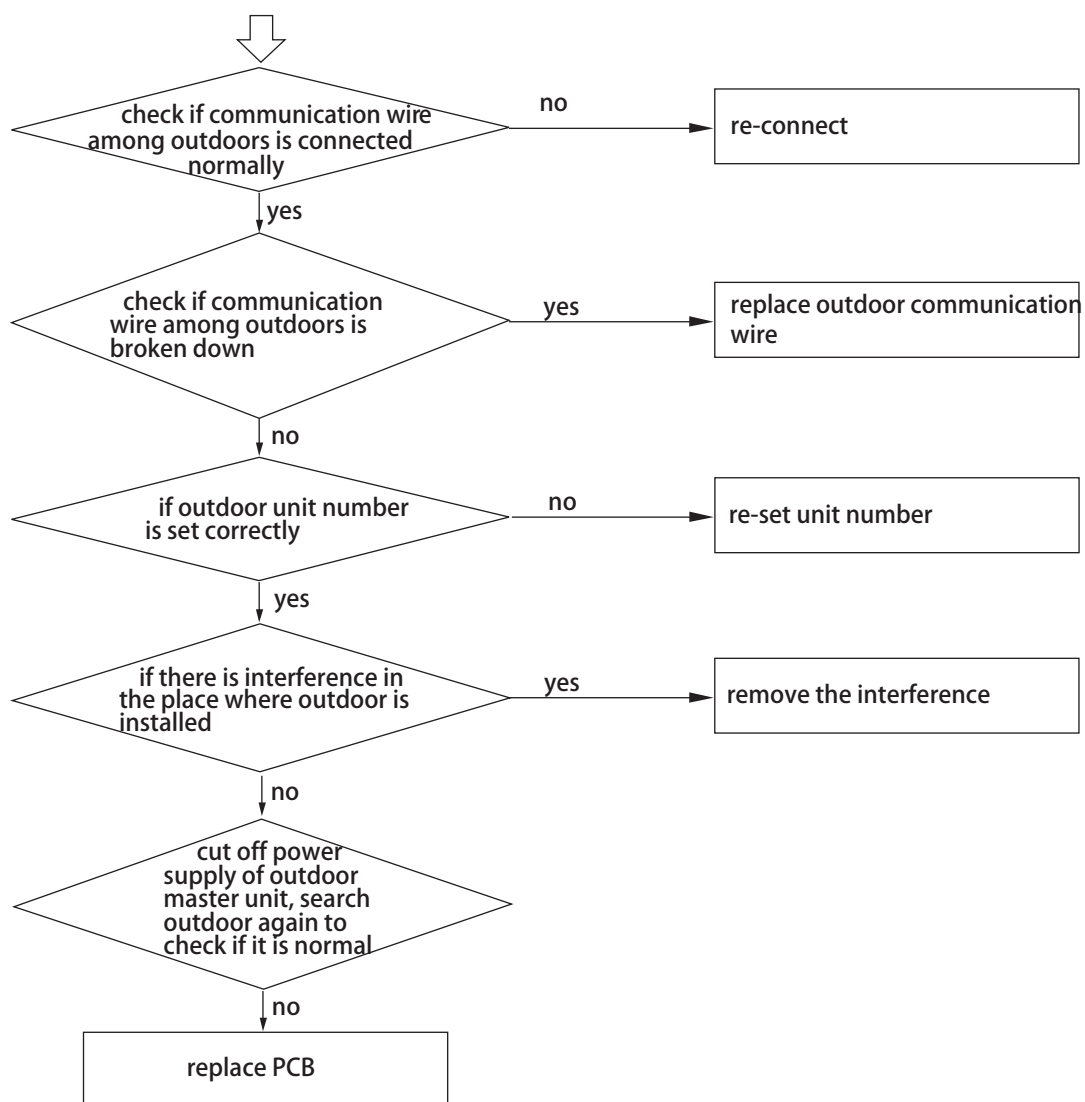
[40] high pressure protection



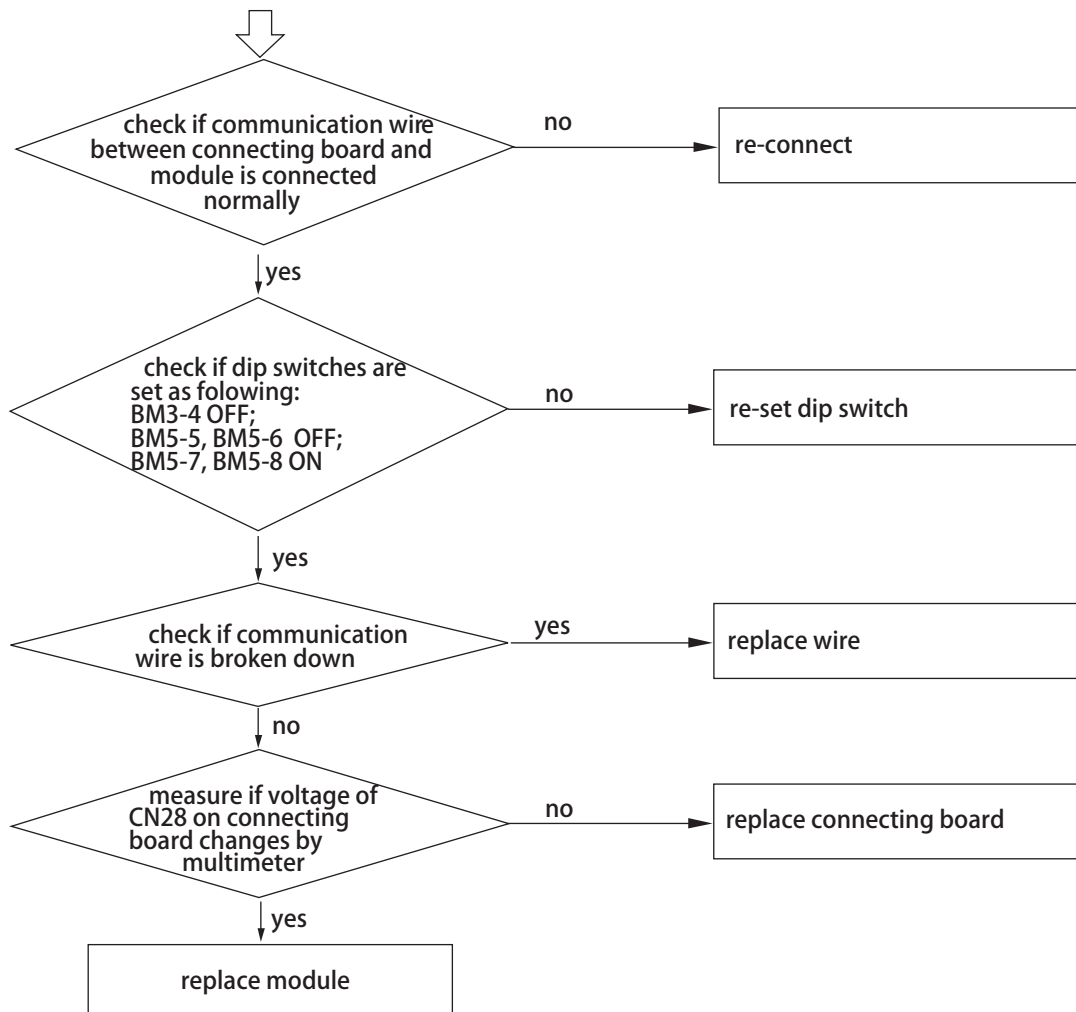
[43-0, 43-1] protection of discharging temperature too low



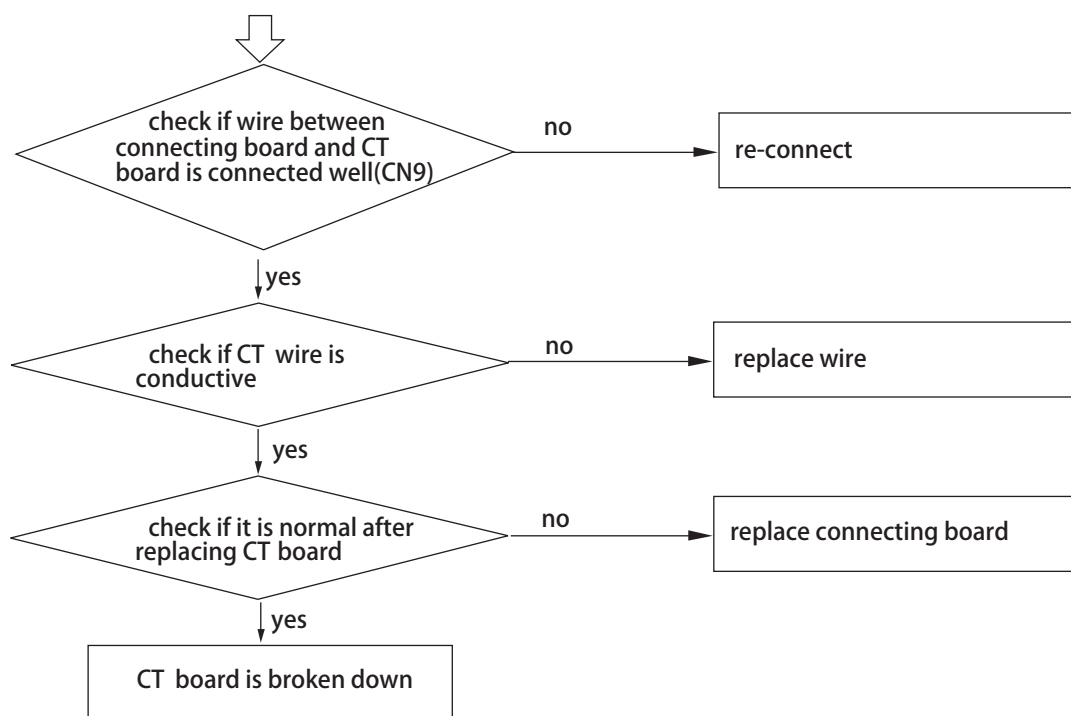
[45] communication among outdoors failure



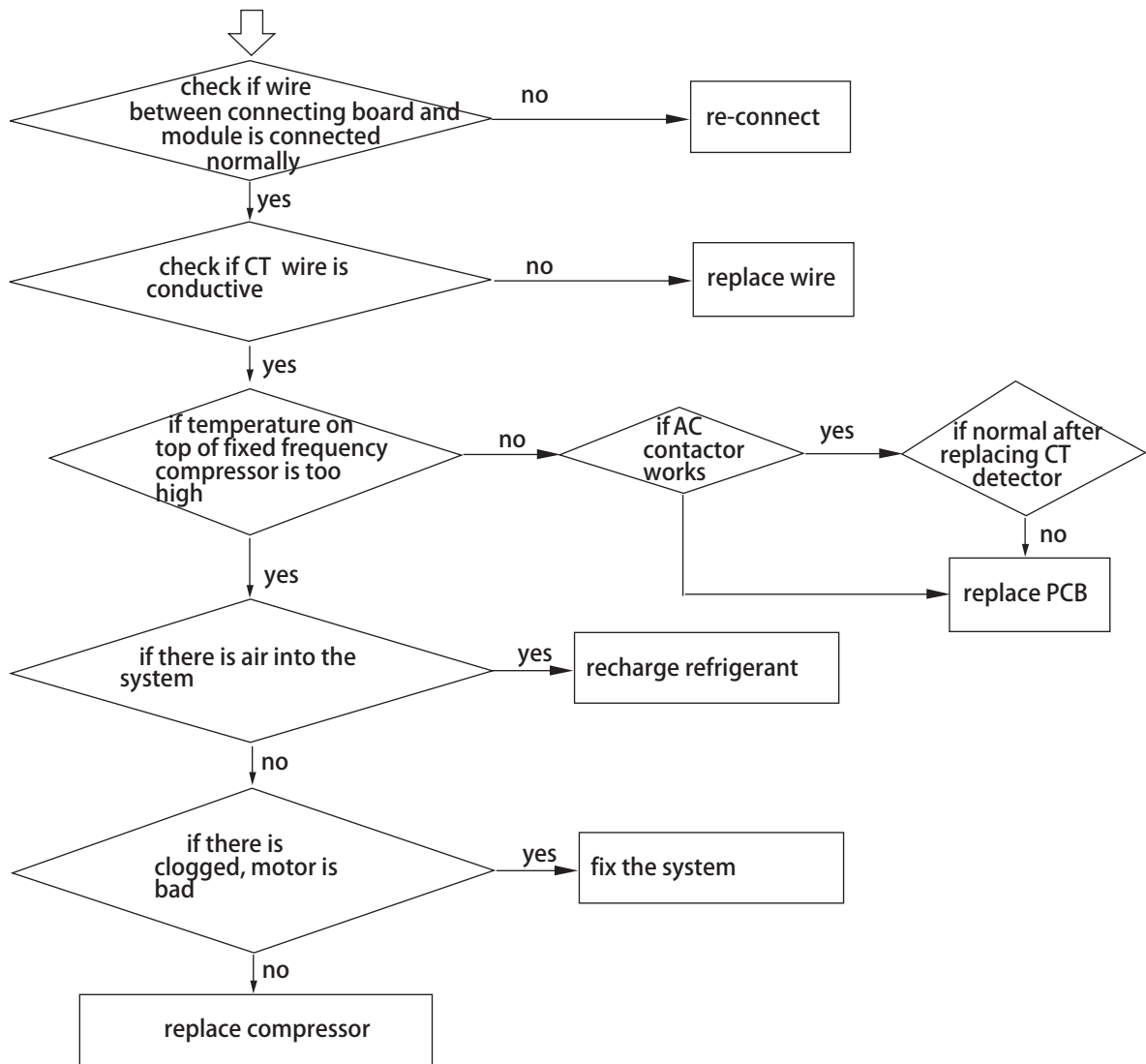
[46] communication with inverter module failure



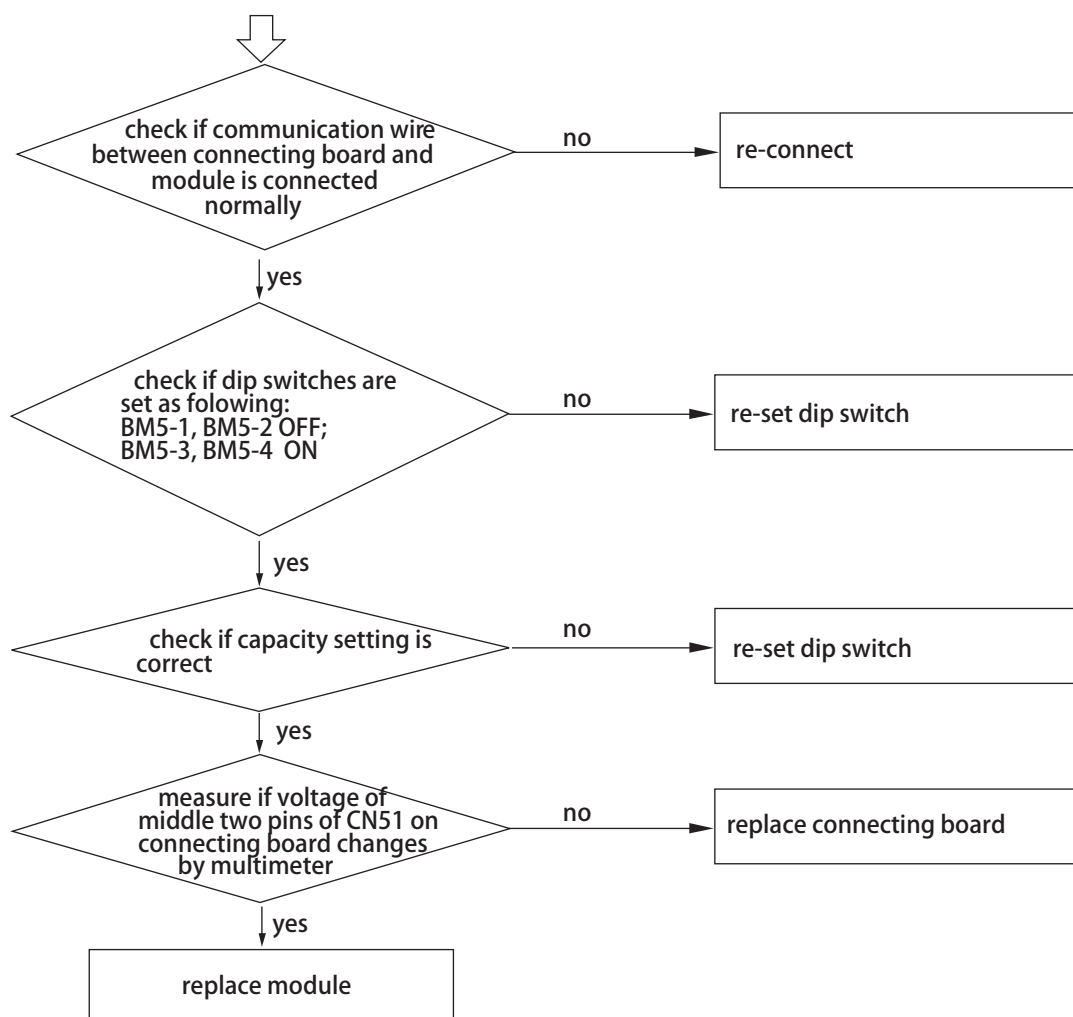
[53-0] current sensor failure



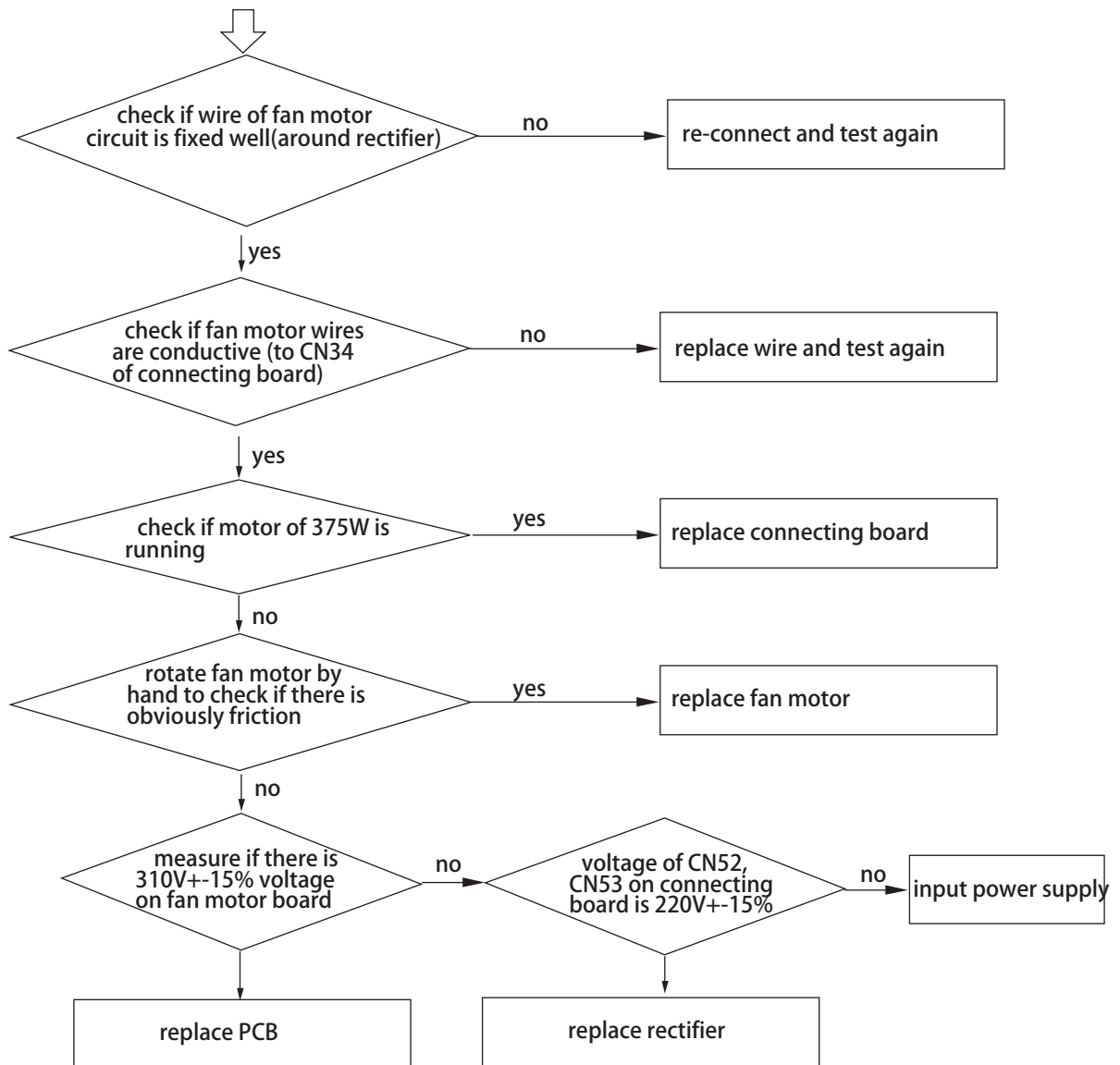
[64-0] CT over current



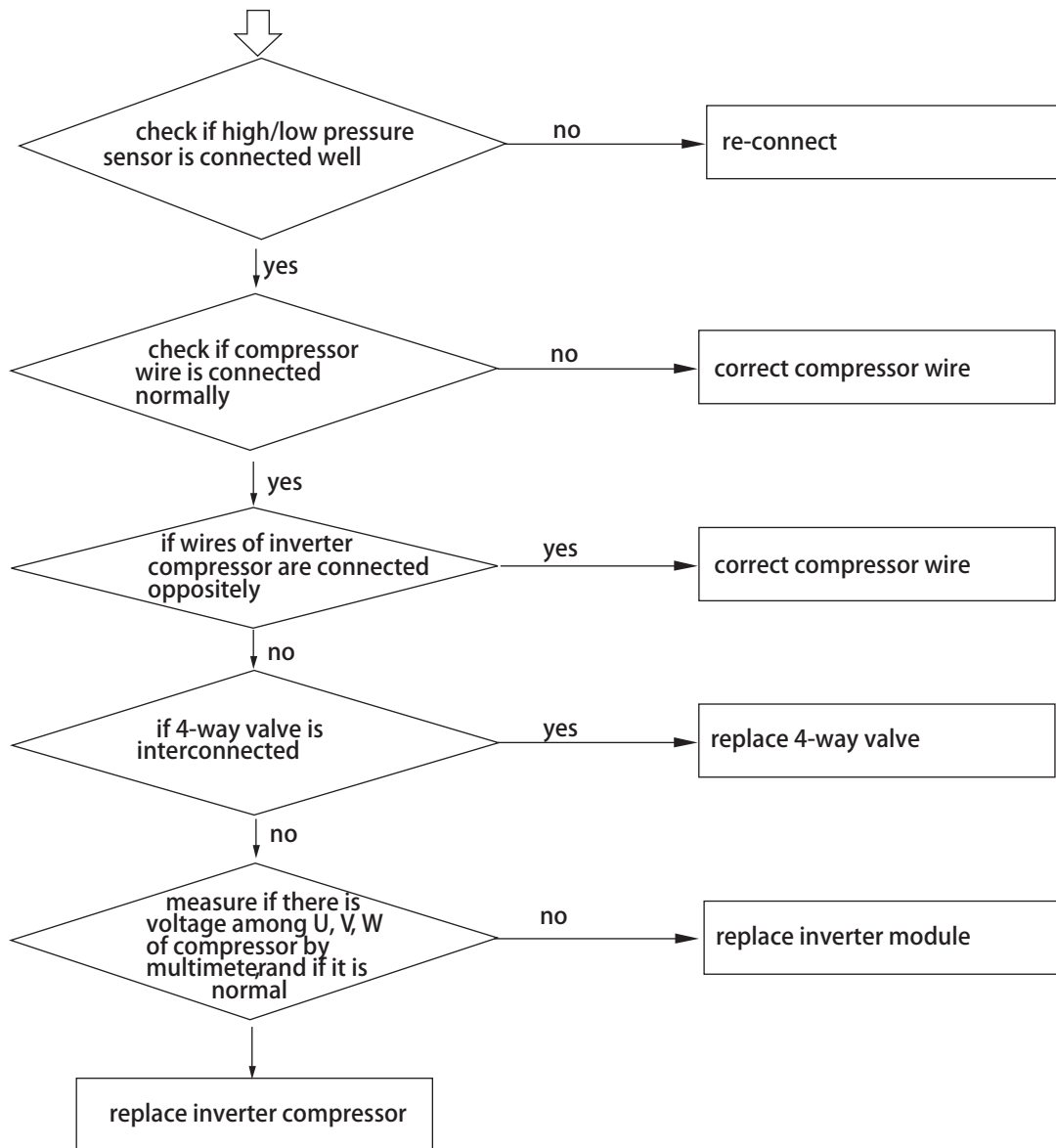
[67] fan motor with driving board communication failure



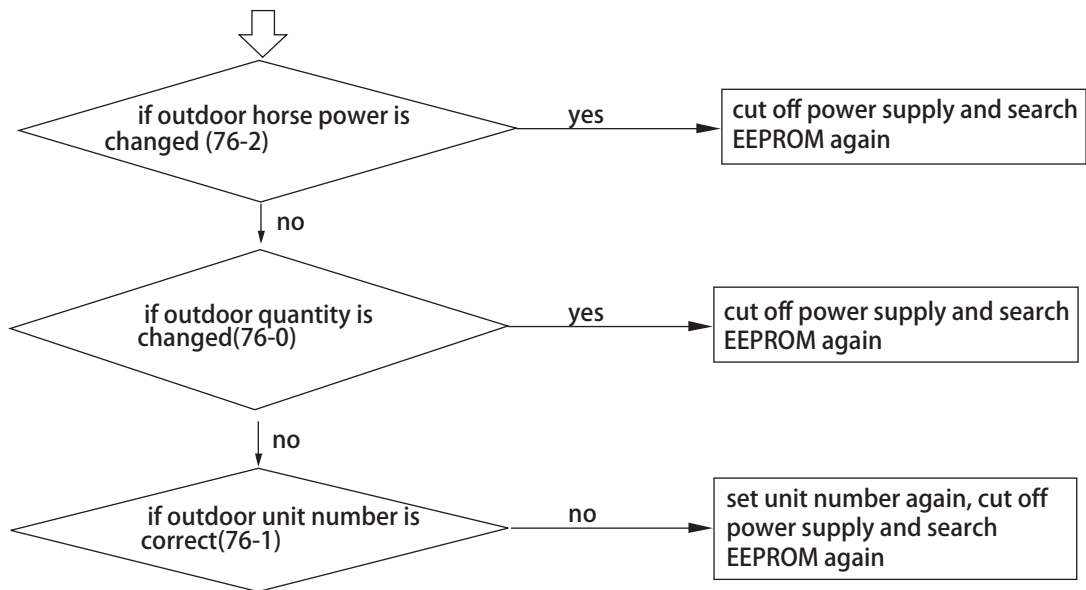
[71] DC motor blocked



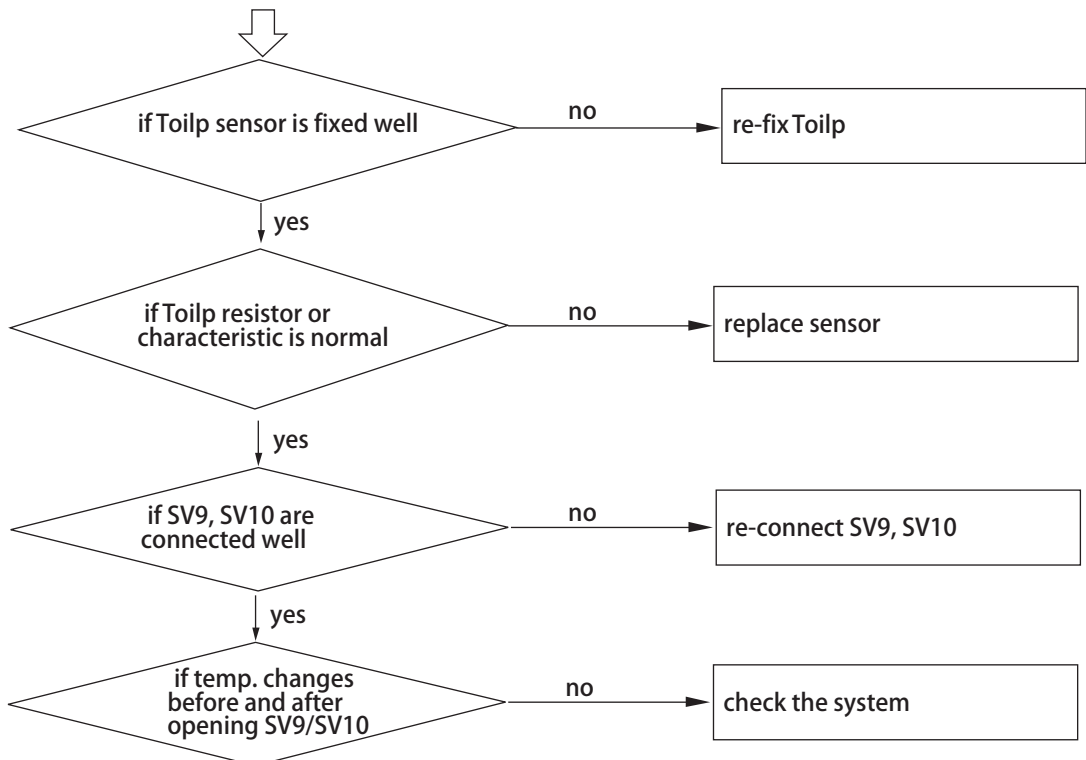
[75-0, 75-4] pressure drop too low between high pressure and low one



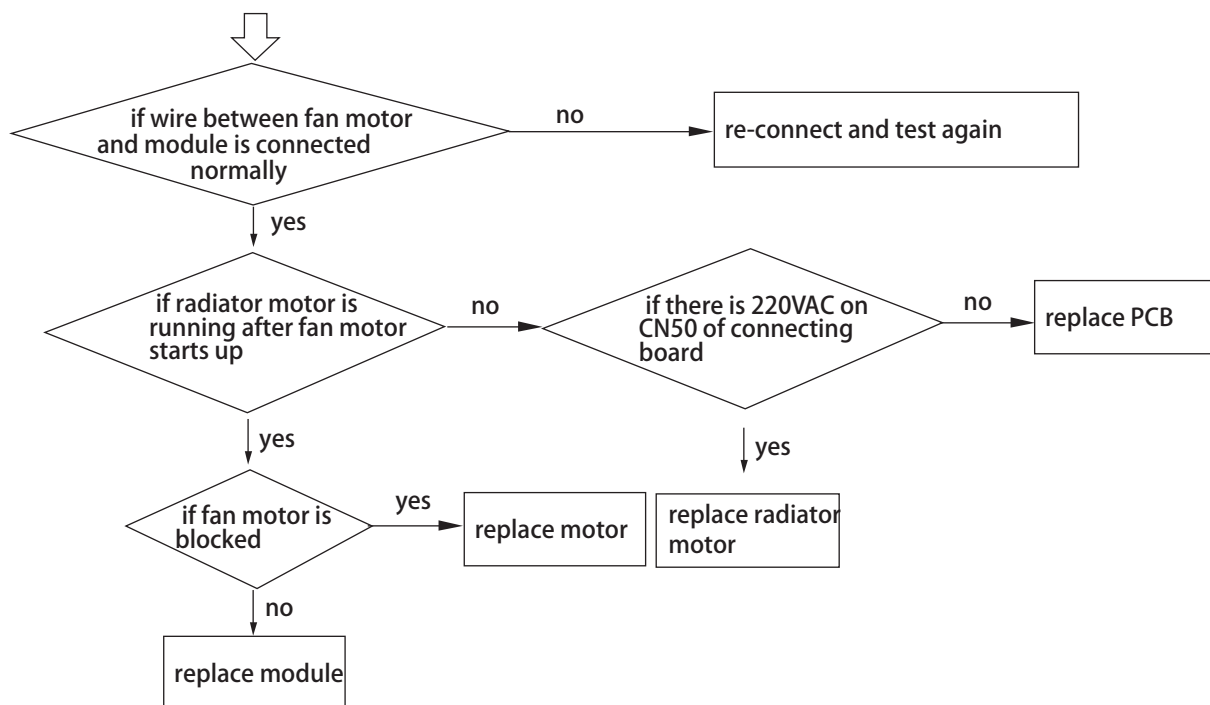
[76] outdoor address or capacity setting incorrect



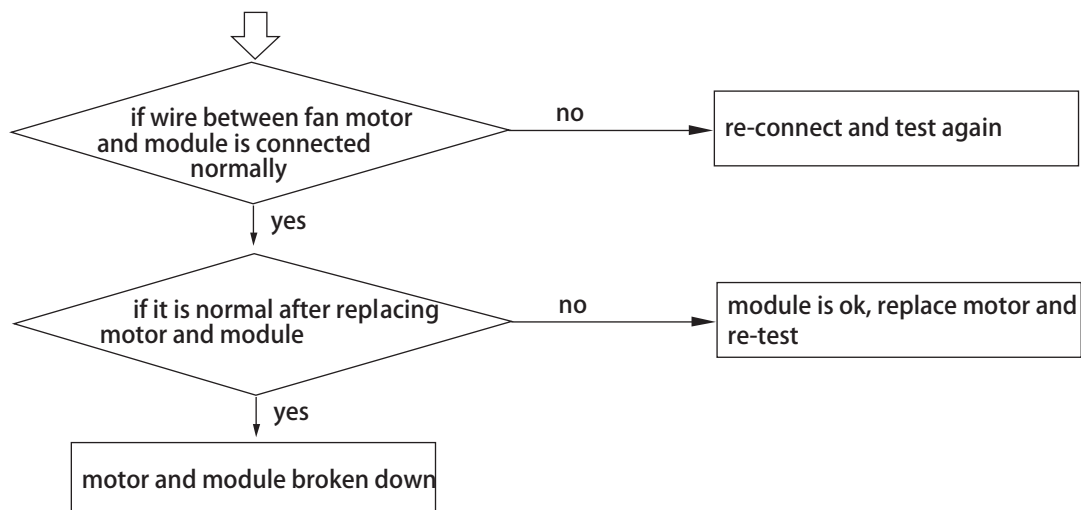
[77] oil equalization failure among outdoors



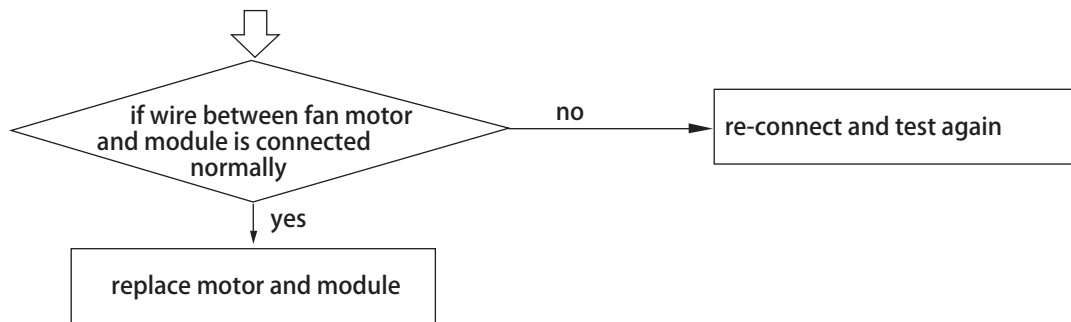
[100] IPM abnormal of DC fan motor driving board



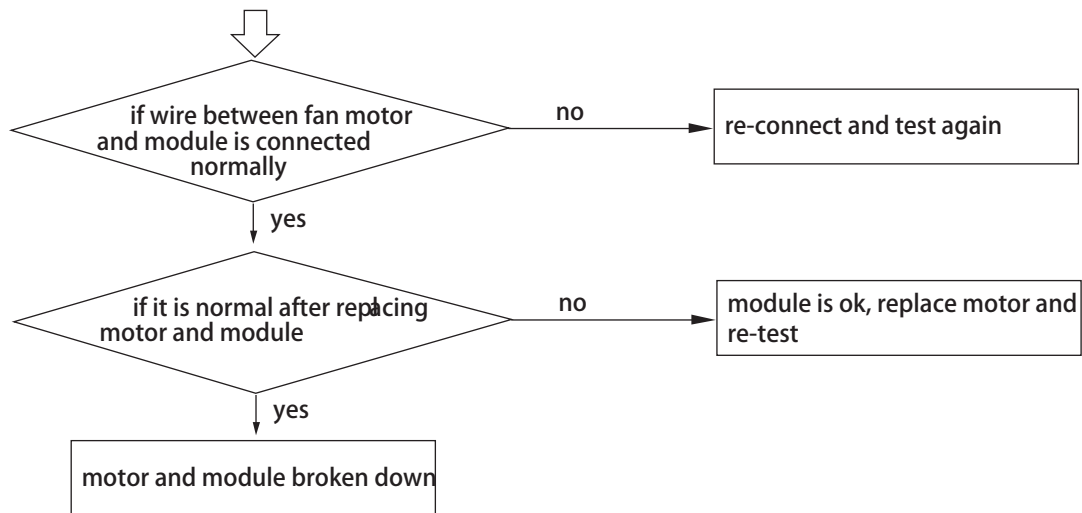
[101] DC motor driving board detecting out of control



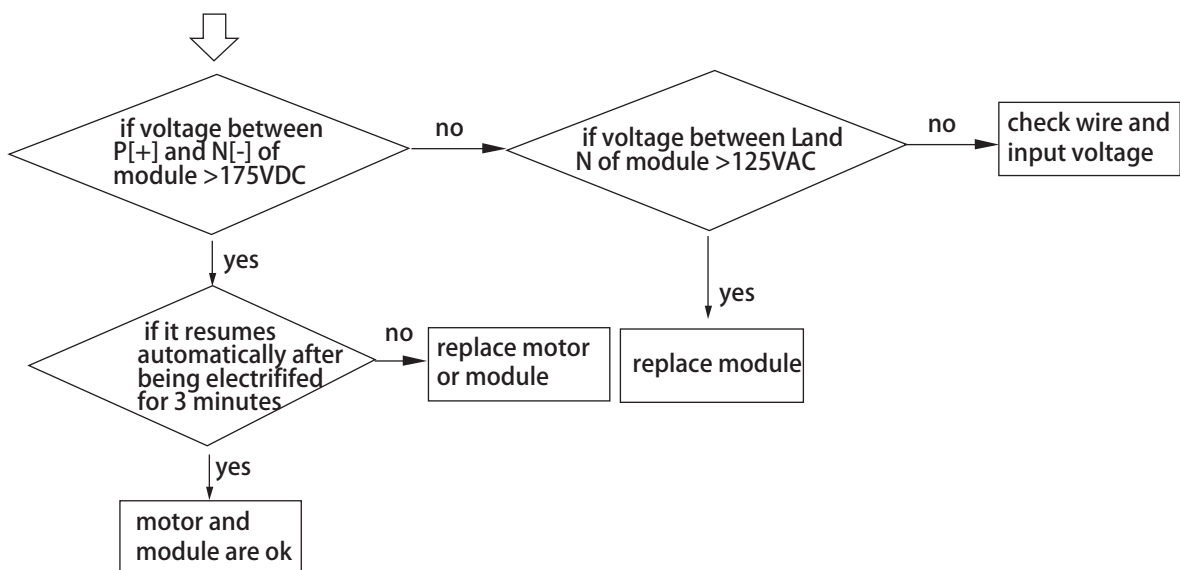
[102] DC motor driving board EEPROM failure



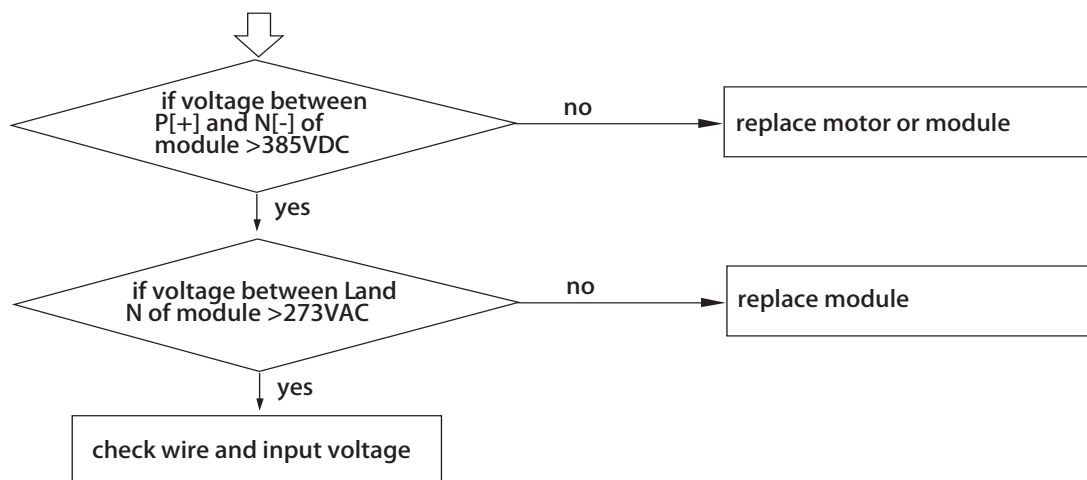
[103] DC motor driving board overcurrent or current sensor broken down



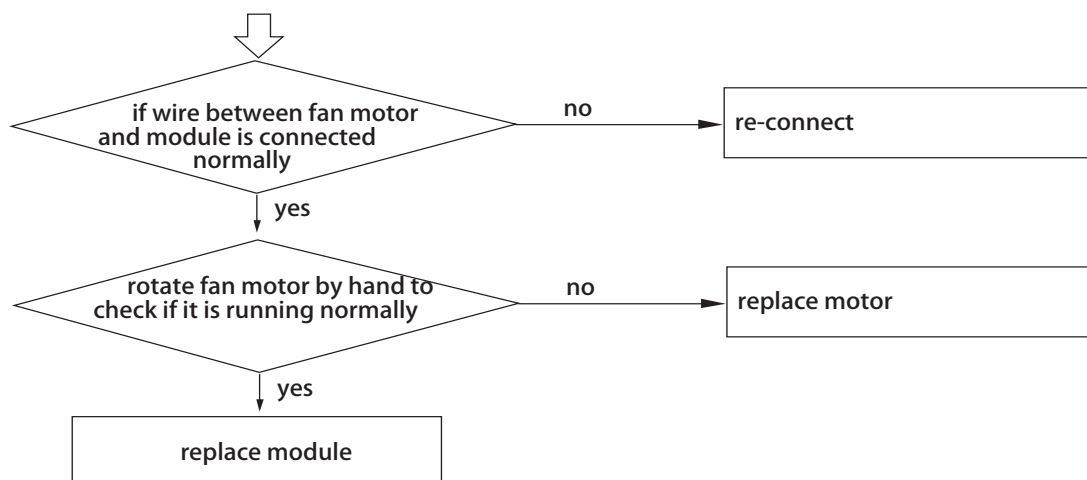
[104] voltage too low protection of DC motor driving board



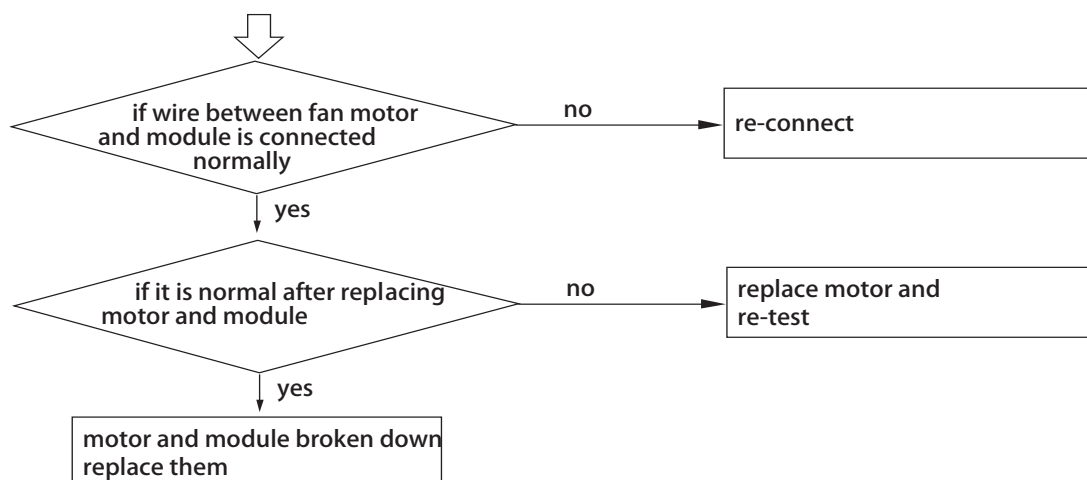
[105] protection of DC motor driving board overcurrent



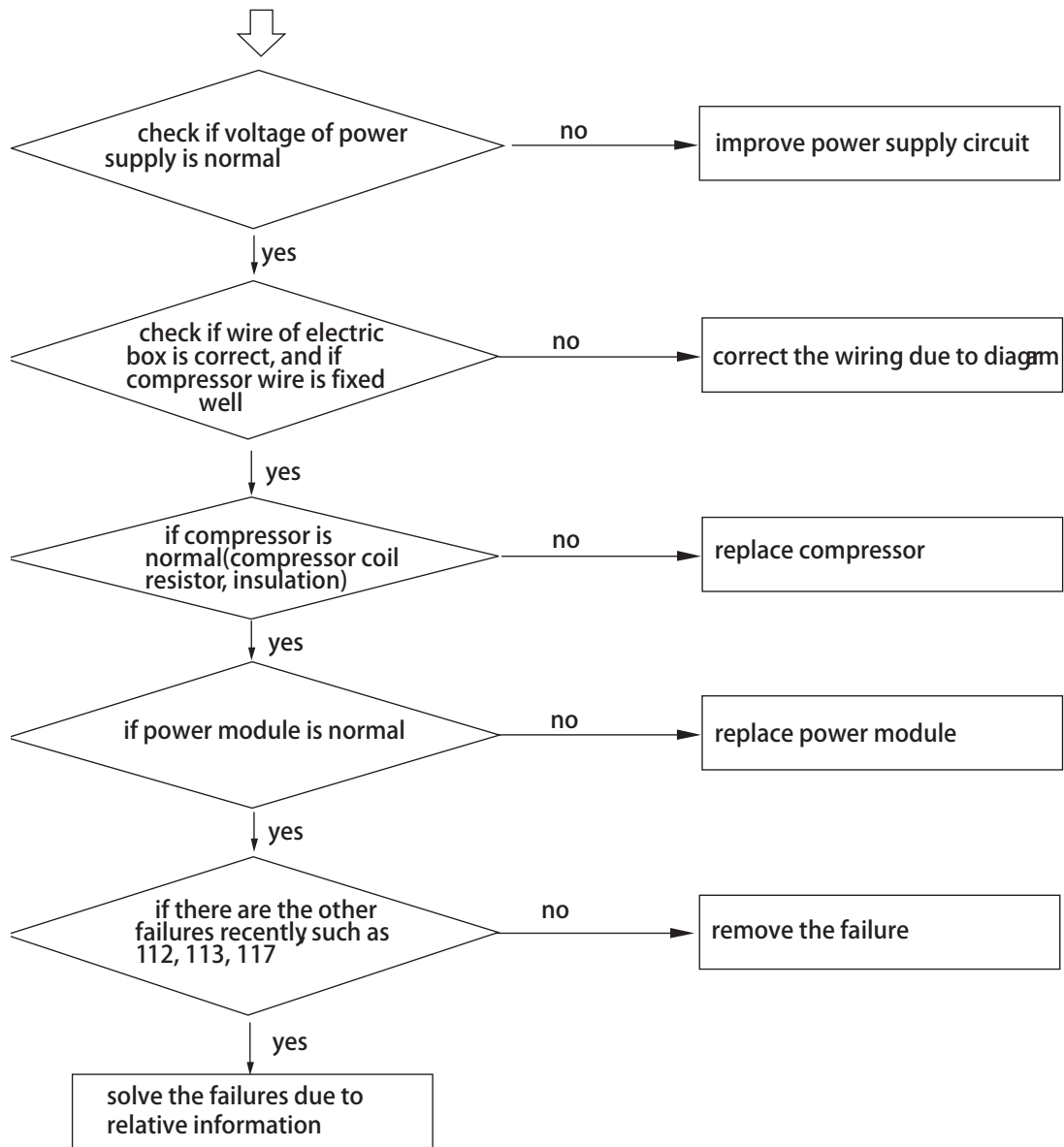
[106] DC motor driving board blocked



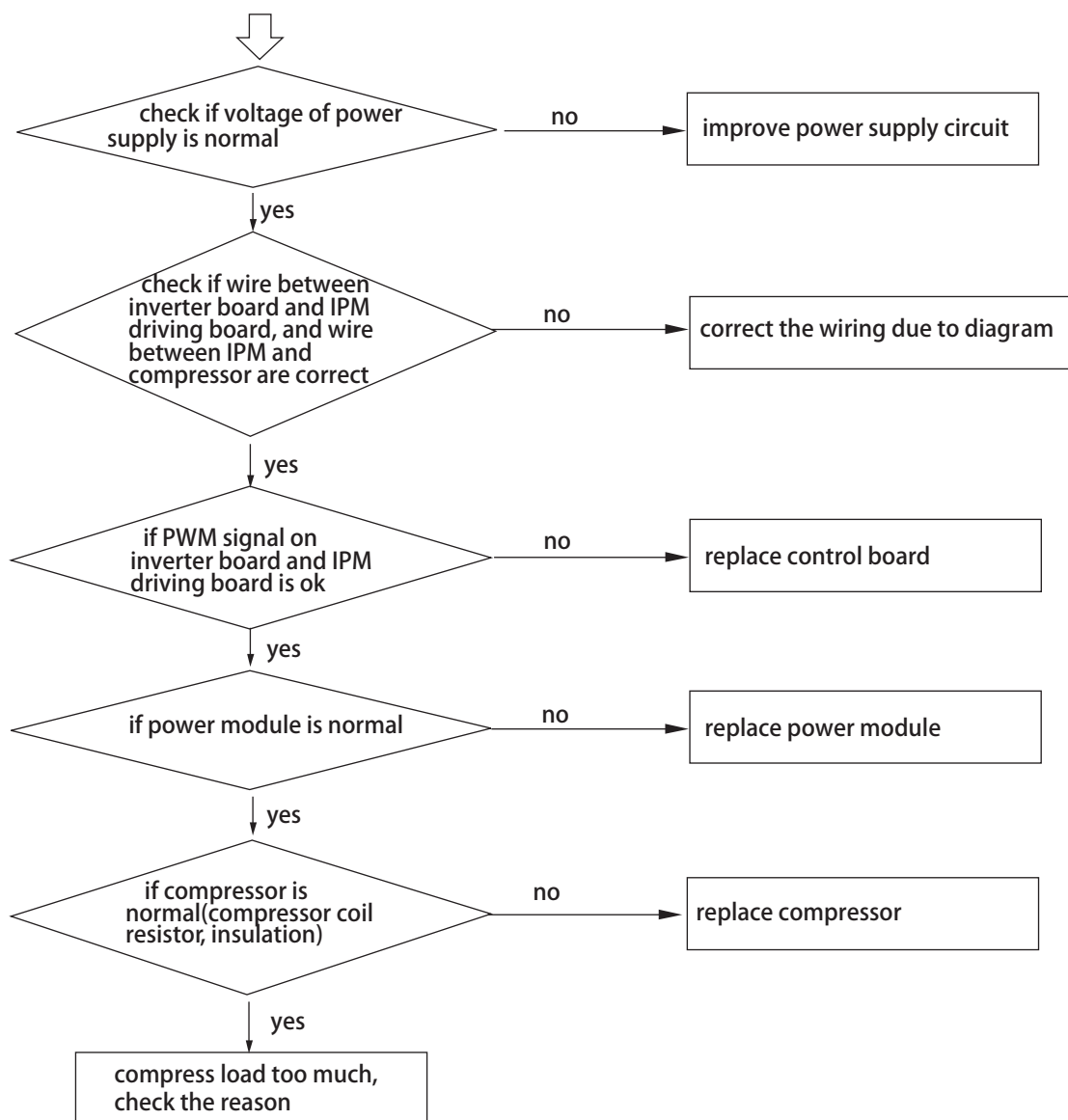
[107] protection of motor rate over limitation



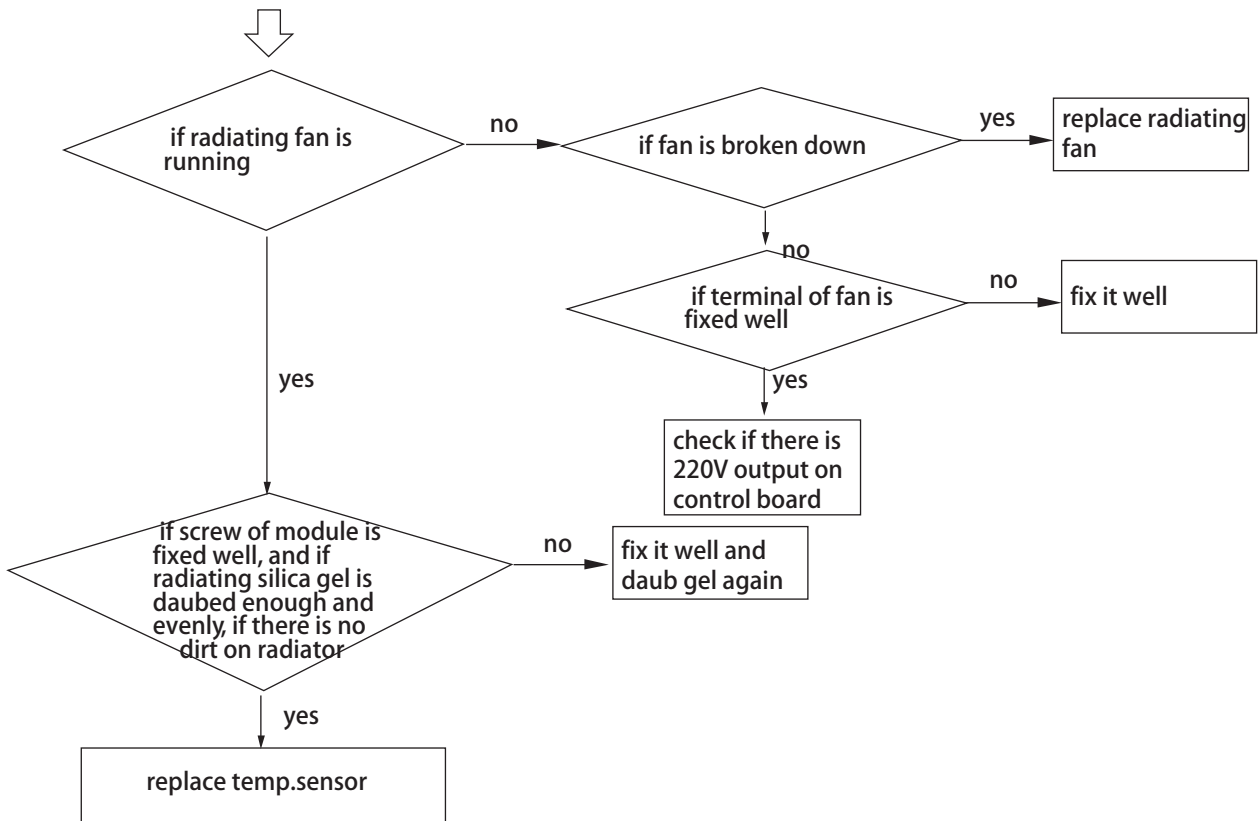
[110] power module overcurrent



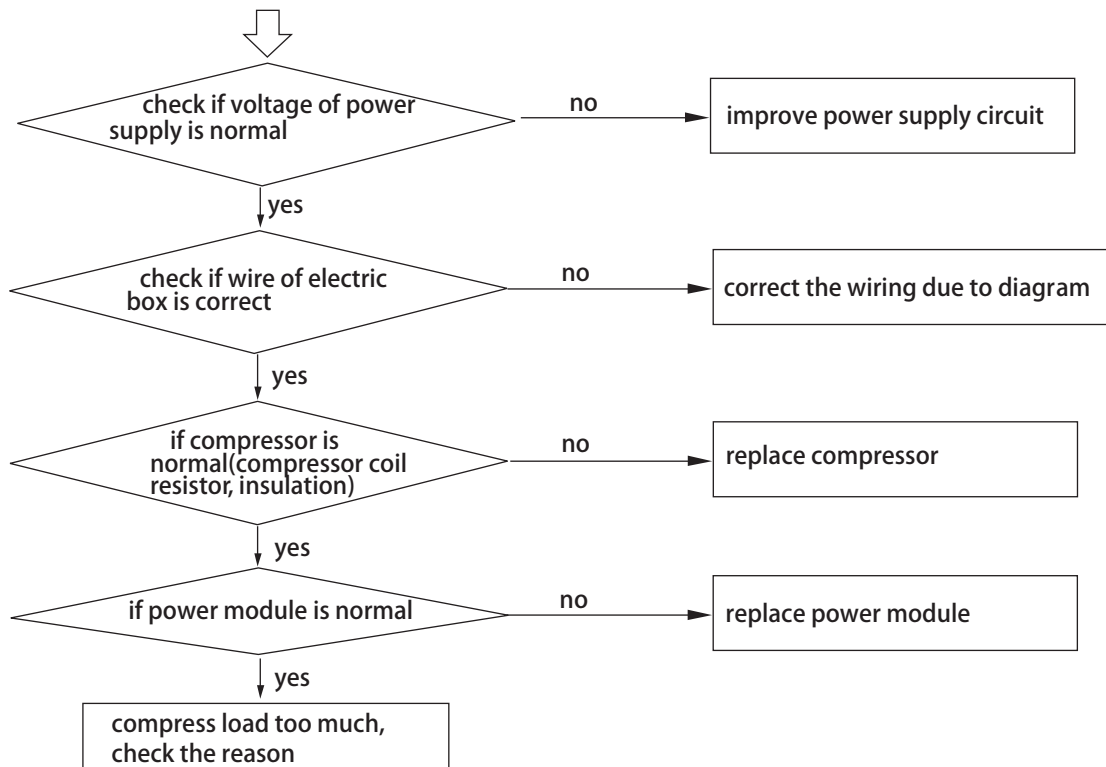
[111] compressor out of control



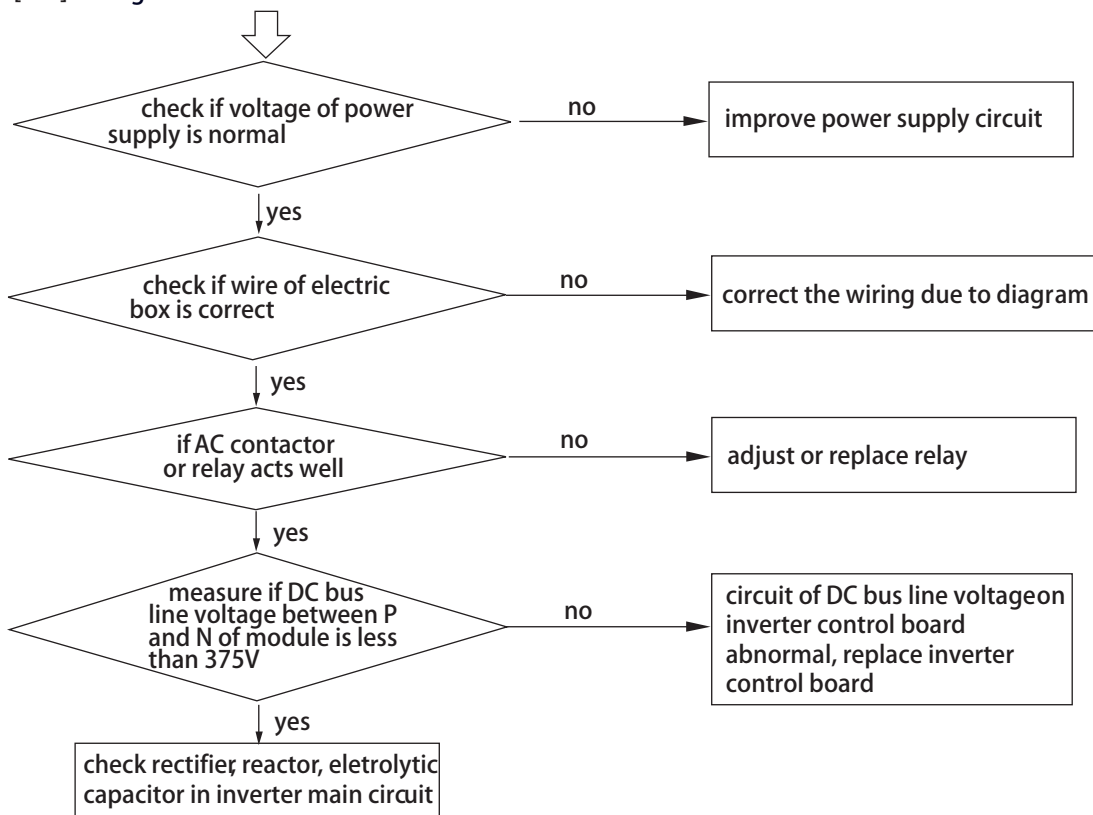
[112] radiator of transducer temp.too high



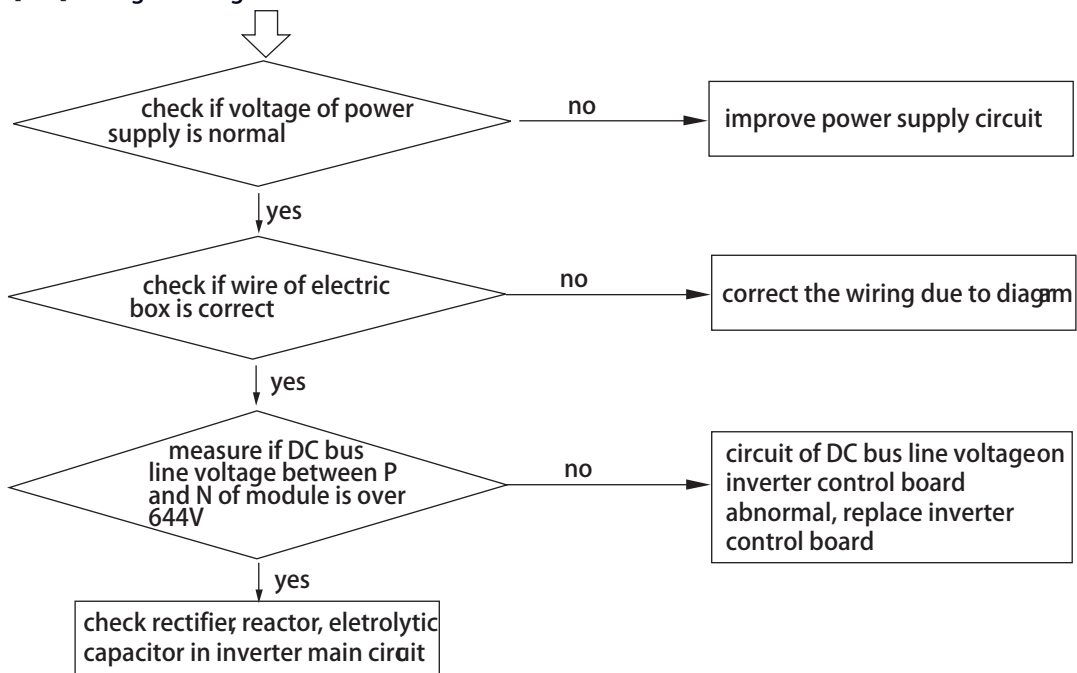
[113] protection of overload



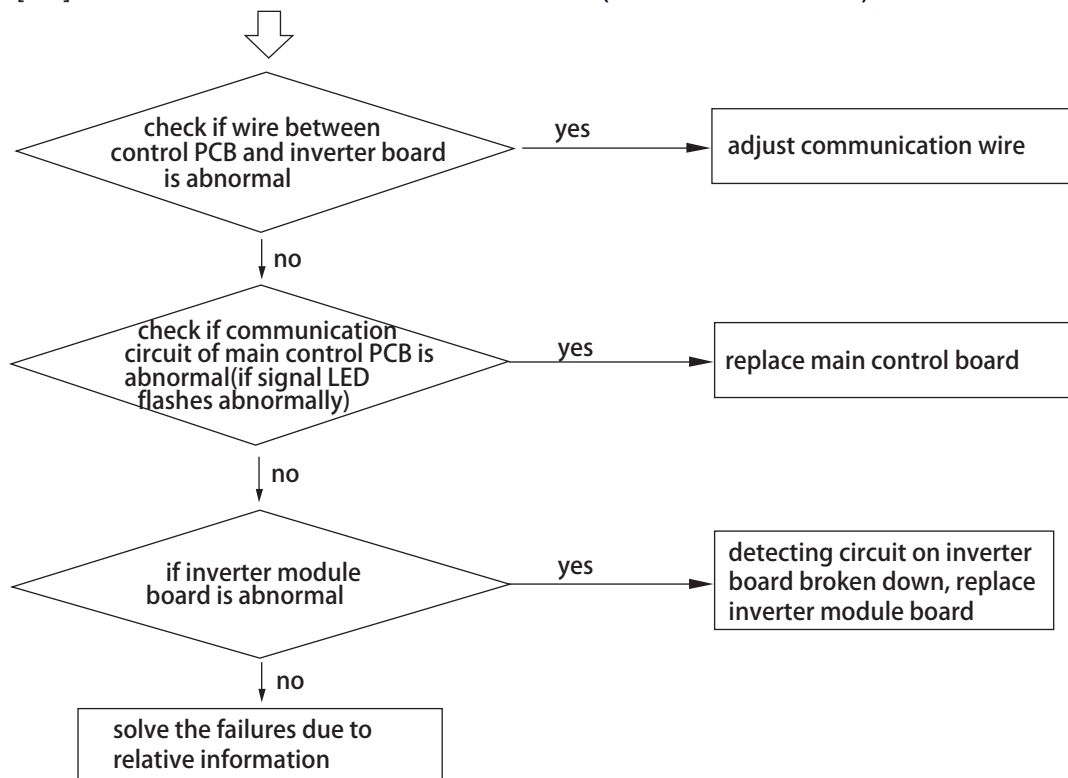
[114] voltage too low of DC bus line of transducer



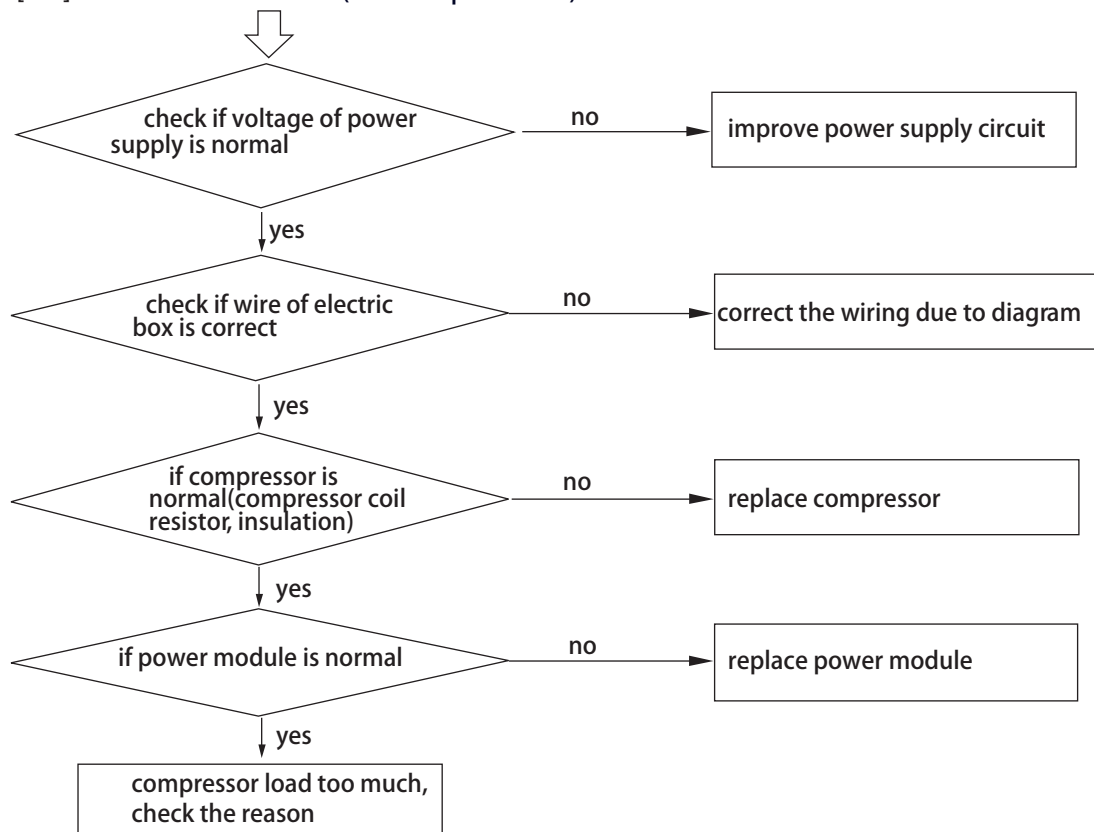
[115] voltage too high of DC bus line of transducer



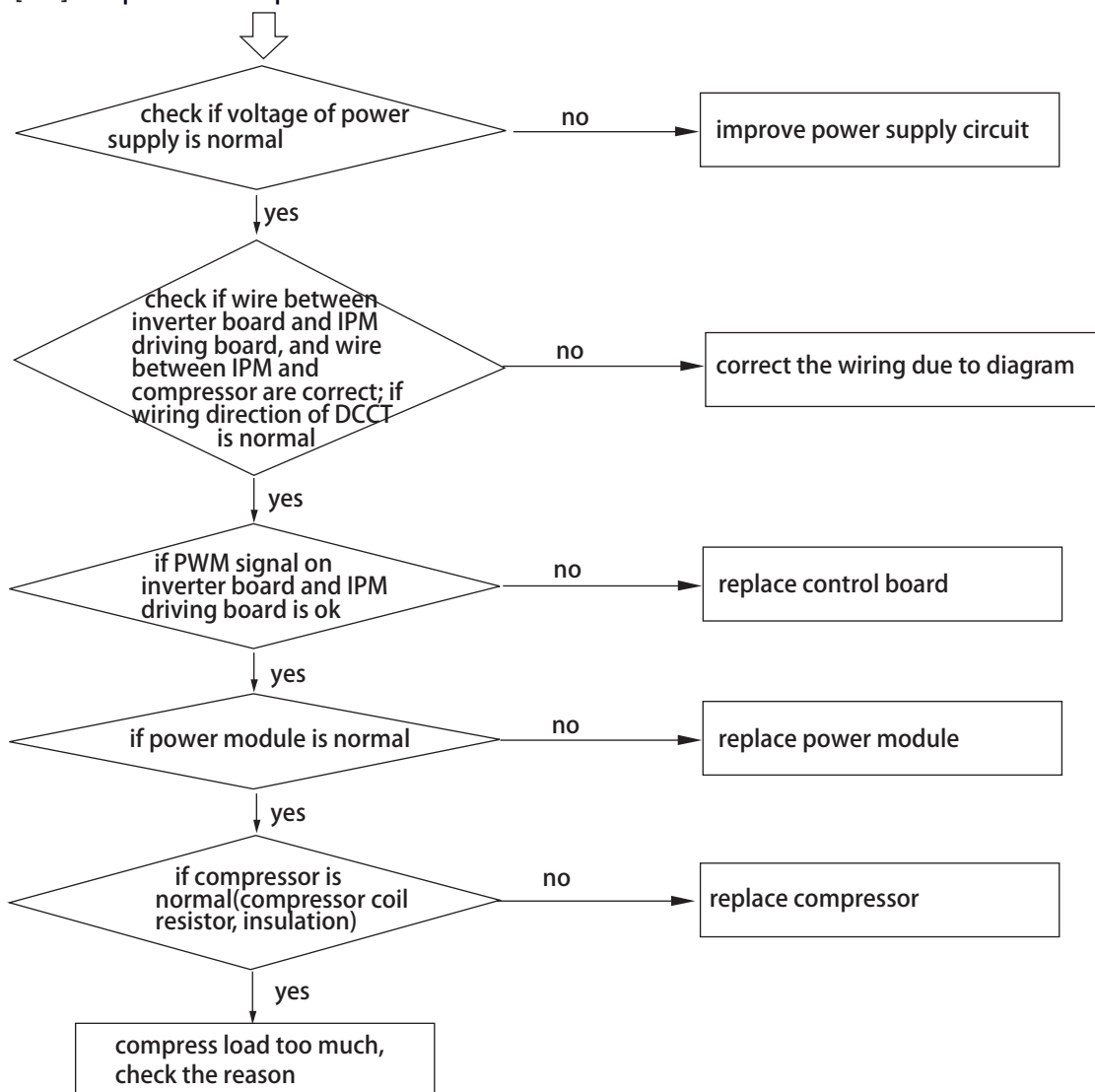
[116] communication abnormal between transducer(inverter module board) and control PCB



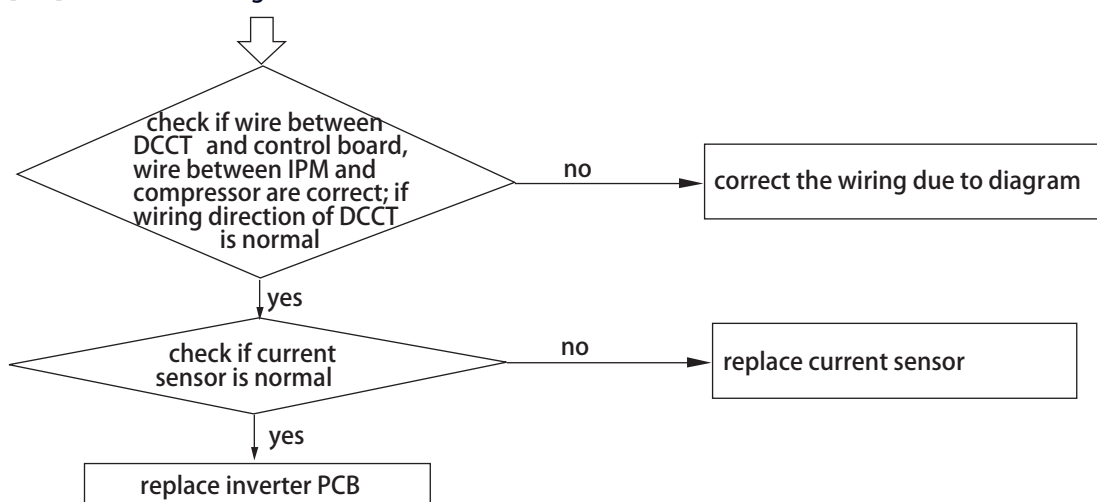
[117] transducer over current(software protection)



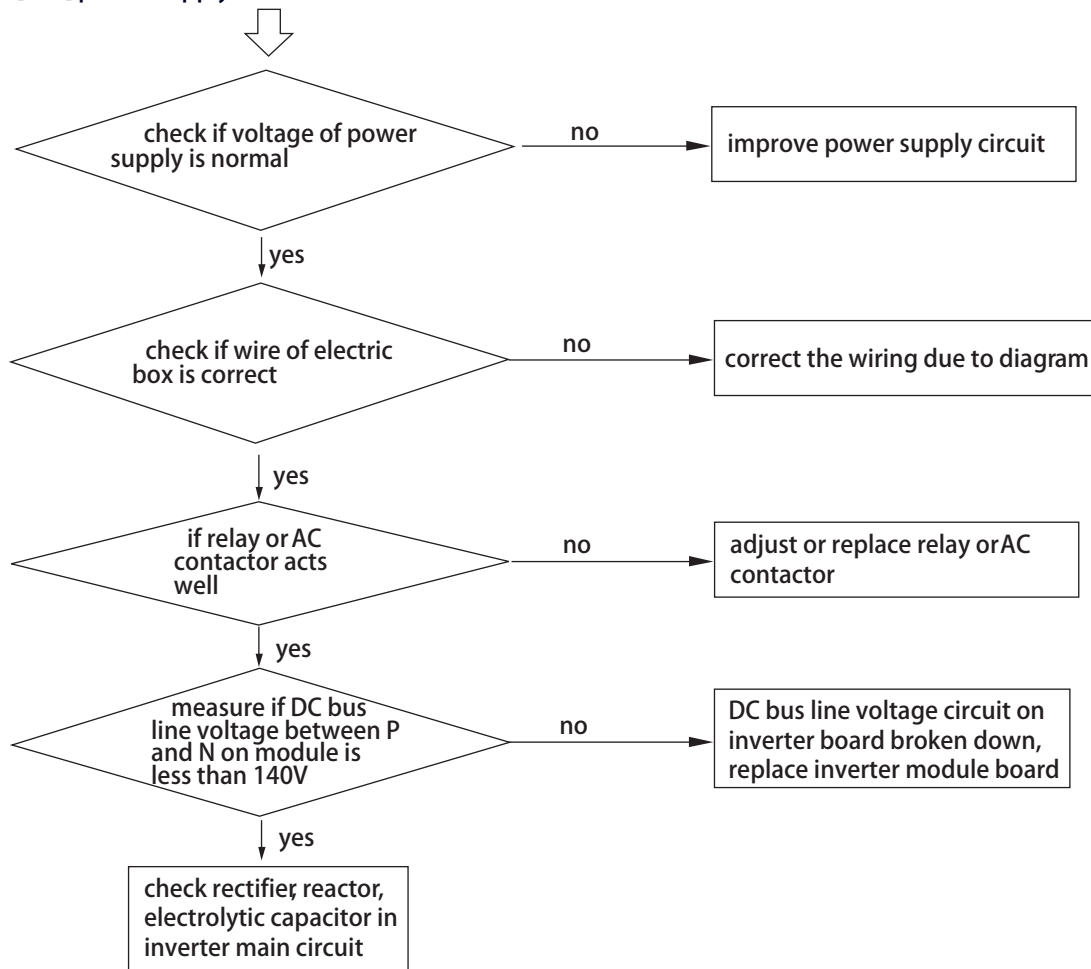
[118] compressor startup failure because of overcurrent or overheat



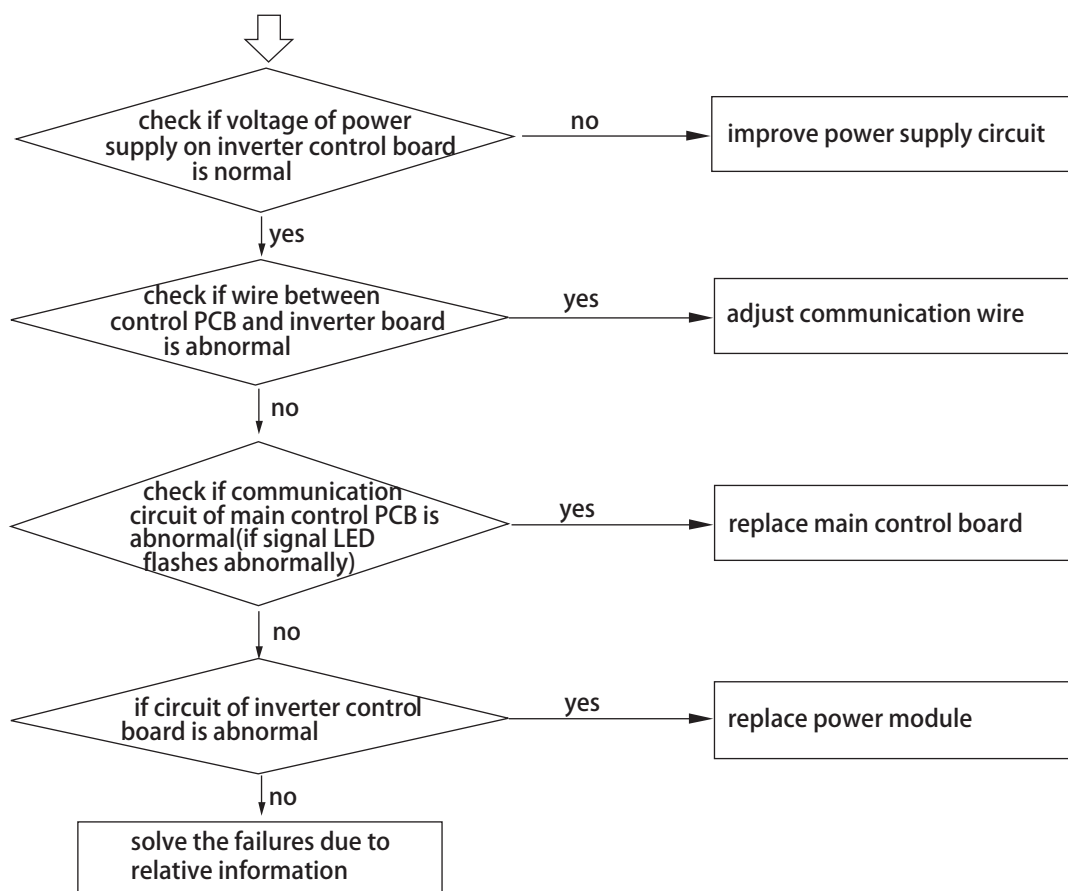
[119] current detecting circuit abnormal of transducer



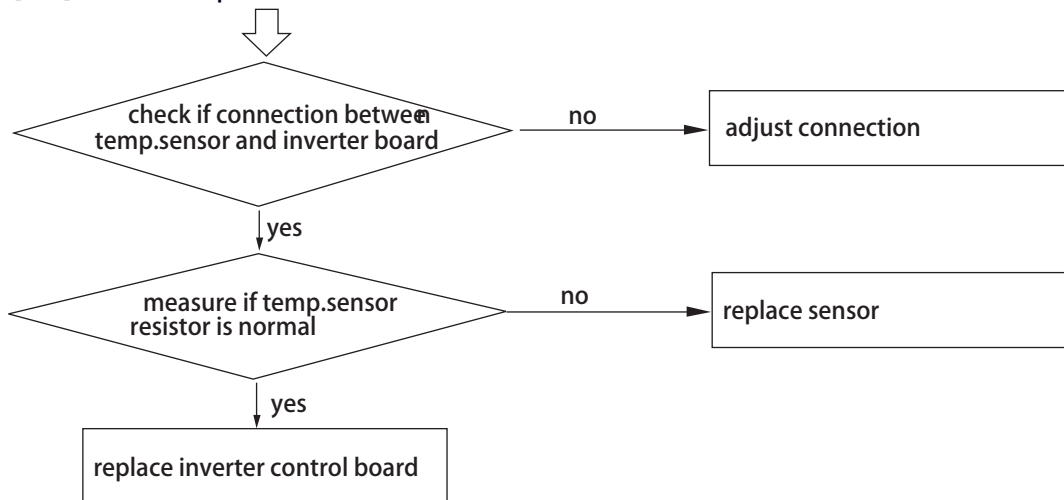
[120] power supply of transducer abnormal



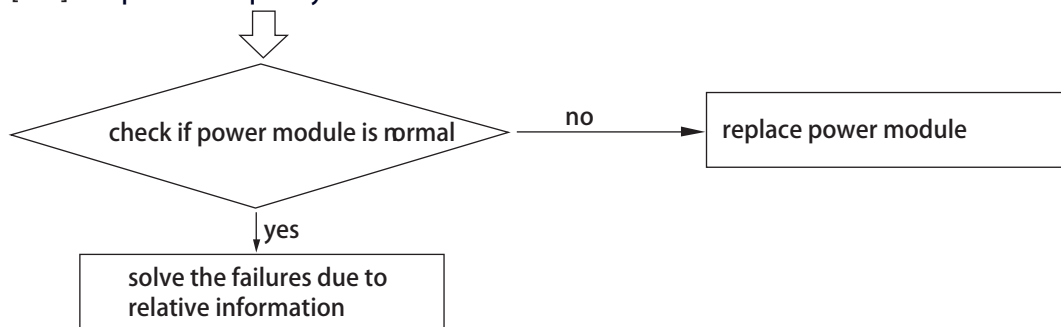
[121] power supply of inverter board is abnormal



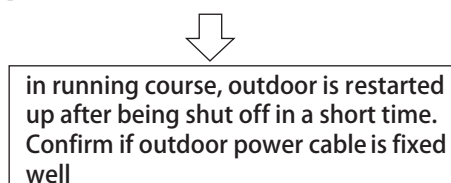
[122] radiator temp.sensor of transducer abnormal



[125] compressor frequency not match well



[127] MCU reset abnormal



[127] MCU program need be updated

Confirm the version of PCB, and update the program to the latest.

Appendix I Sensor Resistance Table

Code	Resistance	Description
0010451307	10K	Suction air temp.sensor (Tsacc Tsi Tsco)
0010450949	10K	Pipe temp.sensor (Toci1、 Toci2)
0010451328	10K	Pipe temp.sensor (Tdef1 Tdef2 Tliqsc)
0010450192	10K	Outdoor ambient temp.sensor (Tao)
0010451303	50K	Discharging temp.sensor (Toil Toilp Tdi Td1 Tdp)

R80=50KΩ±3% B25/50=4450K±3%					
Temp	Resistance(KΩ)			% (Resist.tol)	
(°C)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
0	1749.014	1921.993	2094.972	9	9
1	1651.431	1813.265	1975.099	8.93	8.93
2	1560.165	1711.646	1863.127	8.85	8.85
3	1474.737	1616.593	1758.449	8.78	8.78
4	1394.709	1527.611	1660.513	8.7	8.7
5	1319.683	1444.25	1568.817	8.63	8.63
6	1249.295	1366.096	1482.897	8.55	8.55
7	1183.21	1292.773	1402.336	8.48	8.48
8	1121.124	1223.935	1326.746	8.4	8.4
9	1062.756	1159.265	1255.774	8.33	8.33
10	1007.85	1098.474	1189.098	8.25	8.25
11	956.167	1041.293	1126.419	8.18	8.18
12	907.491	987.477	1067.463	8.1	8.1
13	861.621	936.799	1011.977	8.03	8.03
14	818.372	889.052	959.732	7.95	7.95
15	777.574	844.042	910.51	7.88	7.88
16	739.066	801.59	864.114	7.8	7.8
17	702.705	761.533	820.361	7.73	7.73
18	668.353	723.717	779.081	7.65	7.65
19	635.885	688.001	740.117	7.58	7.58
20	605.185	654.254	703.323	7.5	7.5
21	576.145	622.355	668.565	7.43	7.43
22	548.663	592.189	635.715	7.35	7.35
23	522.645	563.651	604.657	7.28	7.28
24	498.006	536.644	575.282	7.2	7.2
25	474.662	511.076	547.49	7.13	7.13
26	452.538	486.862	521.186	7.05	7.05
27	431.563	463.922	496.281	6.98	6.98
28	411.671	442.182	472.693	6.9	6.9
29	392.8	421.572	450.344	6.83	6.83
30	374.891	402.028	429.165	6.75	6.75
31	357.891	383.489	409.087	6.68	6.68
32	341.749	365.898	390.047	6.6	6.6
33	326.416	349.201	371.986	6.53	6.53
34	311.848	333.349	354.85	6.45	6.45
35	298.004	318.295	338.586	6.38	6.38
36	284.843	303.995	323.147	6.3	6.3

Temp	Resistance(KΩ)			% (Resist.tol)	
(°C)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
38	260.427	277.493	294.559	6.15	6.15
39	249.104	265.216	281.328	6.08	6.08
40	238.329	253.541	268.753	6	6
41	228.073	242.437	256.801	5.93	5.93
42	218.308	231.873	245.438	5.85	5.85
43	209.01	221.82	234.63	5.78	5.78
44	200.154	212.252	224.35	5.7	5.7
45	191.715	203.142	214.569	5.63	5.63
46	183.674	194.467	205.26	5.55	5.55
47	176.009	186.204	196.399	5.48	5.48
48	168.703	178.333	187.963	5.4	5.4
49	161.735	170.832	179.929	5.33	5.33
50	155.089	163.682	172.275	5.25	5.25
51	148.748	156.866	164.984	5.18	5.18
52	142.698	150.367	158.036	5.1	5.1
53	136.924	144.168	151.412	5.03	5.03
54	131.411	138.255	145.099	4.95	4.95
55	126.148	132.613	139.078	4.88	4.88
56	121.122	127.229	133.336	4.8	4.8
57	116.32	122.089	127.858	4.73	4.73
58	111.732	117.181	122.63	4.65	4.65
59	107.347	112.494	117.641	4.58	4.58
60	103.157	108.018	112.879	4.5	4.5
61	99.15	103.741	108.332	4.43	4.43
62	95.319	99.654	103.989	4.35	4.35
63	91.655	95.748	99.841	4.28	4.28
64	88.149	92.014	95.879	4.2	4.2
65	84.795	88.443	92.091	4.13	4.13
66	81.584	85.028	88.472	4.05	4.05
67	78.511	81.761	85.011	3.98	3.98
68	75.569	78.636	81.703	3.9	3.9
69	72.752	75.645	78.538	3.83	3.83
70	70.052	72.781	75.51	3.75	3.75
71	67.466	70.04	72.614	3.68	3.68

R80=50KΩ±3% B25/50=4450K±3%					
Temp	Resistance(KΩ)			% Resist.tol)	
(℃)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
72	64.988	67.415	69.842	3.6	3.6
73	62.613	64.901	67.189	3.53	3.53
74	60.337	62.493	64.649	3.45	3.45
75	58.154	60.185	62.216	3.38	3.38
76	56.06	57.973	59.886	3.3	3.3
77	54.051	55.852	57.653	3.23	3.23
78	52.125	53.82	55.515	3.15	3.15
79	50.275	51.87	53.465	3.08	3.08
80	48.5	50	51.5	3	3
81	46.728	48.206	49.684	3.07	3.07
82	45.028	46.484	47.94	3.13	3.13
83	43.397	44.832	46.267	3.2	3.2
84	41.833	43.246	44.659	3.27	3.27
85	40.332	41.723	43.114	3.33	3.33
86	38.891	40.26	41.629	3.4	3.4
87	37.509	38.856	40.203	3.47	3.47
88	36.181	37.506	38.831	3.53	3.53
89	34.905	36.209	37.513	3.6	3.6
90	33.68	34.962	36.244	3.67	3.67
91	32.503	33.764	35.025	3.73	3.73
92	31.373	32.612	33.851	3.8	3.8
93	30.286	31.504	32.722	3.87	3.87
94	29.242	30.439	31.636	3.93	3.93
95	28.236	29.413	30.59	4	4
96	27.271	28.427	29.583	4.07	4.07
97	26.342	27.478	28.614	4.13	4.13
98	25.448	26.564	27.68	4.2	4.2
99	24.589	25.685	26.781	4.27	4.27
100	23.762	24.838	25.914	4.33	4.33
101	22.966	24.023	25.08	4.4	4.4
102	22.199	23.237	24.275	4.47	4.47
103	21.462	22.481	23.5	4.53	4.53
104	20.751	21.752	22.753	4.6	4.6

Temp	Resistance(KΩ)			% Resist.tol)	
(℃)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
105	20.067	21.049	22.031	4.67	4.67
106	19.408	20.372	21.336	4.73	4.73
107	18.773	19.72	20.667	4.8	4.8
108	18.162	19.091	20.02	4.87	4.87
109	17.573	18.485	19.397	4.93	4.93
110	17.005	17.9	18.795	5	5
111	16.459	17.337	18.215	5.07	5.07
112	15.931	16.793	17.655	5.13	5.13
113	15.422	16.268	17.114	5.2	5.2
114	14.933	15.763	16.593	5.27	5.27
115	14.46	15.275	16.09	5.33	5.33
116	14.005	14.804	15.603	5.4	5.4
117	13.565	14.349	15.133	5.47	5.47
118	13.141	13.911	14.681	5.53	5.53
119	12.733	13.488	14.243	5.6	5.6
120	12.339	13.08	13.821	5.67	5.67
121	11.958	12.685	13.412	5.73	5.73
122	11.591	12.305	13.019	5.8	5.8
123	11.238	11.938	12.638	5.87	5.87
124	10.897	11.584	12.271	5.93	5.93
125	10.567	11.242	11.917	6	6
126	10.249	10.911	11.573	6.07	6.07
127	9.943	10.593	11.243	6.13	6.13
128	9.647	10.285	10.923	6.2	6.2
129	9.362	9.988	10.614	6.27	6.27
130	9.087	9.701	10.315	6.33	6.33
131	8.822	9.425	10.028	6.4	6.4
132	8.566	9.158	9.75	6.47	6.47
133	8.319	8.9	9.481	6.53	6.53
134	8.08	8.651	9.222	6.6	6.6
135	7.85	8.411	8.972	6.67	6.67
136	7.629	8.18	8.731	6.73	6.73
137	7.416	7.957	8.498	6.8	6.8
138	7.209	7.741	8.273	6.87	6.87
139	7.011	7.533	8.055	6.93	6.93
140	6.82	7.333	7.846	7	7

R25=10KΩ±3% B25/50=3700K±3%					
Temp	Resistance(KΩ)			% (Resist.tol)	
(°C)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
-30	145.819	135.018	124.217	7	7
-29	138.071	129.126	120.181	6.93	6.93
-28	131.793	123.339	114.885	6.85	6.85
-27	125.665	117.684	109.703	6.78	6.78
-26	119.706	112.18	104.654	6.71	6.71
-25	113.933	106.843	99.753	6.64	6.64
-24	108.361	101.687	95.013	6.56	6.56
-23	102.997	96.719	90.441	6.49	6.49
-22	97.847	91.946	86.045	6.42	6.42
-21	92.915	87.371	81.827	6.35	6.35
-20	88.2	82.994	77.788	6.27	6.27
-19	83.702	78.815	73.928	6.2	6.2
-18	79.417	74.832	70.247	6.13	6.13
-17	75.342	71.041	66.74	6.05	6.05
-16	71.471	67.437	63.403	5.98	5.98
-15	67.798	64.015	60.232	5.91	5.91
-14	64.316	60.769	57.222	5.84	5.84
-13	61.017	57.692	54.367	5.76	5.76
-12	57.895	54.778	51.661	5.69	5.69
-11	54.942	52.019	49.096	5.62	5.62
-10	52.149	49.409	46.669	5.55	5.55
-9	49.51	46.941	44.372	5.47	5.47
-8	47.016	44.607	42.198	5.4	5.4
-7	44.659	42.4	40.141	5.33	5.33
-6	42.433	40.315	38.197	5.25	5.25
-5	40.332	38.345	36.358	5.18	5.18
-4	38.346	36.482	34.618	5.11	5.11
-3	36.472	34.723	32.974	5.04	5.04
-2	34.7	33.059	31.418	4.96	4.96
-1	33.027	31.487	29.947	4.89	4.89

Temp	Resistance(KΩ)			% (Resist.tol)	
(°C)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
0	31.445	30	28.555	4.82	4.82
1	29.951	28.594	27.237	4.75	4.75
2	28.538	27.264	25.99	4.67	4.67
3	27.202	26.006	24.81	4.6	4.6
4	25.938	24.815	23.692	4.53	4.53
5	24.742	23.687	22.632	4.45	4.45
6	23.61	22.619	21.628	4.38	4.38
7	22.538	21.607	20.676	4.31	4.31
8	21.522	20.647	19.772	4.24	4.24
9	20.559	19.737	18.915	4.16	4.16
10	19.646	18.874	18.102	4.09	4.09
11	18.779	18.054	17.329	4.02	4.02
12	17.958	17.276	16.594	3.95	3.95
13	17.177	16.537	15.897	3.87	3.87
14	16.436	15.834	15.232	3.8	3.8
15	15.731	15.166	14.601	3.73	3.73
16	15.061	14.53	13.999	3.65	3.65
17	14.424	13.925	13.426	3.58	3.58
18	13.817	13.349	12.881	3.51	3.51
19	13.24	12.8	12.36	3.44	3.44
20	12.69	12.277	11.864	3.36	3.36
21	12.166	11.778	11.39	3.29	3.29
22	11.666	11.302	10.938	3.22	3.22
23	11.189	10.848	10.507	3.15	3.15
24	10.734	10.414	10.094	3.07	3.07
25	10.3	10	9.7	3	3
26	9.898	9.604	9.31	3.06	3.06
27	9.514	9.226	8.938	3.13	3.13
28	9.147	8.864	8.581	3.19	3.19
29	8.796	8.519	8.242	3.25	3.25
30	8.459	8.188	7.917	3.31	3.31
31	8.137	7.871	7.605	3.38	3.38
32	7.828	7.568	7.308	3.44	3.44
33	7.532	7.277	7.022	3.5	3.5
34	7.248	6.999	6.75	3.56	3.56
35	6.977	6.733	6.489	3.63	3.63
36	6.716	6.477	6.238	3.69	3.69
37	6.466	6.232	5.998	3.75	3.75
38	6.227	5.998	5.769	3.81	3.81
39	5.997	5.773	5.549	3.88	3.88
40	5.776	5.557	5.338	3.94	3.94
41	5.564	5.35	5.136	4	4

R25=10KΩ±3% B25/50=3700K±3%					
Temp	Resistance(KΩ)			% Resist.tol)	
(°C)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
42	5.36	5.151	4.942	4.06	4.06
43	5.166	4.961	4.756	4.13	4.13
44	4.978	4.778	4.578	4.19	4.19
45	4.799	4.603	4.407	4.25	4.25
46	4.625	4.434	4.243	4.31	4.31
47	4.46	4.273	4.086	4.38	4.38
48	4.301	4.118	3.935	4.44	4.44
49	4.148	3.969	3.79	4.5	4.5
50	4.001	3.826	3.651	4.56	4.56
51	3.86	3.689	3.518	4.63	4.63
52	3.724	3.557	3.39	4.69	4.69
53	3.594	3.431	3.268	4.75	4.75
54	3.468	3.309	3.15	4.81	4.81
55	3.349	3.193	3.037	4.88	4.88
56	3.233	3.081	2.929	4.94	4.94
57	3.123	2.974	2.825	5	5
58	3.015	2.87	2.725	5.06	5.06
59	2.913	2.771	2.629	5.13	5.13
60	2.815	2.676	2.537	5.19	5.19
61	2.721	2.585	2.449	5.25	5.25
62	2.63	2.497	2.364	5.31	5.31
63	2.543	2.413	2.283	5.38	5.38
64	2.459	2.332	2.205	5.44	5.44
65	2.379	2.255	2.131	5.5	5.5
66	2.301	2.18	2.059	5.56	5.56
67	2.228	2.109	1.99	5.63	5.63
68	2.156	2.04	1.924	5.69	5.69
69	2.088	1.974	1.86	5.75	5.75
70	2.021	1.91	1.799	5.81	5.81
71	1.958	1.849	1.74	5.88	5.88
72	1.897	1.791	1.685	5.94	5.94
73	1.839	1.735	1.631	6	6
74	1.782	1.68	1.578	6.06	6.06
75	1.728	1.628	1.528	6.13	6.13

Temp		Resistance(KΩ)		% Resist.tol)	
(°C)	Rmax	R(t)Normal	Rmin	MAX(+)	MIN(-)
76	1.676	1.578	1.48	6.19	6.19
77	1.626	1.53	1.434	6.25	6.25
78	1.578	1.484	1.39	6.31	6.31
79	1.531	1.439	1.347	6.38	6.38
80	1.486	1.396	1.306	6.44	6.44
81	1.443	1.355	1.267	6.5	6.5
82	1.401	1.315	1.229	6.56	6.56
83	1.362	1.277	1.192	6.63	6.63
84	1.323	1.24	1.157	6.69	6.69
85	1.285	1.204	1.123	6.75	6.75
86	1.249	1.169	1.089	6.81	6.81
87	1.214	1.136	1.058	6.88	6.88
88	1.181	1.104	1.027	6.94	6.94
89	1.148	1.073	0.998	7	7
90	1.116	1.042	0.968	7.06	7.06
91	1.085	1.013	0.941	7.13	7.13
92	1.056	0.985	0.914	7.19	7.19
93	1.026	0.957	0.888	7.25	7.25
94	0.998	0.93	0.862	7.31	7.31
95	0.971	0.904	0.837	7.38	7.38
96	0.944	0.879	0.814	7.44	7.44
97	0.918	0.854	0.79	7.5	7.5
98	0.893	0.83	0.767	7.56	7.56
99	0.867	0.806	0.745	7.63	7.63
100	0.843	0.783	0.723	7.69	7.69
101	0.819	0.76	0.701	7.75	7.75
102	0.796	0.738	0.68	7.81	7.81
103	0.772	0.716	0.66	7.88	7.88
104	0.749	0.694	0.639	7.94	7.94
105	0.727	0.673	0.619	8	8

Airwell

■ *Just feel well*

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