

SUMMARY

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PLEASE READ IT CAREFULLY AND KEEP IT FOR SUBSEQUENT USE

This manual provides you necessary information for optimal use and maintenance This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.



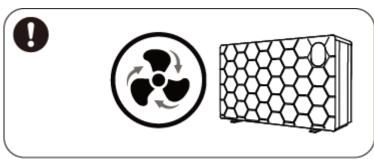
- a. Please read the following tips before installation, use and maintenance.
- b. Installation, removal and maintenance must be carried out by Professional in accordance with the instructions.
- c. Gas leakage test must be done before and after installation.
- 1. Use
- a. It must be installed or removed by professionals, and it is forbidden to dismantle and refit without permission.
- b. Don't put obstacles before the air inlet and outlet of the heat pump.

2. Installation

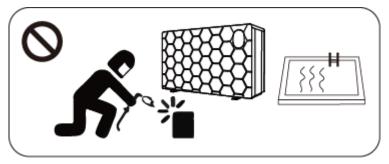
a. This product must be kept away from any source of fire.



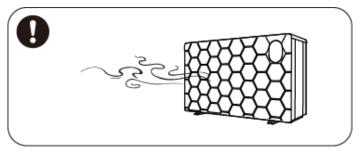
b. The installation can't be in a closed environment or indoors, and must be kept well ventilated.



c. Vacuum completely before welding, field welding is not allowed, welding can only be performed by professional personnel in professional maintenance center.



d. Installation must be stopped if any gas leakage, and the unit must be returned to professional maintenance center.



3. Transportation and Storage

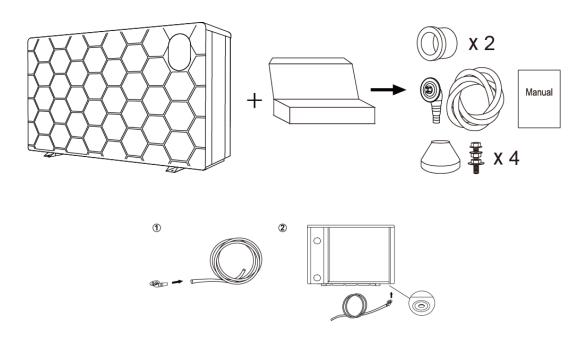
- a. Sealing is not allowed during transportation
- b. Transporting goods at a constant speed is needed to avoid sudden acceleration or sudden braking, so as to reduce the collision of goods.
- c. The unit must be far away from any source of fire.
- d. Storage place must be bright, wide, open and good ventilation, ventilation equipment is required.
- 4. Maintenance Notice
- a. If maintenance or scrap is required, contact an authorized service center nearby
- b. Qualification requirement All operators who dispose gas must be qualified by valid certification which issued by professional agency.
- c. Please strictly comply with the requirement from manufacturer when maintenance or filling gas. Please refer to the technical service manual.



1. GENERAL INFORMATION

1.1. Contents

After unpacking, please check if you have all the following components.



NOTICE:

Please install the water unions step by step.



1.2. Operating conditions and range

ITE	RANGE			
Operating range	Air temp	-20°C~43°C/-4°F~109°F		
Temp. setting	heating	18°C~40°C/64°F~104°F		

The heat pump will have ideal performance in the operation range Air $15^{\circ}C \sim 25^{\circ}C / 59^{\circ}F \sim 77^{\circ}F$.

1.3. Advantages of different modes

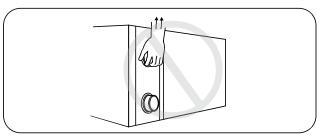
The heat pump has three modes: Turbo, Smart and Silence. They have different advantages under different conditions.

MODE	ADVANTAGES
Turbo mode	Heating capacity: 120%~20% Fast heating, intelligent optimization according to ambient temperature and water temperature Energy efficiently saving
Smart mode	Heating capacity:100%~20% Intelligent optimization according to ambient temperature and water temperature Energy efficiently saving
Silence mode	Heating capacity: 60%~20% Use at night

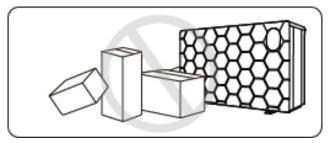
1.4. Kind reminder

In case of power failure during the operation of the machine, the machine will automatically restart when the power is restored.

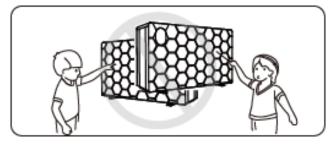
- 1.4.1. The heat pump can only be used to heat the pool water. It can NEVER be used to heat other flammable or turbid liquid.
- 1.4.2. Don't lift the water unions when moving the heat pump since the titanium heat exchanger inside the heat pump will be damaged.



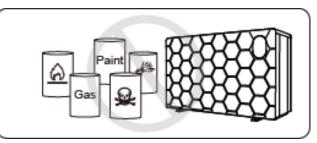
1.4.3. Don't put obstacles before the air inlet and outlet of the heat pump.



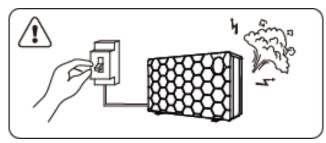
1.4.4. Do not put anything into the inlet or outlet, and do not remove the fan cover and the running fan to avoid injury.



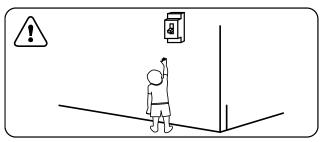
1.4.5. Don't use or store combustible gas or liquid such as thinners, paint and fuel to avoid fire.



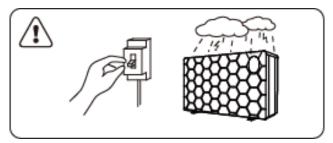
1.4.6. If any abnormal circumstances occurred, e.g.: abnormal noises, smells, smokes and leakage of electricity, switch off the main power immediately and contact your local dealer. Don't try to repair the heat pump by yourselves.



1.4.7. The main power switch should be out of the reach of Children.



1.4.8. Please cut off the power in the lightning storm weather.



1.4.9. Please note that the following codes are not failure.

	CODES
No water protection	E3
Anti-Freezing Protection	59
Out of the operating range	٤ь
Insufficient water flow protection	85
Power abnormal	E 5

2. OPERATIONS

2.1. Notice before using

- 2.1.1. For longer service life, please ensure water pump is on before heat pump starts to work, and water pump is off after heat pump is off.
- 2.1.2. Ensure no water leakage on piping system, then unlock screen and power on heat pump.

2.2. Operation instructions



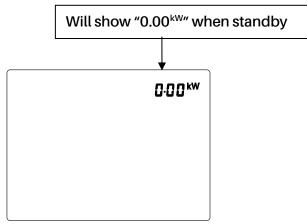
SYMBOL	DESIGNATION	FUNCTION
U	ON/OFF	 Power On/Off Wi-Fi setting
٤	Unlock	Press it for 3 seconds to unlock/lock screen
<i>?</i> ?	Speed	Select Turbo/Smart/Silence mode

-	001110		
	$\langle \rangle$	Up / Down	Adjust set temperature

Note: will be light all the time when power is on.

① Standby screen display:

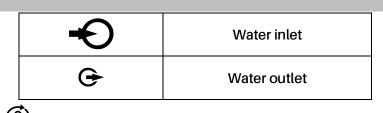
When the screen is locked, the key lamp will be off.



- ② Screen lock:
- a. If no operation in 30 seconds, screen will be locked.
- b. When HP is off, screen will be dark and "0%" or " 0.00^{kwr} will be displayed.
- c. Press for 3 seconds to lock screen and it will be dark.
- ③ Screen unlock:
- a. Press igsim for 3 seconds to unlock screen and it will be lit up.
- b. Only after screen is unlocked, any other buttons can be functioned.



<u></u>	Heating			
Ø 80 %	Heating capacity percentage			
0.68 ^{kW}	Real-time power consumption display			
((Wi-Fi connection			



- 1. Power On: Press 0 for 3 seconds to light up screen, then press 0 to power on heat pump.
- 2. Adjust Set Temperature: When screen is unlocked, press \wedge or \vee to display or adjust the set temperature.
- 3. Switching of real-time power consumption and heating capacity percentage display: Press

 $igcup_{
m and}$ igsim 5 seconds to switch between real-time power consumption display and heating capacity percentage display. Real-time power consumption function available for singlephase only.

4. Turbo/Smart/Silence mode selection:

Press 💞 to enter Turbo mode, and screen shows 📶, then press 🥰 to enter Silence mode,

the screen shows 4. Press again, the screen shows 4 and return to Smart mode.

- 5. Defrosting
- Auto Defrosting: When heat pump is defrosting, $\overset{\,}{\succ}$ will be flashing. After defrosting, $\overset{\,}{\neg}$ will a. stop flashing.
- b. Compulsory Defrosting: When heat pump is heating, press \checkmark and \checkmark together for 5

seconds to start compulsory defrosting, and $\stackrel{:}{\not\leftarrow}$ will be flashing. After defrosting, $\stackrel{:}{\not\leftarrow}$ will stop flashing.

Note: Compulsory defrosting intervals should be more than 30 minutes and the compressor should run for more than 10 minutes at heating mode.

6. Temperature display conversion between °C and °F:

Press " \land " and " \checkmark " together for 5 seconds to switch between °C and °F.

7. Wi-Fi setting

Please kindly check the last page.

2.3. Advanced application

- 2.3.1. Parameter Checking
 - a. Press ${f \mathbb{C}}$ and ${igwedge}$ together for 5 seconds to enter "Parameter Checking" status, the parameter code "P0" and the parameter value "0" will display on the screen, such as "P0 0", which means water pump running way is continuous.
 - b. In "Parameter Checking" status, press \wedge or \vee to check the parameters.
- 2.3.2. Parameter Modification

In "Parameter Checking" status, press 📽 to enter the "Parameter Modification" mode,

press \wedge or \vee to change the values, then press $\overset{\textcircled{}}{\bullet}$ to confirm and quit "Parameter

Modification" mode, press **U** to quit "Parameter Checking" status.

2.3.3. Parameter list

NO.	Content	Adjust range	Step length		
P0	Water Pump Running Way	0: Continuous 1: Water temp control 2: Time/water temp control	1		
P1	Time Setting (Only available when the water pump running way is set to "2")	10 ~ 120 min	5 min		
P2	Compressor Continuously Running Time between Defrosting Mode	30 ~ 90 min	1 min		
P3	Defrosting Entry Temp	-17~0°C / 1~32°F	1°C /1°F		
P4	Maximum Defrosting Running Time	1 ~ 12 min	1 min		
P5	Defrosting Exit Temp	8~30°C /46~86°F	1°C / 1°F		

2.3.4. Running status checking

Press **F** for 5 seconds, enter into "Running status checking", and the screen alternately shows status point "C0" and its corresponding value. Check all status points and their

corresponding value through \land or \checkmark , Press $\overset{\textcircled{}}{\bullet}$ to quit "running status checking" mode.



Running status checking list

Symbol	Content	
C0	Inlet water temp.	°C/°F
C1	Outlet water temp.	°C/°F
C2	Ambient temp.	°C/°F
C3	Exhaust temp.	
C4	Outer coil pipe temp. (Evaporator)	°C/°F
C5	Gas return temp.	°C/°F
C6	Inner coil pipe temp. (Titanium heat exchanger)	°C/°F
C9	Cooling plate temp.	°C/°F
C10	Electronic expansion valve opening	
C11	DC fan speed	

2.4. Daily maintenance and winterizing

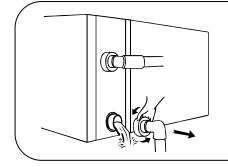
2.4.1. Daily Maintenance

A Please don't forget to cut off power supply of the heat pump

- Please clean the heat pump with household detergents or clean water, NEVER use gasoline, thinners or any similar fuel.
- > Check bolts, cables and connections regularly.

2.4.2. Winterizing

In winter season when you don't swim, please cut off power supply and drain water out of the heat pump. When using the heat pump under $2^{\circ}C/36^{\circ}F$, make sure there is always water flow.



Attention

Unscrew the lower water union of inlet pipe to let the water flow out. When the water in machine freezes in winter season, the titanium heat exchanger may be damaged.

3. TECHNICAL SPECIFICATION

Model	X20-09	X20-11	X20-14	X20-16	X20-18	X20-22	
Advised pool volume (m ³)	18~35	25~40	30~50	35~60	40~65	45~75	
Working air temp (°C / °F) -20 ~43 / -4 ~109							
Performance Condition: Air 26°C / 80°F, Water 26°C / 80°F, Humidity 80%							
Heating capacity (kW) in Turbo mode	9.5	11.5	14.0	16.5	18.5	22.0	
Heating capacity (kW) in Smart mode	8.0	9.0	12.0	14.0	15.4	18.0	
СОР	19.5~7.3	20.2~7.6	20.0~7.8	20.5~7.4	19.6~7.2	21~7.4	
COP at 50% capacity	14.6	15.0	15.2	15.1	14.8	15.3	
COP at 20% capacity	19.5	20.2	20.0	20.5	19.6	21.0	
Performance Condition: A	ir 15°C / 59°F,	Water 26°C/	80°F, Humidit	ty 70%			
Heating capacity (kW) in Turbo mode	6.5	7.7	9.2	11.0	12.5	14.8	
Heating capacity (kW) in Smart mode	5.4	6.4	7.5	9.2	10.4	12.5	
СОР	8.0~5.2	8.7~5.6	8.1~5.4	9.0~5.3	8.2~5.1	9.0~5.4	
COP at 50% capacity	7.2	7.5	7.3	7.7	7.3	7.6	
COP at 20% capacity	8.0	8.7	8.1	9.0	8.2	9.0	
Performance Condition: A	ir 7°C / 45 °F, V	Water 26°C / 8	30°F, Humidity	/ 90%			
Heating capacity (kW) in Turbo mode	5.0	6.6	7.4	9.2	10.5	11.8	
СОР	7.1~4.5	7.2~4.9	7.1~4.6	7.2~4.6	7.0~4.4	7.4~4.5	
Sound pressure at 1m dB(A)	36.6~43.4	37.7~44.8	37.8~45.9	41.0~46.7	41.5~47.3	41.9~49.5	
Sound pressure of 50% capacity at 1m dB(A)	37.6	38.8	40.3	42.7	42.5	43.3	
Sound pressure at 10m dB(A)	16.6~23.4	17.7~24.8	17.8~25.9	21.0~26.7	21.5~27.3	21.9~29.5	
Power supply			230V/	1 Ph / 50Hz			
Rated input power (kW) at air 15°C / 59°F	0.14~1.25	0.15~1.38	0.19~1.7	0.20~2.08	0.25~2.45	0.27~2.74	
Rated input current (A) at air 15°C / 59°F	0.61~5.43	0.65~6.00	0.83~7.39	0.87~9.04	1.09~10.65	1.17~11.9	
Advised water flux (m ³ /h)	2~4	2~4	3~4	4~6	4~6	6.5~8.5	
Water pipe in-out Spec (mm)				48.3			
Net Dimension L × W × H (mm)	910×432×660	910×432×660	945×432×660	1045×432×660	1045×432×660	1195×432×760	
Net Weight (kg)	63	63	65	72	73	82	

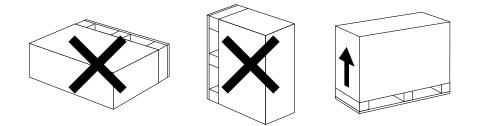
FOR USERS								
Model	X20-26	X20-32	X20-32T	X20-40T				
Advised pool volume (m ³)	55~90	55~90 65~105		75~120				
Working air temp (°C / °F) -20 ~43 / -4 ~109								
Performance Condition: Air 26°C / 80°F, Wate	Performance Condition: Air 26°C / 80°F, Water 26°C / 80°F, Humidity 80%							
Heating capacity (kW) in Turbo mode	26.5	32.0	32.0	40.0				
Heating capacity (kW) in Smart mode	22.5	27.5	27.5	35.0				
C.O.P in Smart mode	20.7~7.5	20.0~7.3	20.0~7.3	20.1~7.3				
C.O.P	15.2	15.1	15.1	15.0				
C.O.P at 50% capacity	20.7	20.0	20.0	20.1				
Performance Condition: Air 15°C / 59°F, Wate	r 26°C / 80°F, Hum	idity 70%						
Heating capacity (kW) in Turbo mode	18.2	22.3	22.3	28.5				
Heating capacity (kW) in Smart mode	15.0	18.5	18.5	24.0				
C.O.P in Smart mode	9.5~5.5	8.3~5.4	8.3~5.4	8.2~5.0				
C.O.P	8.0	7.6	7.6	7.5				
C.O.P at 50% capacity	9.5	8.3	8.3	8.2				
Performance Condition: Air 7°C / 45 °F, Water	26°C / 80°F, Humi	dity 90%						
Heating capacity (kW) in Turbo mode	15.5	17.8	17.8	22.8				
СОР	7.3~4.7	7.3~4.7	7.0~4.5	7.0~4.3				
Sound pressure at 1m dB(A)	39.7~49.8	42.1~50.3	42.1~50.3	41.5~50.5				
Sound pressure of 50% capacity at 1m dB(A)	43.1	45.2	45.2	42.5				
Sound pressure at 10m dB(A)	19.7~29.8	22.1~30.3	22.1~30.3	21.5~30.5				
Power supply	230V/1 P	h / 50Hz	400V /3	Ph / 50Hz				
Rated input power (kW) at air 15°C / 59°F	0.32~3.31	0.46~4.1	0.46~4.1	0.60~5.7				
Rated input current (A) at air 15°C / 59°F	1.39~14.4	2.01~17.8	0.66~5.91	0.87~8.22				
Advised water flux (m ³ /h)	8~10	10~12	10~12	12~18				
Water pipe in-out Spec (mm)		48.	3					
Net Dimension L × W × H (mm)	1072×536×956	1264×536×956	1264×536×956	1364×536×956				
Net Weight (kg)	100	122	132	147				

• The values indicated are valid under ideal conditions: Pool covered with an isothermal cover, filtration system running at least 15 hours a day.

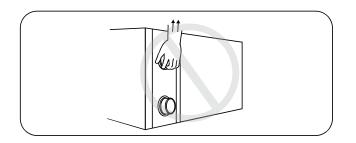
• Related parameters subject to adjustment periodically for technical improvement without further notice. For details please refer to nameplate.

1. TRANSPORTATION

1.1. When storing or moving the heat pump, the heat pump should be at the upright position.



1.2. When moving the heat pump, do not lift the water unions since the titanium heat exchanger inside the heat pump will be damaged.

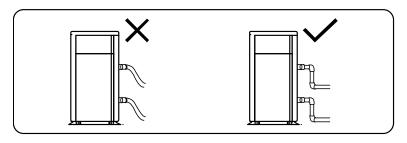


2. INSTALLATION AND MAINTENANCE

A The heat pump must be installed by a professional team. The users are not qualified to

install by themselves, otherwise the heat pump might be damaged and risky for users' safety.

- 2.1. Notice before installation
- 2.1.1. The inlet and outlet water unions can't bear the weight of soft pipes. The heat pump must be connected with hard pipes!

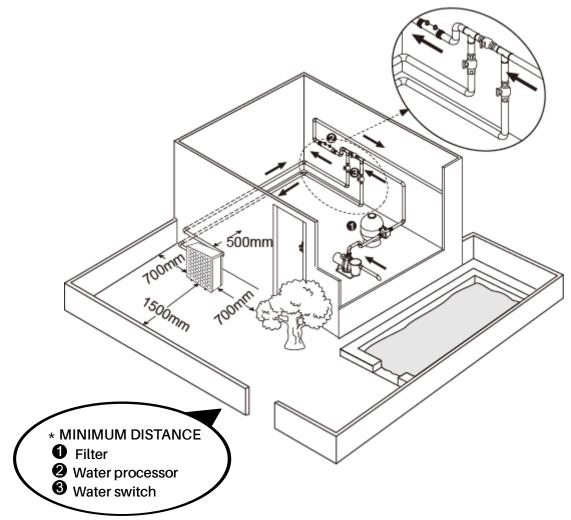


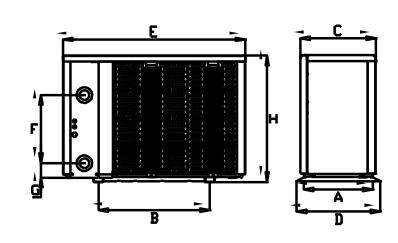
2.1.2. In order to guarantee the heating efficiency, the water pipe length should be ≤10m between the pool and the heat pump.

2.2. Installation instruction

2.2.1. Location and size

• To avoid air recirculation, the heat pump should be installed in a place with good ventilation or should reserve sufficient space for installation and maintenance. Please refer to the schema below:





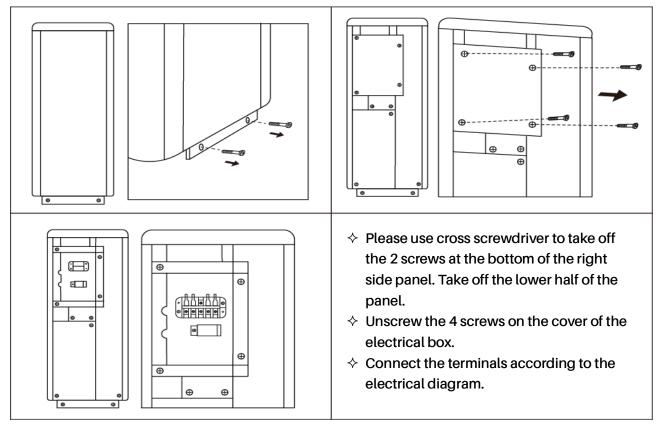
	UNIT=MM	A	В	С	D	E	F	G	н
	X20-09	402	539	389	432	910	300	73	660
	X20-11	402	539	389	432	910	300	73	660
	X20-14	402	574	389	432	945	340	73	660
	X20-16	402	674	389	432	1045	370	73	660
MODEL	X20-18	402	674	389	432	1045	380	73	660
NOI	X20-22	402	824	389	432	1195	470	73	760
	X20-26	511	700	498	536	1072	550	73	956
	X20-32	511	891	498	536	1264	570	73	956
	X20-32T	511	891	498	536	1264	570	73	956
	X20-40T	511	991	498	536	1364	670	73	956

X Above data is subject to modification without notice.

2.2.2. Heat pump installation.

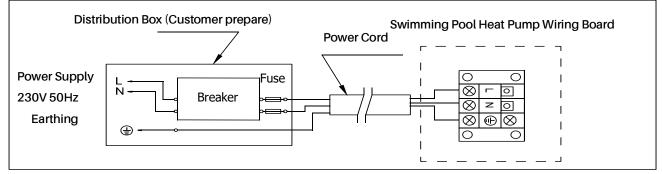
- The frame must be fixed by bolts (M10) to concrete foundation or brackets. The concrete foundation must be solid; the bracket must be strong enough and anti-rust treated;
- ➤ The heat pump needs a water pump (Supplied by the user). The recommended pump specification-flux: refer to Technical Parameter, Max. lift ≥10m
- When the heat pump is running, there will be condensation water discharged from the bottom, please pay attention to it. Please insert the drainage tube (accessory) into the hole and clip it well, then connect a pipe to drain off the condensation water.
- 2.2.3. Wiring and protecting devices and cable specification
 - Connect to appropriate power supply, the voltage should comply with the rated voltage of the products.
 - > Well earth the heat pump.
 - > Wiring must be connected by a professional technician according to the circuit diagram.
 - Set breaker or fuse according to the local code (leakage operating current \leq 30mA).
 - The layout of power cable and signal cable should be orderly and not affecting each other. Considering the environmental conditions (ambient temperature, direct sunlight, rain, grid voltage, cable length, etc.), the cross-sectional area of the cable can be appropriately increased.

1. Connecting your power wire

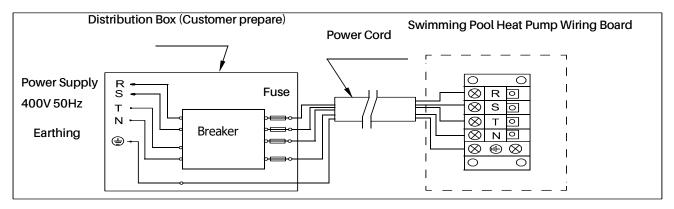


A 2. Wiring diagram

A. For power supply: 230V 50Hz



B. For power supply: 400V 50Hz



NOTE:

A Must be hard wired, no plug allowed.

- For your safe use in winter, it's strongly recommended to equip heating priority function.
- For the detailed wiring diagram, please refer to Appendix 1.

MODEL		X20-09	X20-11	X20-14	X20-16	X20-18	X20-22
Breaker	Rated Current (A)	11.0	12.0	15.0	19.0	20.0	22.5
	Rated Residual Action Current (mA)	30	30	30	30	30	30
Max input current (A)		9.0	10.0	12.5	16.0	16.5	18.5
Fuse (A)		11.0	12.0	15.0	19.0	20.0	22.5
Power Cord (mm ²)		3×2.5	3×2.5	3×2.5	3×2.5	3×2.5	3×4
Signal cable (mm²)		3×0.5	3×0.5	3×0.5	3×0.5	3×0.5	3×0.5

MODEL		X20-26	X20-32	X20-32T	X20-40T
	Rated Current (A)	24.5	28.5	11.3	15.0
Breaker	Rated Residual Action Current (mA)	30	30	30	30
Max inpu	it current (A)	20.5	24.0	9.4	12.5
Fuse (A)	Fuse (A)		28.5	11.3	15.0
Power Cord (mm ²)		3×4	3×6	5×2.5	5×2.5
Signal cable (mm²)		3×0.5	3×0.5	3×0.5	3×0.5

NOTE: The above data is adapted to power cord \leq 5m. If power cord is >5m, wire diameter must be increased. The signal cable can be extended to 50m at most.

2.3. Trial after installation

A Please check all the wirings carefully before turning on the heat pump.

2.3.1. Inspection before use

- Check installation of the whole heat pump and the pipe connections according to the pipe connecting drawing;
- Check the electric wiring according to the electrical wiring diagram and earthing connection;
- Make sure that the main power is well connected;
- > Check if there is any obstacle in front of the air inlet and outlet of the heat pump
- 2.3.2. Trial
 - Water pump should start before the heat pump, and turn off after the heat pump for long life.
 - > After the water pump starts, please make sure no leakage of water. Then power on and

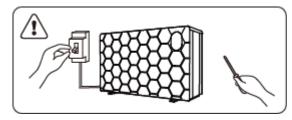
press the ON/OFF button of the heat pump, and set desired temperature.

- In order to protect the heat pump, the heat pump is equipped with start delay function. When starting the heat pump, the fan will start to run in 3 minutes, in another 30 seconds, the compressor will start to run.
- > After pool heat pump starts up, check for any abnormal noise from the heat pump.
- > Check the temperature setting.
- 2.4. Maintenance and winterizing

2.4.1. Maintenance

A The maintenance should be carried out once per year by qualified professional technician.

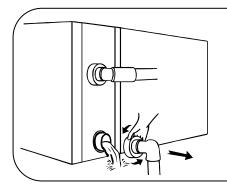
 Cut off power supply of the heat pump before cleaning, examination and repairing.
 Do not touch the electronic components until the LED indication lights on PC board turn off.



- Please clean the evaporator with household detergents or clean water, NEVER use gasoline, thinners or any similar fuel.
- > Check bolts, cables and connections regularly.

2.4.2. Winterizing

In winter season when you don't swim, please cut off power supply and drain water out of the heat pump. When using the heat pump under 2°C / 36°F, make sure there is always water flow.



🖄 Attention

Unscrew the lower water union of inlet pipe to let the water flow out. When the water in machine freezes in winter season, the titanium heat exchanger may be damaged.

3. TROUBLE SHOOTING FOR COMMON FAULTS

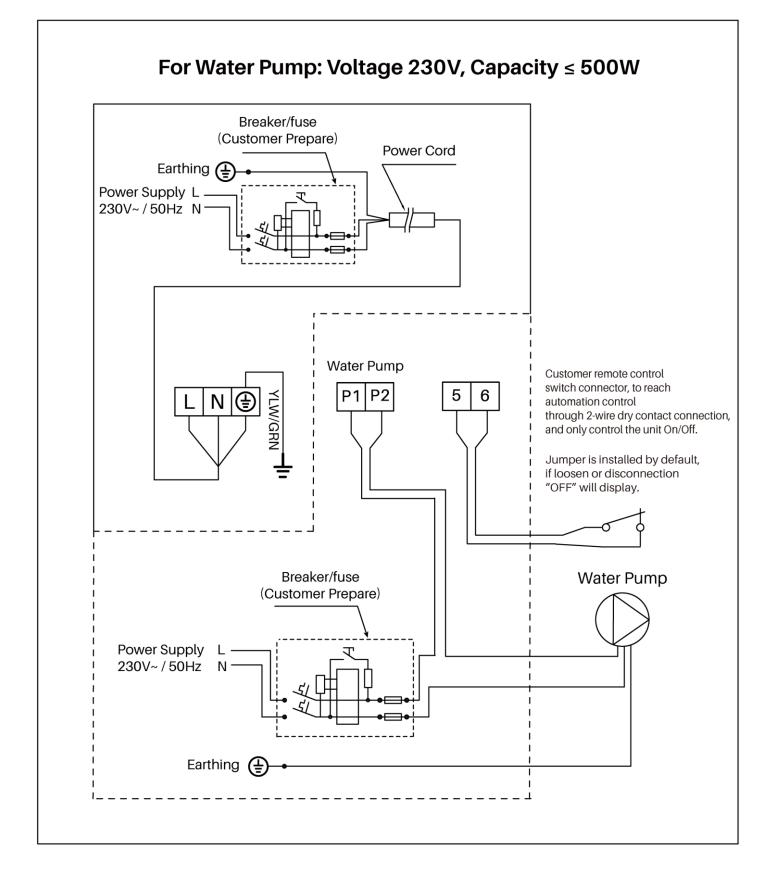
FAILURE	REASON	SOLUTION	
	No power	Wait until the power recovers	
Heat nump dooon't rup	Power switch is off	Switch on the power	
Heat pump doesn't run	Fuse burned	Wait until the power recoversSwitch on the powerCheck and change the fuseCheck and turn on the breakerRemove the obstaclesRemove the obstaclesWait patientlySet proper heating temp.Wait patiently	
	The breaker is off	Check and turn on the breaker	
	evaporator blocked	Remove the obstacles	
Fan running but with insufficient heating	Air outlet blocked	Remove the obstacles	
insumcient neating	3 minutes start delay	Wait patiently	
Display normal, but no	Set temp. too low	Set proper heating temp.	
heating	3 minutes start delay	Wait patiently	
If above solutions don't work, please contact your installer with detailed information and your model number. Don't try to repair it yourself.			

ATTENTION! Please don't try to repair the heat pump by yourself to avoid any risk.

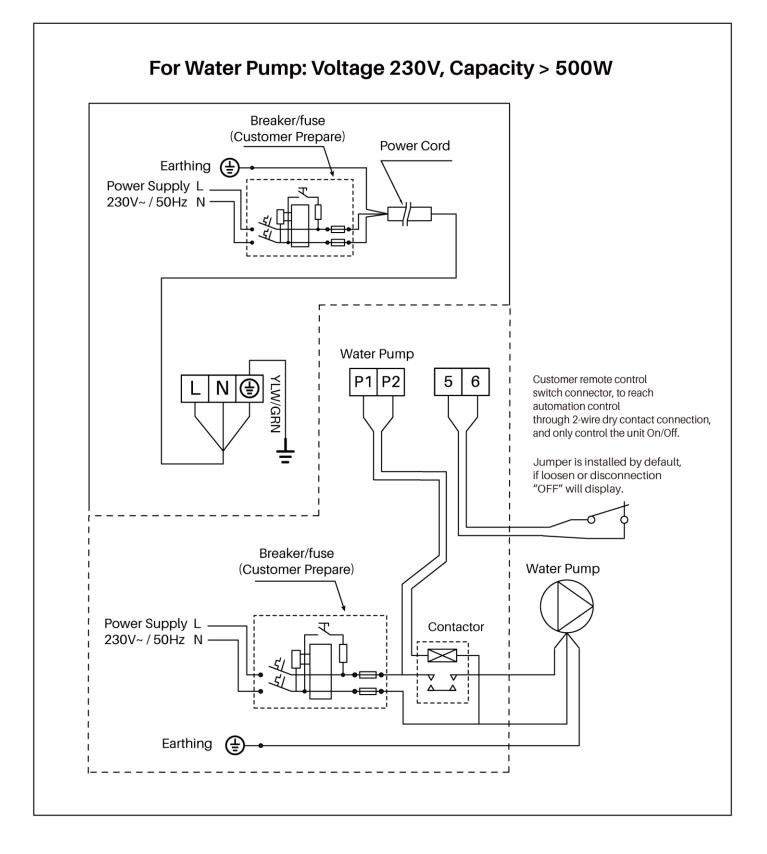
4. FAILURE CODE

NO.	DISPLAY	NOT FAILUREDESCRIPTION		
1	E3	No water protection		
2	E5	Power supply excesses operation range		
3	E6	Excessive temp difference between inlet and outlet water (Insufficient water flow protection)		
4	Eb	Ambient temperature too high or too low protection		
5	Ed	Anti-freezing reminder		
6	OFF	Customer Control Switch DIN2 Disconnect		
NO.	Display	Failure description		
1	E1	High pressure protection		
2	E2	Low pressure protection		
3	E4	Phases lack protection (three phase model only)		
4	E7	Water outlet temp too high or too low protection		
5	E8	High exhaust temp protection		
6	EA	Evaporator overheat protection (only at cooling mode)		
7	P0	Controller communication failure		
8	P1	Water inlet temp sensor failure		
9	P2	Water outlet temp sensor failure		
10	P3	Gas exhaust temp sensor failure		
11	P4	Heating (Evaporator) coil pipe temp sensor		
12	P5	Gas return temp sensor failure		
13	P6	Cooling (Titanium heat exchanger) coil pipe temp sensor		
14	P7	Ambient temp sensor failure		
15	P8	Cooling plate sensor failure		
16	P9	Current sensor failure		
17	PA	Restart memory failure		
18	F1	Compressor drive module failure		
19	F2	PFC module failure		
20	F3	Compressor start failure		
21	F4	Compressor running failure		
22	F5	Inverter board over current protection		
23	F6	Inverter board overheat protection		
24	F7	Current protection		
25	F8	Cooling plate overheat protection		
26	F9	Fan motor failure		
27	Fb	Capacitor no charging protection		
28	FA	PFC module over current protection		
29	8888	Communication failure		

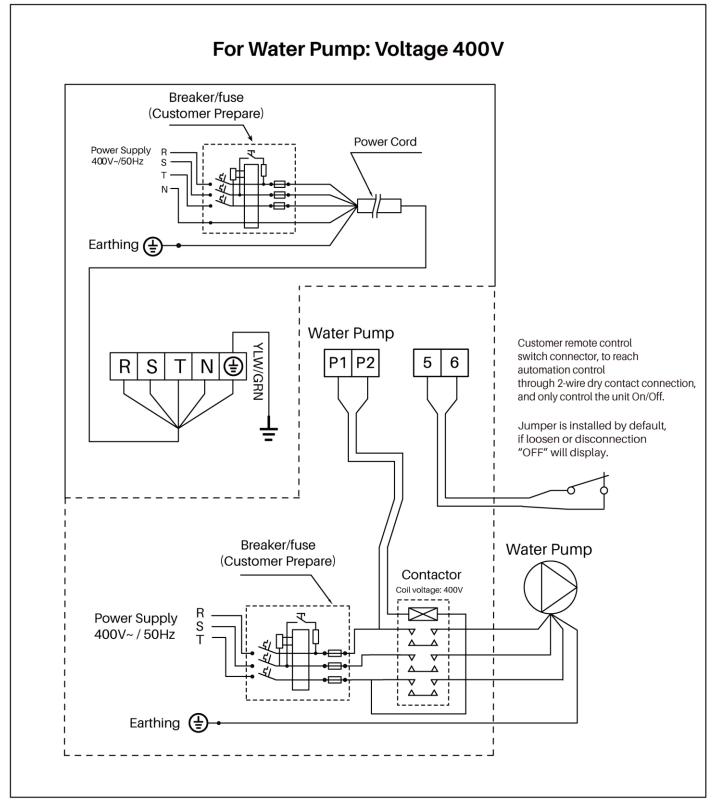
APPENDIX 1: HEATING PRIORITY WIRING DIAGRAM (OPTIONAL)



APPENDIX 2: HEATING PRIORITY WIRING DIAGRAM (OPTIONAL)



APPENDIX 3: HEATING PRIORITY WIRING DIAGRAM (OPTIONAL)



Parallel connection with filtration timer

If the user wants to connect the water pump timer, the installer should connect water pump timer and water pump wiring of heat pump in parallel. So that water pump can start when water pump timer or water pump wiring of heat pump is connected, and water pump will only be switched off when both are disconnected at the same time.

5. WI-FI SETTING

5.1. APP Download



Android Mobile please download from

ANDROID APP ON Google play iPhone please download from



- 5.2. Account registration
 - a) Registration by Cell phone number/Email

FAIRLAND	
Log in with existing account	
Register	
	$\Big) \Big)$

b) Cell phone number registration



5.3. Create family

Please set a name for the family and choose the room of the device.

				$\overline{}$	
	← Add family	Save	← Add family	Save	
	Family name ABC		Family name ABC		
	Family location Set geograp	Family location Set geographic locati >		Family location Set geographic locati	
	Smart devices in rooms:		Smart devices in rooms:		
	Living Room	⊘	Living Room	\odot	
	Master Bedroom	⊘ ►	M Family created success	sfully	
Turn on your smart life	Second Bedroom	⊘	Se View family Cor	npleted	
Create family	Dining Room	\odot	Dinng woom		
	Kitchen	⊘	Kitchen	\odot	
	Study Room	⊘	Study Room	\odot	
	Add another room		Add another room		
		J			

5.4. Three methods of device binding

Please connect your phone to the Wi-Fi network first.



5.4.1. Auto Discovery (Bluetooth)

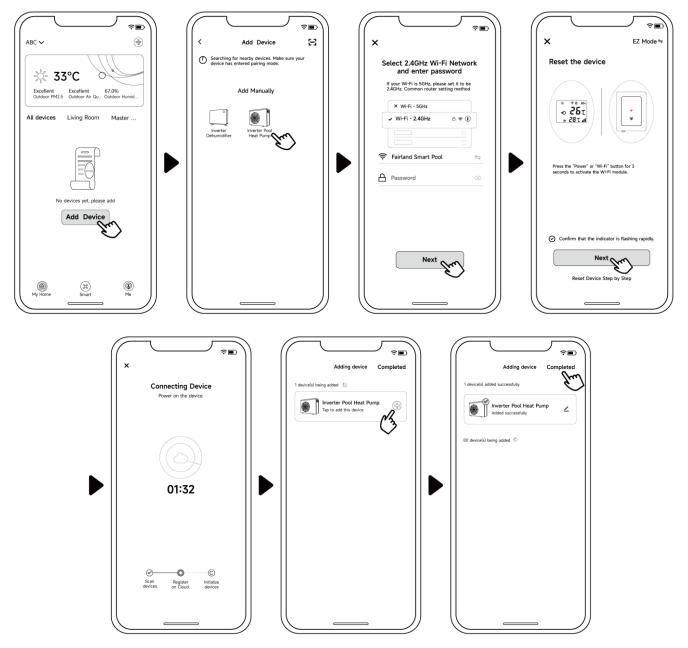
- a) Please make sure the Bluetooth function is enabled on your phone.
- b) Press \bigcup for 3 seconds after the screen unlock, $\widehat{\mathfrak{T}}$ will be flashing rapidly to enter Wi-Fi binding status.
- c) Click "Add Device", wait for the app to search for the device and then click "add", then follow the instructions below to finish the device binding.



Note:

- 1. It will take some time to scan, please be patient.
- 2. Only Wi-Fi modules with Bluetooth functions can use this method.

- 5.4.2. EZ Mode (Easy-connect)
 - a) Activate the Wi-Fi module
 - b) Press U for 3 seconds after the screen unlocks, will be flashing rapidly to enter Wi-Fi binding status.
 - c) Click "Add device", and follow the instructions below to finish binding. $\widehat{\circ}$ display on the screen once the Wi-Fi connection success.



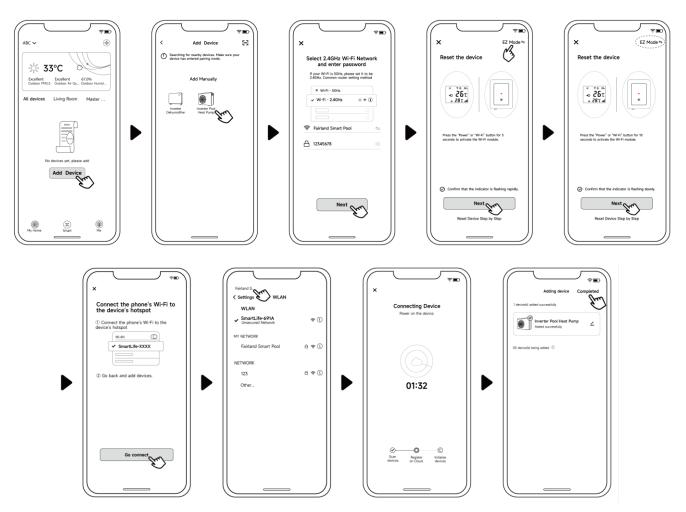
Note:

- 1. After allowing the APP to locate, it can read the Wi-Fi name automatically.
- 2. Before clicking "Completed", you need to click "+" once.

5.4.3. AP Mode

Activate Wi-Fi module

- a) Press \bigcup for 10 seconds after the screen unlock, $\widehat{\mathfrak{T}}$ will be flashing slowly to enter Wi-Fi binding status.
- b) Click "Add device", and follow the instructions below to finish binding. Single display on the screen once the Wi-Fi connection success.

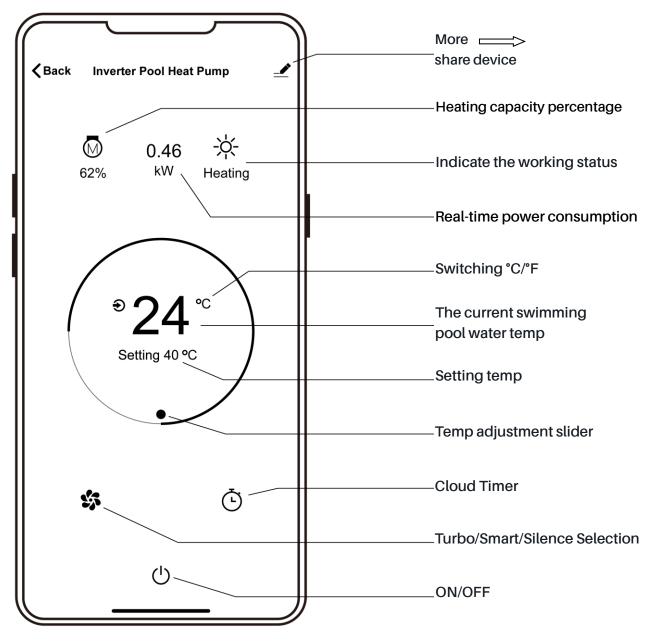


Note: If it doesn't jump automatically, click "Confirm hotspot connection, next".

- 5.4.4. If connect fails, please make sure your network name and password are correct. And your router, mobile phone and device are as close as possible.
- 5.4.5. Wi-Fi rebinding (When Wi-Fi password changes or network configuration changes)
 Press U for 10 seconds, will be flashing slowly for 60 seconds. Then will be off. The original binding will be removed. Follow steps above for rebinding.
 Remarks: Please make sure the router is configured at 2.4 GHz.

5.5. Operation instructions

The following instructions are for heat pumps with heating function only.



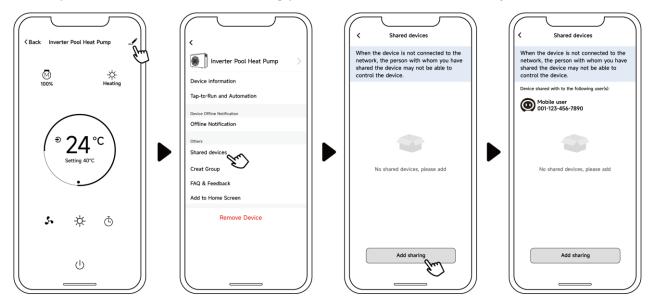


5.6. Share devices with your family members

After binding, if your family members also want to control the device.

Please let your family members register the APP first, and then the administrator can

operate as below (The following pictures are for reference only):



Then your family members will see this heat pump once they log in to the APP.

Notice: 1. The weather forecast is just for reference.

2. APP is subject to update without notice.



Thank you for choosing Fairland TurboSilence Inverter.

The factory reserves the final interpretation right.

And keep the right to stop or change product specification and design without prior notice at any time, no need to bear the resulting obligations.



Version: Gc2XPr32