Fault code	Panel description	Detail description
AL001	AL001 Too many mem writings	Storage type variables are frequently written frequent
AL002	AL002 Retain mem write error	Frequent alarms for writing errors in storage variables
AL003	AL003 Inlet probe error	Inlet water temperature probe malfunction or offline
AL004	AL004 Outlet probe error	The outlet temperature probe is faulty or offline
AL005	AL005 Ambient probe error	The ambient temperature probe is faulty or offline
AL006	AL006 Condenser coil temp	The condensing coil temperature probe is faulty or of
AL007	AL007 Water flow switch	Water flow switch alarm
AL008	AL008 Phase sequ.prot.alarm	Phase sequence protection switch alarm
AL009	AL009 Unit work hour warning	Unit working hours warning
AL010	AL010 Pump work hour warning	Water pump working hours warning
AL011	AL011 Comp.work hour warning	Compressor working time warning
AL012	AL012 Cond.fan work hourWarn	Working time of condensing fan
AL013	AL013 Low superheat - Vlv.A	EEV valve A low superheat alarm
AL014	AL014 Low superheat - Vlv.B	EEV valve B low superheat alarm
AL015	AL015 LOP - Vlv.A	EEV valve A LOP alarm
AL016	AL016 LOP - Vlv.B	EEV valve B LOP alarm
AL017	AL017 MOP - Vlv.A	EEV valve A MOP alarm
AL018	AL018 MOP - Vlv.B	EEV valve B MOP alarm
AL019	AL019 Motor error - Vlv.A	EEV valve A alarm
AL020	AL020 Motor error - Vlv.B	EEV valve B alarm
AL021	AL021 Low suct.temp. - Vlv.A	EEV valve A low suction temperature alarm
AL022	AL022 Low suct.temp. - Vlv.B	EEV valve B low suction temperature alarm
AL023	AL023 High condens.temp.EVD	EEV high condensation temperature alarm
AL024	AL024 Probe S1 error EVD	EEV S1 probe alarm
AL025	AL025 Probe S2 error EVD	EEV S2 probe alarm
AL026	AL026 Probe S3 error EVD	EEV S3 probe alarm
AL027	AL027 Probe S4 error EVD	EEV S4 probe alarm
AL028	AL028 Battery discharge EVD	EEV battery failure
AL029	AL029 EEPROM alarm EVD	EEV EEPROM alarm
AL030	AL030 Incomplete closing EVD	EEV did not completely turn off the alarm
AL031	AL031 Emergency closing EVD	EEV emergency shutdown alarm
AL032	AL032 FW not compatible EVD	EEV FW version does not match
AL033	AL033 Config. error EVD	EEV configuration error
AL034	AL034 EVD Driver offline	EEV offline alarm
AL035	AL035 BLDC-alarm:High startup DeltaP	BLDC-Starting pressure difference is too high
AL036	AL036 BLDC-alarm:Compressor shut off	BLDC-compressor off
AL037	AL037 BLDC-alarm:Out of Envelope	BLDC-Out of operating range
AL038	AL038 BLDC-alarm:Starting fail wait	BLDC-compressor failed to start
AL039	AL039 BLDC-alarm:Starting fail exceeded	BLDC-compressor failed to start
AL040	AL040 BLDC-alarm:Low delta pressure	BLDC- low dropout
AL041	AL041 BLDC-alarm:High discarge gas temp	BLDC-High exhaust temperature
AL042	AL042 Envelope-alarm:High compressor ratio	Envelope-high pressure ratio
AL043	AL043 Envelope-alarm:High discharge press.	Envelope-High exhaust pressure
AL044	AL044 Envelope-alarm:High current	Envelope-high current
AL045	AL045 Envelope-alarm:High suction pressure	Envelope-High suction pressure
AL046	AL046 Envelope-alarm:Low compressor ratio	Envelope-low pressure ratio
AL047	AL047 Envelope-alarm:Low pressure diff.	Envelope-low pressure drop
AL048	AL048 Envelope-alarm:Low discharge pressure	Envelope-low exhaust pressure
AL049	AL049 Envelope-alarm:Low suction pressure	Envelope-low suction pressure
AL050	AL050 Envelope-alarm:High discharge temp.	Envelope-High exhaust temperature
AL051	AL051 Power+ alarm:01-Overcurrent	Power+01-Overcurrent
AL052	AL052 Power+ alarm:02-Motor overload	Power+02-motor overload
AL053	AL053 Power+ alarm:03-DCbus overvoltage	Power+03-DCbus overvoltage
AL054	AL054 Power+ alarm:04-DCbus undervoltage	Power+04-DCbus undervoltage
AL055	AL055 Power+ alarm:05-Drive overtemp.	Power+05-Inverter overheating
AL056	AL056 Power+ alarm:06-Drive undertemp.	Power+06-Inverter under temperature
AL057	AL057 Power+ alarm:07-Overcurrent HW	Power+07-Overcurrent HW
AL058	AL058 Power+ alarm:08-Motor overtemp.	Power+08-Motor overheated
AL059	AL059 Power+ alarm:09-IGBT module error	Power+09-IGBT module failure
AL060	AL060 Power+ alarm:10-CPU error	Power+10-CPU failure
AL061	AL061 Power+ alarm:11-Parameter default	Power+11- parameter missing
AL062	AL062 Power+ alarm:12-DCbus ripple	Power+12-Bus voltage fluctuation
AL063	AL063 Power+ alarm:13-Data comm. Fault	Power+13-Data communication failure
AL064	AL064 Power+ alarm:14-Thermistor fault	Power+14-Thermistor failure
AL065	AL065 Power+ alarm:15-Autotuning fault	Power+15-Automatic adjustment failure
AL066	AL066 Power+ alarm:16-Drive disabled	Power+16-Inverter disabled
AL067	AL067 Power+ alarm:17-Motor phase fault	Power+17-motor phase sequence failure

AL068	AL068 Power+ alarm:18-Internal fan fault	Power+18-fan failure
AL069	AL069 Power+ alarm:19-Speed fault	Power+19-speed failure
AL070	AL070 Power+ alarm:20-PFC module error	Power+20-PFC module failure
AL071	AL071 Power+ alarm:21-PFC overvoltage	Power+21-PFC overvoltage
AL072	AL072 Power+ alarm:22-PFC undervoltage	Power+22-PFC undervoltage
AL073	AL073 Power+ alarm:23-STO DetectionError	Power+23-STO error detection
AL074	AL074 Power+ alarm:24-STO DetectionError	Power+24-STO error detection
AL075	AL075 Power+ alarm:25-Ground fault	Power+25-ground fault
AL076	AL076 Power+ alarm:26-Internal error 1	Power+26-CPU synchronization error 1
AL077	AL077 Power+ alarm:27-Internal error 2	Power+27-CPU synchronization error 2
AL078	AL078 Power+ alarm:28-Drive overload	Power+28-Inverter overload
AL079	AL079 Power+ alarm:29-uC safety fault	Power+29: uC safety fault
AL080	AL080 Power+ alarm:98-Unexpected restart	Power+98: Unexpected restart
AL081	AL081 Power+ alarm:99-Unexpected stop	Power+99: Unexpected stop
AL082	AL082 Power+ safety alarm:01-Current meas.fault	Power+ safety alarm:01-Current meas.fault
AL083	AL083 Power+ safety alarm:02-Current unbalance	Power+ safety alarm:02-Current unbalanced
AL084	AL084 Power+ safety alarm:03-Over current	Power+ safety alarm:03-Over current
AL085	AL085 Power+ safety alarm:04-STO alarm	Power+ safety alarm:04-STO alarm
AL086	AL086 Power+ safety alarm:05-STO hardware alarr	Power+ safety alarm:05-STO hardware alarm
AL087	AL087 Power+ safety alarm:06-PowerSupply missi	Power+ safety alarm:06-PowerSupply missing
AL088	AL088 Power+ safety alarm:07-HW fault cmd.buffe	Power+ safety alarm:07-HW fault cmd.buffer
AL089	AL089 Power+ safety alarm:08-HW fault heater c.	Power+ safety alarm:08-HW fault heater c.
AL090	AL090 Power+ safety alarm:09-Data comm. Fault	Power+ safety alarm:09-Data comm. Fault
AL091	AL091 Power+ safety alarm:10-Compr. stall detect	Power+ safety alarm:10-Compr. stall detect
AL092	AL092 Power+ safety alarm:11-DCbus over current	Power+ safety alarm:11-DCbus over current
AL093	AL093 Power+ safety alarm:12-HWF DCbus curren	Power+ safety alarm:12-HWF DCbus current
AL094	AL094 Power+ safety alarm:13-DCbus voltage	Power+ safety alarm:13-DCbus voltage
AL095	AL095 Power+ safety alarm:14-HWF DCbus voltag	Power+ safety alarm:14-HWF DCbus voltage
AL096	AL096 Power+ safety alarm:15-Input voltage	Power+ safety alarm:15-Input voltage
AL097	AL097 Power+ safety alarm:16-HWF input voltage	Power+ safety alarm:16-HWF input voltage
AL098	AL098 Power+ safety alarm:17-DCbus power alarn	Power+ safety alarm:17-DCbus power alarm
AL099	AL099 Power+ safety alarm:18-HWF power misma	Power+ safety alarm:18-HWF power mismatch
AL100	AL100 Power+ safety alarm:19-NTC over temp.	Power+ safety alarm:19-NTC over temp.
AL101	AL100 Power+ safety alarm:20-NTC under temp.	Power+ safety alarm:20-NTC under temp.
AL102	AL102 Power+ safety alarm:21-NTC fault	Power+ safety alarm:21-NTC fault
AL103	AL103 Power+ safety alarm:22-HWF sync fault	Power+ safety alarm:22-HWF sync fault
AL104	AL104 Power+ safety alarm:23-Invalid parameter	Power+ safety alarm:23-Invalid parameter
AL105	AL105 Power+ safety alarm:24-FW fault	Power+ safety alarm:24-FW fault
AL106	AL106 Power+ safety alarm:25-HW fault	Power+ safety alarm:25-HW fault
AL107	AL107 Power+ safety alarm:26-reseved	Power+ safety alarm:26-reseved
AL108	AL108 Power+ safety alarm:27-reseved	Power+ safety alarm:27-reseved
AL109	AL109 Power+ safety alarm:28-reseved	Power+ safety alarm:28-reseved
AL110	AL110 Power+ safety alarm:29-reseved	Power+ safety alarm:29-reseved
AL111	AL111 Power+ safety alarm:30-reseved	Power+ safety alarm:30-reseved
AL112	AL112 Power+ safety alarm:31-reseved	Power+ safety alarm:31-reseved
AL113	AL113 Power+ safety alarm:32-reseved	Power+ safety alarm:32-reseved
AL114	AL114 Power+ alarm:Power+ offline	Inverter offline alarm
AL115	AL115 EEV alarm:Low superheat	EEV low superheat alarm
AL116	AL116 EEV alarm:LOP	EEV LOP alarm
AL117	AL117 EEV alarm:MOP	EEV MOP alarm
AL118	AL118 EEV alarm:High condens.temp.	EEV high condensation temperature alarm
AL119	AL119 EEV alarm:Low suction temp.	EEV low suction temperature alarm
AL120	AL120 EEV alarm:Motor error	EEV motor failure
AL121	AL121 EEV alarm:Self Tuning	EEV self-response PID error
AL122	AL122 EEV alarm:Emergency closing	EEV emergency shutdown alarm
AL123	AL123 EEV alarm:Temperature delta	EEV temperature difference protection
AL124	AL124 EEV alarm:Pressure delta	EEV differential pressure protection
AL125	AL125 EEV alarm:Param.range error	EEV range error
AL126	AL126 EEV alarm:ServicePosit% err	EEV position signal error
AL127	AL127 EEV alarm:ValveID pin error	EEV serial number error
AL128	AL128 Low press alarm	Low pressure alarm
AL129	AL129 High press alarm	High voltage alarm
AL130	AL130 Disc.temp.probe error	Exhaust temperature probe alarm

AL131	AL131 Suct.temp.probe error	Inspiratory temperature probe alarm
AL132	AL132 Disc.press.probe error	Exhaust pressure probe alarm
AL133	AL133 Suct.press.probe error	Inspiratory pressure probe alarm
AL134	AL134 Tank temp.probe error	Water tank temperature probe alarm
AL135	AL135 EVI SuctT.probe error	EVI suction temperature probe alarm
AL136	AL136 EVI SuctP.probe error	EVI suction pressure probe alarm
AL137	AL137 Flow switch alarm	Water flow switch alarm
AL138	AL138 High temp. alarm	High outlet water temperature alarm
AL139	AL139 Low temp. alarm	Low water temperature alarm
AL140	AL140 Temp.delta alarm	Inlet and outlet water temperature difference alarm
AL141	AL141 EVI alarm:Param.range error	EVI range error
AL142	AL142 EVI alarm:Low superheat	EVI low superheat alarm
AL143	AL143 EVI alarm:LOP	EVI LOP alarm
AL144	AL144 EVI alarm:MOP	EVI MOP alarm
AL145	AL145 EVI alarm:High condens.temp.	EVI high condensation temperature alarm
AL146	AL146 EVI alarm:Low suction temp.	EVI low suction temperature alarm
AL147	AL147 EVI alarm:Motor error	EVI motor failure
AL148	AL148 EVI alarm:Self Tuning	EVI adaptive PID error
AL149	AL149 EVI alarm:Emergency closing	EVI emergency shutdown
AL150	AL150 EVI alarm:ServicePosit% err	EVI position signal error
AL151	AL151 EVI alarm:ValveID pin error	EVI serial number error
AL152	AL152 Supply power error	Power frequency fluctuation alarm
AL153	AL153 Fan1 fault	Speed control fan 1 failure
AL154	AL154 Fan2 fault	Speed control fan 2 failure
AL155	AL155 Fans Offline	Speed control fan communication offline
AL165	AL165 Slave1 Offline	1#Slave offline
AL166	AL166 Master Offline	Host offline
AL167	AL167 Slave2 Offline	**2#Slave offline**
AL168	AL168 Slave3 Offline	**3#The slave is offline**
AL169	AL169 Slave4 Offline	**4#The slave is offline**
AL170	AL170 Slave5 Offline	**5#Slave offline**
AL171	AL171 Slave6 Offline	**6#Slave offline**
AL172	AL172 Slave7 Offline	**7#The slave is offline**
AL173	AL173 Slave8 Offline	**8#The slave is offline**
AL174	AL174 Slave9 Offline	**9#Slave offline**

Analysis of Fault Judgment of Carle Inverter

Fault code	Panel description	Detail description	Possible cause	Judgment method	Solution
AL001	AL001 Too many mem writings	Storage type variables are frequently written frequently	Frequently modify parameters	Frequently modify parameters	Stop operating the controller for 3 minutes or power off for 3 minutes
AL002	AL002 Retain mem write error	Frequent alarms for writing errors in storage variables	Frequently modify parameters	Frequently modify parameters	Stop operating the controller for 3 minutes or power off for 3 minutes
AL003	AL003 Inlet probe error	Floor heating probe failure	1. Loose wire / broken wire / broken probe	Visual inspection	Tighten the wire/reconnect the wire/replace the probe
AL004	AL004 Outlet probe error	Outlet probe failure	1. Loose wire / broken wire / broken probe	Visual inspection	Tighten the wire/reconnect the wire/replace the probe
AL005	AL005 Ambient probe erro	Ambient temp. probe failure	1. Loose wire / broken wire / broken probe	Visual inspection	Tighten the wire/reconnect the wire/replace the probe
AL006	AL006 Condenser coil tem	Coil pipe probe failure	1. Loose wire / broken wire / broken probe	Visual inspection	Tighten the wire/reconnect the wire/replace the probe
AL007	AL007 Water flow switch	Water flow switch alarm	1. The filter is blocked, resulting in a small water flow	Small water flow	Cleaning the filter
			2. The water pump is too small, resulting in a small water flow	Small water flow	Replace the water pump with a larger water head and water flow
			3. The water pump is not empty, resulting in a small water flow	Small water flow	Empty the water pump
			4. The valve of the water system is closed or not fully opened	Small water flow	Open the valve
			5. There is air in the pipe, which leads to poor water flow	Small water flow	Install an automatic discharge gasvalve at the highest point of the piping system
			6. The water flow switch is broken	If all the above are excluded, pls short-circuit the water flow switch and force heat pump to start. If the outlet water temperature is more than 8 degrees above the water tank temperature, then pls continue the above operation. If the temperature difference is within 5 degrees and there are no errors showed, then the water flow switch is broken.	Replace the water flow switch
AL008	AL008 Phase sequ.prot.alarm	Phase sequence protection switch alarm	Abnormal parameter setting	Three phase device reports failure	Set DI5 of Ot6 page in M09 to normally open NO
AL013	AL013 Low superheat - Vlv.A	EEV valve A low superheat alarm	The unit has heavy frost	Visually check for frost	Lower the coil temperature difference on the Df05 page in M10
			The unit has been operating at low frequency for a long time	Checking the unit's running frequency	Operate within the allowable operating range

AL028	AL028 Battery discharge EVD	EEV battery failure	The unit has strong electric interference	Report fault	Power off for 3 minutes to restart
AL037	AL037 BLDC-alarm:Out of Envelope	BLDC-Out of operating range	The water temperature is too high or the ambient temperature is too low	The ambient temperature or water temperature exceeds the allowable range of	Operate within the allowable operating range
AL038	AL038 BLDC-alarm:Starting fail wait	BLDC-compressor failed to start	Program error	Check whether the program version is the latest	Update the latest program
AL039	AL039 BLDC-alarm:Starting fail	BLDC-compressor failed to start	Program error	Check whether the program version is the latest	Update the latest program
AL041/AL050	AL041 BLDC-alarm:High discarge gas temp	Discharge gas temp. too high protection	1. Lack of refrigerant	Low pressure is very low	Check and fix the leaks, then vacuum and charge the refrigerant according to the
			2. Inaccurate sensing of discharge gas temp. probe	The discharge gas temp. probe still shows very high or very low after shutdown	Replace discharge gas temp. probe
AL051/AL057/AL082	AL051 Power+ alarm:01-Overcurrent	Compressor 1/2 over current protection	1. The power supply voltage is low	Use a multimeter to measure the voltage during standby, and it is 10% lower than the	Increase the voltage stabilizer to keep the voltage stable, or provide a stable voltage, or
			2. The wire diameter is too small or the wiring is loose, resulting in low voltage	Measure the voltage with a multimeter at the moment when the compressor contactor is closed, until there is current protection. The lowest voltage displayed by the multimeter is 10% lower than the rated voltage	Replace the appropriate wire diameter, or tighten loose wiring
			3. The AC contactor of compressor is broken and not closed	Visually check whether the AC contactor is closed or not	Replace AC contactor
			4. Short circuit of compressor coil	Excluded above, measure the resistance between the three coils of the compressor. If the resistance is too small or too large, it means that the compressor is broken	Replace compressor
AL053	AL053 Power+ alarm:03-DCbus overvoltage	Power+03-DCbus overvoltage	Voltage is too high	The actual voltage exceeds 20% of the rated voltage	Provide stable power supply voltage
AL054	AL054 Power+ alarm:04-DCbus undervoltage	Power+04-DCbus undervoltag	Voltage is too low	The actual voltage is lower than the rated voltage by more than 25%	Provide stable power supply voltage
AL114	AL114 Power+ alarm:Power+ offline	Inverter offline alarm	1. The interval between power-off and power-on of the host is too short	Power cycle time is less than 30 seconds	Power off again, and power on after 3 minutes, if it still doesn’ t work, power off for 10 minutes
			2. The inverter cable is loose	The screw is not tightened	Re-tighten
			3. The position of the inverter dial switch is wrong	The directions of the four DIP switches of the inverter are inconsistent	Redial to match
AL115	AL115 EEV alarm:Low superheat	EEV low superheat alarm	The unit has heavy frost	Visually check for frost	Lower the coil temperature difference on the Df05 page in M10
			The unit has been operating at low	Check unit's running frequency	Operate within the allowable operating range

AL128	AL128 Low press alarm	Low pressure alarm	1. Heavy frost on the evaporator	The evaporator are covered with thick frost	Force defrost, keep the ambient temp. probe as far away as possible from the evaporator to prevent it from being covered by snow, and check whether the parameters are abnormal
			2. The fan motor or fan blades are broken or the speed is slow, resulting in insufficient air volume	The fan rotates very slowly or stops rotating	If the fan motor or fan blade is broken, replace the motor or fan blade, if the speed is slow, replace the fan capacitor
			3. System leakage of refrigerant	The low pressure is very low, and traces of oil leakage can be seen in the pipeline	Check and fix the leaks, then vacuum and fill with refrigerant according to the nameplate
			4. The low pressure switch is broken	If the low pressure meter exceeds 1kg, this fault is still reported	Replace low voltage switch
			5. Reverse connection of high and low voltage switches	Low pressure gauge pressure is higher than 1kg, but high pressure gauge is very high	Change the wiring of the high and low voltage switch and check according to the high voltage protection
AL129	AL129 High press alarm	High voltage alarm	1. The filter is blocked, resulting in a small water flow	The temperature difference between the inlet and outlet water is more than 8 degrees	Cleaning the filter
			2. Water head and water flow of the waterpump are too small, resulting in small water flow	The temperature difference between the inlet and outlet water is more than 8 degrees	Replace the water pump with a larger water head and water flow
			3. The water pump is not empty, resulting in a small water flow	The temperature difference between the inlet and outlet water is more than 8 degrees	Emptying and water pump
			4. There is air in the pipeline, which leads to poor water flow	The temperature difference between the inlet and outlet water is more than 8 degrees	Install an automatic discharge gas valve at the highest point of the piping system
			5. Air in the fluorine circuit system causes	The pointer of the high-voltage meter jitters	Re-evacuate and inject refrigerant
			6. The electronic expansion valve is broken, resulting too high pressure	Low pressure is low and high pressure is high	Replace electronic expansion valve
			7. Fouling of the water side heat exchanger causes high pressure	Small temperature difference between inlet and outlet water, high pressure	Clean the water side heat exchanger and add water for treatment
			8. The high pressure switch is broken	If the pressure of the pressure gauge does not exceed the maximum pressure, it still	Replace the high pressure switch
			9. The hot water probe or floor heating probe is not placed in the corresponding return pipe or blind pipe of the water	The outlet water temperature is very high, above 60 degrees	Place the probe in the corresponding position
AL130	AL130 Disc.temp.probe error	Discharge gas temp. probe failure	1. Loose wire / broken wire / broken probe	Visual inspection	Tighten the wire/reconnect the wire/replace the probe
AL131	AL131 Suct.temp.probe error	Suction gas temp. probe failure	1. Loose wire / broken wire / broken probe	Visual inspection	Tighten the wire/reconnect the wire/replace the probe
AL134	AL134 Tank temp.probe error	Water tank probe failure	1. Loose wire / broken wire / broken probe	Visual inspection	Tighten the wire/reconnect the wire/replace the probe

AL138	AL138 High temp. alarm	Too high outlet water temperature protection	1. The filter is blocked, resulting in a small water flow	The outlet water temperature is higher than 62 degrees	Cleaning the filter
			2. The water pump is too small, resulting in low water flow	The outlet water temperature is higher than 62 degrees	Replace the water pump with a larger water head and water flow
			3. The water pump is not empty, resulting in a small water flow	The outlet water temperature is higher than 62 degrees	Emptying and water pump
			4. There is air in the pipeline, which leads to poor water flow	The outlet water temperature is higher than 62 degrees	Install an automatic discharge gas valve at the highest point of the piping system
			5. The setting temperature is too high and the water flow is too small	The outlet water temperature is higher than 62 degrees	Decrease setting temperature
AL139	AL139 Low temp. alarm	Too low outlet water temperature protection	1. The filter is blocked, resulting in a small water flow	The outlet water temperature is below 5 degrees	Cleaning the filter
			2. The water pump is too small, resulting in low water flow	The outlet water temperature is below 5 degrees	Replace the water pump with a larger water head and water flow
			3. The water pump is not empty, resulting in a small water flow	The outlet water temperature is below 5 degrees	Emptying and water pump
			4. There is air in the pipeline, which leads to poor water flow	The outlet water temperature is below 5 degrees	Install an automatic exhaust valve at the highest point of the piping system
AL153	AL153 Fan1 fault	Speed control fan 1 failure	1. The fan driver dial switch is abnormal	Visual inspection	Fan dial switch top-left-below-right
AL154	AL154 Fan2 fault	Speed control fan 2 failure	2. The fan driver is broken	Visually check that the power light is not on	Replace the fan driver
AL155	AL155 Fans Offline	Speed control fan communication offline	3. The fan motor is broken	Manual rotation of fan motor, still stuck	Replace the fan motor

No.	Abnormal state	Possible cause	Judgment method	Treatment measures
1	The unit is not running	1. The machine is not turned on	Visually	If there is hot water or heating symbol, it is power on
		2. The linkage switch is loose	Visually	Short-circuit the linkage switch
		3. The machine is malfunctioning	Visually	Troubleshooting
2	AC contactor is difficult to attract	1. The voltage is too low or the wire diameter is too small	Check the voltage with a multimeter and check the wire diameter specifications	Add a voltage regulator to keep the voltage stable
3	The water pump is running but the water does not circulate or the water pump is noisy	1. There is air in the water system	Practical investigation	Discharge gas of the water
		2. The water system valves are not fully	Visually	Open the valve
		3. Dirty filter	Practical investigation	Cleaning the filter
4	The room is not heated	1. The glass in the room has a large heat dissipation capacity, which causes the machine configuration to be too	Visually	Increase the configuration
		2. The room is humid	The new house is wet	Wait for the room to dry
		3. The first time to heat the room, which is slow		Wait enough time for the room to warm up
		4. Wet weather causes frequent frosting and defrosting		Wait enough time for the room to warm up
5	The compressor is running, but the unit is not heating	1. There is leakage of refrigerant		Check and fix the leaks, then vacuum and charge the refrigerant according to the
		2. The compressor is damaged		Replace the compressor, vacuum and charge the refrigerant according to the nameplate
		3. The four-way valve is stuck		Gently tap the four-way valve body
6	The defrost is not clean or heat pump does not enter the defrost	1. The coil pipe probe falls off		Place the coil pipe probe into the probe holder
		2. The ambient temp. probe is covered by frost		Adjust the position of the ambient tamp. probe on the evaporator and try to stay away
		3. The defrosting parameter setting in M10 is inaccurate, and the defrosting cannot be entered. The conditions for entering the defrosting: 1: B9**(Def. start setpoint)** coil pipe temperature is lower than the setting value of Df04 page in M10 (default -1 degree), 2: **(Delta temp. between Ext.T and cond.coil)**ambient temperature B3 Minus the coil temperature B9 is greater than or equal to the setting value of the Df05 page in the setting parameter M10 (default is 5), 3: **(Def. inter. time)** the ambient temperature B3 is less than or equal to the setting value of the Df04 page in the M10 (default 15 degrees), and the 4 defrost interval time is		Check the defrost parameter settings first. If the parameters are correct, check whether the four entry conditions are met during normal operation of the unit, adjust the unsatisfied parameters to be satisfied, and let the unit enter the defrost. After defrosting, adjust accordingly