

Symptom 8: DHW mode can't change to Heat mode immediately

POSSIBLE CAUSES	CORRECTIVE ACTION
Heat exchanger for space heating not big enough	<ul style="list-style-type: none"> · Set "t_DHWHP_MAX" to minimum valve, the suggested valve is 60min. · If circulating pump out of unit is not controlled by unit, try to connect it to the unit. · Add 3-way valve at the inlet of fan coil to ensure enough water flow.
Space heating load is small	Normal , no need for heating
Disinfect function is enabled but without TBH	<ul style="list-style-type: none"> · Disable disinfect function · add TBH or AHS for DHW mode
Manual turn on the FAST WATER function, after the hot water meets the requirements, the heat pump fails to switch to the air-conditioning mode in time when the air conditioner is in demand	Manual turn off the FAST WATER function
When the ambient temperature is low, the hot water is not enough and the AHS is not operated or operated late	<ul style="list-style-type: none"> · Set "T4DHWMIN", the suggested valve is -5 °C · Set "T4_TBH_ON", the suggested valve is 5 °C
DHW mode priority	If there is AHS or IBH connect to the unit, when the outdoor unit failed, the hydraulic module board must run DHW mode till the water temperature reach the setting temperature before change to heating mode.

Symptom 9: DHW mode heat pump stop work but setpoint not reached, space heating require heat but unit stay in DHW mode

POSSIBLE CAUSES	CORRECTIVE ACTION
Surface of coil in the tank not large enough	The same solution for Symptom 7
TBH or AHS not available	Heat pump will stay in DHW mode until "t_DHWHP_MAX" reached or setpoint is reached. Add TBH or AHS for DHW mode, TBH and AHS should be controlled by the unit.

13.3 Operation parameter

This menu is for installer or service engineer reviewing the operation parameters.

- At home page, go to "MENU">"OPERATION PARAMETER".
- Press "OK". There are nine pages for the operating parameter as following. Press " " 、 " " to scroll.
- Press" " and " " to check slave units' operation parameter in cascade system. The address code in the upper right corner will change from "#00" to "#01"、"#02" etc. accordingly

OPERATION PARAMETER	#00
ONLINE UNITS NUMBER	1
OPERATE MODE	COOL
SV1 STATE	ON
SV2 STATE	OFF
SV3 STATE	OFF
PUMP_I	ON
⏮ ADDRESS	1/9 ⏭

OPERATION PARAMETER	#00
PUMP-O	OFF
PUMP-C	OFF
PUMP-S	OFF
PUMP-D	OFF
PIPE BACKUP HEATER	OFF
TANK BACKUP HEATER	ON
⏮ ADDRESS	2/9 ⏭

OPERATION PARAMETER	#00
GAS BOILER	OFF
T1 LEAVING WATER TEMP.	35°C
WATER FLOW	1.72m³/h
HEAT PUMP CAPACTIY	11.52kW
POWER CONSUM.	1000kWh
Ta ROOM TEMP	25°C
⏮ ADDRESS	3/9 ⏭

OPERATION PARAMETER	#00
T5 WATER TANK TEMP.	53°C
Tw2 CIRCUIT2 WATER TEMP.	35°C
TIS C1 CLI. CURVE TEMP.	35°C
TIS2 C2 CLI. CURVE TEMP.	35°C
TW_O PLATE W-OUTLET TEMP.	35°C
TW_I PLATE W-OUTLET TEMP.	30°C
⏮ ADDRESS	4/9 ⏭

OPERATION PARAMETER	#00
Tbt1 BUFFERTANK_UP TEMP.	35°C
Tbt2 BUFFERTANK_LOW TEMP.	35°C
Tsolar	25°C
IDU SOFTWARE	01-09-2019V01
⏮ ADDRESS	5/9 ⏭

OPERATION PARAMETER	#00
ODU MODEL	6kW
COMP.CURRENT	12A
COMP.FREQUENCY	24Hz
COMP.RUN TIME	54 MIN
COMP.TOTAL RUN TIME	1000Hrs
EXPANSION VALVE	200P
⏮ ADDRESS	6/9 ⏭