

● **Common faults and troubleshooting**

<b>Fault phenomenon</b>	<b>Possible cause</b>	<b>Troubleshooting</b>
System fails to start	<ol style="list-style-type: none"> <li>1. Seawater temperature is out of operating range</li> <li>2. Temperature probe is improperly connected or damaged</li> <li>3. Power problems</li> <li>4. Wiring of remote control panel is insecure</li> </ol>	<ol style="list-style-type: none"> <li>1. Operating temperature of seawater should be within the specified range</li> <li>2. Check or replace</li> <li>3. Check power circuit</li> <li>4. Check the wiring</li> </ol>
Disorderly shutdown	<ol style="list-style-type: none"> <li>1. Seawater flow is small when refrigerating</li> <li>2. Seawater outlet temperature is high when refrigerating</li> <li>3. Air flow is small when heating</li> <li>4. Seawater temperature is high when heating</li> <li>5. System pressure is too low</li> <li>6. System pressure is too high</li> <li>7. Seawater temperature is too low when refrigerating</li> <li>8. Lack of refrigerant</li> </ol>	<ol style="list-style-type: none"> <li>1. Check water pump and water pump filter</li> <li>2. Check whether cooling water inlet is affected</li> <li>3. Check air filter and duct</li> <li>4. Operating temperature should be within the specified range</li> <li>5. Recharge refrigerant as per specified value</li> <li>6. Refrigerant charge is too large or cooling water volume is insufficient</li> <li>7. Seawater temperature should be within the specified range</li> <li>8. Detect leakage again, and charge refrigerant as per specified value</li> </ol>
Refrigerating/heating capacity is small	<ol style="list-style-type: none"> <li>1. Cooling water flow is small</li> <li>2. Refrigerant flow is small</li> <li>3. Lack of refrigerant</li> </ol>	<ol style="list-style-type: none"> <li>1. Check water pump and seawater filter</li> <li>2. Check air filter screen and quantity, angle of air duct elbows</li> <li>3. Detect leakage again, and charge refrigerant as per specified value</li> </ol>

**Operating seawater temperature range of unit:**

**Refrigerating: seawater temperature 15~35°C**

**Heating: seawater temperature 4 ~ 25°C**

**⚠ Notes: if this air conditioning unit is used when seawater temperature is lower than 4°C, low pressure alarm may occur, and the unit will shut down automatically; when seawater temperature is higher than 35°C, high pressure alarm may occur, and the unit will shut down automatically. If this phenomenon is discovered, the air conditioner should not be restarted. Frequent starts will shorten service life of the air conditioner.**