

Warranty

12 months limited warranty from the date of purchase.
Warranty does not cover any misuse of the item or any damage caused directly or indirectly by the user.
An extended warranty can be purchased from the distributor.

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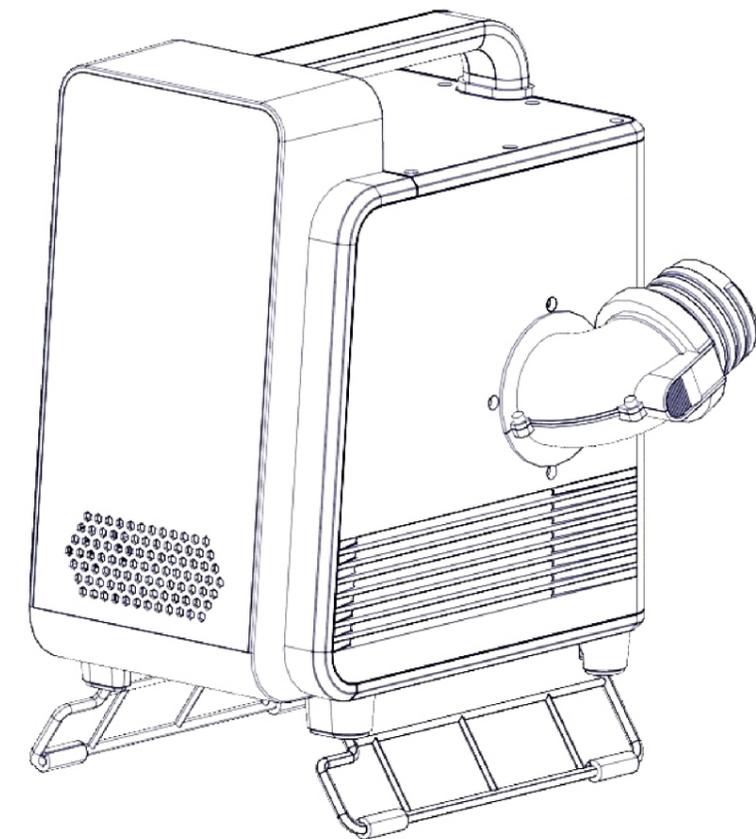
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KANISTAR ICU Air-Conditioning Unit

Installation and Operation Manual
UC-1801-AC



Presented by KaniStar Group

Safety Instruction

- Ensure the equipment is electrically earthed before using it.
- This product is designed to be used with the KaniStar ICU/Incubator only. Please ensure the sensor cable is correctly connected to the ICU/Incubator socket.
- This product is remotely controlled by the ICU/Incubator. Select the desired temperature on the ICU/Incubator which will operator the air-conditioning unit automatically.
- The recommended operating temperature is 7°C below the room temperature. Prolong use of the air-conditioning unit below the recommended temperature may cause damage to the unit.
- Please ensure the water drainage tubing is installed before use of the unit.
- When turning off the air-conditioner, please disconnect the sensor cable from the ICU first.
- In case of turning off the air-conditioning unit, strictly off the unit from the ICU/Incubator controls only. Directly withdraw the power supply of the air-conditioning unit may lead to damage and fire hazard.
- When the unit is in operation, do not attempt to insert any object into the unit or air outlet.
- Disconnect the power before cleaning or maintaining services. Do not use liquid or wet cloth for cleaning. It is recommended cleaning using just a soft dry cloth if necessary. A damp cloth with a mild non-abrasive cleaning agent can be used for cleaning the outer housing.
- Petrol, paint, thinner, turpentine and polishing agents are strictly not to be used for cleaning the housing.
- The unit surface should always be kept clean and clear of any items.
- Do not store any items on the unit.
- Do not place any fire hazard material near the unit. It is prohibited to use any aerosol material near the unit to prevent explosion.
- It is recommended to have the power supply easily accessible. In case of any emergency, the power supply can be disconnected immediately.
- It is strictly prohibited to dismantle or alter the unit. One should stop using and disconnect the power supply of the unit immediately when there is a malfunction or damage occur. Contact your local service centre or distributor for further assistant.

PREFIX

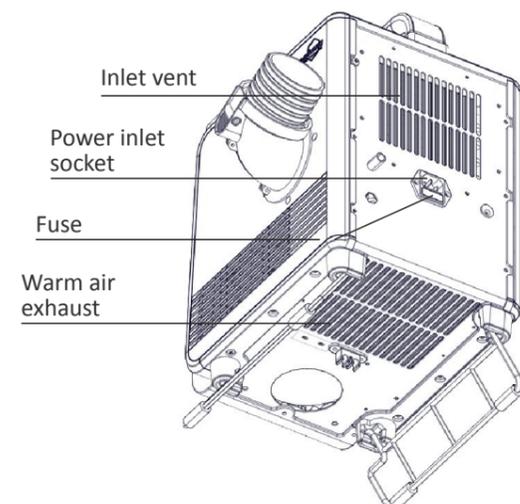
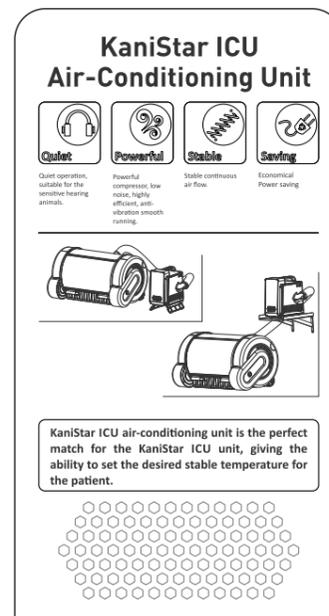
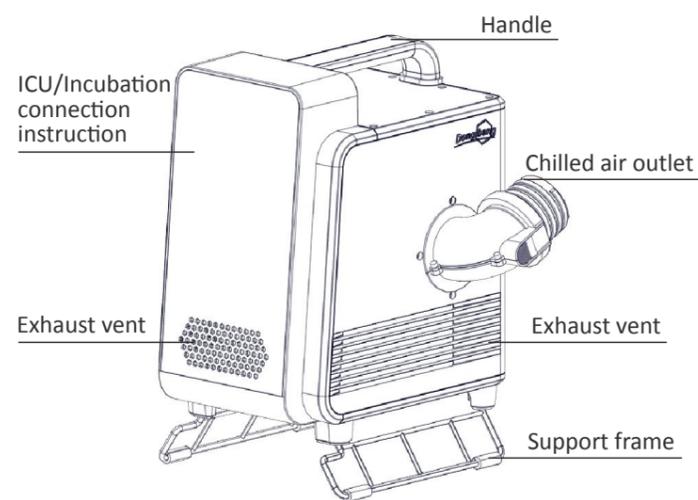
Welcome to the KaniStar family.
Please read this instruction manual carefully before use of the air-conditioning unit. Inappropriate use of the unit may lead to unnecessary damages.

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- Good ventilation and free of obstruction should always be observed.
- Do not damage the cooling circuit.
- Do not place or use electrical appliance like microwave oven, rice cooker and transformer on top of the unit.
- If any damages occur to the power cord, please engage your local service centre or distributor for assistance.

Parts and Function



Specifications

Model	UC-1801-AC
Voltage/Frequency:	<input type="checkbox"/> 110-120V, 60Hz <input type="checkbox"/> 220-240V, 50Hz
Refrigerating Capacity	365W
Current	0.8A
Power	170W (220V)
Maximum Input Current	1.8A
Maximum Exhaust Pressure	≤2.6MPa
Weather Type	T2
Maximum Inlet Pressure	≤0.7MPa
Flow Circulation	≥60m ³ /h
Noise	38 ~ 51dB(A)
Anti-Shock Type	Class I
Waterproof Type	IPX4
Coolant Type	R134a
Weight	120g
Dimension	30cmx22cmx36cm

Note:

1. Noise level is laboratory tested according to the national standard requirement, there may be a slight different when measuring on site.
2. Information is subjected to change without advice notice. The instruction manual is right at the time of printing.
3. Operating environment: This unit is designed to be used in a room where temperatures are between 10°C ~ 32°C.

Trouble Shooting

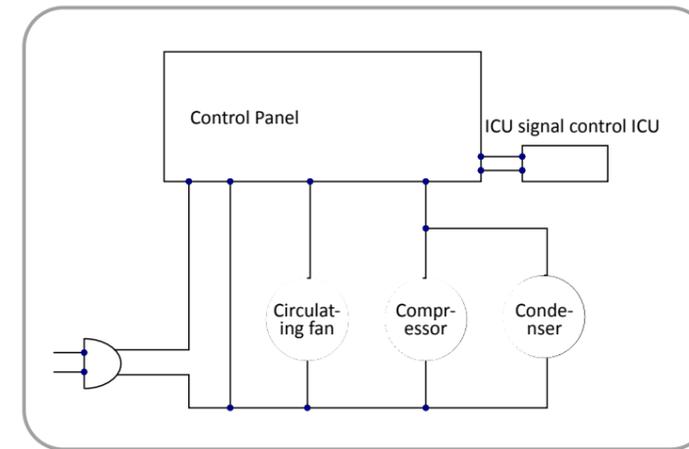
Negative "abnormal" observed	
Unit emitting fog during operation	This may occur when the temperature and humidity of the ICU/Incubator is high. This will disappear when the temperature and humidity is lowered.
Exhaust smell	This may be observed due to stale air trip within the unit. It will disappear minutes after the unit is being turned on.
Slight Squealing sound	Sound from the condenser.
Condensed water occurs at the exhaust gridding	In prolong use under high humidity conditions, moist air could cause condensed water to appear along the gridding.
Unit will not turn on immediately after turning off	Wait for 3 minutes before turning on the unit.

Positive "Abnormal" Observed	
Unit not working	<ol style="list-style-type: none"> Check that the power cable is connected. Check that the sensor cable is connected to the ICU. Check that the Power supply is connected. Check power voltage.
Unit does not stop operating	Check that the temperature setting is not too low.
Unit does not perform as desired	<ol style="list-style-type: none"> Check that the set temperature is appropriate. Check for blockages at the inlet and outlet. Check if the ICU door is closed. Check if that is any heating source near the ICU.
Unit is vibrating or noisy	<ol style="list-style-type: none"> Check that the unit is placed on a level surface Check for any foreign material on or under the unit
Leaking	Check for a blockage or damage to the discharge tubing

Note:

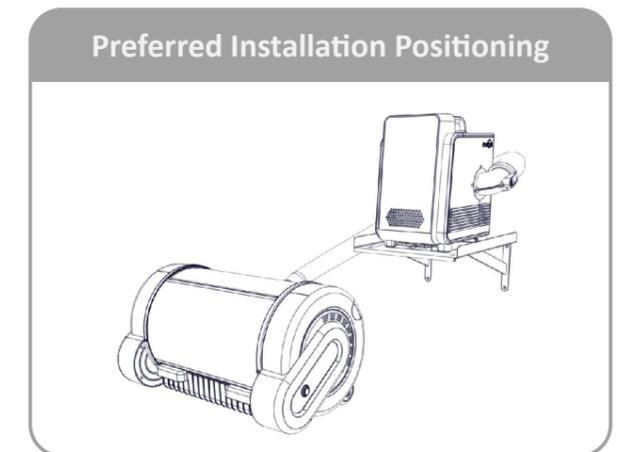
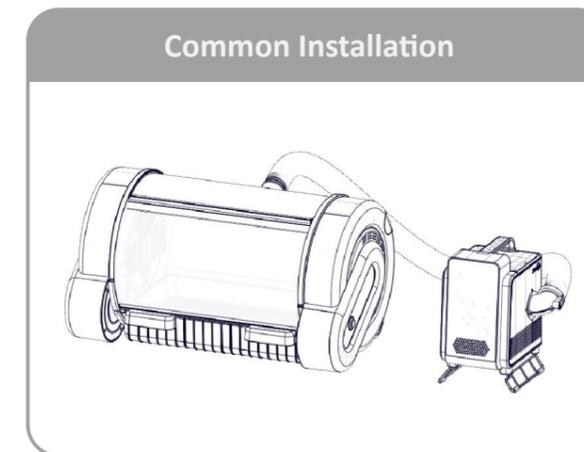
If the unit still seems to be running abnormally, please shutdown the unit and contact your local service centre or distributor for further assistance.

Internal Component Diagram



(For technical reference only)

Common Installation



(note: for longer life of the unit, air-conditioning unit should not be placed lower than the ICU unit)

Packing List

Air-conditioning Unit	Instruction Manual	Rubber Tubing Set	Power Cord
1	1	1	1