

CONDENSATE PUMP OPERATION MANUAL



Please read this instruction carefully before using this product, and keep this manual carefully for future reference

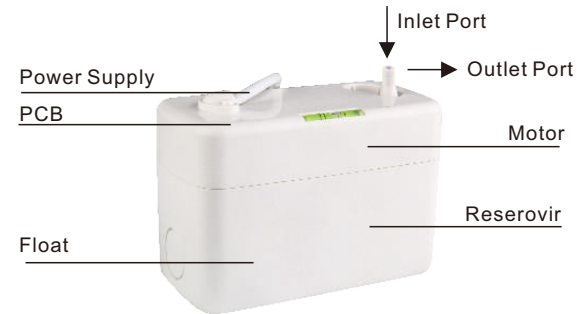
CONDENSATE PUMP

Thank you for buying your condensate pump. This manual gives instructions on the correct installation. It is important that you follow these instructions carefully.

1. Important notes

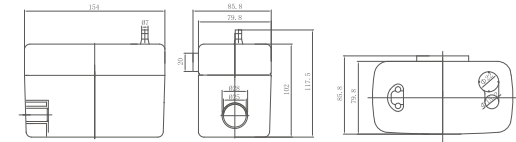
1. Before carrying out any operation on the pump, make sure the installation is disconnected from the power supply.
2. The pump has been evaluated for use with water only.
3. Risk of electronic shock. This pump has not been investigated for use in swimming pool or marine areas.
4. If the cord is damaged, it must be replaced with a special cord or assembly available from the manufacturer or it's service agent.
5. Do not run this pump dry.
6. Always ensure the metal magnet in the float is facing upward. Always ensure the reservoir is sitting flat and horizontal.
7. The pump is ideal for most working and living environments. It is not recommended where the environments is oily or particularly dusty.
8. Acceptable for indoor use only.
9. This condensate pump is non- submersible

2. Pump component



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3. Dimension drawing



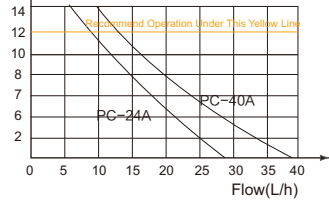
4. Technical specification

Model	PC-24A	PC-40A
Voltage	100-230V~/50-60Hz	100-230V~/50-60Hz
Discharge head	10m	10m
Rated	Non continuous	Non continuous
Flow rate	24L/h	40L/h
Tank capacity	200ml	200ml
Mini splits up to	8KW(30,000tu/hr)	15KW(45,000tu/hr)
Sound level	19dB(A)	21dB(A)
Ambient temperature	0°C~50°C	0°C~50°C

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5. Maximum recommended head(m)

Meters head(m)



Model	Performance(l/h@head)					
	0m	2m	4m	6m	8m	10m
PC-24A	28	24	20	18	16	12
PC-40A	40	34	30	24	20	18

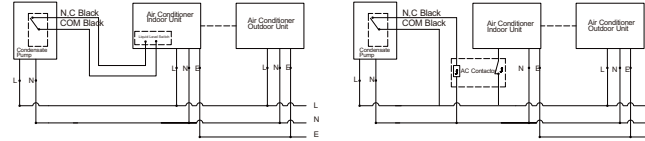
6. Installation

1. Make sure the power is cut off
2. There are two inlet ports for choosing, one is above the pump another is on the right of the pump. Please choose a suitable ports to connect. The size of inlet port is O.D.20MM
3. Fix the Mounted plate. The screw is available.
4. Insert the system's drain pipe to the pump's inlet port, connect the outlet pipe. Do not bend the pipe. Make sure the pipe size should be I.D 6mm.
5. Connect the power supply. There are 4 line of the cable, two are power line, two are signal line, connect the four lines as following drawing.

⚠ WARNING

Please note the distinction between the power line and signal line, wrong wiring will result in damage to the drain pump and ensure consistent product identification voltage.

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If the air conditioner does not have liquid level control terminal, it can be connected to other alarm devices or refer to figure 2.

If there is no liquid level switch, it can also use an appropriate AC contactor to control the air conditioning power.

Power cord: (L) fire wire: Brown (N) zero line: Blue

Signal line: (NC) normally closed: Black (COM) common line: Black

6. If the pump can't work normally, the system will be cut off automatically, please contact the qualified person to maintain it.

7. Troubleshooting

Problem	Cause	Action
Pump runs all the time	1. Installation is not horizontal	Adjust the tank make it level
	2. There is sludge inside tank	Clean the inside of tank and float
Pump makes loud noise	1. The water is siphoning back in the pump	Check whether the outlet pipe is lower than pump thus result in siphoning, raise the condensate pump position
Pump can't start working	1. Installation is not horizontal	Adjust the tank, check water level
	2. The power can't reach pump	Check power supply
	3. The voltage isn't correct	Check the voltage



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8. Important service guide:

Flush the pump through with anti-bacterial wash and clean both filters every 6 months or more often if required, to avoid sludge build up. Take great care to replace the float with the magnet facing upwards.



9. Warranty

This warranty covers all arts with material or manufacturing faults. The buyers only remedy is the replacement or repair of the defective arts. In no case can labour costs and any onsequential damage be cited as a basis for a complaint. Any returned units must be complete. We are unable to accept any liability in case of nonconforming installation or noncompliance with the specifications or maintenance recommendations.