PRODUCT MANUAL

Condensate Pump

Model: PC-24A / PC-40A / PC-12C / PC-36C / PCT-100A / PC-80A / PC-125A/L



CATEGORY

Pumps & Flow Switches

MODEL

PC-24A / PC-40A / PC-12C / PC-36C / PCT-100A / PC-80A / PC-125A/L

ISSUE DATE

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1. Product Overview

A condensate pump removes the water a cooling coil produces when there is no gravity drain available: a ceiling cassette, an indoor unit in a basement, a ducted system where the drain cannot be run to a floor waste.

The range covers five families for different duties. PC-24A and PC-40A handle 24 and 40 L/h with a 10 m discharge head and a 150 ml tank, sized for mini splits up to 8 and 15 kW. PC-12C and PC-36C are the compact versions with a 55 ml tank. PCT-100A is the tank type with a 1 L reservoir, 100 L/h and 1.2 m head, for applications with a long horizontal run. PC-80A provides 80 L/h with a 0.3 L tank, and PC-125A/125L are the high lift units at 125 L/h and 4 m head with a 1.8 L tank and 60 W motor.

Voltage is 100 to 230 V at 50/60 Hz, with the PCT-100A available in 230 V or 100-120 V versions. Power consumption runs from 3 W on the small units to 60 W on the largest, sound levels from 19 to 40 dB(A), and ambient rating 0 to 50 C.

Selection is by condensate flow - roughly 0.5 to 1 litre per hour per kW of cooling depending on humidity - then by the lift required and the tank volume. A pump with a small tank cycles frequently and is noisier; a large tank gives quieter operation but takes more space.

Installation points: keep the pump level, protect the suction with the supplied filter, and make sure the discharge line has a continuous fall or is pumped - a horizontal run that sags will hold water and restart the pump repeatedly. Check the overflow safety switch, where fitted, is actually wired into the control circuit.

2. Key Features

- Full range from compact 3 W mini-split pumps to 60 W high-lift models
- Tank capacities from 35 ml to 1.8 L
- Suitable for mini splits up to 15 kW (45,000 Btu/h)
- Quiet operation from 19 dB(A)

3. Technical Specifications

Item	Specification
Model range	PC-24A/40A, PC-12C/36C, PCT-100A, PC-80A, PC-125A/125L
Voltage	100V – 230V, 50/60 Hz (PCT-100A: 230V or 100–120V)
Discharge head	Max. 1.2 m – 10 m (4 ft – 33 ft)
Flow rate	12 – 125 L/h (4 – 33 GPH)
Tank capacity	0.035 – 1.8 L (35 ml – 1.8 L)
Power	3 – 60 W
Sound level	19 – 40 dB(A)
Ambient temperature	0 – 50 °C

4. Commercial Terms

MINIMUM ORDER	**Negotiable**
LEAD TIME	**Negotiable**
SHIPPING PORT	**Shanghai / Ningbo, China**
PLACE OF ORIGIN	**China**
PAYMENT TERMS	**T/T, L/C**
SUPPLY ABILITY	**Negotiable**

Contact us for a free quotation

Our engineering team replies within 24 hours with selection advice and an FOB / CIF quotation.



E-MAIL	hope@quitecoolhvacr.com
PHONE / WHATSAPP	+86 15258555916
WEBSITE	www.quitecoolhvacr.com
ADDRESS	NO.231,Jiaozhen Village, Ganlin Town Shengzhou City,Zhejiang Province,China