

ITEM[OPEN FULL LIST PRESS HERE](#)**1000047 - Modular HVAC system for controlled environment rooms**

Quantity - 15 (pairs of Units)

Sale price -

More photos here:

https://drive.google.com/drive/folders/1FZ7N4ptgl80Qcv2Aw5UGHV2IE8CLWjxW?usp=share_link

Description:

This is a modular HVAC system for controlled environment rooms (grow rooms), manufactured by Conviron (Controlled Environments Ltd.), a well-known Canadian company that designs highly controlled systems for labs, biotech, and agriculture.

This system consist of two integrated components:

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1. Commercial Air Handling Unit (AHU)

Model: 280327R03

Motor: 208V / 3 Phase / 60Hz / 4.0A

Other IDs:

- 282062R00
- CCCG3500 VOC_03_N02_802
- CCCG-23-148/595/3500/111-2-810
- G23112



Function:

This is the primary Air Handling Unit (AHU) that:

- Circulates air through the room.
- Filters, conditions, and regulates airflow.
- Contains a high-power impeller fan motor (3-phase, 4 amps), suitable for high-capacity air movement.
- Likely connected to ductwork inside the cultivation room.
- Works with temperature and humidity sensors to maintain exact environmental setpoints.

AHUs in cannabis facilities are responsible for:

- Maintaining temperature, humidity, and air quality.
- Supporting CO₂ enrichment or VOC filtering, if needed.
- Ensuring air exchange and odor control.

2. Air Processing Unit (APU)

Model: 293344R02

Impellers: 120V / 1 Phase / 60Hz

Heaters: 208V / 1 Phase / 60Hz, 10.6A (x3)

Made for: Conviron chambers only

Label Code: 293345R00

Function:

This is a secondary processing unit that works in tandem with the AHU to:

- Pre-condition or post-treat the air (fine temperature/humidity control).
- Provide additional heating (3 electric heaters drawing 10.6 amps each).

- Ensure uniform temperature and humidity across the room.
- House additional filters, heat exchangers, or humidifiers.
- Handle zoning or microclimate control for specific areas.

Short description

Component	Description
AHU (280327R03)	Main air circulation unit, 3-phase motor, manages airflow for the entire grow room.
APU (293344R02)	Secondary unit, handles precise temperature/humidity tuning, with heating elements and additional impellers.
Power Specs	208V 3PH for impellers (AHU), 120V for APU impellers, 208V for heaters (APU).
Use Case	High-precision cannabis grow facility or similar controlled environment.
Manufacturer	Conviron, Canada — leader in growth chambers and environmental systems.

CONTACT DETAILS:

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