

SPECIFICATIONS

Capacity	300 ppd
Energy factor	2.2 L/kWh
Airflow @ 0.6" w.c. (external static pressure - dry coil)	400 CFM
Voltage, Phase, Frequency	208/240VAC, 1 Phase, 60 Hz
Operating amps⁽¹⁾	13.1 Amps
Power (Watts)⁽¹⁾	3100
Min. circuit ampacity⁽²⁾	21A
Max. overcurrent protection⁽³⁾	36A
Dimensions: (cabinet only)⁽⁴⁾	Width: 28½" Height: 18¾" Length: 23"
Weight	140 lbs.

⁽¹⁾Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP. ⁽²⁾Use when selecting wire size and type. ⁽³⁾Use when sizing the breaker or fuse. ⁽⁴⁾Filter rack adds 3%".

FEATURES

Control	Model A76 included
Air supply orientation	In-line, top, bottom, side, any combination
Supply dimensions	6" x 15" (Qty 4)
Inlet dimensions	14" x 14"
Filter	MERV 11 disposable
Refrigerant	R410A
Coil type	E-coated
Power cord	10' 240VAC grounded plug
Drain connection*	¾" NPT female bottom connection
Leveling feet	Included
Hanging brackets for threaded rod	Included
Hanging bolts for cable	Included
Warranty	5 Years

*Requires drain trap

INCLUDED ITEMS

Drain fittings	90°, ¾" MNPT x ¾" FNPT and ¾" MNPT x ¾" barbed
Control	Model A76
Manual	Installation instructions



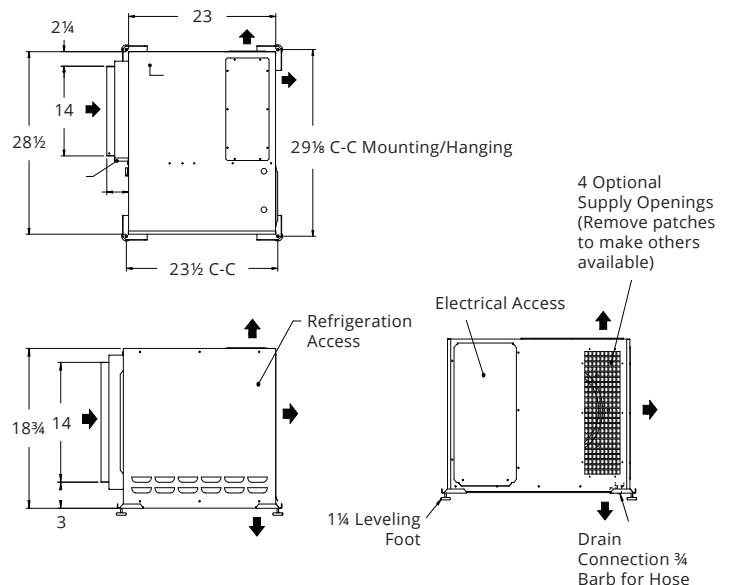
PRINCIPLE OF OPERATION

The Anden Model A300V1 Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

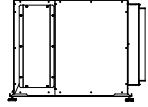
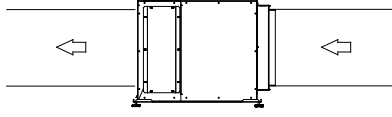
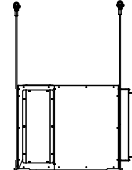
Dehumidification occurs until the set point is reached, then shuts off until the control determines a need for operation.

APPLICATION

The Anden Model A300V1 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.



Installation Options for the Anden A300V1 Dehumidifier

APPLICATIONS	
<p>Freestanding</p> <ul style="list-style-type: none"> • Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space. 	
<p>Inlet and outlet ducted</p> <ul style="list-style-type: none"> • Ducted to circulate air to equalize humidity, temperature and move CO₂. • Dehumidifier located in adjacent room and ducted to space requiring dehumidification. • Great for drying room applications where space may be limited. 	
<p>Suspended</p> <ul style="list-style-type: none"> • Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space. • The dehumidifier is hung from the ceiling to save space in the facility. 	

Optional Controls and Sensors

Wi-Fi Thermostats



Anden Wi-Fi thermostats and mobile app provide humidity and temperature alerts directly to your smart phone or tablet. Control and monitor climate conditions in your grow room 24/7/365 from anywhere.



Wi-Fi Model 8840

Easy-to-use color touch screen with all control options on the home screen.



Wi-Fi Model 8830

Easy-to-use touch screen with all control options on the home screen.



Wi-Fi Model 8820

Easy-to-use touch screen designed for temperature and humidity control.

Sensor



Model 8082 Sensor

Monitor temperature and humidity in multiple locations. Readings averaged to balance temperature and humidity.

Included Controls



Model A76

Dedicated monitoring and control of each dehumidifier at canopy height.

MODEL A76 SPECIFICATIONS

Electrical

Input voltage and current

Voltage: 24VAC +/-20% Current: 25mA (nominal), 50mA (max.) at 24VAC

Output

Dry contact, normally open

Control

Control range

40%-80% RH

Accuracy

+/-5% RH

Differential

3% RH

Low limit

40°F dew point

High limit

99°F dry bulb