

SPECIFICATIONS

Capacity⁽¹⁾ (water removal)	70 ppd	
Energy factor⁽¹⁾ (efficiency)	2.1 L/kWh (4.4 pints/kWh)	
Voltage, Phase, Frequency	120VAC, 1 Phase, 60 Hz	
Current draw⁽¹⁾	5.8 Amps	
Power (Watts)⁽¹⁾	645 Watts	
Btu/h⁽²⁾	2,180	
Noise	53 dBA ducted	58 dBA unducted
Dimensions: (cabinet only)	Width: 12½" Height: 12½" Length: 25"	
Weight	56 lbs.	
Inlet air operating conditions during:		
Dehumidification:	50°F–104°F, 40°F dew point min.	
Ventilation:	40°F–140°F, 0%–99%RH (non-condensing)	

⁽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⁾Total cooling load @ 80°F/60% RH.

FEATURES

Control	Built-in digital control with display
Control mounting option	Front mount only
Air discharge orientation	End of cabinet only
Inlet/Outlet duct collars	8"
Backdraft damper at outlet	No
Filter	MERV 11 disposable
Refrigerant	R410A
Coil type	Corrosion-resistant aluminum
8' Power cord	Plug type
Discharge air temperature rise	10°F–30°F
Drain connection	¾" MNPT Threaded
Warranty	5 Years on all parts including refrigeration system

INCLUDED ITEMS

Drain fitting	¾" MPT x ¾" barbed
10 ft. Drain tubing	¾" ID
Duct collars	8" Round
Manual	Installation instructions



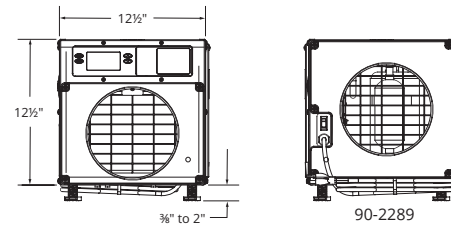
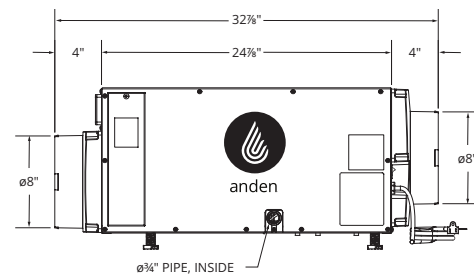
PRINCIPLE OF OPERATION

The Anden Model A70 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 periodic sampling determines a need for operation.

APPLICATION

The Anden Model A70 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.



**DESIGNED,
ENGINEERED &
ASSEMBLED**

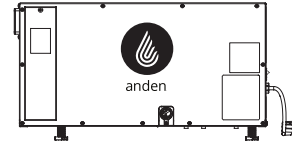
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Installation Options for the Anden A70 Dehumidifier

APPLICATIONS

Freestanding

- Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space.



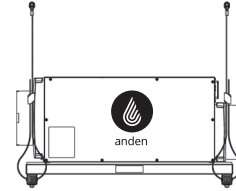
Inlet and outlet ducted

- Ducted with 8" flex duct or hard pipe.
- Circulates air to equalize humidity, temperature and move CO₂.



Suspended

- Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space.
- The dehumidifier is mounted from the ceiling using our hanging kit (Model A5660) to save space in the facility.



Optional Controls



Model A77
Dedicated monitoring and control of each dehumidifier at canopy height.

MODEL A77 SPECIFICATIONS

Electrical

Input voltage and current

Voltage: 35VDC (supplied by dehumidifier control board)

Output

Communication (RS485)

Control

Control range

35%-80% RH

Accuracy

+/-5% RH

Differential

3% RH

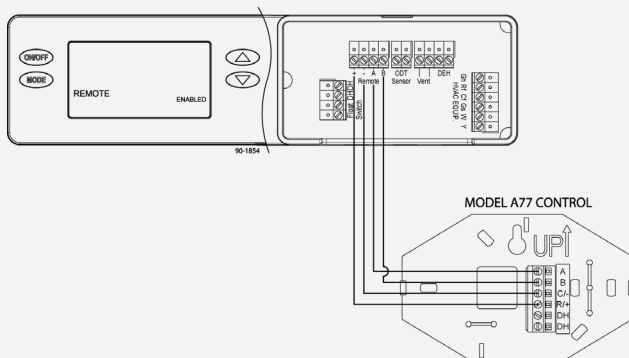
Low limit

40°F dew point

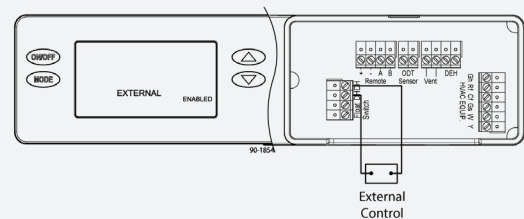
High limit

99°F dry bulb

Model A77 Control (Optional)



External Control w/ Dry Contacts



The Model A100 can be controlled with the Model A77 Control (optional) or any external control that can provide a dry contact closure. When the Model A77 is used, the User Interface on the dehumidifier **MUST BE** set to "Remote". For all other external controls, the User Interface **MUST BE** set to "External". Refer to the quick start guide or installation manual for instructions on accessing the installer set-up menu.