

## SPECIFICATIONS

Capacity <sup>(1)</sup> (water removal)	100 ppd
Energy factor <sup>(1)</sup> (efficiency)	2.6 L/kWh (5.5 pints/kWh)
Voltage, Phase, Frequency	120VAC, 1 Phase, 60 Hz
Current draw <sup>(1)</sup>	6.7 Amps
Power (Watts) <sup>(1)</sup>	750 Watts
Btu/h <sup>(2)</sup>	3,040
CFM	280
Noise	55 dBA
Dimensions: (cabinet only)	Width: 14" Height: 15" Length: 26"
Weight	64 lbs.
Shipping Weight	82 lbs.
<b>Inlet air operating conditions during:</b>	
Dehumidification:	50°F–104°F, 40°F dew point min.
Ventilation:	40°F–140°F, 0%–99% RH (non-condensing)

<sup>(1)</sup>Rated capacity and energy factor test done and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.

<sup>(2)</sup>Total cooling load @ 80°F/60% RH.

## FEATURES

Control	Built-in digital control with display
Control mounting option	Field- interchangeable from top to front
Cabinet insulation	½" EPS
Air discharge orientation	Top or end
Inlet/Outlet duct collars	10" dia.
Backdraft damper at outlet	Included
Filter	11 <sup>22</sup> / <sub>25</sub> " x 13 <sup>1</sup> / <sub>2</sub> " x 1", MERV 11 (Part number 5895)
Refrigerant	R32
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

## INCLUDED ITEMS

Drain fitting	¾" MPT x ¾" barbed
10 ft. Drain tubing	¾" ID
Duct collars	10" Round (A100 only)
Manual	Installation instruction



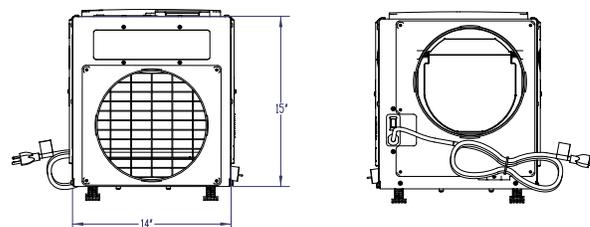
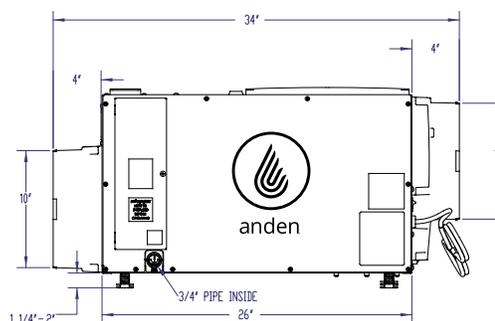
### ► PRINCIPLE OF OPERATION

The Anden Model A100 Medium-Capacity Commercial-Grade 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.

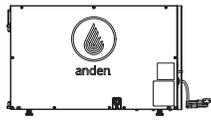
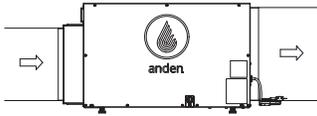
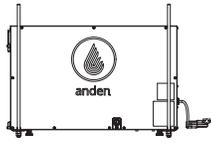
Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

### ► APPLICATION

The Anden Model A100 is the perfect solution for the precise management of humidity required in an indoor growing environment.



# Installation Options for the Anden A100 Dehumidifier

APPLICATIONS	
<p><b>Freestanding</b></p> <ul style="list-style-type: none"> <li>Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space.</li> </ul>	
<p><b>Ducted</b></p> <ul style="list-style-type: none"> <li>Remotely located and ducted into grow space.</li> <li>10" round duct collars included.</li> </ul>	
<p><b>Suspended</b></p> <ul style="list-style-type: none"> <li>Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space.</li> <li>The dehumidifier is hung from the ceiling to save space in the facility.</li> <li>Hanging kit part #A5660 (sold separately).</li> </ul>	

## Model A77



### Model A77 (sold separately)

- Dedicated monitoring and control of each dehumidifier at canopy height.

### 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

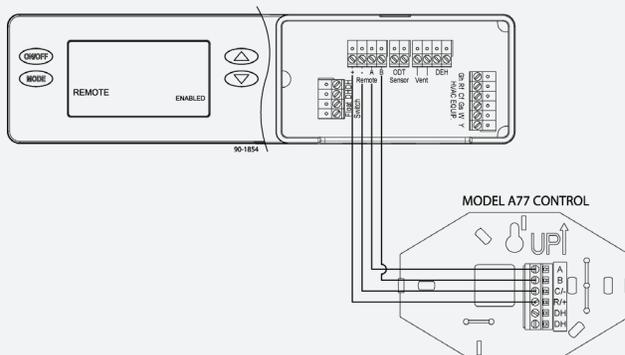
**Differential** 3% RH

**Low limit** 40°F dew point

**High limit** 99°F dry bulb

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.

### Model A77 Control (Optional)



### External Control w/ Dry Contacts

