

### INCLUDED ITEMS

<b>Control</b>	Model A77
<b>Drain fittings</b>	¾" MNPT x ¾" BARB, ¾" MNPT x ¾" Female pipe, ¾" FNPT x ¾" Female pipe, ¾" P-Trap
<b>Drain tubing (length, ID)</b>	10' - ¾" ID
<b>Thermostat wire</b>	30' 20 gauge 4-wire

### SPECIFICATIONS

<b>Capacity<sup>(1)</sup> PPD AT 80°/60%RH</b>	316
<b>Energy factor<sup>(1)</sup></b>	2.7 L/kWh 5.7 pints/kWh
<b>Voltage, Phase, Frequency</b>	277VAC, 1 Phase, 60 Hz
<b>Current draw (amps)<sup>(1)</sup></b>	8.3
<b>Power (watts)<sup>(1)</sup></b>	2,313
<b>Btu/h<sup>(2)</sup></b>	7,900
<b>Power cord type and length</b>	SJT, L7-20P, 10ft 
<b>Hardwire</b>	Field-configurable
<b>Breaker size</b>	20 amp
<b>CFM</b>	830
<b>Dimensions:</b>	Width: 32½" Height: 24" Length: 24¼"
<b>Weight</b>	176 lbs.
<b>Operating range Temp/RH</b>	60/50 to 85/80

<sup>(1)</sup>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, 277VAC.

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

### FEATURES

<b>Control</b>	Onboard digital with diagnostics
<b>Air supply orientation</b>	Horizontal
<b>Filter</b>	20"x22"x2" MERV 11
<b>Refrigerant</b>	R-32
<b>Coil type</b>	Copper tube, Aluminum fin with ElectroFin® E-coat
<b>Drain connection*</b>	¾" FNPT
<b>P-Trap required</b>	Yes (Included)
<b>Leveling feet</b>	Sold Separately (Model #5789)
<b>Hanging brackets</b>	Included
<b>Warranty</b>	5 Years on all parts including refrigeration system

\*Requires drain trap



### PRINCIPLE OF OPERATION

The Anden Model A320V3 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 A320V3 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

### INCLUDED CONTROL



#### MODEL A77

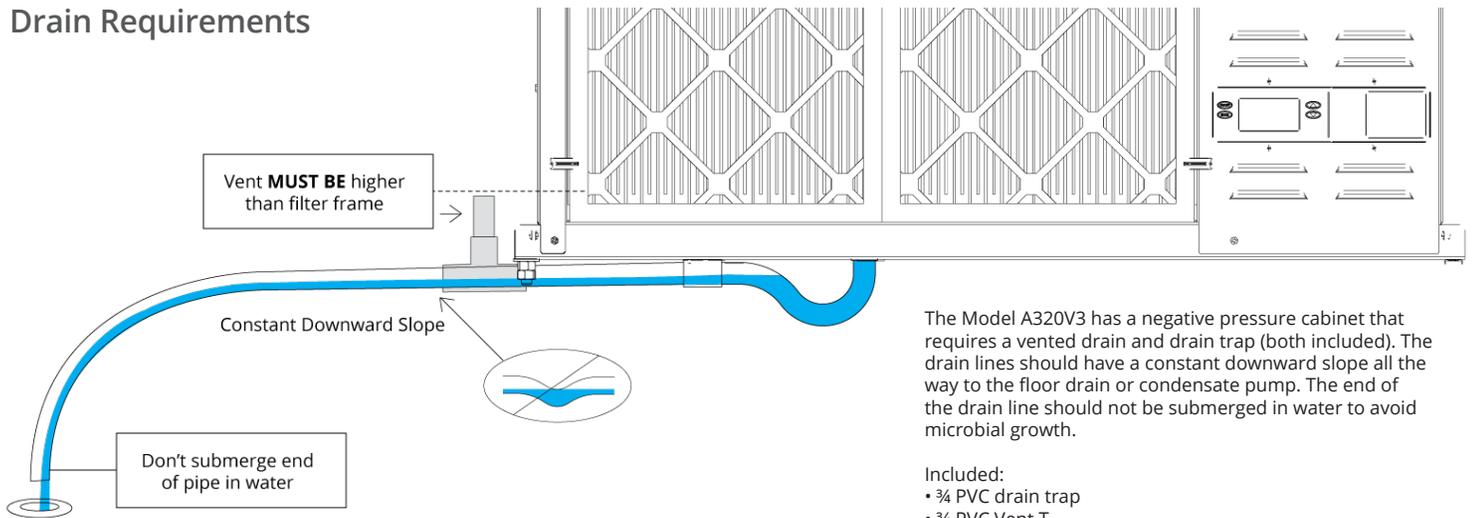
Dedicated monitoring and control of each dehumidifier at canopy height

### MODEL A77 SPECIFICATIONS

<b>Electrical</b>	
<b>Input voltage and current</b>	Voltage: 35VDC (supplied by dehumidifier control board)
<b>Output</b>	Communication (RS485)
<b>Control</b>	
<b>Control range</b>	35%–80% RH
<b>Accuracy</b>	+/- 5% RH
<b>Differential</b>	3% RH
<b>Low limit</b>	40°F dew point
<b>High limit</b>	99°F dry bulb



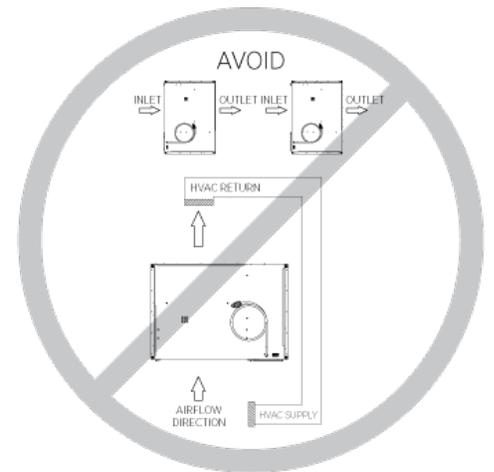
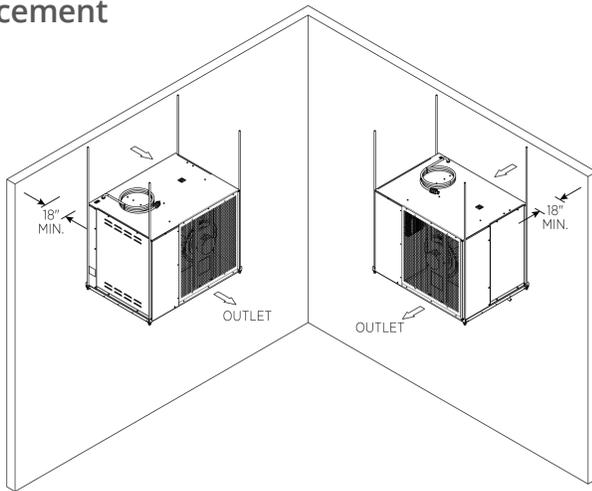
## Drain Requirements



The Model A320V3 has a negative pressure cabinet that requires a vented drain and drain trap (both included). The drain lines should have a constant downward slope all the way to the floor drain or condensate pump. The end of the drain line should not be submerged in water to avoid microbial growth.

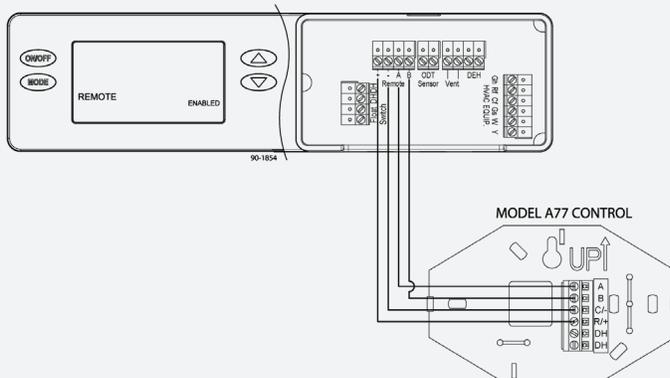
- Included:
- ¾" PVC drain trap
  - ¾" PVC Vent T
  - PVC Connectors

## Placement



The Model A320V3 can be controlled with the Model A77 Control (included) 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 (Included)



### External Control w/ Dry Contacts

