


## SPECIFICATIONS

Capacity <sup>(1)</sup> PPD AT 80°/60%RH	710
Energy factor <sup>(1)</sup>	3.0 L/kWh 6.35 pints/kWh
Voltage, Phase, Frequency	208-240VAC, 1 Phase, 60 Hz
Current draw (amps) <sup>(1)</sup>	19.6
Power (watts) <sup>(1)</sup>	4,706
Btu/h <sup>(2)</sup>	16,168
Power cord type and length	SJT, L6-30P, 10ft 
Hardwire	Field-configurable
Breaker size	30 amp
Wire size	10 Gauge Copper
CFM	0.0" w.c 1760    0.2" w.c 1677 0.4" w.c 1593    0.6" w.c 1510
Dimensions:	W: 44 7/8" H: 34 13/32" L: 31 23/32"
Weight	360 lbs.
Operating range Temp/RH	60/40 to 85/80

<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, 240 VAC.

<sup>(2)</sup>Total cooling load @ 80°F/60% RH and 240 VAC.

## FEATURES

Control	Onboard digital with diagnostics
Air supply orientation	Horizontal
Filter	29.5"x31.5"x1.75" MERV 11 (Part #5825)
Refrigerant	R410A
Coil type	Copper tube, Aluminum fin with I-coat
Drain connection*	3/4" FNPT
P-Trap required	Yes (Included)
Leveling feet	Sold separately (Model #5789)
Hanging brackets	Built-in
Duct Kit	Part # 5859
Warranty	5 Years on all parts including refrigeration system

\* Requires drain trap

## INCLUDED ITEMS

Control	Model A77
Drain fittings	3/4" MNPT x 3/4" BARB, 3/4" MNPT x 3/4" Female pipe, 3/4" x 3/4" x 3/4" T-Fitting, 3/4" P-Trap
Thermostat wire	30' 20 gauge 4-wire



### ▶ ANDEN A710



The A710 features VLGR technology, which modulates the refrigeration system based on the load, allowing you to **maximize VPD** and provide greater control during late flower conditions.

### ▶ APPLICATION

The Anden Model A710V1 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

### Electrical

**Input voltage and current** Voltage: 35VDC (supplied by dehumidifier control board)

**Output** Communication (RS485)

### Control

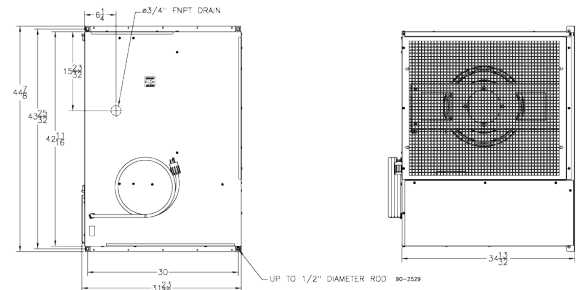
**Control range** 35%–80% RH

**Accuracy** +/-5% RH

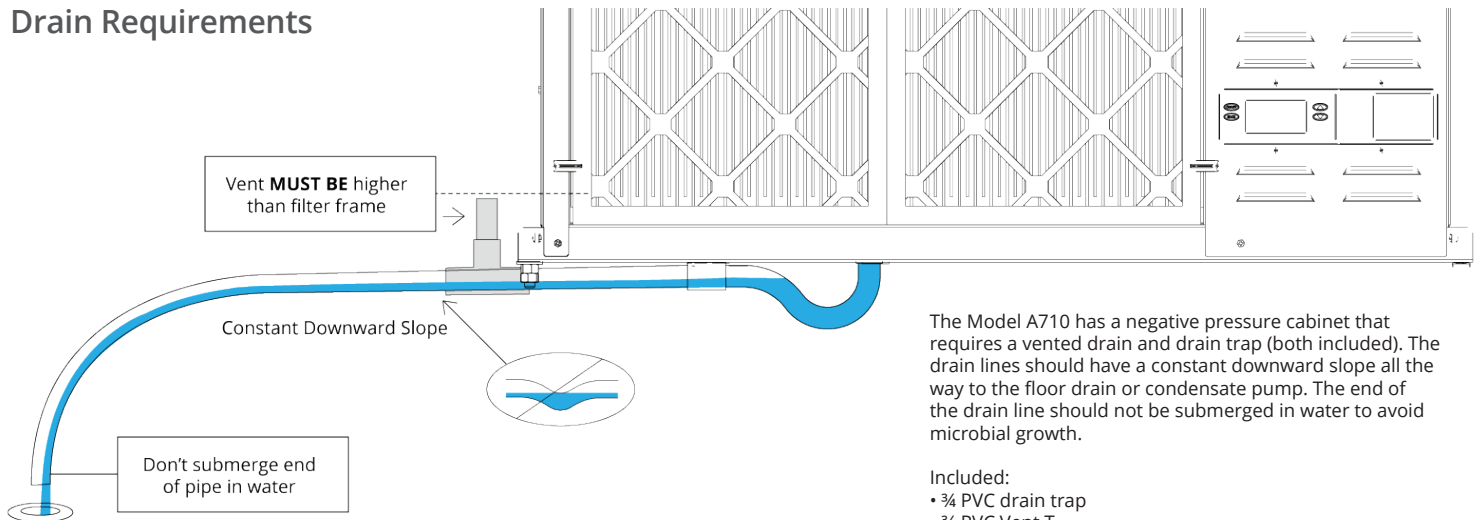
**Differential** 3% RH

**Low limit** 40°F dew point

**High limit** 99°F dry bulb



## Drain Requirements

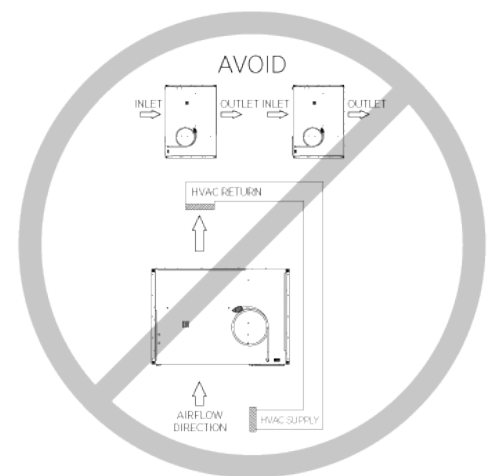
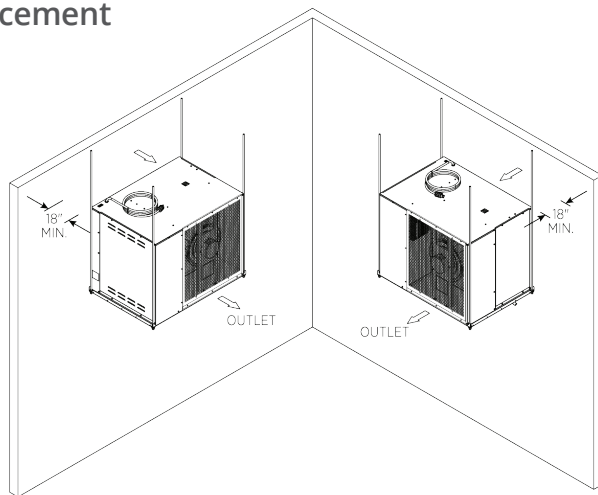


The Model A710 has a negative pressure cabinet that requires a vented drain and drain trap (both included). The drain lines should have a constant downward slope all the way to the floor drain or condensate pump. The end of the drain line should not be submerged in water to avoid microbial growth.

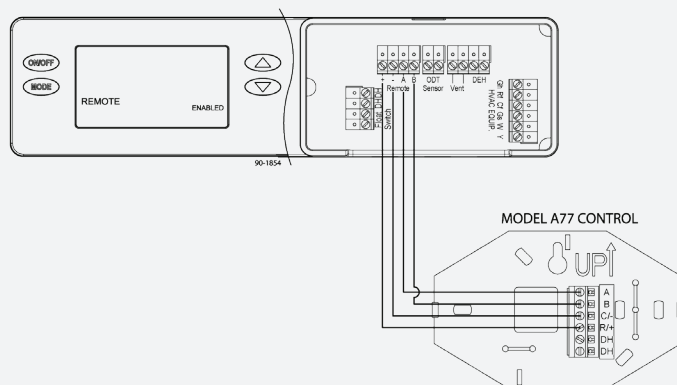
Included:

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

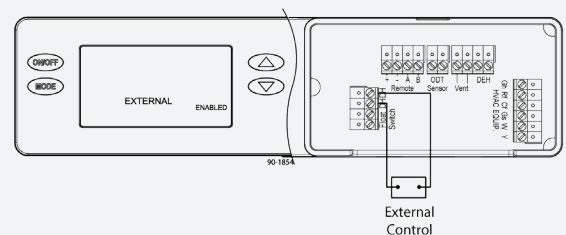
## Placement



## Model A77 Control (Included)



## External Control w/ Dry Contacts



The Model A710 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.