

SPECIFICATIONS

Capacity ⁽¹⁾ PPD AT 80°/60%RH	710
Energy factor ⁽¹⁾	3.0 L/kWh 6.35 pints/kWh
Voltage, Phase, Frequency	277VAC, 1Phase, 60Hz
Current draw (amps) ⁽¹⁾	17.4
Power (watts) ⁽¹⁾	4,820
Btu/h ⁽²⁾	16,168

Power cord type and length

SJT, L7-30P, 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

⁽¹⁾Rated capacity and energy factor test done and current draw measured at 80°F/60% RH inlet air at 0.0 ESP, 240 VAC.

⁽²⁾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 #5852)
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 S77
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

277VAC



► Surna by Anden S710V3



The S710V3 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 Surna by Anden Model S710V3 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

INCLUDED CONTROL



MODEL S77

Dedicated monitoring and control of each dehumidifier at canopy height

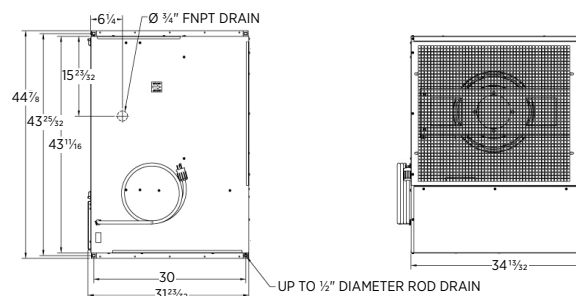
MODEL S77 SPECIFICATIONS

Electrical

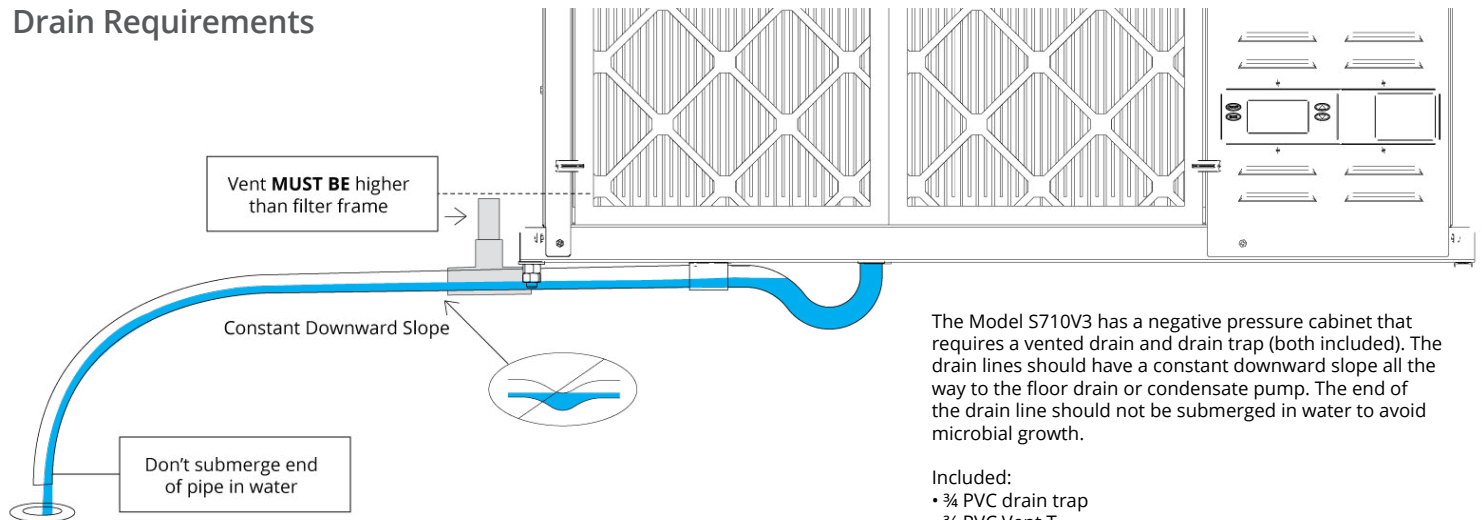
Input voltage and current	Voltage: 35VDC (supplied by dehumidifier control board)
Output	Communication (RS485)

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

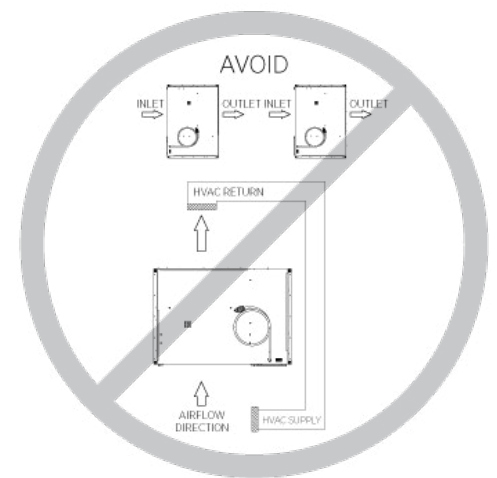
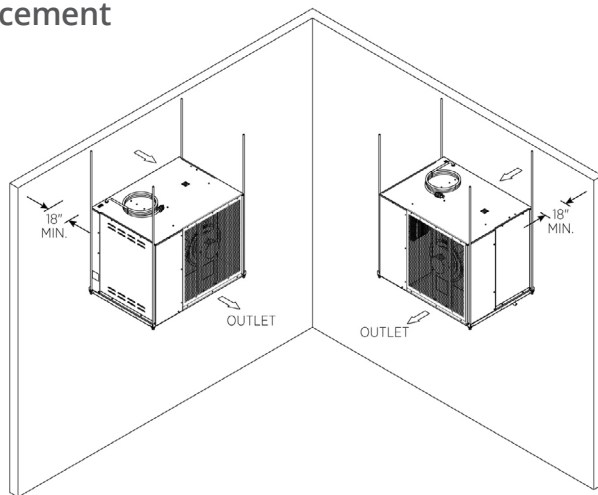


The Model S710V3 has a negative pressure cabinet that requires a vented drain and drain trap (both included). The drain lines should have a constant downward slope all the way to the floor drain or condensate pump. The end of the drain line should not be submerged in water to avoid microbial growth.

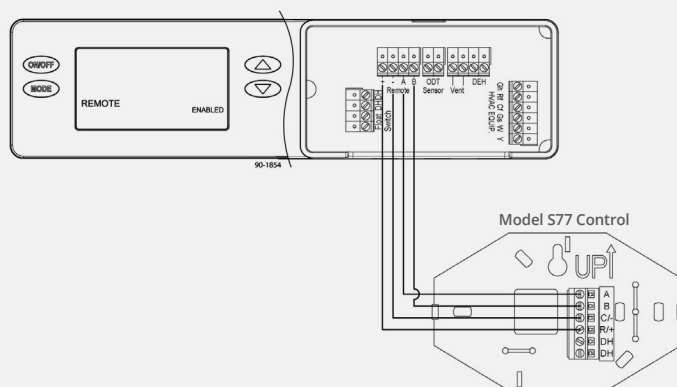
Included:

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

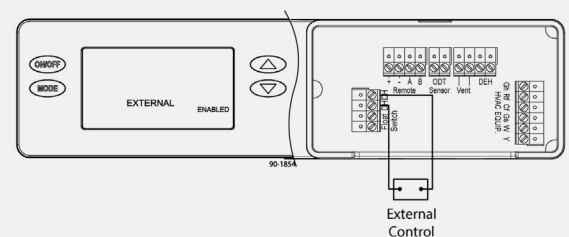
Placement



Model S77 Control (Included)



External Control w/ Dry Contacts



The Model S710V3 can be controlled with the Model S77 Control (included) or any external control that can provide a dry contact closure. When the Model S77 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.