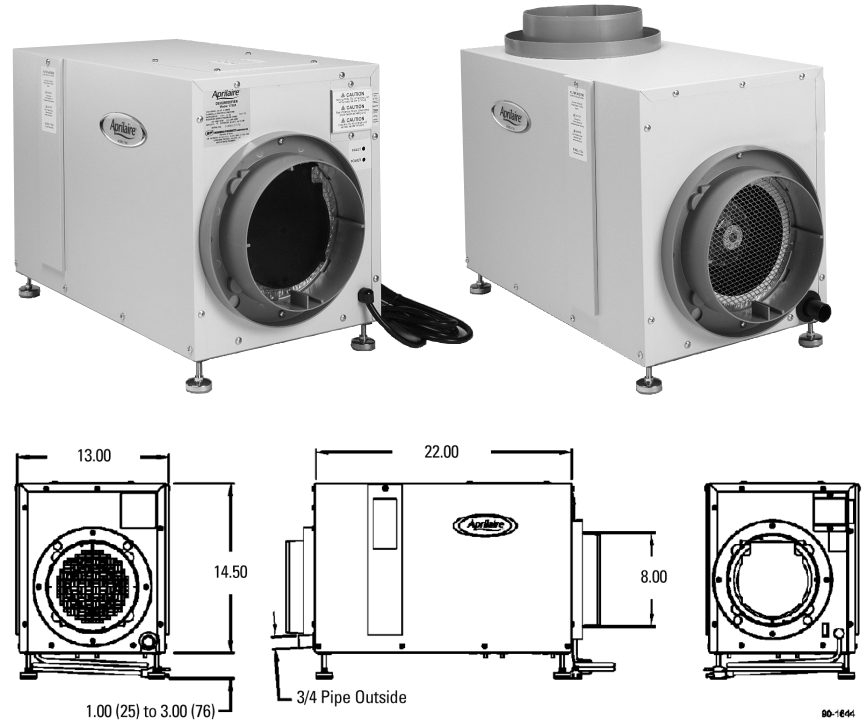


PRODUCT SPECIFICATIONS	
Capacity*	65 ppd
Energy Factor*	1.8 L/kW-h
Airflow @ Varying E.S.P. (external static pressure - dry coil)	
0.0" w.c.	230 CFM
0.2" w.c.	220 CFM
0.4" w.c.	190 CFM
Voltage, Phase, Frequency	120V, 1, 60 Hz
Current draw*	7.0 A
Noise	52 dBA ducted 57 dBA unducted
Dimensions	Width: 12.5" cabinet, 13" w/doors Height: 14.5" cabinet, 15.5" - 17.5" w/ leveling feet Length: 22" cabinet, 27" w/collars
Operating Conditions	
Inlet Air Operating Conditions	60°F - 95°F, 30%RH - 99%RH
Ambient/Ventilation	40°F - 140°F, 0% - 99% RH (non-condensing)
Weight	65 lbs.

* 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 210 CFM.

PRODUCT FEATURES	
Capacity at 230 CFM in Non-Rating Conditions	
70°F / 60% RH = 60 ppd	80°F / 50% RH = 60ppd
65°F / 60% RH = 42 ppd	70°F / 50% RH = 43ppd
Controls	
Model 76 Included	
Cabinet Insulation	
1/2" Foil Faced EPS	
Air Discharge Orientation	
Top or end	
Inlet/Outlet Duct Collars	
8" dia.	
Backdraft damper at Outlet	
Included	
Filter	
1/2" washable, MERV 8	
Refrigerant	
R410A	
8' Power Cord Plug Type	
NEMA 5-15P (L)	
Discharge Air Temperature Rise	
10°F-30°F	
Warranty	
5 Year	
Energy Star Qualified	
YES	
Drain	
0.75" PVC	
Drain Safety Pan	
Included	



PRINCIPLE OF OPERATION

The Aprilaire Model 1730A 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 dewpoint 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 setpoint is reached, then shuts off until the Model 76 Control determines a need for operation.

APPLICATION

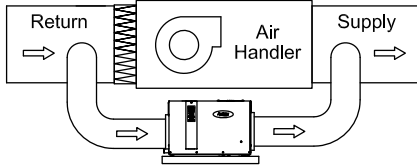
The Aprilaire Model 1730A is the perfect product for smaller homes, townhomes and condominiums.

Do not use the 1730A in a pool areas. Chemicals in the air will cause degradation of the components in the dehumidifier.

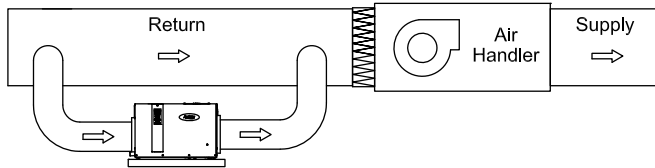
Do not use a dehumidifier to prevent window condensation during the winter. Indoor humidity levels must typically get lower than what dehumidifiers can achieve during cold winter months. Use ventilation to control high winter indoor RH, such as the Aprilaire Model 8126 or Aprilaire Model 8100, or Aprilaire Model 8910 Home Comfort Control.

Features Of The Aprilaire 1730A Dehumidifier

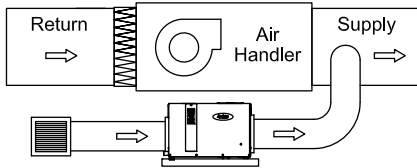
Main Return to Main Supply



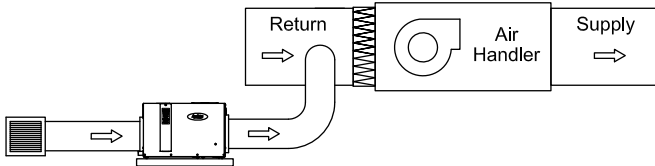
Main Return to Main Return



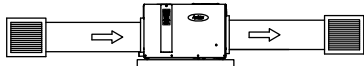
Dedicated Return to Main Supply



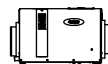
Dedicated Return to A/C Return



Dedicated A/C Return to A/C Return



Unducted



Application (return to supply)

- This is the most common whole house installation
- Air is pulled from the return duct, dehumidified, and returned to the supply plenum
- Minimizes re-evaporation off of cooling coil
- This application is used in basements, attics, equipment closets, etc.

Application (return to return)

Application (return to return)

- This application can be used when a supply duct is not available
- Air is pulled from the return duct, dehumidified, and returned to the return duct
- Assures that the dehumidified air is mixed with rest of the air in the duct before it re-enters the house
- This application is used in basements, attics, crawl spaces, etc.

Application (dedicated return to supply or return)

- This application can be used when a return duct is not available
- Air is pulled through a dedicated return grille, dehumidified, and returned to the supply plenum or return

Application (dedicated supply and return)

- For homes without duct work
- Dries a specific area that has a moisture issue
- Dehumidifier can be located in a closet, mechanical room or unfinished area and ducted into a finished room

Application (freestanding)

- Model 1730A unducted
- Air is pulled into the dehumidifier directly from the space, dehumidified, and return back to the space
- This application is used in basements, crawlspaces, etc.

Model 76 Wall Mount Dehumidifier Control



- On/Off buttons
- Wall mounted living space control
- Displays RH and controls to an RH value

SPECIFICATIONS

ELECTRICAL	
Input Voltage and Current	Voltage: 24VAC +/-20% Current: 25mA (nominal), 50mA (max.) at 24VAC
Output	Dry Contact, Normally Open

CONTROL	
Control Range	40% - 80% RH
Accuracy	+/-5% RH
Differential	3% RH
Low Limit	40°F Dew Point
High Limit	99°F Dry Bulb



Aprilaire