

PRODUCT SPECIFICATIONS	
Description	Model 1750A/1710A
Capacity	90 ppd @ 80°F/60% RH
Voltage/Phase/Frequency	115/1/60
Amp Draw	8 amps @ 80°F/60% RH
Air Flow	275 CFM @ 0.6" w.c. ESP
Inlet Air Temp. Range – Dehumidifier	50°F – 100°F
Control Range (Dewpoint)	40°F – 65°F
Inlet Air Temp. Range – Ventilation	40°F – 140°F
Inlet Air Humidity Range – Ventilation	Up to 95% non-condensing

PRODUCT FEATURES AND APPROXIMATE OPERATING CONDITIONS	
Description	Model 1750A/1710A
Controls	Built-In Automatic Control or Model 75 Space Control (Accessory)
Cabinet Insulation	1" Foil Face EPS
Dimensions	20 3/4"W x 24"L x 20 5/8"H (mounting feet fully engaged) 20 3/4"W x 24"L x 22 5/8"H (mounting feet fully extended)
Duct Size	*8" Dia.
Integral Backdraft Damper on Outlet	*Included
Drain size	0.75" Dia., PVC
Filter	1" Washable, MERV 8
Refrigerant Type	R410A
8' Power Cord Plug Type	NEMA 5-15P (U)
Outlet Air Temperature – Dehumidification	100°F @ 80°F/60% Inlet
Outlet Air Humidity – Dehumidification	22% RH
Sound Level	48 dBA Ducted; 54 dBA Unducted
Weight	93 lbs.
Warranty	5 Year.

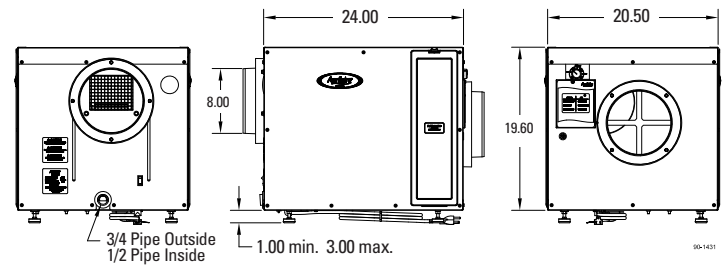
**Does Not Apply To 1710A*

MODEL 1750A PERFORMANCE AT INLET AIR CONDITIONS AND 275 CFM (.4"W.C)				
Water Removal PPD Relative Humidity, % RH				
RH	Temperature			
	65	70	80	90
50		50	65	85
60	47	75	90	110
70	70	95	115	130
80	101	115	135	160



Model 1710

Model 1750



PRINCIPLE OF OPERATION

The Aprilaire Model 1710A/1750A is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature and 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 set dewpoint is reached, then shuts off until periodic sampling determines a need for operation.

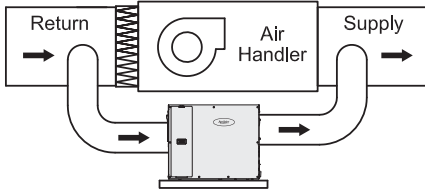
VENTILATION

The Model 1750A has the ability to bring in fresh air. Fresh air will dilute stale air and pollutants and will reduce humidity in the winter months. The fresh air is brought in through a 6" round duct and 6" round normally closed damper. The dehumidifier has built in controls to adjust the amount of fresh air that is brought in.

The Aprilaire dehumidifiers are not designed for pool applications or any application where airborne chemicals are present.

Features Of The Aprilaire 1710A/1750A Series Dehumidifiers

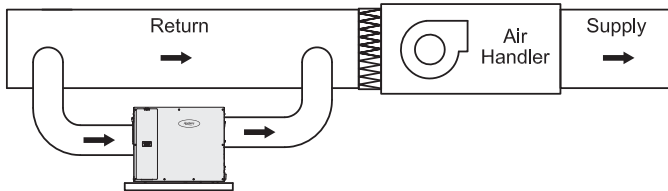
Main Return To Main Supply



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.

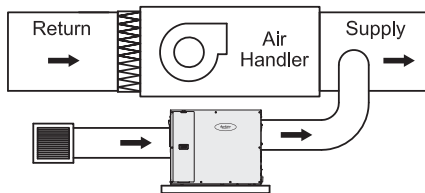
Main Return To Main Main Return



Application (return to return)

- This application can be used when the 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

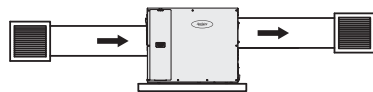
Dedicated Return To Main Supply Or Return



Application (dedicated return to supply or return)

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

Dedicated A/C Return To Dedicated Supply



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

Unducted



Application (freestanding)

- Model 1710A stand alone unit or Model 1750A 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 75 Wall Mount Dehumidifer Control



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

Set Point Range	40% RH to 80% RH
Cut-off Limit: (low)	40° F Dewpoint
Operating Temperature	32° F to 120° F
Display Range	1% RH to 99% RH
Accuracy	±5% RH
Differential	3%
Dimensions	2.25 W x 2.75 H x 0.80 D

* For attic installations, the Model 75 wall mount dehumidifier control is recommended

