

**Aprilaire®**

**Central Dehumidifiers**

***Create a healthier,  
more comfortable home environment.***

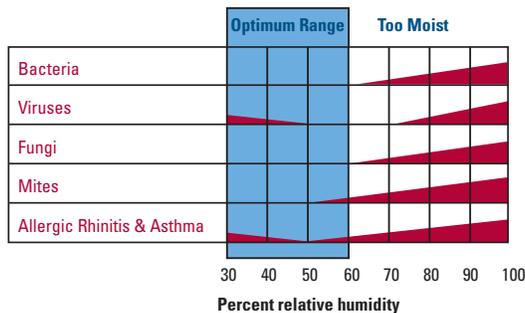
**Perfect for Southern Homes**



# Controlling excess humidity is essential for health, comfort and energy savings.

## Protect Your Health.

Allergens like molds thrive in relative humidity conditions above 60%, leading to a variety of ailments including asthma, allergies and respiratory infections. Dust mites, the leading cause of allergies, thrive in homes with high relative humidity. Aprilaire high capacity central dehumidifiers offer you protection from the spread of mold and other allergens.



Source: ASHRAE, Adapted from Sterling et al., 1985

Data released by the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) demonstrates that keeping relative humidity in the optimum humidity zone limits the effects of many unwanted conditions.



*"There is no practical way to eliminate all molds indoors; the way to control indoor mold growth is to control moisture."*

– U.S. Environmental Protection Agency

*"Mold only needs a few simple things to grow and multiply:*

- Moisture
- Nutrients (food)

*Of these, controlling excess moisture is the key to preventing and stopping indoor mold growth."*

– Minnesota Department of Health

## Save Energy.

Using a dedicated central dehumidifier along with air conditioning, can save energy. An air conditioner is not controlled based on humidity and your home can remain humid even at the temperature set point. Turn your thermostat up and run your air conditioner less often saving on your cooling bills, and depending on how your dehumidifier runs, you can save on your overall energy bills.

## Protect Your Home.

Molds thrive in high humidity conditions. Wood floorings, cabinets and furniture also suffer from warpage and structural damage. Remove the worry and protect your home with an Aprilaire dehumidifier that guards against excess moisture. Never again touch a surface in your home that is wet with condensation—a breeding ground for mold.

## Protect Your Comfort.

It's easy to identify those hot and sticky days when your home is unbearable without a central air conditioner. But there are also key times of the year when humidity levels are high enough to make you feel uncomfortable, even at moderate temperatures when the air conditioner is not running. Days when:

- The temperature is at the thermostat set point or below, but you still feel uncomfortable.
- You get a clammy feeling or suffer from sleepless or restless nights.
- You use blankets to keep warm in the middle of the summer.

Only a dedicated dehumidifier can effectively reduce excess moisture without overcooling your home—and you!

[www.Aprilaire.com](http://www.Aprilaire.com)

# Central dehumidification is essential for all sizes and types of homes.

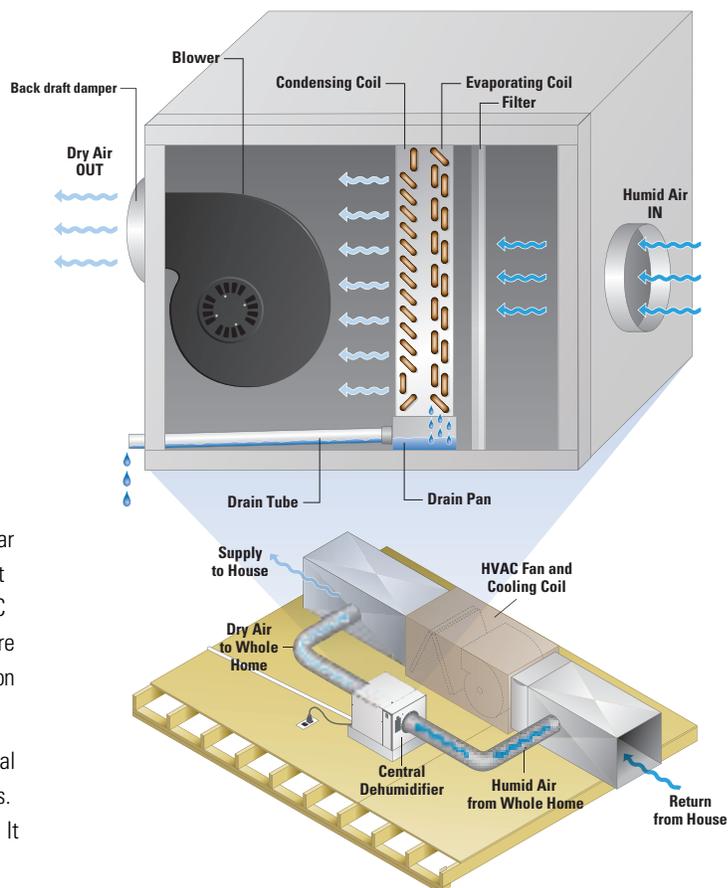


Aprilaire central dehumidifiers have undergone rigorous reliability and durability testing assuring the high-quality performance you expect and deserve from Aprilaire.



All homes need humidity control. And in southern climates, they need it year round. Aprilaire has a solution for every size home. From our compact 65-pint unit—perfect for townhomes, condominiums and homes with a closet HVAC system—all the way up to our 135-pint unit for homes that are 5,000 square feet or more. Aprilaire can provide every homeowner the whole-home protection and performance of central dehumidification.

Installed as part of your home's heating and cooling system, Aprilaire central dehumidifiers pull air from every room in your home through the return ducts. It removes the moisture and then sends dry air back throughout your home. It works in conjunction with your air conditioner to efficiently balance the humidity levels in your home, but can also work independently on days when you don't need the air conditioner.



NOTE: For illustration only. May vary by model.

## Practical Design and Built-in Innovation Offer Superior Performance.

- **Control Your Comfort** — Automatic humidity sensing provides efficient and effective removal of excess humidity in your home.
- **Convenient and Quiet Operation** — Installed away from your living space, Aprilaire central dehumidifiers perform with virtually no increase in noise over your HVAC blower system.
- **Low Maintenance** — No messy trays to empty; simple once-a-year filter cleaning.
- **Whole-Home Capacity** — Unlike portable dehumidifiers, high capacity central dehumidifiers protect from one single, out-of-the-way source.
- **Fresh Air Ventilation** — Automatically removes polluted air and circulates fresh air throughout your entire home so that each and every room is fresh and clean.

# Meeting the special needs of coastal communities.

***"A dehumidifier is effective and reliable in controlling relative humidity at a reasonable energy cost"***

*— Florida Solar Energy Center Study*



For owners of coastal homes, apartments, townhomes and condos, it is especially important to provide year-round protection from excess humidity. Homes in these areas are subjected to extreme humidity conditions every day, all year long. Air conditioning can help, but often requires you to overcool your home. That's uncomfortable and costly.

## **Comfort and Energy Savings While You're Home...**

Central humidity control allows you to be comfortable at higher temperatures, which means you can raise the set point on your thermostat and maintain a healthier, more comfortable home.



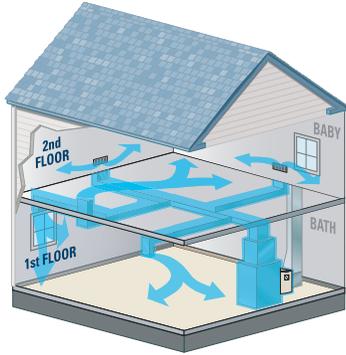
## **...Protection and Energy Savings While You're Not Home.**

For part-time residents, or if you're traveling, it's important to control the growth of mold and mildew by maintaining proper humidity levels while you're away and your home is closed for long periods. And why pay for overcooling to protect your home when you're not even there?

# Factors to consider for effective dehumidification.



**Portable unit removal**



**Whole-home unit removal**

## Whole-Home Capacity.

Portable dehumidifiers treat the air in just one room. To properly control health, comfort and preservation throughout your home, you would need to purchase a portable dehumidifier for every room. In this situation, you would consume more electricity than necessary.

**A more efficient solution** is to have a single, whole-home central dehumidifier installed as part of your home's central heating and cooling system.

## Energy Efficiency.

Air conditioners are great at cooling air, but often require you to over cool your home in order to dehumidify. An Aprilaire dehumidifier allows you to keep your home at an ideal temperature without feeling sticky. Have a vacation home that you only use part time? You can save by running a dehumidifier instead of an air conditioner when you're gone!



## Convenience and Simplicity.

Aprilaire Central Dehumidifiers are easy and economical to maintain. Simply clean the on-board air filter once every 12 months. In addition, they operate in near silence and are tucked away out of site. And, there are **no messy water trays** to empty.



## Aprilaire Dehumidifier Specifications

	Unit Size (inches) <i>Width x Height x Depth</i>	Capacity <i>ppd = pints per day</i>	Weight	Warranty
 <b>Model 1730A</b>	12.5" x 14.5" x 22"	65 pints per day	65 lbs.	5 years
 <b>Model 1710A<sup>1</sup>/1750A</b>	20.5" x 19.58" x 24"	90 pints per day	93 lbs.	5 years
 <b>Model 1770A</b>	20.5" x 19.58" x 24"	135 pints per day	100 lbs.	5 years

<sup>1</sup> = 1710A stand-alone available for non-ducted applications



## Sizing Guidelines for Aprilaire Dehumidifiers

Recommended home floor area ft<sup>2</sup> that listed dehumidifier can meet the dehumidification load, assuming 8' ceilings. These are sizing guidelines only. Assuming 8 ft ceilings. The actual home size is dependent on the exact location of the home, the actual total ventilation rate, occupant living habits, moisture removal characteristics of the air conditioning system and the environmental conditions at which the occupants experience comfort.

	Model 1730A		Model 1750A/1710A <sup>1</sup>		Model 1770A	
	1.00 ACH	.50 ACH	1.00 ACH	.50 ACH	1.00 ACH	.50 ACH
<b>Region A Home</b>	2600 ft <sup>2</sup>	3600 ft <sup>2</sup>	3600 ft <sup>2</sup>	5000 ft <sup>2</sup>	5400 ft <sup>2</sup>	7400 ft <sup>2</sup>
<b>Region B Home</b>	2000 ft <sup>2</sup>	3200 ft <sup>2</sup>	2800 ft <sup>2</sup>	4500 ft <sup>2</sup>	4100 ft <sup>2</sup>	6700 ft <sup>2</sup>
<b>Region C Home</b>	1200 ft <sup>2</sup>	1800 ft <sup>2</sup>	1700 ft <sup>2</sup>	2600 ft <sup>2</sup>	2500 ft <sup>2</sup>	3800 ft <sup>2</sup>

ACH = Air Changes Per Hour



## GET GREEN with greater comfort FROM APRILAIRE.

Whether you're updating your home to be more healthy, energy-efficient and sustainable or you're building a new green-certified home, Aprilaire offers a complete line of innovative products designed to improve the quality of indoor air. Our dehumidifiers help by removing excess moisture and reducing the damage that mildew and mold can have on the sustainability of your home and the health of your family. Central dehumidifiers help qualify your home for the Green-Built Certification Program of the National Association of Home Builders.

### FOR YOUR COMFORT • HEALTH • ENERGY SAVINGS • PROTECTION

Aprilaire offers a full line of comfort accessories that improve indoor air quality throughout your home.

For the ultimate in quality, performance, reliability and sustainability ask for Aprilaire:

Humidifiers, Dehumidifiers, Air Cleaners, Zoned Comfort Control<sup>®</sup>, Thermostats and Ventilation.

