



# Basement and Crawl Space Dehumidifiers

## Product Guide



*Trusted Solutions for a Healthy Home®*



## Aprilaire Commitment to Your Business

Aprilaire goes beyond world-class service and product quality. We bring over 60 years of humidification engineering and marketing expertise to provide you with proven-successful tools that will substantially grow your business. We'll develop your greatest resource (your people) into successful sellers and promoters of high-capacity, commercial-grade dehumidification as a permanent and necessary moisture control solution.

- + Training for your installers, technicians and sales consultants.
- + In-home sales tools to communicate the need to dehumidify and the best solution *you* provide for your homeowner customers.
- + Co-op advertising tools to help you promote your business.
- + Private labeling on literature and products.
- + Live tech support and customer service teams ready to help you with product knowledge, selling tools and literature.

# Make dehumidifiers part of your solution

Inform your customers of the importance of proper humidity control for long-term protection.

## Basements

Damp basements are unavoidable; even with proper foundation protection. Moisture infiltrates at any sublevel. Most homeowners use a dehumidifier to avoid musty odors. They may not be aware of other problems associated with high humidity, like allergy-aggravating mold. Or mildew that damages possessions, or warpage of wood. Typical portable dehumidifiers often can't keep up with the high humidity environment. Offer your customers a higher capacity, commercial-grade dehumidifier that runs more efficiently. Aprilaire dehumidifiers provide better protection, easier maintenance, and unrivaled energy efficiency.

## Crawl Spaces

Even encapsulated crawl spaces continue to build up humidity. Condensation forms on duct work and pipes and small amounts of moisture continues to seep through walls and floors. Over time, wood floor joists can warp and even decay. Sealing the crawl space and adequately controlling the dew point with a high-capacity dehumidifier is the only way to properly protect the home.



## Added Benefits

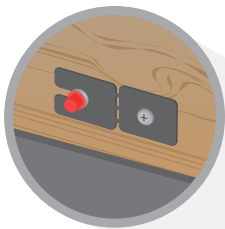
- + **Healthier indoor air** Controlling high humidity reduces airborne viruses, mold and mildew growth which can aggravate allergies and asthma.
- + **A more comfortable home** Damp, sticky conditions and musty odors are eliminated when excess moisture in the air is removed and controlled.
- + **Protection** Protect house structure, woodwork, draperies, valuables being stored like clothing, photos, etc.
- + **Energy savings** Feel comfortable without having to overcool the home with air conditioning. An Aprilaire dehumidifier will control humidity better and more efficiently than smaller portable units, saving homeowners money on their energy bills for years to come.

*Offer high-capacity dehumidification for years of trouble-free protection.*

# Basement and Crawl Space Applications for Dehumidification

## Indicator Light (crawl space units only)

Mounted outside of building or in living space. Illuminates if unit needs service.

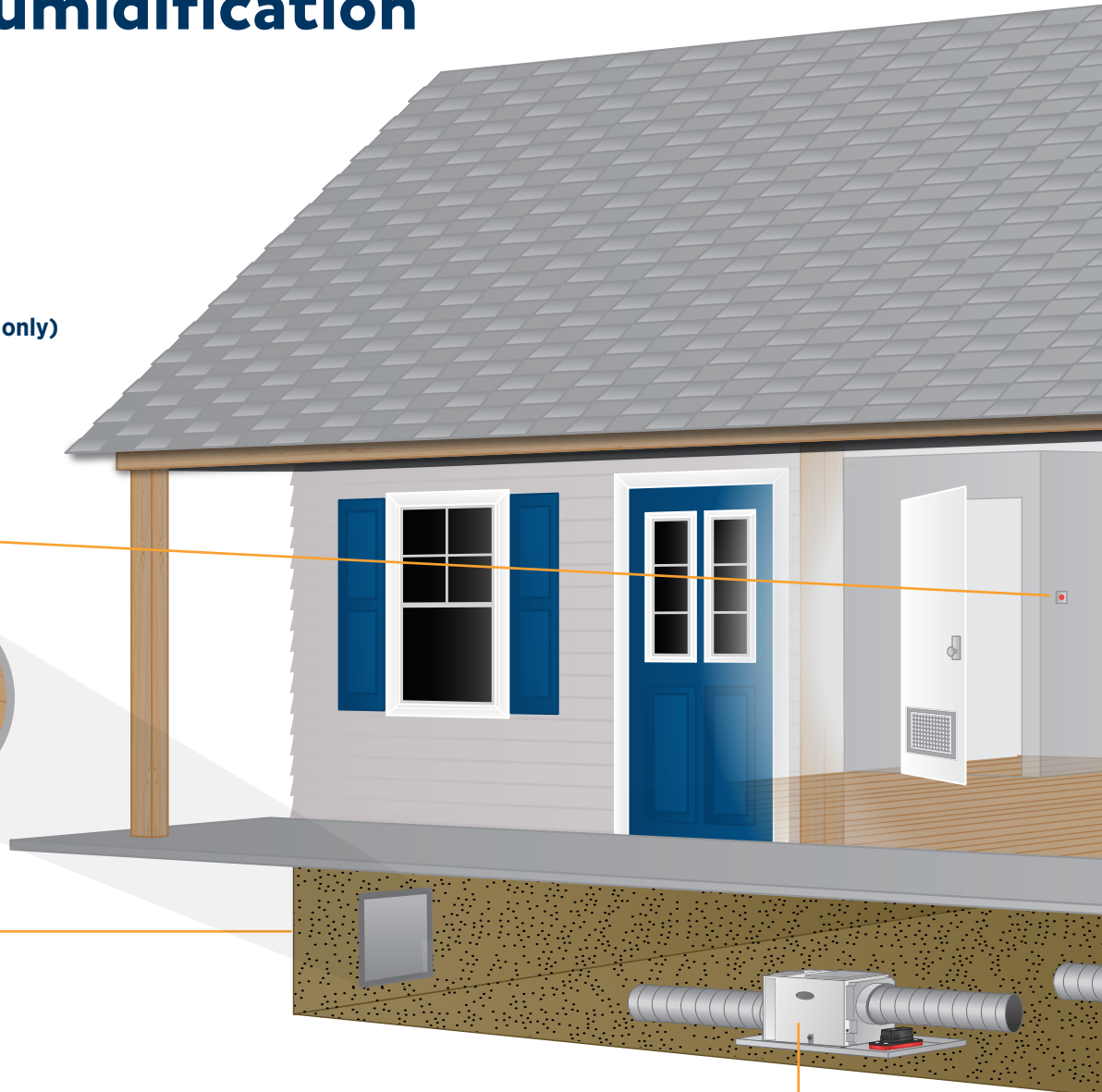


## Duct Collar

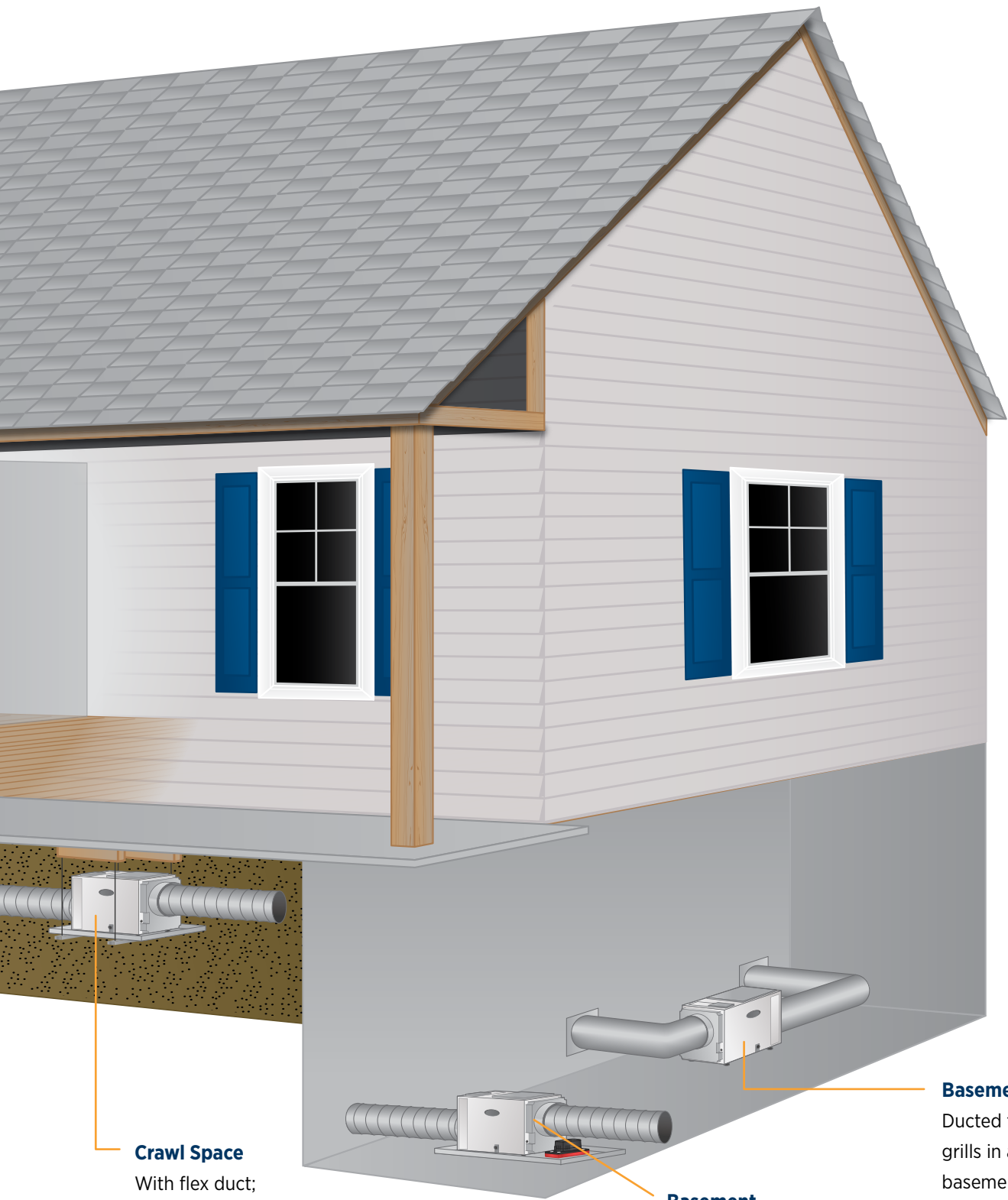
10" in diameter  
with retention tabs

## Crawl Space

With flex duct and  
condensate pump







**Crawl Space**  
With flex duct;  
hanging from floor joist

**Basement**  
With flex duct and optional  
condensate pump

**Basement**  
Ducted to dedicated  
grills in a finished  
basement

# Smaller, Quieter and More Effective Dehumidification



## Duct Collar

10" in diameter  
with retention tabs

## Fresh Air

- + Ability to pull fresh air into the home (per ASHRAE 62.2-2010)
- + Dehumidifies ventilated air

## Water Removal Per Day

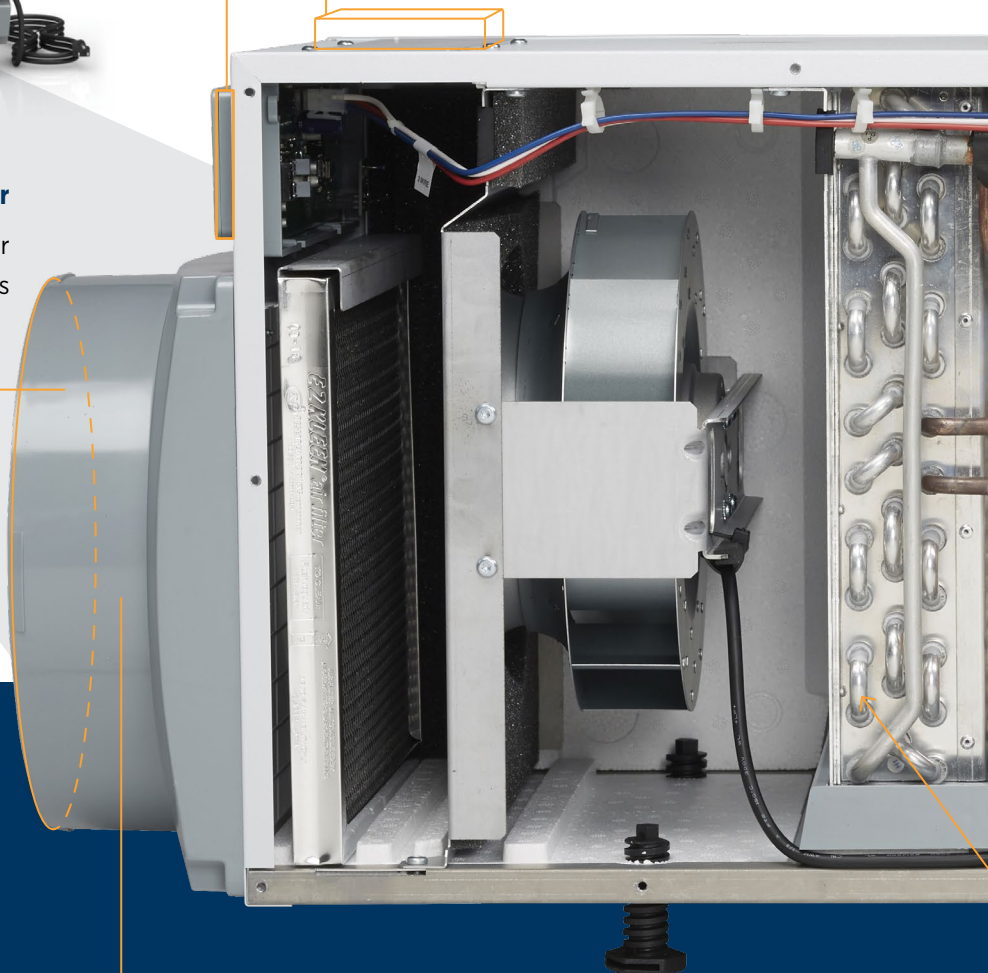
Industry leading capacities  
(70, 95, and 130 pint per day options)

## Whisper Quiet

Air flow managed to minimize noise while maximizing efficiency

## Digital Control

- + Intuitive consumer RH% set point
- + Top and side mounting options
- + Interactive display walks you through set up options, eliminating dip switches
- + Ventilation control options including ASHRAE 62.2-2010
- + Primary/secondary zoned dehumidification options
- + New setting to either activate or deactivate the unit while the air conditioner is running
- + Troubleshooting assistance with easy to identify diagnostic codes on the display and on back of the control cover
- + Flexible control options in living space



12.5" W x 14.5" H x 25" L

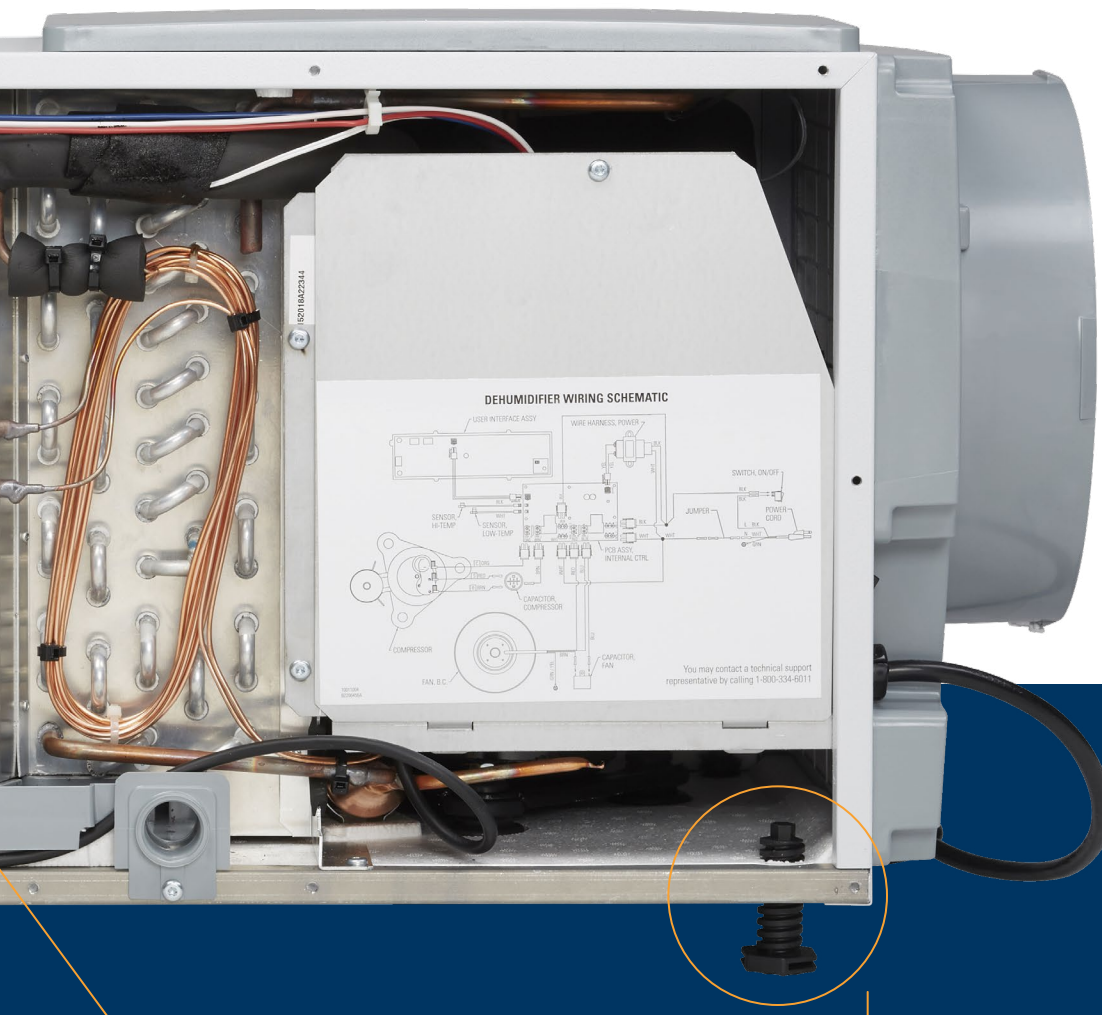
Model 1850 Shown

## Small Cabinet, Larger Capacity

The Models 1830 and 1850 have maximum capacity with a reduced cabinet size that fits into crawl spaces, scuttle openings and HVAC closets

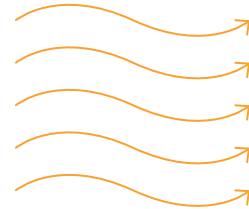
## World-Class Quality

- + **Aluminum coils** Protect against corrosion, extending the life of the refrigeration system
- + **Manufacturing process** End of line testing with helium leak detection
- + **Refrigeration design** Optimized for manufacturing, withstands severe shipping
- + **Warranty** 5-year warranty and industry leading claim processing



### Positive Pressure Cabinet

- + Convertible top and side air discharge locations  
(Models 1830, 1850 & 1870)
- + Helps remove condensation
- + No P-trap needed



### Power Options

1. Plug the unit directly into an outlet
2. Hardwired options available

### Corrosion Defense

Industry leading aluminum coil for complete corrosion defense

### Adjustable Feet

New robust plastic feet are easy to adjust by hand, no tools necessary

Aprilaire Dehumidifiers	Model No.	Unit Size <sup>2</sup> Width x Height x Depth	Capacity ppd = Pints Per Day	Nominal Sizing Recommendation*	Weight lbs.	Warranty
	1820 <sup>1</sup>	12½" x 12½" x 25"	70 ppd	2200 sq. ft	56	 
	1830 <sup>1</sup> / 1830CS <sup>1</sup>	12½" x 14½" x 25"	70 ppd	2200 sq. ft	67	
	1850/ 1850CS	12½" x 14½" x 27½"	95 ppd	3000 sq. ft	70	
	1852 <sup>2</sup>					
	1870 <sup>1</sup>	19½" x 18¾" x 30"	130 ppd	4000 sq. ft	113	
	1872 <sup>1, 2</sup>				114	



Most Efficient  
2020  
www.energystar.gov

<sup>1</sup> Recognized as the Most Efficient of ENERGY STAR® 2020

<sup>2</sup> 1852 and 1872 are on casters

\* Recommended crawl space area ft<sup>2</sup> with the listed dehumidifier can meet the dehumidification load, assuming the crawl space is sealed. These are sizing guidelines only. Unit sizing is dependent on the location of the crawl space, the soil and environmental conditions surrounding the crawl space.

## Available Options



### Model 76 Living space control

Control your dehumidifier from any convenient living space.



### Model 4856 Condensate Pump

When no drain is accessible, the unit pumps water to the outside.



### Model 5546 Living Space Duct Kit



### Model 5822 Hanging Kit

27" W x 3" H x 38" L  
Weight: 18 lbs.  
Working Load: 400 lbs.