AprilAire PARTNERS

Humidity Solutions

Whole-Home Dehumidifiers



Healthy Humidity in every home.



AprilAire

We are professional-grade Healthy Air solutions. AprilAire is on a mission to enhance people's health by improving the air in their homes. Healthy Air is essential to living a healthy lifestyle and improving our overall well-being. We are inspired by the needs of consumers and the expertise of professional contractors to create, design, and build innovative solutions.

AprilAire is Healthy Air.

5 YEAR WARRANTY

Designed & Assembled in the USA
utilizing U.S. and Global Components

Most Efficient 2024
ENERGY STAR www.energystar.gov

*Models E080, E100, and E130

Help Your Customers Fight the Conditions That Create Humidity

According to the American Home Comfort Study, humidity control is "one of the most desired consumer needs." The first step to controlling it is knowing what conditions create it. Then, your customers will know how a dedicated, high-efficiency dehumidifier can help.

Air Conditioner/Heat Pump–Latent Load Issues

Energy-efficient, tight home construction often has low infiltration rates. This reduces sensible demand and air conditioning run time, which results in less latent humidity removal when it's needed most.

If the HVAC equipment includes an oversized air conditioner/heat pump, it will cycle quickly. These quick cycles do not allow enough time to remove the latent load.

Homeowners often overcool their homes to try to remove humidity, which makes them too chilly even in the summer. This often happens when an air conditioning call is made to address a raised temperature. But continuous cooling doesn't control humidity – it only creates more cooling calls and increased costs to run them.

Multi-Unit Residences

Condos and townhouses have many residences with limited external facing walls. Since they are interior units, they are surrounded by conditioned space, so their individual systems have reduced run times. When run times are reduced it's often not enough to remove the home's daily moisture gain.

Multi-unit or single-family homes with primarily part-time residences run air conditioners less often to save energy. This allows moisture to build in the space and creates property damage.

Attic

Sealing attics or other drafty areas can save money but tightening the home like that can also lead to a buildup of damaging, unhealthy levels of humidity. A high-capacity dehumidifier in a sealed attic can reduce indoor RH and provide consumers with improved energy savings without damaging the home or sacrificing health and comfort.

Southern–Shoulder Season

In the south there are many months when the outside temperature is below 76°F, and the RH is above 60%. In these conditions, which can exist over 70% of the time between October and April in some places, the air conditioner run time is not adequate to remove excess humidity.

There are many part-time, seasonal residents in the south who are not at home in the hot, humid summer months. When they're not home, air conditioners run less often so humidity continues to build.

Northern–Basements

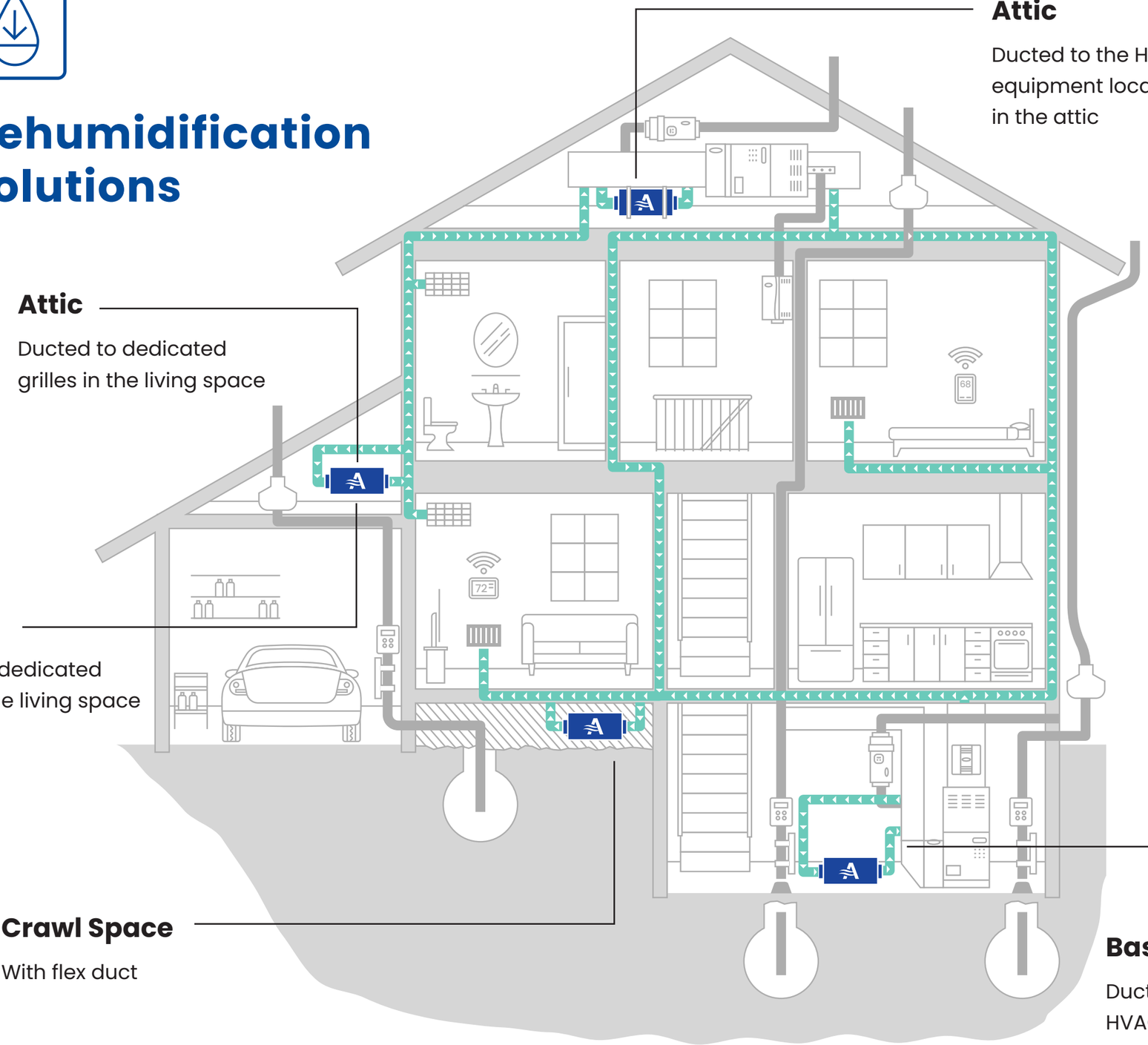
In the spring and summer, the temperature of the ground is around 54°F and full of moisture. This makes it impossible for basements to avoid high humidity. This is why most basements have a portable dehumidifier. These units often have a hard time keeping up with the constant infiltration of dampness, cycling on and off over 300 times per day. Their capacity is lowered right along with their life expectancy.

Crawl Spaces

Wood floor joists are typically the coldest surface in a crawl space. It's because the interior of the home is air conditioned and the cold air temperature transfers into the structure. That means the dew point must be controlled, otherwise water will form on the surface of the floor joists, and over time will cause the wood to decay and lose strength. Sealing the crawl space and managing the dew point is the only way to protect these homes from this potentially disastrous issue.



Dehumidification Solutions



So Many Applications. So Easy to Install.

Every home should have healthy air. That's why we designed our dehumidifiers for all kinds of applications and made installing them as easy as possible. Our full line offers several sizes and capacities with models that provide adjustable top or side discharge, top or side control, and several external control options.

We've Never Met a Home We Couldn't Help.

Whether you're in the steamy south, chilly north, or damp northwest, an AprilAire Dehumidifier can help improve your customers' air. They can be installed wherever they will most effectively solve their home's moisture and high humidity problems.

- **Attics**
- **Basements**
- **Closets**
- **Crawl Spaces**
- **Garages**

Better air made through better efficiencies.

Energy Efficient

Removes moisture with less energy

Expanded Capacity

More pints per day

Ease of Install

Supports all critical applications

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
- Primary/secondary zoned dehumidification options

- 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



Accurate Installation

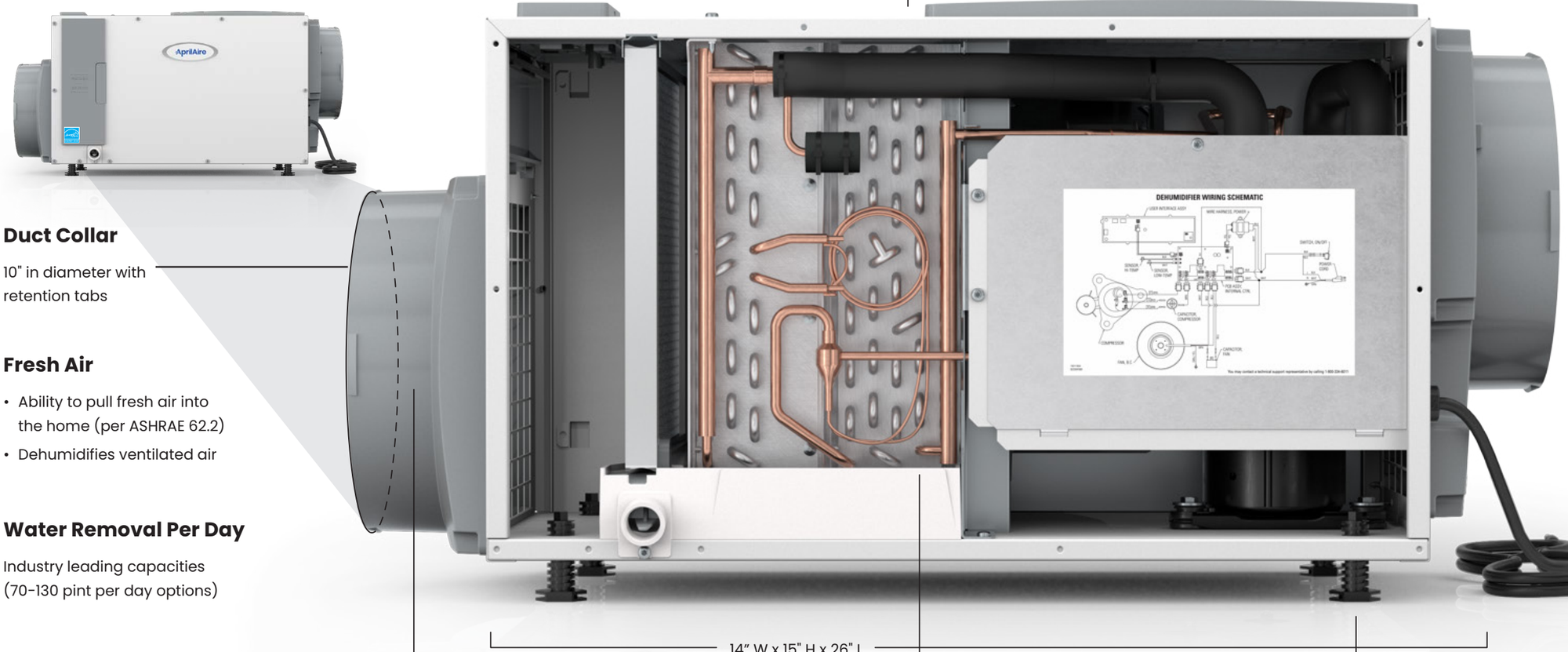
Bubble level on top of unit for accurate installation

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
- **Energy Efficient** Models E080, E100, and E130 are recognized as ENERGY STAR® Most Efficient 2024.

Most Efficient 2024
ENERGY STAR www.energystar.gov

*Models E080, E100, and E130



Duct Collar

10" in diameter with retention tabs

Fresh Air

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

Water Removal Per Day

Industry leading capacities (70-130 pint per day options)

14" W x 15" H x 26" L

Model E100 Shown

Small Cabinet, Larger Capacity

The Models E080 and E100 have expanded capacities with a reduced cabinet size that fits into crawl spaces, scuttle openings and HVAC closets

Power Options

Plug the unit directly into an outlet or hardwired options available

Whisper Quiet

Air flow managed to minimize noise while maximizing efficiency

Simple Draining

Patented backflow insert forces water out of the drain, removing the need for a P-trap

Corrosion Defense

Aluminum coils for complete corrosion defense

Adjustable Feet

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

APRILAIRE DEHUMIDIFIERS	MODEL NO.	UNIT SIZE[2] WIDTH X HEIGHT X DEPTH	CAPACITY PPD = PINTS PER DAY	UNIT WEIGHT LBS.
	E070	12½" x 12½" x 25"	70 ppd	56
	E080 E080H[1]	14" x 15" x 26"	80 ppd Most Efficient 2024	63
	E100 E100H[1] E100C[2]	14" x 15" x 26"	100 ppd Most Efficient 2024	64
	E130 E130H[1] E130C[2]	19½" x 18¾" x 30"	130 ppd Most Efficient 2024	98

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5 YEAR WARRANTY

[1]E080H, E100H, and E130H are hardwired units [2]E100C and E130C are on casters

DEHUMIDIFIER SIZING GUIDELINES



The recommended home floor area (ft²) that each listed dehumidifier can dehumidify is to be used as sizing guidelines only. 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. Values are for the most humid locations within each region.

Provide on-demand sizing recommendations using the Dehumidifier Selection Assistant at AprilAirepartners.com/dsa

	MODEL E070		MODEL E080		MODEL E100		MODEL E130	
	Loose	Tight	Loose	Tight	Loose	Tight	Loose	Tight
Region A	2600 Ft²	3500 Ft²	3200 Ft²	4400 Ft²	4000 Ft²	5500 Ft²	5200 Ft²	7200 Ft²
Region B	2200 Ft²	3100 Ft²	2600 Ft²	3900 Ft²	3200 Ft²	5000 Ft²	3900 Ft²	6500 Ft²
Region C	1300 Ft²	1900 Ft²	1600 Ft²	2300 Ft²	2000 Ft²	3000 Ft²	2300 Ft²	3600 Ft²

Optional Accessories



Model 5822 Hanging Kit
- Weight: 3 lbs.
- Supports up to 200 lbs.



Model 4856 Condensate Pump
- 22 ft. lift
- Low profile
- 120 V



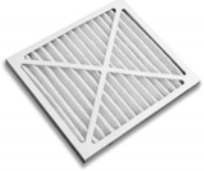
Model 5958 Condensate Pump Bracket
- Intuitive rail system
- No additional screws
- Threaded drain elbow



Model 5546 Living Space Duct Kit



Model 5879 Dehumidifier Riser Kit



MERV 11 Available Filters
- 5946 (Model E070)
- 5947 (Models E080, E100)
- 70000010 (Model E130)



Model 76 Dehumidifier Control
- On/Off buttons
- Wall-mounted living space control
- As an "External Control" it displays RH and controls to an RH value for basements
- As a "Remote Control" it displays RH and controls to dew point for crawl spaces

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