

AIRMOP® III

Basement and Crawl Space
Dry Air Technology



AirMop® III Full Sized

MERV-8 Filtration Air Cleaning Capacity

AirMop® III
DEHUMIDIFICATION and DRY AIR TECHNOLOGY SYSTEM



**1-800-Busy Dog
Basement
Technologies**
The Basement Specialists™
Basement Waterproofing

1-800 Busy Dog® Basement Technologies new and improved line of high capacity, energy-efficient, free-standing dehumidifiers are designed to provide the ultimate in humidity control for basements, crawl spaces and living spaces.

*No more buckets to empty!
Just set it and forget it!*



AirMop® III Compact

For smaller basements & crawlspaces

MERV-8 Filtration Air Cleaning Capacity

AirMop® III
COMPACT
DEHUMIDIFICATION and DRY AIR TECHNOLOGY SYSTEM

Top Performance Dehumidifiers

www.1800busydog.com®



CONSEQUENCES OF HIGH HUMIDITY IN BASEMENTS AND CRAWL SPACES

- Wet basements and crawl spaces contribute to the cupping of wood floors and the deterioration of floor joists, beams, sub-flooring, insulation, and electrical-mechanical systems.
- Excess moisture encourages mold growth on wood and on any other organic material in a basement or crawl space.
- Basements and crawl spaces are a major source of air infiltration that permeates up into the living area, transmitting odors, carrying moisture, and creating an environment conducive to molds and dust mite infestation.

LARGE CAPACITY DEHUMIDIFICATION

The cooler temperatures in crawl spaces (and basements) create unique humidity control challenges for homeowners.

The earth under the soil in a basement or crawl space remains at a near constant temperature of 50-60°F year round. The ground keeps the surface soil in basement or crawl space cool. These cool surface temperatures create micro-environments where the relative humidity of the air approaches its saturation point (100% RH) and condensation (or sweating) can occur. The conditions that result support mold/microbial growth and cause musty odors.

Often the only way to maintain the EPA's recommended humidity levels for homes is 50% RH or less year round is with the addition of a high capacity, high efficiency dehumidifier.

Capacities for residential dehumidifiers are measured in pints of water removed per day at

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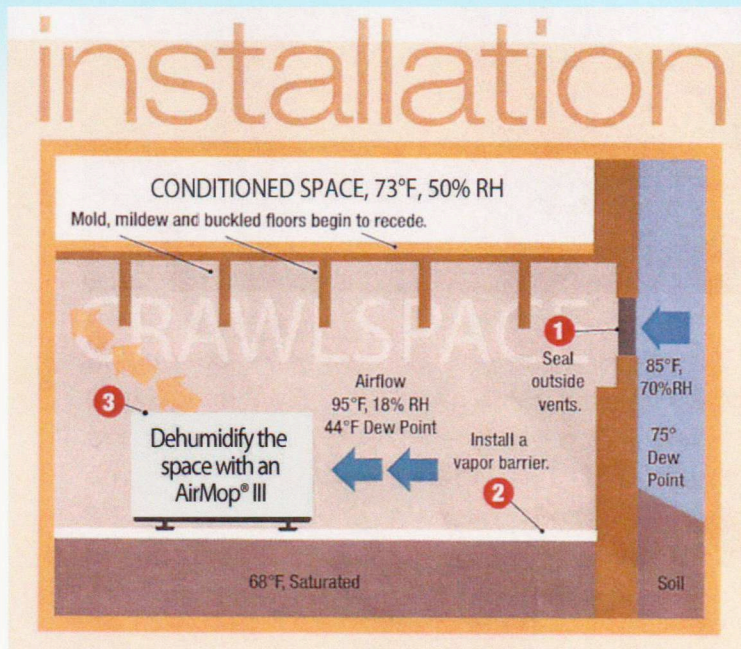
AirMop® III Full Sized

standard conditions. Standard conditions are determined by the American Home/Appliance Manufacturers (AHAM) and are used because capacity will vary under different conditions. AHAM standard rating conditions are 80°F and 60% RH. The capacity of the Air Mop® III is 90 pints per day. Most standard residential units range from 20 to 65 pints of water removal per day. However, most basements and crawl spaces are cooler than 80°F and therefore the water removal capacity of the standard residential unit will be diminished significantly.

A large capacity dehumidifier is necessary to ensure that enough moisture is removed at the real world temperature of your basement or crawl space to prevent mold, mildew and bacterial growth. The Air Mop® III is a large-capacity dehumidifier designed for these cooler applications.

Just set it and forget it.

FREE STANDING INSTALLATION



Ventilation of a basement or crawl space to control relative humidity only works consistently in an arid climate. In most climates, ventilation can add significant quantities of moisture during humid times.

Depending on the outside weather, as much as 375 pounds of water per day can infiltrate a basement or crawl space through powered ventilation.

Proactive dehumidification of a sealed basement or crawl space is the only way to ensure desired humidity levels are present.

- 1 Seal all outside vents and windows to eliminate outside air, which also reduces heating/ cooling loads and uncontrolled moisture intake.
- 2 Install vapor barriers over exposed earth in a crawl space.
- 3 Condition basement and crawl space air with an Air Mop® III to provide humidity control regardless of the outside conditions.

AIRMOP® III FULL SIZED PERFORMANCE AND TECHNICAL SPECS

Part Number:	4034180
Blower:	309 CFM @ 0.0" WG
Power:	640 watts @ 80°F and 60% RH
Supply Voltage:	115 volt - 1 phase - 60 Hz
Current Draw:	5.7 amps
Energy Factor:	3.0 L/kWh
Operating Temp.:	49°F Min., 95°F Max.
Sized for:	2200 - 3000 Sq. Ft. – Typical
Performance at 80°F and 60% RH	
Water Removal:	90 Pints/Day
Efficiency:	6.4 Pints/kWh
Air Filter:	MERV-8
Size:	14" x 17.5" x 2"
Power Cord:	10', 110-120 VAC, Ground
Drain Connection:	3/4" Threaded NPT or 5/8" hose barb

Dimensions	Unit	Shipping
Width:	14.5"	19"
Height:	19.4"	25"
Depth:	26"	35"
Weight:	80 lbs	90 lbs



**ONLY
55 LBS!**

AirMop® III Compact

- **Low Temperature Operation** - The Air Mop® III Compact was engineered for crawl spaces, and the temperature and air flow issues that they present. When many conventional dehumidifiers have stopped removing water from the air, the Air Mop® III Compact keeps on protecting you and your home.
- **Superior Air Filtration** - MERV-8 filtration is standard on the Air Mop® III Compact. This superior level of air filtration also keeps the Air Mop® III Compact working at peak efficiency for longer than other devices with cheaper designs.
- **Auto Restart** - Air Mop® III dehumidifiers will automatically restart at the original setting after a power outage.
- **Optional Equipment** - Engineer designed remote ducting kits, hang kits, caster kits and condensate pumps for use with the Air Mop® III Compact. These optional kits provide the ultimate in flexibility for your specific installation requirements.

AIRMOP® III COMPACT PERFORMANCE AND TECHNICAL SPECS

Part Number:	4033600	
Blower:	150 CFM @ 0.0" WG	
Power:	580 watts @ 80°F and 60% RH	
Supply Voltage:	115 volt - 1 phase - 60 Hz	
Current Draw:	5.1 amps	
Operating Temp.:	49°F Min., 95°F Max.	
Sized for:	1800 Sq. Ft. - Typical	
Minimum Performance at 80°F and 60% RH		
Water Removal:	70 Pints/Day	
Efficiency:	5.0 Pints/kWh	
Energy Factor:	2.4 L/kWh	
Air Filter:	MERV-8	
Size:	9" x 11" x 1"	
Efficiency:	Standard 35% Efficient, ASHRAE Dust Spot Test	
Power Cord:	9', 110-120 VAC, Ground	
Drain Connection:	3/4" Threaded NPT	
Drain Hose:	5/8" ID x 8'	
Dimensions	Unit	Shipping
Width:	12"	15"
Height:	12"	17"
Length:	21"	25"
Weight:	55 lbs	65 lbs

"APPLICATION SPECIFIC" DESIGN

The Air Mop® III Compact was specifically designed for crawl spaces. At 12" tall and 12" wide, the Air Mop® III Compact can fit where no other dehumidifier can. Innovative features such as integrated vertical or horizontal exhaust outlets offer flexibility even in exceptionally tight spaces, while the optional condensate pump, hang kit, and duct kits facilitate installation in the most challenging applications. No conventional dehumidifier can perform as efficiently and effectively in crawl spaces as the Air Mop® III Compact.

- **High Efficiency** - Exceeds ENERGY STAR® efficiency requirements.
- **Large Capacity** - The high capacity Air Mop® III Compact provides 70 pints per day of water removal at standard rating conditions*. Medium-sized crawl spaces (up to 1600 sq. ft.) are no problem for the Air Mop® III Compact.

ISSUES: MOLD AND HEALTH CONCERNS



MOLD: Basements are an ideal place for mold spores which thrive in moist damp areas such as a basement. Keeping humidity to a minimum has proven to reduce mold growth.

HEALTH CONCERNS: Allergens and mold spores are a major concern. Fecal matter from dust mites is a high source of allergies generated

from high humidity areas. Dust mites get their water from the humid air. When we contain the humidity, we also contain dust mites reducing allergens in the air.

Your home environment is only as healthy as your basement environment. They go hand in hand. Using the Air Mop® III products in the basement will help your upstairs environment be healthier.



Magnified photo of dust mite.

The Air Mop® III is designed to keep relative humidity close to 50%.

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