

SPECIFICATIONS

Capacity⁽¹⁾	@ 80°F/60% RH @ 73°F/60% RH	100 ppd 85 ppd
Energy Factor⁽¹⁾	@ 80°F/60% RH @ 73°F/60% RH	2.6 L/kW-h 2.35 L/kW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)	0.0" w.c. 0.2" w.c. 0.4" w.c.	280 CFM 245 CFM 210 CFM
Voltage, phase, frequency	120VAC, 1 phase, 60Hz	
Current draw⁽¹⁾	6.7 Amps	
Noise	55 dBA ducted 60 dBA unducted	
Dimensions⁽²⁾	Width: 14.0" Height: 15.0" Length: 26.0"	
Unit Weight Shipping Weight	64 lbs. 82 lbs.	
Cabinet insulation	½" EPS	
Air discharge orientation	Top or end	
Inlet/Outlet duct collars	10" diameter	
Refrigerant	R32	
Coil type	Corrosion-resistant aluminum	
Discharge air temperature rise	10°F–30°F	
Drain connection⁽⁴⁾	¾" MNPT Threaded	
Inlet air operating conditions during -Dehumidification:	50°F – 104°F, 40°F dew point min.	
-Ventilation:	40°F – 140°F, 0% – 99%RH (non-condensing)	

⁽¹⁾Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60%RH inlet air at 0.0 ESP. ⁽²⁾Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

FEATURES

Control⁽³⁾	Built-in digital control display
Control mounting option	Front mount only
Backdraft damper	No
Washable Filter	MERV 8 (Part Number 5881)
8' Power cord	3 Prong Plug type
Hardwire option	No
Included drain tubing	10' length
Warranty	5 Years

⁽³⁾Built-in automatic control capable to be set up for dehumidification and ventilation or zoning.

⁽⁴⁾Adapters for threaded connection for plastic hose included.

► PRINCIPLE OF OPERATION

The Moisture Medic[®] HC-90 Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point 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.

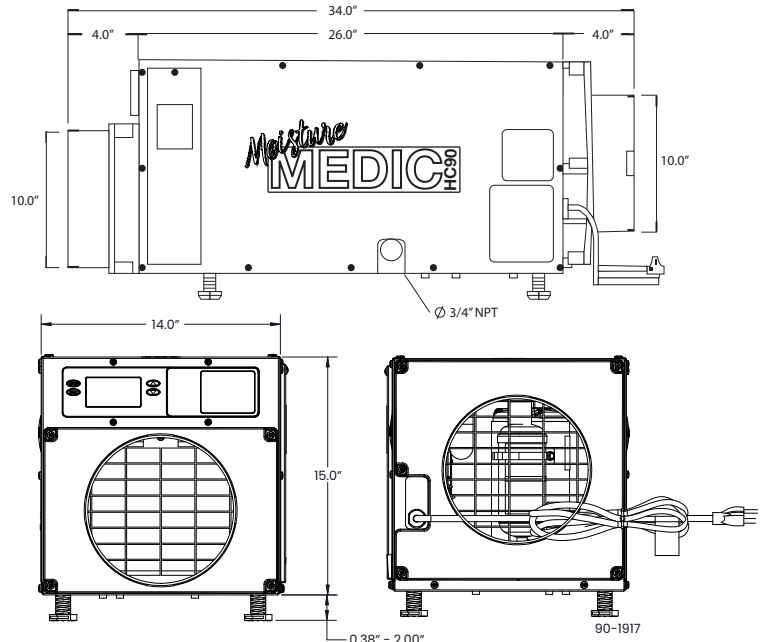
Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

► APPLICATION

The Moisture Medic[®] HC-90 is perfect for a wide range of applications including whole-home dehumidification and control of moisture in basements and crawl spaces.

► VENTILATION AND CIRCULATION

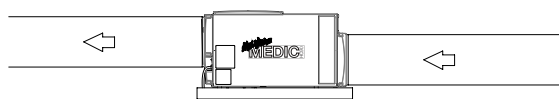
The HC-90 has the ability to bring in fresh air and circulate air in the dehumidified space. Fresh air will dilute stale air and pollutants and can reduce humidity in the winter months. Circulating the air will even out the temperature and relative humidity in the space eliminating variations in the environment. The HC-90 has built-in controls to adjust the amount of fresh air ventilation and the amount of air circulation.



APPLICATIONS

Inlet and Outlet ducted

- Ducted with 8" flex duct or hard pipe
- Circulates air to equalize relative humidity and temperature



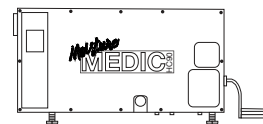
Inlet and Outlet ducted to dedicated grilles

- Dries a specific area that has a moisture issue (crawl space, basement, CEA, etc.)
- Dehumidifier can be located in the closet, mechanical room or unfinished area and ducted into the space requiring dehumidification
- Grill and duct kit available - Model #5546



Freestanding

- Air is pulled into the dehumidifier directly from the space, dehumidified, and returned back to the space



OPTIONAL CONTROLLERS AND THERMOSTATS



MODEL S86WMUPR WIFI CONTROLLER

- Real language setup
- Capacitive touch interface
- Programmable & Non-Programmable
- Dual fuel capable
- Air Filter and HVAC Service Reminders
- Geofencing capabilities



MODEL 76 WALL MOUNT DEHUMIDIFIER CONTROL

- On/Off Buttons
- Wall mounted living space control
- Displays relative humidity
- Controls to an relative humidity value
- Remote control for crawl space applications and sealed attics

OPTIONAL ACCESSORIES



Z100DT OUTDOOR SENSOR

- Enable automatic humidification
- Enable ventilation lockouts
- Display outdoor temperature on thermostat
- Easy to install
- Wirelessly connects to the S86WMUPR



Z101DT INDOOR SENSOR

- Enable automatic humidification
- Enable ventilation lockouts
- Display outdoor temperature on thermostat
- Easy to install
- Wirelessly connects to the S86WMUPR

DEHUMIDIFIER RISERS

- 5" and 3" Risers
- Best for level ground



5822 HANGING KIT

- Simple pulley system installation
- Supports up to 200 lbs



MOISTURE MEDIC® FAN-PAK™

This Fan Pak™ is used with our Moisture Medic® dehumidifiers to increase air flow in the crawl space, which makes the crawl space dehumidifier far more efficient and productive. The Fan Pak™ will allow the Moisture Medic® to dehumidify more area, by up to 50% more. More air flow means more dehumidifying, longer run cycles and a more efficient dehumidifier. Longer run cycles allow the dehumidifier to get to temperature and stay there while the Fan Pak™ continues to move the moist air toward the Moisture Medic®.



Includes: 18 gauge wire - 100ft, 2 circulation fans, 1 transformer, spare fan connectors, 4 quick clip wire connectors and instructions.