

**IW-25-3****25 PPD**

# IW-25 In Wall DEHUMIDIFIER

## PERFORMANCE

Capacity	up to 27 PPD
Coefficient of Performance	
(Amount of water extracted per KW of electricity)	2.20 L/kWh
Efficiency	4.65 Pints/kWh
Noise	Approximately 46 dB
Spaced For (Floor Area)	1,500 square feet
Defrosting Control System	Electrical
Functioning Temperature Range	50-90°F
Controls	Digital humidistat control internally mounted behind tamper-proof cover

## PRODUCT

Part Number	IW25-3
Warranty (see manual)	2 Year Limited Warranty on Parts

## CERTIFICATIONS

Home Innovation NGBS Green Certified for Indoor Environmental Quality  
 AIA National Conference Most Innovative Product Award 2014  
 American Institute of Architects: People's Choice National Award Winner 2014

Specifications subject to change without notice

## ELECTRICAL

Volt Frequency	120 V / 60 Hz
Current Draw	2.5 Amps
Power Consumption	240 Watts @ 80°F/ 60% RH

## DIMENSIONS L x W x H

Product*	14.2" x 8.625" x 25.25"
	*excludes drain fitting and hose

Grill Cover	17.2" x .5" x 27.2"
Rough Opening (Installation)	14.5" x 9.75" x 25.5"
Weight	36 lbs
Shipping Weight	52 lbs

## MATERIALS

Drain Connection	3/4" Hose
Air Filter	Washable
Refrigerant R134A	190G



## Break the Mold

With easy operation and minimal maintenance the IW-25 in-wall dehumidifier makes controlling the moisture in your property easier and better than ever. Developed in 2012 to meet the building industry's growing demand for appropriate humidity solution. The IW-25 is energy efficient and manufactured with special attention to safety and reliability.

\*\*Call for factory direct pricing

## IW-25 Benefits

Is the first in-wall dehumidifier and is available factory direct.

Energy consumption – less heat and less energy causes you to save on your electric bills.

Dimensions are short enough to install the IW25 unit directly under a typical wall HVAC.

It is quiet. Runs at approximately 46 dBA.

20-25 pints is all you need. More day draw is unnecessary and uses more energy consumption.

Large drip pan can accommodate condensation.

Installs in the wall between existing studs.

Can easily be installed in 60 min.

Gravity drains into existing plumbing.

Tamper-proof cover gives control to property manager

## Easy Operation

### Operating Instructions

1. On/ Off Control  ON/OFF  
 Plug the unit in to see current room relative humidity. Press on/off button and machine will beep twice indicating it is ready for automatic service.
2. Setting the Humidity Level  
 Press the  SET button to set indoor humidity. Display will shift from actual room humidity to current set point.



## Minimal Maintenance

Scheduled and on-going maintenance is required to ensure peak operating performance.

### MONTHLY:

- Clean or change the air filter  
 Filter can be washed with warm water or vacuumed with wet/ dry vac.
- Check the relative humidity setting
- Check airways are clean and unblocked
- Check the drain hose and electrical connection

### QUARTERLY (in addition to monthly):

- Clean the condensate, pouring a solution of vinegar and water slowly and directly into the drain pan. A 5-ounce mixture (1 part vinegar and 3 parts water) is normally adequate. Commercial solutions are also available
- Check grill louvers, coil fins and humidistat. As needed, vacuum the grill or wipe with clean soapy water. Wipe the humidistat with a damp cloth. Vacuum coil fins with a shop vac or spray with a vinegar and water solution. For extremely dirty coils, spray a mild coil cleaner directly on the coils per cleaner recommendations.
- Check the fan blades for dirt build up and vacuum or wipe.

[innovativedehumidifiers.com/product-information/product-maintenance/](http://innovativedehumidifiers.com/product-information/product-maintenance/)

## Surface Mounting Box

SIZE: 26.5" x 17.25 11

A surface mount option is available for masonry CMU or installations where the unit cannot be recessed into the wall.

Location studs or wall anchors, attach the optional surface mounting box to the wall. Lean the top of the IW-25 forward and insert the bottom of the unit into the box. Simultaneously pull the bottom front of the IW25 to the front while pushing the top back. Align the cabinet flanges with the pre-drilled holes and, using sheet metal screws, secure the IW25 to the surface mounting box. Set the humidistat and install the cover.

## Simple Installation

### PRECAUTIONS

If hard-wired, IW25 should be installed and inspected by a qualified electrician and in accordance with all applicable electrical and plumbing codes. Be certain power is turned off and unplugged or the circuit breaker is off before and during installation and maintenance. Ensure the unit is connected to a wiring system with an equipment-grounding conductor.

For stairwells and hallways, ensure the installed unit provides sufficient clearance for pedestrian traffic.

### METHODS

#### In-wall Installation

Rough Opening Dimensions 14.5" x 9.75" x 25.5"

Locate wall studs at the desired location for installation. Cut a rough opening 14.5" wide by 25.5" high, ensuring a minimum depth of 9.75" in clearance for depth from the front edge of the wall to the rear of the dehumidifier cabinet.

Ensure the opening is square, plumb and supports the bottom of the unit. Install four screws (in mounting flanges) directly through the sheetrock and into the 2 x 4 wall studs.

Securely insert the drain hose into the hub drain. Following a continuous downward slope, fasten the hose securely to the wall. Verify no crimps exist in the drain hose – inside or outside the unit. Plug the dehumidifier into a properly grounded GFI receptacle.

Set the dehumidifier to the desired humidistat setting and turn on the dehumidifier. Install the grill cover using the provided tamper-resistant screws. **DO NOT OVER-TIGHTEN SCREWS.**

- Ensure the unit is securely supported by sheet rock or framing
- Make sure the drain hose is kink-free and has a continuous downward slope below the drain port outside the unit
- Test each unit by slowly pouring water into drain pan

Ensure installation complies with the requirements of all applicable local, state and federal code jurisdiction

### Mounting

- Designed to mount into wall cavity between two studs. Ensure the bottom of unit is properly supported before screwing into drywall.
- Surface mount option is available for masonry CMU or installations where the unit cannot be recessed into the wall.

### Plumbing\*\*\*

- Secure the 10' drain line to drain hose connection on rear of unit, entire length of drain line must be downhill. (Condensate pump optional)

### Electrical\*\*\*

- Use 10' power cord for standard grounded outlet. (Hard wiring unit optional)

\*\*\*All state and national plumbing/electrical codes must be adhered to for proper unit operation and warranty compliance.

For additional details or assistance, see Operations Manual and/ or contact Innovative Dehumidifier Systems LLC .

