

Model 86UD



Under Duct Drum Humidifier Great for Heat Pumps and High-Efficiency Heating Systems



Installation Package includes a Skuttle manual humidistat, self-piercing saddle valve, 24 volt transformer, baffle, mounting hardware and installation instructions/home-owner's manual.

Important: For any system using a multi-speed blower motor, addition of an A 50 Interface Relay is recommended.

Moisture Output Capacity

Warm Air Duct Temperature °F	Pounds per Hour	Gallons per Day
120°	5.91	17.0
110°	5.46	15.7
100°	4.69	13.5

Specifications

- Dimensions (See photo, right)
- Extension into Duct..... 3-1/4"
- Extension below Duct..... 6-3/8"
- Duct Opening..... 12" x 16"
- Minimum Duct Width..... 12"
- Drum Motor 24 VAC, 3 watt, 1 RPM, bidirectional
- Evaporator Pad..... 8-3/16" OD (6-11/16" ID) x 9" wide
(Evaporator Pad Replacement No. A04-1725-050)

NOTE: Ratings and calculations are in compliance with ARI Formula 610:

- Ceiling Height 8 feet
- Bonnet Temperature 120°F
- Return Air..... 75°F, 30% RH
- Total Static Pressure 0.20 inches

Features & Benefits

- **Mountable on horizontal ducts** as small as 12" wide and 8" high
- **Easy to maintain**—unique mounting frame allows easy removal from duct for cleaning and servicing
- **Durable, corrosion-resistant thermoplastic cabinet** helps ensure long life
- **Energy efficient technology** uses minimal water and electricity
- **Environmentally safe**—scientifically proven not to contaminate household air
- **Output capacity** of 17 gallons per day at 120°F

Home/Humidifier Sizing Chart

Maximum Home Size	Tight House	Average House	Loose House
Total Sq. Ft.	4,048	2,576	1,848
Total Cu. Ft.	32,381	20,606	14,783

Tight House = Insulated walls and ceilings; vapor barriers; weather stripping on doors and windows; snug doors, windows and fireplace damper. One-half air change per hour.

Average House = Insulated walls and ceilings; vapor barriers; loose doors, windows and fireplace damper. One air change per hour.

Loose House = No insulation, storm doors, storm windows, weather stripping or vapor barriers. Two air changes per hour.

