

# 90/190/86 Drum Humidifiers

High-Capacity Drum Humidifier



Most Water-Conserving Whole-House Humidifier

## Models 90/190/86 Product Features

A Drum Humidifier's output is controlled by the humidistat, which monitors the home's relative humidity and activates or deactivates the unit accordingly. Inside the humidifier, a rotating evaporator pad (or drum) lifts water from the water pan into the air stream, which is warmed and circulated by the furnace blower.

Because Skuttle Drum Humidifiers rely on forced air, they are well suited for warm-air heating systems, including gas, gas high-efficiency, electric, heat pump, geothermal, solar and oil forced air systems.

- Perfect for homes where water conservation is important
- Models 190 and 86 are made of durable, corrosion-resistant thermoplastic cabinets.
- Model 90 is constructed of stainless steel.
- Easy to maintain – unique mounting frame allows easy removal from duct for cleaning and servicing
- Energy efficient technology uses minimal water and electricity.

Model 190



Model 90



Model 86



All models available with Flushing Timer.



[www.skuttle.com](http://www.skuttle.com) Made in the U.S.A.

## Moisture Output Capacity

Model	Lbs/Hour	Gal/Hour	Gal/Day
86 @ 120°F	5.91		18.5
86 @ 110°F	5.46		15.7
86 @ 100°F	4.69		13.5
90	5.91	0.71	17.0
190	5.91	0.71	17.0

## Model 90/190 Bypass Specifications

**90 Dimensions** . 10-15/16”H x 10-3/4”W x 11-11/16”D

**90 Plenum Opening** .....6-5/8”H x 8-1/2”W

**190 Dimensions** ..... 10-3/4”H x 10-3/4”W x 10-5/8”D

**190 Plenum Opening** .....7”H x 8-1/2”W

**Bypass Opening/Tubing** .....6” diameter

**Drum Motor** ..... 24 VAC, 3 watt, 1 RPM, bidirectional

**Evaporator Pad** ..... 8-7/16”OD [6-11/16”ID] x 7-7/8”W

**Pad Replacement**..... A04-1725-034

## Model 86 Under Duct Specifications

**Dimensions** .....6-3/8”H x 15-1/4”W x 19-1/2”D

**Extension into Duct**.....3-1/4”

**Extension below Duct** .....6-3/8”

**Duct Opening**.....12” x 16”

**Minimum Duct Width**.....12”

**Solenoid** ..... 24VAC, 3 watt, 1 RPM, bidirectional

**Evaporator Pad** ..... 8-3/16”OD [6-11/16” ID] x 9”W

**Evaporator Pad Replacement No.** .... A04-1725-050

## Home/Humidifier Sizing Range

Model	Tight House	Loose House
Square Feet	4,048	1,848
Cubic Feet	32,381	14,783

## Models 90/190 Bypass

- Unique snap-lock fittings and reversible components permit versatile installation

## Model 86 Under Duct

- Mountable on horizontal ducts as small as 12” wide and 8” high

### IMPORTANT!

For any system using a multi-speed blower

motor, addition of an **A50 Interface Relay** is recommended.



In hard water areas, the addition of a **Skuttle Flushing Timer** is recommended. The Flushing Timer helps keep the unit clean and assures that the unit contains fresh water at all times.



## Maintenance

Although Skuttle Drum units require more maintenance than other humidifier types, they are designed for easy cleaning and pad replacement by either the homeowner or servicing contractor. At a minimum, the humidifier and pad need to be cleaned at the end of every humidifying season. Mineral buildup on the pad may necessitate mid-season cleaning, as well. The humidifier and the connecting water valve must be turned OFF at the end of each heating season.



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