

Model HU-60-1455 “Classic” Gas-Fired Humidaire Unit

(Product Overview and Specifications)



When Sam introduced the first HU-60 model of the Humidaire Unit in the early 1970's, he never imagined that later versions of his classic Humidaire model would have color touch screen controls, precision air flow transducers, and integrated gas valve assemblies. Although the thermodynamics remain unchanged, the friendly controls and sensors are definitely from the 21st century.

Features of this classic Humidaire include:

Stainless steel tank, headers, nozzles, and spray chamber for long life.

5 HP water pump for robust performance. The unit can evaporate 2 US gallons of cool water every 60 seconds.

A helpful touch screen “Humidaire Speedometer” is built-in to assist new operators in setting temperatures for consistent performance in warm and cool weather.

Color touch screen controls with full compatibility with Moisture Mirror II and III for fully automatic control and easy wiring and troubleshooting.

Friendly diagnostic program for easy adjustments and fine tuning.

Real time water evaporation statistics.

Steamroller compatibility.

Compatibility with the Hot Air Mix Valve for gins that do not have independent heat available for their Steamrollers or condensers.



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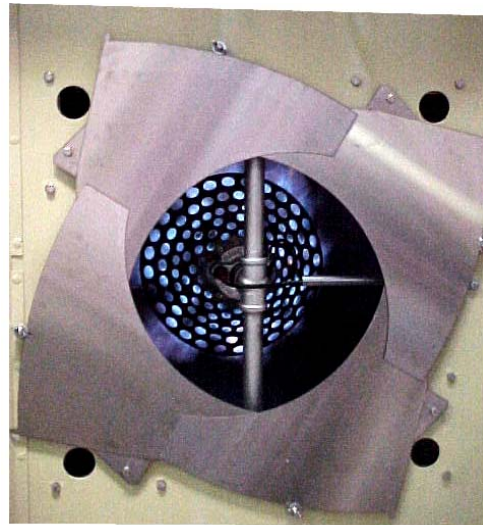
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Specifications for HU-60-1455 “Classic”

Evaporation capacity (max):	2 US gallons/minute
Evaporation capacity (typical):	1.1 US gallons/minute
Fresh water supply requirement:	5 US gallons/minute
Compressed air required:	None required
Maximum moist air CFM:	4,000 CFM
Heating efficiency:	1700 Btu/pound H ₂ O evap
Water purge rate (typical):	.5 US gallons/minute
Std Electrical power configurations:	480/60, 380/50, 415/50
Fuel requirement:	Natural gas or propane gas.
Maximum burner input:	1.5 million Btu/hr.
Recommended gas pressure to unit:	10-15 psi
Typical burner input:	800,000 Btu/hr.
Natural gas fuel consumption (max):	15 CCF/hour.
Propane fuel consumption (max):	17.8 gal/hour.
Natural gas fuel consumption (typical):	8 CCF/hour.
Propane fuel consumption (typical):	9.5 gal/hour.
Remote control compatibility:	Moisture Mirror II/III
16920 Hot Air Valve Compatible:	Yes
Access water tank during operation:	No
Water pump motor:	5 HP
Water temperature graph (real time):	Yes
Water evaporation graph (real time):	Yes
Error/Alarm history:	FIFO, 500 events, date/time
Touch Screen update utility:	EZ-Touch serial cable with loader software
Water tank/nozzles/internal piping:	Stainless steel



The local touch screen pivots inward to act as a convenient help display for the operator and technician.



Four piece shutters adjust easily to make a beautiful flame. The control system helps the operator adjust for a perfect flame when help is needed.



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