

Model HG-8-1108 Gas-Fired Drying Heater

(Product Overview and Specifications)



The 11-Series gas-fired heater models from Samuel Jackson were originally introduced in the 1980's. They quickly developed a reputation for dependability and flexibility in the ginning industry. You will still find hundreds of these in service around the globe.

As a complementary product to the 14-Series heater line, we are reintroducing the 11-Series with a few 21st century touches. You will find the original LCD diagnostic counter replaced with a much friendlier multiline LCD text display that changes color based on the severity of the warning message.

Other features include:

Guaranteed Moisture Mirror compatibility via 4-20 mA analog signals for automatic temperature control based on cotton moisture content.

Simple test program features for easy setup by non-technical users.

The ability to run at lower temperatures than many other cotton drying heaters. This can save fuel when only a small amount of warm air is required to help open cotton up for cleaning.

A flexible control package mounted in the cabinet door. A second temperature controller may be connected to the Honeywell UDC-2500 for fully cascaded control from the gin console (not included).

An intuitive single oil-tight operator offers access to all burner functions for both operation and diagnostics. A redundant operator may be wired to the gin console or PLC to offer more convenient access.



SAMUEL JACKSON, INCORPORATED

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Specifications for HG-8-1108 Gas-Fired Drying Heater

Air volume capacity (max):	28,000 CFM
Temperature Control Method:	PID, 4-20 mA, Honeywell UDC-2500
Combustion Sequencing:	PLC
Diagnostic Display:	Backlit LCD multicolor text display
Temperature control points:	One included. Cascaded control optional
Operator type:	Single oil-tight selector switch
Remote control:	Not included. May be easily wired to most existing console controls/PLC's.
Std Electrical power configurations:	Single phase 115 (specify frequency)
Fuel requirement:	Natural Gas or Propane
Maximum burner input:	8 million Btu/hr
Air flow sensing:	Diaphragm Switch, velocity pressure
Flame sensing:	Flame rod (dual)
Temperature Sensor:	Type J Thermocouple, no transmitter
Test program:	Basic functions
Automatic control compatibility:	Moisture Mirror I, II, III, IV (4-20 mA only)
Diagnostics:	Basic diagnostic messages on LCD display
SimpleShed compatibility:	No.
Programmable low fire:	No.
Error/Alarm history:	FIFO, 15 events, operating time stamp



The external control panel flips up for convenient access when the control cabinet door is open.



Dual 4-million Btu/hr gas burner heads provide 8-million Btu/hr of high air volume heating.



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