

Model 82300 “The Breeze” Oil-Fired Humidaira Unit *(Product Overview and Specifications)*



Think you can't afford the benefits of moist air in your gin? Do computerized controls not fit with your ginning philosophy? Does the concept of total simplicity in a moist air generator appeal strongly to you? The Breeze may be what you have been waiting for.

The smallest and most economical moist air generator in the Sam Jackson lineup, the Breeze outperforms several competitive units on the market that cost much more. Some of its features include:

Clean, reliable, and safe combustion in a compact burner assembly. The burner can use either kerosene or farm diesel to heat the water and air efficiently.

Manual controls. No automatic temperature regulation for either air or water eliminates all sensors except for one prewired, embedded high temperature protection sensor for unit protection. Ideal for small gins with a caring operator capable of watching over the unit and making needed manual adjustments as conditions change.

Direct fire and water interaction for dependable performance, even on hot afternoons.

A water tank that can be accessed during operation.

Stainless steel water tank, spray chamber, and burner duct for long life.

Graphical control labeling ideal for operators of all cultures and languages.



SAMUEL JACKSON, INCORPORATED

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Specifications for 82300 “The Breeze”

Evaporation capacity (max):	.9 US gallons/minute
Evaporation capacity (typical):	.7 US gallons/minute
Fresh water supply requirement:	3 US gallons/minute
Compressed air required:	None required
Maximum moist air CFM:	1,000 CFM
Heating efficiency:	1290 Btu/pound H2O evap
Water purge rate (typical):	.1 US gallons/minute
Std Electrical power configurations:	230/50 1-Phase (240/60 1-Phase available)
Fuel requirement:	Kerosene or diesel
Maximum burner input:	500,000 Btu/hr.
Typical burner input:	400,000 Btu/hr.
Fuel consumption (max):	3.8 US gal/hour.
Fuel consumption (typical):	3.1 US gal/hour.
Remote control compatibility:	None
16920 Hot Air Valve Compatible:	No
Access water tank during operation:	Yes
Water pump motor:	1 HP
Water temperature graph (real time):	No
Water evaporation graph (real time):	No
Error/Alarm history:	None
Touch Screen update utility:	Not applicable
Water tank/nozzles/piping materials:	Stainless steel



The water tank is accessible during operation by sliding back the stainless steel cover.



An efficient, compact burner heats both the water and air using diesel or kerosene.



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