

Samuel Jackson Humidaire Performance and Efficiency Comparison**

Model	Fuel Type	Max CFM	Max Burner Input	Typical Burner Input	Fuel Consumption Max	Fuel Consumption Typical	Heating Efficiency Btu/lb water	Max Evap	Typical Evap	Purge Rate Typical	Typical Power Type
Breeze	Kero*	1000	500,000	400,000	3.8 Gal/Hr	3.1 Gal/Hr	1290	.9 gal/min	.7 gal/min	.1 gal/min	230/50 1 Phase
HU-60	Kero*	4000	1.5 Mil	800,000	11.5 Gal/Hr	6.2 Gal/Hr	1400	2 gal/min	1.1 gal/min	.5 gal/min	380/50 415/50
HU-80	Kero*	4000	2 Mil	900,000	15.4 Gal/hr	6.9 Gal/Hr	1170	3 gal/min	2 gal/min	.6 gal/min	380/50 415/50
Sahara	Kero*	5000	2.5 Mil	1.5 mil	19.2 Gal/hr	11.5 Gal/Hr	1160	4 gal/min	3 gal/min	.7 gal/min	380/50 415/50
HU-60	N Gas LPG*	4000	1.5 Mil	800,000	15 CCF/hr 17.8 gal/hr	8 CCF/hr 9.5 gal/hr	1000	2 gal/min	1.1 gal/min	.5 gal/min	480/60 380/50 415/50
HU-80	N Gas LPG*	4000	2 Mil	900,000	20 CCF/hr 23.7 gal/hr	9 CCF/hr 10.7 gal/hr	900	3 gal/min	2 gal/min	.6 gal/min	480/60 380/50 415/50
HU-SW	N Gas LPG*	5000	2.5 Mil	1.5 mil	25 CCF/hr 29.7 gal/hr	15 CCF/hr 17.8 gal/hr	900	4 gal/min	3 gal/min	.7 gal/min	480/60 380/50 415/50

*Calculations for these values were performed using heating values of 84,240 Btu/US gallon for propane and 130,000 Btu/US gallon for Kerosene.

**This data covers efficiency of the moist air generator only. For total moist air system efficiency, the application apparatus efficiency must be considered.