

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 | 220/50 1Ø |
| 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 |
| Zephyr | Diesel* | 2500 | 1 Mil | 680,000 | 7.4 Gal/hr | 5.0 Gal/hr | 1230 | 1.5 gal/min | .8 gal/min | .3 gal/min | 220/50 1Ø and 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 | 1700 | 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 | 1530 | 3 gal/min | 2 gal/min | .6 gal/min | 480/60 380/50 415/50 |
| Southwest | N Gas LPG* | 5000 | 2.5 Mil | 1.5 mil | 25 CCF/hr 29.7 gal/hr | 15 CCF/hr 17.8 gal/hr | 1530 | 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, 130,000 Btu/US gallon for Kerosene and 136,310 Btu/US gallon for Diesel.

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