Model JBS3 Forced Draft Burners



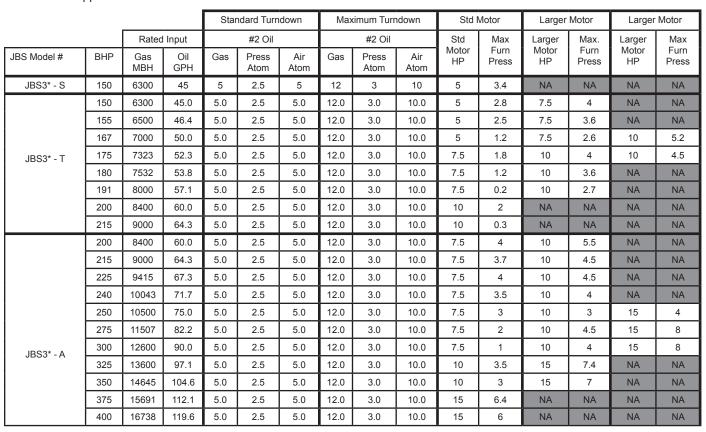
Specification & Dimensional Data (150 - 400 BHP Input) - High Turndown Forced Draft

- Turndowns to 12:1 gas, 10:1 oil
- Natural, Propane, Digester, Waste Gas or Mixed Gas Firing
- #2 #6 Oil Firing
- Pressure or Air Atomized Oil Firing
- Linkage or Parallel Positioning
- Full Modulation
- UL Listed

Sizing Details

- The JBS size can be estimated from the Boiler HP and furnace pressure below.
- Sizing is based on a max air temperature of 90° F, 60 Hz, altitude under 1000 ft.
- Contact factory for 50 Hertz applications.
- For Firetube, Watertube, Flextube and other vessel applications.

The JBS3 is available with three different combustion head sizes, an "S" (9"), "T" (10.5") and "A" (12") head. These can be used with any of the fan and motor size combinations as needed, based on furnace pressure and altitude. The chart below shows how these can be applied.



- Gas input based on HHV = 1000, 0.64 specific gravity. Gas Train requirements vary with insurance and job site conditions.

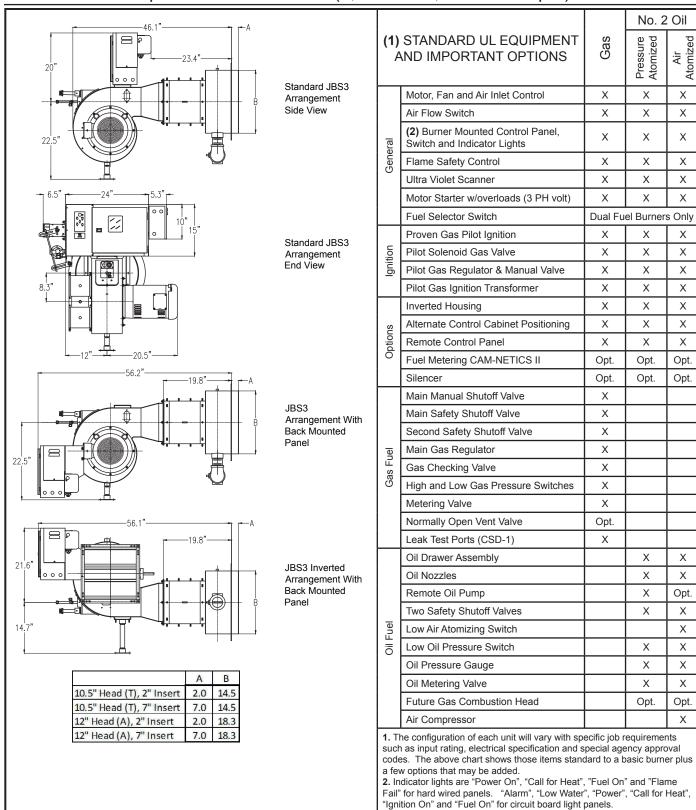
- Oil input based on #2 oil at 140,000 BTU/gal. Heavy oil rates will be lower, based on 150,000 BTU/gal.

Model Number Designation: JBS3 * - S 30

Motor HP 50=5HP, 75=7.5HP, 100=10HP

S= 9" Head, T= 10.5" Head, A=12" Head

G = Gas, O = Oil, C = Combination



Essential Ordering Information and Data:

- Power Supply Confirm 120-60-1 for control circuit and electrical supply for burner motor(s) (voltage, frequency and phase).
- Describe Boiler or Heater to be Fired Including the manufacturer, model number, furnace pressure and furnace size.
- Firing Rate Define firing rates in MBH for gas and GPH for oil.
- Fuel to be Burned Type of gas and/or oil, including the BTU value.
- Approval Agency UL, FM, IRI (GE GAP), CSD-1, NFPA, Mil spec and local codes, if applicable.
- Flame Safety Control Preferred Honeywell or Fireye controls. Gas Train Components Preferred ASCO / ITT, Honeywell or Siemens
- Required Options Mounting plate, limit controls, etc.