

BRYAN BOILERS

EB - WEB - LX
DATE: 07/15/14

Originators of the "Flexible Water Tube" design

WEBSTER LOW NO_x BASE BURNER DATA
"EB" SERIES BOILERS
SUB 30 PPM - GAS / REDUCED NO_x - 2 OIL

| BOILER MODEL | INPUT | | BASE BURNER MODEL (1) | COMBUSTION CONTROL MODEL/SCANNER (2) | IGNITION MEANS (3) | MOTOR DATA HP (4) | FIRING SYSTEM | GAS TRAIN DATA | | | OIL DATA | |
|---------------------|-------|------|-----------------------------|--|--------------------------|----------------------------|------------------|--------------------------|-----------------------------------|-------|--------------------|------------------------------|
| | MBH | GPH | | GAS, GAS/OIL | GAS & G/O | GAS & G/O | | TRAIN SIZE NPT (6) | STANDARD PRESS IN. W.C./PSI | | PUMP LOC (5) | SUC. GEAR CAP (GPH) |
| | | | | | | | | | MIN | MAX | | |
| EB-75 | 3200 | 22.8 | JB2 - ** | RM7840L/UV | GP | 2 | MODULATION | 2" | 14.0" | 1 PSI | BM | 105 |
| EB-100 | 4200 | 30.0 | JB2 - ** | RM7840L/UV | GP | 3 | MODULATION | 2" | 14.0" | 1 PSI | BM | 105 |
| EB-125 | 5250 | 37.5 | JB2 - ** | RM7840L/UV | GP | 5 | MODULATION | 2-1/2" | 14.0" | 1 PSI | BM | 135 |
| EB-150 | 6300 | 45.0 | JB3 - ** | RM7840L/UV | GP | 5 | MODULATION | 2-1/2" | 14.0" | 1 PSI | RM | 135 |
| EB-175 | 7325 | 52.3 | JB3 - ** | RM7840L/UV | GP | 7-1/2 | MODULATION | 3" | 15.0" | 1 PSI | RM | 135 |
| EB-200 | 8500 | 60.7 | JB3 - ** | RM7840L/UV | GP | 7-1/2 | MODULATION | 3" | 17.0" | 1 PSI | RM | 250 |
| EB-240 | 10000 | 72.0 | JB3 - ** | RM7840L/UV | GP | 10 | MODULATION | 3" | 2 PSI | 5 PSI | RM | 250 |

| STANDARD GAS TRAIN COMPONENTS | | |
|--|----------------|------------------|
| COMPONENT | EB-75 & EB-100 | EB-125 TO EB-240 |
| Manual Shutoff Valve (point of field connection) | STD. | STD. |
| Gas Pressure Regulator | STD. | STD. |
| Main Oper. Gas Valve - Motorized type | STD. | N/A |
| Main Oper. Gas Valve w/ PC - Motorized type | OPT. | STD. |
| Auxiliary Operating Gas Valve - Solenoid type | STD. | STD. |
| Low Gas Pressure Switch | STD. | STD. |
| High Gas Pressure Switch | STD. | STD. |
| Manual Checking Shutoff Gas Valve | STD. | STD. |

| STANDARD OIL COMPONENTS | | | |
|-----------------------------------|----------------|-----------------|------------------|
| COMPONENT | EB-75 & EB-100 | EB-125 & EB-150 | EB-175 to EB-240 |
| Dual Shutoff Valves | STD. | STD. | STD. |
| Remote Mounted Oil Pump HP rating | | 3/4 | 1 |

ABBREVIATION: (1)** Insert: "G" - Gas, "C" - Gas/Oil

(2) Comb. Control: Model -
RM7840L

Scanner - "UV" - Ultra Violet

(3) Ignition Means:

"GP" - Gas Pilot

"DS" - Direct Spark

(4) Motor Voltage: 60 HZ - Motor RPM: 3450

1/3 HP to 1/2 HP = 120/1 Ph

3/4 HP & 1 HP = 230/1 PH

1 1/2 HP & Larger = 208-240-480/3 Ph (please specify)

(5) Oil Pump Location:

"BM" - Burner Mounted

"RM" - Remote Mounted

(6) Gas Train: Main & aux. valves and leak test cock are first number. Gas reg. and main shutoff cock are second.

NOTES >>>

- Burner capacities listed for elevations up to 2,000 ft. For higher elevations, consult local Bryan Boilers sales office.
- Oil ratings based on No. 2 fuel with heating value of 140,000 Btu per gallon.
- Gas rating based on natural gas with heating value of 1000 Btu per cubic foot and specific gravity of .60. Gas burners for other gases are available, consult local Bryan Boilers sales office.



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