

BRYAN BOILERS

EB - PF - LX
DATE: 12/15/14

Originators of the "Flexible Water Tube" design

POWERFLAME LOW NO_x BASE BURNER DATA "EB" SERIES BOILERS SUB 30 PPM - GAS / REDUCED NO_x - 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		
	MBH	GPH		GAS & GAS/OIL	GAS & G/O	GAS & G/O		TRAIN SIZE NPT (6)	STANDARD PRESS IN. W.C./PSI	
									MIN	MAX
EB-75	3200	22.9	LNICR3 - **25	RM7840L/UV	GP	1-1/2	MODULATION	2" / 1-1/2"	9.0"	1 PSI
EB-100	4200	30.0	LNICR4 - **30	RM7840L/UV	GP	5	MODULATION	2"	9.0"	1 PSI
EB-125	5250	37.5	LNICR4 - **30	RM7840L/UV	GP	5	MODULATION	2"	9.0"	1 PSI
EB-150	6300	45.0	LNICR4 - **30	RM7840L/UV	GP	5	MODULATION	2" / 2-1/2"	14.0"	1 PSI
EB-175	7325	52.3	LNICR5 - **30	RM7840L/UV	GP	7-1/2	MODULATION	2" / 2-1/2"	15.0"	1 PSI
EB-200	8500	60.7	LNICR6 - **30	RM7840L/UV	GP	10	MODULATION	1-1/2"	20.0"	1 PSI
EB-240	10000	72.0	LNICM9A - **30	RM7840L/UV	GP	5	MODULATION	2"	26.0"	1 PSI

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.

ABBREVIATIONS: (1)** Insert:: "G" - Gas, "C" - Gas/Oil, "O" - 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 #.
Gas reg. and main shutoff cock are second.

NOTES >>>

1. Burner capacities listed for elevations up to 2,000 ft. For higher elevations, consult local Bryan Boilers sales office.
2. Oil ratings based on No. 2 fuel with heating value of 140,000 Btu per gallon.
3. 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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