

BRYAN BOILERS

EB - PF
DATE: 07/15/14

Originators of the "Flexible Water Tube" design

POWERFLAME BASE BURNER DATA "EB" SERIES BOILERS NATURAL GAS / No. 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, G/O, OIL *	OIL	GAS & G/O	OIL	GAS	OIL G/O		TRAIN SIZE NPT (6)	STANDARD PRESS IN. W.C./PSI		PUMP LOC (5)	SUC. GEAR CAP (GPH)
												MIN	MAX		
EB-75	3200	22.9	CR3 - **20	RM7897C/UV	RM7897A/UV	GP	DS	1-1/2	2	LO-HI-OFF	2" / 1-1/2"	9.0"	1 PSI	BM	105
EB-100	4200	30.0	CR3 - **25B	RM7897C/UV	RM7897A/UV	GP	DS	5		LO-HI-OFF	2"	9.0"	1 PSI	BM	105
EB-125	5250	37.5	CR4 - **30	RM7840L/UV	RM7840L/UV	GP	GP	5		MODULATION	2"	14.0"	1 PSI	RM	135
EB-150	6300	45.0	CR4 - **30	RM7840L/UV	RM7840L/UV	GP	GP	5		MODULATION	2" / 2-1/2"	15.0"	1 PSI	RM	135
EB-175	7325	52.3	CR5 - **30	RM7840L/UV	RM7840L/UV	GP	GP	7-1/2		MODULATION	2" / 2-1/2"	20.0"	1 PSI	RM	135
EB-200	8500	60.7	CR5 - **30	RM7840L/UV	RM7840L/UV	GP	GP	7-1/2		MODULATION	1-1/2"	1.5 PSI	5 PSI	RM	250
EB-240	10000	72.0	CR6 - **30	RM7840L/UV	RM7840L/UV	GP	GP	10		MODULATION	2"	1.5 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, "O" - Oil

(2) Comb. Control: Model -
RM7897A/C, 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.



783 N. Chili Ave., Peru, Indiana 46970
Telephone: (765) 473-6651
Fax: (765) 473-3074
E-Mail: inquiry@bryansteam.com
Internet: www.bryanboilers.com