

# BRYAN BOILERS

EB - PF  
DATE: 01/01/06  
REPLACES: NEW

Originators of the "Flexible Water Tube" design

## POWERFLAME BASE BURNER DATA FOR "EB" SERIES BOILERS NATURAL GAS

BOILER MODEL	INPUT MBH	BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)	IGNITION MEANS (3)	MOTOR DATA (5) HP	FIRING SYSTEM (4)	"UL" GAS TRAIN		
							TRAIN SIZE NPT (6) (7)	STANDARD PRESS W.C./PSI	
								MIN.	MAX.
EB-75	3200	CR3-**	RM7895C/UV	GP	1 1/2	LO-HI-OFF	2" / 1-1/2"	7.0"	14.0"
EB-100	4200	CR3-**	RM7895C/UV	GP	3	LO-HI-OFF	2"	14.0"	1 PSI
EB-125	5250	CR4-**	RM7840L/UV	GP	3	MODULATION	2"	14.0"	1 PSI
EB-150	6300	CR4-**	RM7840L/UV	GP	5	MODULATION	2" / 2-1/2"	14.0"	1 PSI
EB-175	7325	CR5-**	RM7840L/UV	GP	7 1/2	MODULATION	2" / 2-1/2"	24.0"	1 PSI
EB-200	8500	CR5-**	RM7840L/UV	GP	7 1/2	MODULATION	2" / 2-1/2"	1.5 PSI	5 PSI
EB-240	10000	CR5-**	RM7840L/UV	GP	7 1/2	MODULATION	2" / 2-1/2"	1.5 PSI	5 PSI



### STANDARD GAS TRAIN COMPONENTS

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

#### ABBREVIATIONS:

(1)\*\* Insert: "G" = Gas

(2) Combustion Control:

Model - RM7895C

Model - RM7840L

Scanner- "UV" - Ultra Violet

(3) Ignition means: "GP" - Gas Pilot

(4) Modulation includes "Cam Linkage"

(5) Motor Voltage: 60 Hz - Motor RPM: 3450 RPM  
208-240-480/3 Ph (please specify)

(6) Gas Train:

Main and auxiliary valves and leak test cock are first number. Gas reg. and main shutoff cock are second.

(7) EB200 and EB240: Gas train provided will be integrated valve type where the components are directly bolted together.

#### NOTES >>>

1. Burner capacities listed for elevations up to 2,000 ft. For higher elevations, consult local Bryan Boilers sales office.
2. 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: bryanboilers@iquest.net  
Internet: www.bryanboilers.com