

BRYAN BOILERS

EB - GP
DATE: 01/01/06
REPLACES: 10/01/02

Originators of the "Flexible Water Tube" design

**GORDON-PIATT BASE BURNER DATA
FOR "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 (5)	FIRING SYSTEM (4)	"UL" GAS TRAIN			OIL DATA	
										TRAIN SIZE NPT (7)	STANDARD PRESS IN. W.C./PSI		PUMP LOC (6)	SUC. GEAR CAP (GPH)
	MBH	GPH		GAS & GAS / OIL	OIL	GAS & G/O	OIL				HP	MIN		
EB-75	3200	--	R10.1 **	RM7895C/UV	RM7896C/UV	GP	DS	3	LO-HI-OFF	2 1/2"	7.0"	14.0"	BM	73
EB-75	3200	22.9	R10.1 **	RM7896C/UV	RM7896C/UV	GP	DS	3	LO-HI-OFF	2 1/2"	7.0"	14.0"	BM	73
EB-100	4200	--	R10.2**	RM7895C/UV	RM7896C/UV	GP	DS	5	LO-HI-OFF	2 1/2"	14.0"	1 PSI	BM	104
EB-100	4200	30.0	R10.2**	RM7896C/UV	RM7896C/UV	GP	DS	5	LO-HI-OFF	2 1/2"	14.0"	1 PSI	BM	104
EB-125	5250	37.5	R10.2**	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	2 1/2"	14.0"	1 PSI	RM	135
EB-150	6300	45.0	R10.2**	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	2 1/2"	14.0"	1 PSI	RM	190
EB-175	7325	52.3	S12.1 **	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	2 1/2"	24.0"	1 PSI	RM	190
EB-200	8500	60.7	S14.0 **	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	1 1/2"	1.5 PSI	5 PSI	RM	190
EB-240	10000	71.4	S14.0**	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	2 1/2"	1.5 PSI	5 PSI	RM	190



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.
STANDARD OIL COMPONENTS		
COMPONENT	EB75 & EB100	EB125 TO EB240
Dual Shutoff Valves	STD.	STD.
Remote Mounted Oil Pump HP Rating	 	1-1/2

ABBREVIATIONS:

- (1)** Insert: "G" = Gas
"G/O" = Gas / Oil
"O" = Oil
- (2) Combustion Control:
Model - RM7895C
Model - RM7896C
Model - RM7840L
Scanner "UV" - Ultra Violet
- (3) Ignition means: "GP" - Gas Pilot
"DS" - Direct Spark

- (4) Modulation includes "Cam Linkage"
- (5) Motor Voltage: 60 Hz - Motor RPM: 3450 RPM
208-240-480/3 Ph (please specify)
- (6) Oil Pump Location:
"BM" - Burner Mounted
"RM" - Remote Mounted
- (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. 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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