

# BRYAN BOILERS

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

Originators of the "Flexible Water Tube" design

## GORDON-PIATT BASE BURNER DATA "CLM" SERIES BOILERS NATURAL GAS / No. 2 OIL

BOILER MODEL	INPUT		BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)		IGNITION MEANS (3)		MOTOR DATA (4) HP	FIRING SYSTEM GAS	"UL" GAS TRAIN			OIL DATA	
	MBH	GPH		GAS & GAS / OIL	OIL	GAS & G/O	OIL			TRAIN SIZE NPT	STANDARD PRESS IN. W.C./PSI		PUMP LOC (5)	SUC. GEAR CAP (GPH)
											MIN	MAX		
CLM 120	1200	8.6	R8.0**	RM7895C/UV	R8184G/CC	GP	DS	1/2	ON-OFF	1-1/4"	7.0"	14.0"	BM	66
CLM 150	1500	10.7	R8.0**	RM7895C/UV	R8184G/CC	GP	DS	1/2	ON-OFF	1-1/2"	7.0"	14.0"	BM	66
CLM180	1800	12.9	R8.1**	RM7895C/UV	RM7895A/UV	GP	DS	3/4	ON-OFF	1-1/2"	7.0"	14.0"	BM	66
CLM 210	2100	15.0	R8.2**	RM7895C/UV	RM7895A/UV	GP	DS	1	ON-OFF	2"	7.0"	14.0"	BM	73
CLM 240	2400	17.1	R8.3**	RM7895C/UV	RM7895A/UV	GP	DS	1-1/2	LO-HI-OFF	2"	7.0"	1 PSI	BM	73
CLM 270	2700	19.3	R10.9**	RM7895C/UV	RM7895A/UV	GP	DS	1	LO-HI-OFF	2"	7.0"	1 PSI	BM	73
CLM 300 (G)	3000	<del>X</del>	R10.9**	RM7895C/UV	<del>X</del>	GP	<del>X</del>	1-1/2	LO-HI-OFF	2-1/2"	7.0"	1 PSI	<del>X</del>	<del>X</del>
CLM 300 (G/O-O)	3000	21.4	R10.9**	RM7896C/UV	RM7896C/UV	GP	DS	1-1/2	LO-HI-OFF	2-1/2"	7.0"	1 PSI	BM	73

### STANDARD GAS TRAIN COMPONENTS

COMPONENT	CLM 120 to 180	CLM 210 & 240	CLM 270 & 300
Manual Shutoff Valve (point of field connection)	STD.	STD.	STD.
Gas Pressure Regulator	STD.	STD.	STD.
Main Oper. Gas Valve - Diaphragm type	STD.	N/A	N/A
Main Oper. Gas Valve - Motorized type	OPT.	STD.	STD.
Auxiliary Oper. Gas Valve - Solenoid type	STD.	STD.	STD.
Low Gas Pressure Switch	OPT.	OPT.	STD.
High Gas Pressure Switch	OPT.	OPT.	STD.
Manual Checking Shutoff Gas Valve	STD.	STD.	STD.

### STANDARD OIL COMPONENTS

Dual Shutoff valves	STD.	STD.	STD.
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#### ABBREVIATIONS:

(1)\*\* Insert: "G" - Gas, "G/O" - Gas/Oil,  
"O" = Oil

(2) Combustion Control:

Model - R8184G  
Model - RM7895A  
Model - RM7895C  
Model - RM7896C

Scanner - "UV" = Ultra Violet  
"CC" = Cad Cell

(3) Ignition means:

"GP" - Gas Pilot  
"DS" - Direct Spark

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

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

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

(5) Oil Pump Location:

"BM" - Burner Mounted  
"RM" - Remote Mounted



#### NOTES

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- 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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