

BRYAN BOILERS

CLM - PF
DATE: 07/15/14

Originators of the "Flexible Water Tube" design

POWERFLAME "CR" BASE BURNER DATA "CLM" SERIES BOILERS

BOILER MODEL	INPUT		BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)		IGNITION MEANS (3)		MOTOR DATA HP (5)		FIRING SYSTEM	GAS TRAIN DATA			OIL DATA	
	MBH	GPH		GAS & GAS / OIL	OIL	GAS & G/O	OIL	GAS	OIL & G/O		TRAIN SIZE NPT (4)	STANDARD PRESS IN. W.C./PSI		PUMP LOC (6)	SUC. GEAR CAP (GPH)
												MIN	MAX		
CLM120	1200	8.6	CR1 - ** -12	RM7897C/UV	R7184P/CC	GP	DS	1/3	1/2	ON - OFF	1" / 1-1/4"	7.0"	14.0"	BM	35
CLM150	1500	10.7	CR2 - ** -15	RM7897C/UV	R7184P/CC	GP	DS	1/2	3/4	ON - OFF	1-1/4" / 1"	7.0"	14.0"	BM	35
CLM180	1800	12.9	CR2 - ** -15	RM7897C/UV	RM7897A/UV	GP	DS	1/2	3/4	ON - OFF	1-1/4"	6.0"	14.0"	BM	35
CLM210	2100	15.0	CR2 - ** -15	RM7897C/UV	RM7897A/UV	GP	DS	1/2	3/4	ON - OFF	1-1/2" / 1-1/4"	7.0"	14.0"	BM	35
CLM240	2400	17.1	CR2 - ** -20A	RM7897C/UV	RM7897A/UV	GP	DS	3/4	1 / 1-1/2	LO-HI-OFF	2" / 1-1/2"	6.0"	1 PSI	BM	42
CLM270	2700	19.3	CR2 - ** -20B	RM7897C/UV	RM7897A/UV	GP	DS	1	1-1/2	LO-HI-OFF	2" / 1-1/2"	6.0"	1 PSI	BM	42
CLM300	3000	21.4	CR2 - ** -20B	RM7897C/UV	RM7897A/UV	GP	DS	1	1-1/2	LO-HI-OFF	2" / 1-1/2"	7.0"	1 PSI	BM	42

STANDARD GAS TRAIN COMPONENTS

COMPONENT	CLM 120 TO 240	CLM 270 & 300
Manual Shutoff Valve (point of field connection)	STD.	STD.
Gas Pressure Regulator	STD.	STD.
Main Operating Gas Valve - Diaphragm type	N/A	N/A
Main Operating Gas Valve - Motorized type	STD.	STD.
Auxiliary Operating Gas Valve - Solenoid type	STD.	STD.
Low Gas Pressure Switch	OPT.	STD.
High Gas Pressure Switch	OPT.	STD.
Manual Checking Shutoff Gas Valve	STD.	STD.
STANDARD OIL COMPONENTS		
Dual Shutoff Valves	STD.	STD.

ABBREVIATIONS:

- (1) ** = Insert: "G" - Gas, "G/O" - Gas/Oil, "O" - Oil
 (2) Comb. Control: /UV or /CC
 Scanner: "UV" - Ultra Violet, "CC" - Cad Cell
 (3) Ignition Means: "GP" - Gas Pilot or "DS" - Direct Spark
 (4) Dual size gas trains: Main and aux gas valve and leak test cock are indicated by first number. Gas reg. and main shutoff are indicated by second number.

(5) Motor Voltage: 60 Hz

- 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)

(6) Oil Pump Location: "BM" - Burner 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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