

# BRYAN BOILERS

CLM - WHPT  
DATE: 01/01/06  
REPLACES: 12/01/03

Originators of the "Flexible Water Tube" design

## WEISHAAPT 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 (5)	"UL" GAS TRAIN			OIL DATA	
	MBH	GPH						GAS, G/O, OIL	TRAIN SIZE NPT	STANDARD PRESS IN. W.C./PSI		PUMP LOC (6)
				MIN						MAX		
CLM 120	NOT APPLICABLE											
CLM 150	NOT APPLICABLE											
CLM 180	1800	12.9	Z3 - **	RM7840L/UV***	DS	1	LHLO	1-1/2"	7.0"	14.0"	BM	44
CLM 210	2100	15.0	Z3 - **	RM7840L/UV***	DS	1	LHLO	1-1/2"	7.0"	14.0"	BM	44
CLM 240	2400	17.1	Z3 - **	RM7840L/UV***	DS	1	LHLO	1"	7.0"	1 PSI	BM	44
CLM 270 (L)	2700	19.3	Z3 - L	RM7840L/UV***	DS	1	LHLO	<del>1-1/2"</del>	<del>7.0"</del>	<del>14.0"</del>	BM	44
CLM 270 (G, GL)	2700	19.3	Z5 - **	RM7840L/UV***	DS	2	LHLO	1-1/2"	7.0"	1 PSI	BM	72
CLM 300	3000	21.4	Z5 - **	RM7840L/UV***	DS	2	LHLO	1-1/2"	7.0"	5 PSI	BM	72

### STANDARD GAS TRAIN COMPONENTS

COMPONENT	CLM / HECL 180 & 210	CLM / HECL 240	CLM / HECL 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.

ABBREVIATIONS: (1)\*\* Insert: "G" - Gas, "GL" - Gas/Oil, "L" = Oil

(2) Combustion Control:

Model - RM7840L

\*\*\* = Optional Landis & Gyr FSG

available (Consult Factory)

Scanner - "UV" = Ultra Violet

(3) Ignition means: "DS" - Direct Spark

(4) Motor Voltage: 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) Firing System: LHLO = Lo-Hi-Lo-Off

(6) Oil Pump Location:

"BM" - Burner Mounted



### NOTES

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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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