

# BRYAN BOILERS


RW - WEB - LNX  
DATE: 01/01/06  
REPLACES: 04/02/04

Originators of the "Flexible Water Tube"

**WEBSTER LO NO<sub>x</sub> BASE BURNER DATA**  
**"RW" SERIES BOILERS**  
**SUB 30 PPM - GAS / REDUCED NO<sub>x</sub> - OIL**

BOILER MODEL	INPUT		BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)	IGNITION MEANS (3)	MOTOR DATA (5)	FIRING SYSTEM	GAS TRAIN DATA			OIL DATA	
	MBH	GPH						TRAIN SIZE CONN. NPT	STANDARD PRESS IN. W.C./PSI		PUMP LOC (6)	SUC. GEAR CAP (GPH)
				MIN	MAX							
RW 850	8500	60.7	JBX3 - **	RM7840L/UV	GP	10	MODULATION	2-1/2"	1.5 PSI	5 PSI	RM	95
RW 1050	10500	75	JBX3 - **	RM7840L/UV	GP	10	MODULATION	2-1/2"	1.5 PSI	5 PSI	RM	180
RW 1260	12600	90	(4) HDLRVX5 - **	RM7840L/UV	GP	7-1/2	MODULATION	2-1/2"	1.5 PSI	5 PSI	RM	180
RW 1500	15000	107.1	(4) HDLRVX7 - **	RM7840L/UV	GP	10	MODULATION	3"	1.5 PSI	5 PSI	RM	265
RW 1700	17000	121.4	(4) HDLRVX7 - ** (7)	RM7840L/UV	GP	15	MODULATION	3"	2 PSI	5 PSI	RM	265
RW 1900	19000	135.7	(4) HDLRVX7 - ** (7)	RM7840L/UV	GP	15	MODULATION	3"	2 PSI	5 PSI	RM	265
RW 2100	21000	150.0	(4) HDLRVX7 - ** (7)	RM7840L/UV	GP	20	MODULATION	3"	2 PSI	5 PSI	RM	265

**STANDARD GAS TRAIN COMPONENTS**

COMPONENT	RW 850 TO RW 1260	RW 1500	RW 1700	RW 1900	RW 2100
Manual Shutoff Valve (point of field connection)	STD.	STD.	STD.	STD.	STD.
Gas Pressure Regulator	STD.	STD.	STD.	STD.	STD.
Main Oper. Gas Valve w/PC - Motorized type	STD.	STD.	STD.	STD.	STD.
Auxiliary Oper. Gas Valve - Solenoid type	STD.	STD.	STD.	STD.	
Auxiliary Oper. Gas Valve - Motorized type	OPT.	OPT.	OPT.	OPT.	STD.
Low Gas Pressure Switch	STD.	STD.	STD.	STD.	STD.
High Gas Pressure Switch	STD.	STD.	STD.	STD.	STD.
Manual Checking Shutoff Gas Valve	STD.	STD.	STD.	STD.	STD.

**STANDARD OIL COMPONENTS**

COMPONENT	RW850 TO RW1260	RW 1500	RW 1700	RW 1900	RW 2100
Dual Shutoff Valves	STD.	STD.	STD.	STD.	STD.
Remote Mounted Oil Pump HP Rating	1-1/2	3/4	3/4	3/4	3/4
Remote Mounted Air Compressor	OPT.	OPT.	5	5	7-1/2

- ABBREVIATIONS** (1)\*\* Insert:: "G" - Gas, "C" - Gas/Oil  
 (2) Combustion Control: Model - RM7840L Scanner - "UV" = Ultra Violet  
 (3) Ignition means: "GP" - Gas Pilot  
 (4) Burner is built in a "laydown" orientation

- (5) Motor Voltage: 60Hz - Motor RPM: 3450 RPM 208-240-480/3 Ph (please specify)  
 (6) Oil Pump Location: "RM" - Remote Mounted on boiler base  
 (7) Air Compressor supplied for field mounting, wiring, & piping.

**NOTES >>>**

- 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.



783 N. Chili Ave., Peru, Indiana 46970  
 Telephone: (765) 473-6651  
 Fax: (765) 473-3074  
 E-Mail: bryanboilers@iquest.net  
 Internet: www.bryanboilers.com