

# BRYAN BOILERS

RV - WEB  
DATE: 7/15/14

Originators of the "Flexible Water Tube" design

**WEBSTER BASE BURNER DATA  
"RV" SERIES BOILERS**

BOILER MODEL	INPUT		BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)		IGNITION MEANS (3)		MOTOR DATA (4) HP	FIRING SYSTEM	GAS TRAIN DATA			OIL DATA	
	MBH	GPH		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		
RV 350	3500	25.0	JB2 - **	RM7897C/UV	RM7897C/UV	GP	DS	1	LO-HI-OFF	2-1/2"	8.0"	1 PSI	BM	70
RV 400	4000	28.5	JB2 - **	RM7897C/UV	RM7897C/UV	GP	GP	1-1/2	LO-HI-OFF	2-1/2"	8.0"	1 PSI	BM	105
RV 450	4500	32.1	JB2 - **	RM7897C/UV	RM7897C/UV	GP	GP	2	LO-HI-OFF	2"	14.0"	1 PSI	BM	105
RV 500	5000	35.7	JB2 - **	RM7840L/UV	RM7840L/UV	GP	GP	3	MODULATION	2-1/2"	14.0"	1 PSI	RM	135
RV 550	5500	39.2	JB2 - **	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	2-1/2"	14.0"	1 PSI	RM	135
RV 600	6000	42.8	JB3 - **	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	2-1/2"	14.0"	1 PSI	RM	135
RV 700	7000	50.0	JB3 - **	RM7840L/UV	RM7840L/UV	GP	GP	5	MODULATION	2-1/2"	18.0"	1 PSI	RM	95
RV 800	8000	57.1	JB3 - **	RM7840L/UV	RM7840L/UV	GP	GP	7-1/2	MODULATION	2-1/2"	24.0"	1 PSI	RM	95



STANDARD GAS TRAIN COMPONENTS			
COMPONENT	RV 350 TO RV 500	RV 550 TO RV 800	
Manual Shutoff Valve (point of field connection)	STD.	STD.	
Gas Pressure Regulator	STD.	STD.	
Main Oper. Gas Valve - Motorized type	STD.	<del>STD.</del>	
Main Oper. Gas Valve w/ PC - Motorized type	OPT.	STD.	
Auxiliary Operating Gas Valve - Solenoid type	STD.	STD.	
Low Gas Pressure Switch	STD.	STD.	
High Gas Pressure Switch	STD.	STD.	
Manual Checking Shutoff Gas Valve	STD.	STD.	
STANDARD OIL COMPONENTS			
COMPONENT	RV 350 TO RV 500	RV 550 & RV 600	RV 700 & RV 800
Dual Shutoff Valves	STD.	STD.	STD.
Remote Mounted Oil Pump HP Rating	<del>3/4</del>	3/4	1

- ABBREVIATIONS: (1)\*\* Insert : "G" - Gas, "C" - Gas/Oil, "O" - Oil  
 (2) Comb. Control: Model - RM7897C or RM7840L  
 Scanner: "UV" - Ultra Violet  
 (3) Ignition Means: "GP" - Gas Pilot or "DS" - Direct Spark  
 (4) Motor Voltage: 60 Hz - Motor RPM: 3450  
 3/4 HP & 1 HP = 230/1 Ph  
 1 1/2 HP & larger = 208-240-480/3 Ph (please specify)  
 (5) Oil Pump Location:  
 "BM" - Burner Mounted  
 "RM" - Remote Mounted

- NOTES >>>**
- 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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