



AMERICA'S BOILER COMPANY

SERIES 4S w/ WEBSTER NATURAL GAS/#2 OIL BURNERS page 1 of 3

Boiler Size	Burner Model	Blower Motor		Oil Pump Motor		Air Compressor		[1] [2] Min. Pres.	Gas Train Max. Pres.	Size (in.)	Firing Sequence	Flame Safeguard
		HP	Voltage	HP	Voltage	HP	Voltage					
4S-100	JB2C-30	3	230-460/3/60	N/A	Integral	N/A	Press. Atom.	2-1/2	10" w.c.	14" w.c.	L-H-O	RM7897C
4S-125	JB2C-50	5	230-460/3/60	3/4	230-460/3/60	N/A	Press. Atom.	2-1/2	2 psig	5 psig	Full Mod	RM7840L
4S-150	JB3C-50	5	230-460/3/60	3/4	230-460/3/60	N/A	Press. Atom.	3	15" w.c.	27" w.c.	Full Mod	RM7840L
4S-175	JB3C-50	5	230-460/3/60	3/4	230-460/3/60	N/A	Press. Atom.	3	15" w.c.	27" w.c.	Full Mod	RM7840L
4S-200	JB3C-75	7-1/2	230-460/3/60	1	230-460/3/60	N/A	Press. Atom.	3	23" w.c.	27" w.c.	Full Mod	RM7840L
4S-250	HDS5C-50A	5	230-460/3/60	1-1/2	230-460/3/60	N/A	Press. Atom.	3	30" w.c.	10 psig	Full Mod	RM7840L
4S-300	HDS5C-75A	7-1/2	230-460/3/60	1-1/2	230-460/3/60	N/A	Press. Atom.	3	1.75 psig	10 psig	Full Mod	RM7840L
4S-350	HDS5C-75A	7-1/2	230-460/3/60	1-1/2	230-460/3/60	N/A	Press. Atom.	3	1.75 psig	10 psig	Full Mod	RM7840L
4S-400	HDS5C-100B	10	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	2-1/2	2 psig	10 psig	Full Mod	RM7840L
4S-500	HDS5C-150B	15	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	2-1/2	2.5 psig	10 psig	Full Mod	RM7840L
4S-600	HDS7C-200B	20	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	3	3.25 psig	10 psig	Full Mod	RM7840L
4S-700	HDS7C-250B	25	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	3	4 psig	10 psig	Full Mod	RM7840L
4S-800	HDS7C-300B	30	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	3	5 psig	10 psig	Full Mod	RM7840L

Explanation of Firing Sequences on Gas:

- L-H-O Low fire start (not proven), high fire run, air control by linkage to motorized gas valve.
- Full Mod Full modulation with proven low fire start, synchronized fuel/air control with modulating motor.

Explanation of Firing Sequences on Oil:

- L-H-O Low fire start (not proven), high fire run, oil cylinder air control (reduced input start) with by-passing type nozzle, oil valve and oil pressure regulating valve.
- Full Mod Full modulation with proven low fire start, synchronized fuel/air control with modulating motor, oil by-passing type nozzle, oil metering valve, oil pressure regulating valve.



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Boiler Size	Burner Model	GENERAL										UL GAS TRAIN												
		Nema 1 Cabinet W/ Hinged Door	Control Circuit Transformer	Control Circuit Fusing	Motor Control Relay	Motor Starter w/Overloads	Main Power Light	Main Fuel Light	Load Demand Light	FSG Alarm Light	Air Flow Switch Safety	Manual Main Shut Off Valve	Gas Pressure Regulator	Low Gas Pressure Switch	Aux. Solenoid Gas Valve	Aux. Motorized Gas Valve	Aux. Gas POC switch	Normally Open Vent Valve	Main Diaphragm Gas Valve	Main Solenoid Gas Valve	Main Motorized Gas Valve	Main Gas POC switch	High Gas Pressure Switch	Manual Leak Test Valve
4S-100	JB2C-30	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	-	X	X	-
4S-125	JB2C-50	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X
4S-150	JB3C-50	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X
4S-175	JB3C-50	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X
4S-200	JB3C-75	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X
4S-250	HDS5C-50A	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X
4S-300	HDS5C-75A	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X	X	X	X	X
4S-350	HDS5C-75A	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X	X	X	X	X
4S-400	HDS5C-100B	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X	X	X	X	X
4S-500	HDS5C-150B	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X	X	X	X	X
4S-600	HDS7C-200B	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X	X	X	X	X
4S-700	HDS7C-250B	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X	X	X	X	X
4S-800	HDS7C-300B	X	X	X	-	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X	X	X	X	X



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Boiler Size	Burner Model	OIL TRAIN																	IGNITION				
		Manual Oil Shut Off Valve	Oil Relief Valve	Oil Strainer	Oil Check Valve(s)	Low Oil Pressure Switch	Oil Metering Valve	Main Oil Valve Normally Closed	Safety Oil Valve	N.O. Bypass Oil Valve	Oil Back Pressure Relieving Valve	Oil Pressure Gauge(s)	Compound Gauge	Air Filter	Air Line Safety Valve	Air Chamber	Low Atom. Air Pressure Switch	Air Line Check Valve	Air Pressure Gauges	Manual Pilot Shut Off Valve	Pilot Pressure Regulator	Pilot Solenoid Valve	Pilot Ignition Transformer
4S-100	JB2C-30	-	-	-	-	X	-	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	X
4S-125	JB2C-50	-	-	-	2	X	X	X	X	-	X	2	-	-	-	-	-	-	-	X	X	X	X
4S-150	JB3C-50	-	-	-	2	X	X	X	X	-	X	2	-	-	-	-	-	-	-	X	X	X	X
4S-175	JB3C-50	-	-	-	2	X	X	X	X	-	X	2	-	-	-	-	-	-	-	X	X	X	X
4S-200	JB3C-75	-	-	-	2	X	X	X	X	-	X	2	-	-	-	-	-	-	-	X	X	X	X
4S-250	HDS5C-50A	-	-	-	2	X	X	X	X	-	X	2	-	-	-	-	-	-	-	X	X	X	X
4S-300	HDS5C-75A	-	-	-	2	X	X	X	X	-	X	2	-	-	-	-	-	-	-	X	X	X	X
4S-350	HDS5C-75A	-	-	-	2	X	X	X	X	-	X	2	-	-	-	-	-	-	-	X	X	X	X
4S-400	HDS5C-100B	3	X	X	2	X	X	X	X	-	-	3	X	X	X	X	X	X	2	X	X	X	X
4S-500	HDS5C-150B	3	X	X	2	X	X	X	X	-	-	3	X	X	X	X	X	X	2	X	X	X	X
4S-600	HDS7C-200B	3	X	X	2	X	X	X	X	-	-	3	X	X	X	X	X	X	2	X	X	X	X
4S-700	HDS7C-250B	3	X	X	2	X	X	X	X	-	-	3	X	X	X	X	X	X	2	X	X	X	X
4S-800	HDS7C-300B	3	X	X	2	X	X	X	X	-	-	3	X	X	X	X	X	X	2	X	X	X	X