



AMERICA'S BOILER COMPANY

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

Boiler Size	Burner Model	Blower Motor		Oil Pump Motor		Air Compressor		Firing Sequence	Flame Safeguard
		HP	Voltage	HP	Voltage	HP	Voltage		
4S-100	JB2O-30	3	230-460/3/60	N/A	Integral	N/A	Press. Atom.	L-H-O	RM7897C
4S-125	JB2O-50	5	230-460/3/60	3/4	230-460/3/60	N/A	Press. Atom.	FULL MOD	RM7840L
4S-150	JB3O-50	5	230-460/3/60	3/4	230-460/3/60	N/A	Press. Atom.	FULL MOD	RM7840L
4S-175	JB3O-50	5	230-460/3/60	3/4	230-460/3/60	N/A	Press. Atom.	FULL MOD	RM7840L
4S-200	JB3O-75	7-1/2	230-460/3/60	1	230-460/3/60	N/A	Press. Atom.	FULL MOD	RM7840L
4S-250	HDS5O-50A	5	230-460/3/60	1-1/2	230-460/3/60	N/A	Press. Atom.	FULL MOD	RM7840L
4S-300	HDS5O-75A	7-1/2	230-460/3/60	1-1/2	230-460/3/60	N/A	Press. Atom.	FULL MOD	RM7840L
4S-350	HDS5O-75A	7-1/2	230-460/3/60	1-1/2	230-460/3/60	N/A	Press. Atom.	FULL MOD	RM7840L
4S-400	HDS5O-100B	10	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	FULL MOD	RM7840L
4S-500	HDS5O-150B	15	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	FULL MOD	RM7840L
4S-600	HDS7O-200B	20	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	FULL MOD	RM7840L
4S-700	HDS7O-250B	25	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	FULL MOD	RM7840L
4S-800	HDS7O-300B	30	230-460/3/60	1/2	230-460/3/60	7-1/2	230-460/3/60	FULL MOD	RM7840L

### Explanation of Firing Sequences on Oil:

**Low Fire Start** 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.

**Modulating** 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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**SERIES 4S w/ WEBSTER #2 Oil BURNERS** page 2 of 2

Boiler Size	Burner Model	GENERAL										OIL TRAIN													IGNITION												
		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 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	Direct Spark Oil Ignition	Direct Spark Oil Ignition Trans	Manual Pilot Shut Off Valve	Pilot Pressure Regulator	Pilot Solenoid Valve	Pilot Ignition Transformer		
4S-100	JB2O-30	X	X	X	-	X	X	X	X	X	X	-	-	-	X	-	X	X	X	X	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-	-	
4S-125	JB2O-50	X	X	X	-	X	X	X	X	X	X	-	-	-	2	X	X	X	X	X	-	X	2	-	-	-	-	-	-	-	-	-	-	X	X	X	X
4S-150	JB3O-50	X	X	X	-	X	X	X	X	X	X	-	-	-	2	X	X	X	X	X	-	X	2	-	-	-	-	-	-	-	-	-	X	X	X	X	
4S-175	JB3O-50	X	X	X	-	X	X	X	X	X	X	-	-	-	2	X	X	X	X	X	-	X	2	-	-	-	-	-	-	-	-	-	X	X	X	X	
4S-200	JB3O-75	X	X	X	-	X	X	X	X	X	X	-	-	-	2	X	X	X	X	X	-	X	2	-	-	-	-	-	-	-	-	-	X	X	X	X	
4S-250	HDS5O-50A	X	X	X	-	X	X	X	X	X	X	-	-	-	2	X	X	X	X	X	-	X	2	-	-	-	-	-	-	-	-	-	X	X	X	X	
4S-300	HDS5O-75A	X	X	X	-	X	X	X	X	X	X	-	-	-	2	X	X	X	X	X	-	X	2	-	-	-	-	-	-	-	-	-	X	X	X	X	
4S-350	HDS5O-75A	X	X	X	-	X	X	X	X	X	X	-	-	-	2	X	X	X	X	X	-	X	2	-	-	-	-	-	-	-	-	-	X	X	X	X	
4S-400	HDS5O-100B	X	X	X	-	X	X	X	X	X	X	3	X	X	2	X	X	X	X	X	-	-	3	X	X	X	X	X	X	2	-	-	X	X	X	X	
4S-500	HDS5O-150B	X	X	X	-	X	X	X	X	X	X	3	X	X	2	X	X	X	X	X	-	-	3	X	X	X	X	X	X	2	-	-	X	X	X	X	
4S-600	HDS7O-200B	X	X	X	-	X	X	X	X	X	X	3	X	X	2	X	X	X	X	X	-	-	3	X	X	X	X	X	X	2	-	-	X	X	X	X	
4S-700	HDS7O-250B	X	X	X	-	X	X	X	X	X	X	3	X	X	2	X	X	X	X	X	-	-	3	X	X	X	X	X	X	2	-	-	X	X	X	X	
4S-800	HDS7O-300B	X	X	X	-	X	X	X	X	X	X	3	X	X	2	X	X	X	X	X	-	-	3	X	X	X	X	X	X	2	-	-	X	X	X	X	