



C SERIES

Webster Burner Information

Boiler Size	Burner Model		Motor Horsepower			Firing Sequence		Standard UL Flame Safeguard			Gas Train		
	Gas and Gas/#2 Oil	#2 Oil	Gas	#2 Oil Gas/#2 Oil	Voltage	Gas	#2 Oil and Gas/#2 Oil	Gas	#2 Oil	Gas/#2 Oil	Size	Min. Pres.	Max. Pres.
C-20	JB1-02	JB1-02	1/4	1/3	115/60/1	On - Off	On - Off	RM7897A	R7184A	RM7897C	1	5" w.c.	14" w.c.
C-30	JB1-03	JB1-03	1/3	1/3	115/60/1	On - Off	On - Off	RM7897A	R7184A	RM7897C	1 1/4	5" w.c.	14" w.c.
C-40	JB1-05	JB1-05	1/2	1/2	230/60/1	L-H-O LFS	L-H-O LFS	RM7897A	R7184A	RM7897C	1 1/2	7" w.c.	14" w.c.
C-50	JB1-07	JB1-07	3/4	3/4	230/60/1	L-H-O LFS	L-H-O LFS	RM7897A	RM7897A	RM7897C	1 1/2	8" w.c.	14" w.c.
C-60	JB2-07/10	JB2-10	3/4	1	230/60/1	L-H-O LFS	L-H-O LFS	RM7897A	RM7897A	RM7897C	1 1/2	8" w.c.	14" w.c.
C-70	JB2-10	JB2-10	1	1-1/2	230/60/1/3	L-H-O LFS	L-H-O LFS	RM7897A	RM7897C	RM7897C	2	8" w.c.	14" w.c.
C-80	JB2-15	JB2-15	1 1/2	1-1/2	208/460/3	L-H-O LFS	L-H-O LFS	RM7897A	RM7897C	RM7897C	2	9" w.c.	14" w.c.
C-90	JB2-30	JB2-30	3	3	208/460/3	Full Mod	Full Mod	RM7840L	RM7840L	RM7840L	2 1/2	12" w.c.	1 psig
C-100	JB2-30	JB2-30	3	3	208/460/3	Full Mod	Full Mod	RM7840L	RM7840L	RM7840L	2 1/2	15" w.c.	1 psig
C125	JB2-50	JB2-50	5	5	208/460/3	Full Mod	Full Mod	RM7840L	RM7840L	RM7840L	3	18" w.c.	2 psig
C-150	JB3-50	JB3-50	5	5	208/460/3	Full Mod	Full Mod	RM7840L	RM7840L	RM7840L	3	19" w.c.	3 psig
C-175	JB3-50	JB3-50	5	5	208/460/3	Full Mod	Full Mod	RM7840L	RM7840L	RM7840L	3	20" w.c.	4 psig
C-200	JB3-75	JB3-75	7.5	7.5	206/460/3	Full Mod	Full Mod	RM7840L	RM7840L	RM7840L	3	20" w.c.	5 psig

Gas and Gas Sequence on Combination Gas/Oil Boilers

On-Off Slow opening gas valve, fixed air damper, diaphragm gas valve.

L-H-O Slow opening gas valve, adjustable position (LFS) air damper, linked to motorized gas valve.

Oil and Oil Sequence on Combination Gas/Oil Boilers

On-Off Fixed air damper, oil valve.

On-Off LF Fixed air low fire start.

L-H-O Adjustable air damper (spring close), linked to oil pressure cylinder, oil pressure regulator and by-pass valve for LFS.



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Webster Burner Equipment

Equipment	Fuel	Description
Control Cabinet	Gas, #2 Oil, Gas/#2 Oil	NEMA 1A with hinged door.
Control Voltage Transformer	Gas, #2 Oil, Gas/#2 Oil	Included with all but 115/60/1 burners.
Motor Starter	Gas, #2 Oil, Gas/#2 Oil	Contactors on all single phase motors. Magnetic starter with overload protection on 3 phase motors.
Fusing	Gas, #2 Oil, Gas/#2 Oil	Control circuit only.
Ignition	Gas and Gas/#2 Oil	Gas/Electric pilot.
	#2 Oil	Direct spark.
Signal Lights	Gas, #2 Oil, Gas/#2 Oil	Four [power on, fuel on, flame failure, and call for heat]
	Full Mod	Four [power on, fuel on, flame failure, and call for heat]
Air Flow Safety Switch	Gas,#2 Oil, Gas/#2 Oil	All models.
	#2 Oil	C-70 and larger
Gas Train	Gas and Gas/#2 Oil	UL gas train for minimum inlet pressure indicated on Burner Information table. Shipped unassembled and consisting of the following: <ul style="list-style-type: none"> ● Manual shut-off valve. ● Gas pressure regulator ● Manual leak test valve. ● <u>Automatic gas valve</u>: Diaphragm type with On-Off sequence. Solenoid type all others. ● <u>Safety gas valve</u>: Solenoid type. ● <u>High and Low gas pressure switches</u>: Models C-60 and larger.
Oil Pump	#2 Oil and Gas/#2 Oil	Integral with burner.
Pilot Gas Controls	Gas, #2 Oil, Gas/#2 Oil	All models with gas/electric pilot have manual pilot shut-off valve, soft seat low gas pressure regulator and solenoid gas valve.
Fuel Changeover	Gas/#2 Oil	Manual switch.