



C SERIES

**Power Flame Burner Information**

Boiler Size	Burner Model		Motor			Firing Sequence <sup>[1]</sup>		Standard UL Flame Safeguard			Gas Train		
			Horsepower										
	Gas and #2 Oil	#2 Oil	Gas	#2 Oil and Gas/#2 Oil	Voltage	Gas	#2 Oil and Gas/#2 Oil	Gas	#2 Oil	Gas/#2 Oil	Size <sup>[4][5]</sup>	Min. Pres.	Max. Pres.
C-20	C/CR1*-10	C/CR1-O	1/3	1/2	115/60/1	On-Off	On-Off	RM7897A/UV	R7284P/CC	RM7897C/UV	1	3.5" w.c.	14.0" w.c.
C-30	C/CR1*-12	C/CR1-O	1/2	1/2	115/60/1	On-Off	On-Off	RM7897A/UV	R7284P/CC	RM7897C/UV	1 1/4	5.5" w.c.	14.0" w.c.
C-40	C2*-15	C2-OA	1/2	3/4	230/60/1 <sup>[3]</sup>	L-H-O	L-H-O	RM7897A/UV	R7284P/CC	RM7897C/UV	1 1/4	4.5" w.c.	14.0" w.c.
C-50	C2*-20A	C2-OA	3/4	3/4 / 1 <sup>[2]</sup>	230/60/1	L-H-O	L-H-O	RM7897A/UV	R7284P/CC	RM7897C/UV	1 1/2 / 1 1/4	6.8" w.c.	14.0" w.c.
C-60	C2*-20B	C2-OB	1	1 1/2	230/60/1	L-H-O	L-H-O	RM7897A/UV	R7284P/CC	RM7897C/UV	2 / 1 1/2	5.2" w.c.	14.0" w.c.
C-70	C2*-20B	C2-OB	1	1 1/2	230/60/1	L-H-O	L-H-O	RM7897C/UV	R7284P/CC	RM7897C/UV	2 / 1 1/2	6.7" w.c.	14.0" w.c.
C-80	C3*-20	C3-O	1 1/2	2	208/460/3	L-H-O	L-H-O	RM7897C/UV	RM7897C/UV	RM7897C/UV	2 / 1 1/2	8.0" w.c.	14.0" w.c.
C-90	C3*-20	C3-O	1 1/2	2	208/460/3	L-H-O	L-H-O	RM7897C/UV	RM7897C/UV	RM7897C/UV	2	7.9" w.c.	14.0" w.c.
C-100	C3*-25B	C3-OB	3	3	208/460/3	L-H-O	L-H-O	RM7897C/UV	RM7897C/UV	RM7897C/UV	2	7.4" w.c.	14.0" w.c.
C-125	C4*-30	C4-OB	5	5	208/460/3	L-H-O	L-H-O	RM7897C/UV	RM7897C/UV	RM7897C/UV	2	10.5" w.c.	14.0" w.c.
C-150	C5*-30	C5-O	7 1/2	7 1/2	208/460/3	MOD	MOD	RM7840L/UV	RM7840L/UV	RM7840L/UV	2 1/2	10.0" w.c.	28.0" w.c.
C-175	C5*-30	C5-O	7 1/2	7 1/2	208/460/3	MOD	MOD	RM7840L/UV	RM7840L/UV	RM7840L/UV	3	10.9" w.c.	28.0" w.c.
C-200	C6*-30	C6-O	10	10	208/460/3	MOD	MOD	RM7840L/UV	RM7840L/UV	RM7840L/UV	3	11.5" w.c.	28.0" w.c.

[1] Explanation of Firing Sequences:

**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 LFS   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.

[2] Oil blower motor is 3/4 hp and combination gas/oil is 1 hp.

[3] Voltage on gas burner model is 115/60/1.

[4] Model C-50 & C-60 - Dual size gas trains: Leak test cock and main gas valve are indicated by the first number; combination gas valve/regulator and main shutoff cock are indicated by the second number.

[5] Models C-70 & C-80 - Dual size gas trains: Leak test cock, main gas valve and auxiliary gas valve are indicated by the first number; gas regulator and main shutoff cock are indicated by the second number.