

Table 2

Standard Burner Ratings and Component Data Power Flame U.L. Capacity 0.2" W.C. Positive Pressure (D)										
Burner Model (A)	Standard Flame Sensor (B)	3450RPM Blower Motor H.P.(C)	GPH Maximum	MBTU/HR. Natural Gas Maximum	Nominal Boiler H.P.	Gas Pressure Required Inches W.C. (E) Min.Max.	Standard Gas Train Size (F)	Burner Pump Suction Capacity		
								Burner Mounted Oil Pressure Pump Suction Capacity In GPH(G)	Separate Driven Oil Pressure Pump If Supplied (H) Motor H.P.	Suction Capacity In GPH
Model CGO (Combination Gas/Oil)										
C1-GO-10	UV	1/3	6	812	23.5	5.6-14	1"	19(J)	1/3	19(J)
C1-GO-12	UV	1/3	9.7	1360	32.3	5.3-14	1 1/4"	19(J)	1/3	19(J)
C2-GO-15	UV	3/4	15.7	2,200	52.3	5.2-14	1 1/2"	70(K)	1/3	70(K)
C2-GO-20A	UV	1	17.9	2,500	60.0	4.8-14	2"	40	1/3	40
C2-GO-20B	UV	1 1/2	22.2	3,200	73.5	4.8-14	2"	40	1/3	40
C3-GO-20	UV	2	34.9	4,200	87.0	5.9-14	2"	105	1/2	105
C3-GO-25	UV	2	33.7	4,888	112.0	7.0-14	2 1/2"	105	1/2	105
C3-GO-25B	UV	3	39.5	5,640	125.0	7.2-14	2 1/2"	135	3/4	135
C4-GO-25	UV	5	45.1	6,300	150.0	8.0-14	2 1/2"	135	3/4	135
C4-GO-30	UV	5	57	7,980	190.0	12.1-14	3"	N/A	3/4	135
C5-GO-30	UV	7 1/2	75	10,500	250.0	19.9-28	3"	N/A	1	250
C5-GO-30B	UV	7 1/2	75	10,500	250.0	17.8-28	3"	N/A	1	250
C6-GO-30	UV	10	101.5	14,215	340.0	26.5-28	3"	N/A	1	250
C7-GO-30	UV	15	121.4	17,000	404.0	40-280	3"	N/A	1	265
C7-GO-30B	UV	20	124.0	17,900	421.0	40-280	3"	N/A	1	265
C8-GO-30	UV	15	136.4	19,100	454.0	50-280	3"	N/A	1	265
Model CG (Gas)										
C1-G-10	UV	1/3	-	812	23.5	5.6-14	1"	-	-	-
C1-G-12	UV	1/3	-	1360	32.3	5.3-14	1 1/4"	-	-	-
C2-G-15	UV	1/2	-	2,200	52.3	5.2-14	1 1/2"	-	-	-
C2-G-20A	UV	3/4	-	2,500	60.0	4.8-14	2"	-	-	-
C2-G-20B	UV	1	-	3,200	73.5	4.8-14	2"	-	-	-
C3-G-20	UV	1 1/2	-	4,200	100.0	5.9-14	2"	-	-	-
C3-G-25	UV	1 1/2	-	4,888	112.0	7.0-14	2 1/2"	-	-	-
C3-G-25B	UV	3	-	5,640	125.0	7.2-14	2 1/2"	-	-	-
C4-G-25	UV	3	-	6,300	150.0	8.0-14	2 1/2"	-	-	-
C4-G-30	UV	5	-	7,980	190.0	12.1-14	3"	-	-	-
C5-G-30	UV	7 1/2	-	10,500	250.0	19.9-28	3"	-	-	-
C5-G-30B	UV	7 1/2	-	10,500	250.0	17.8-28	3"	-	-	-
C6-G-30	UV	10	-	14,215	340.0	26.5-28	3"	-	-	-
C7-G-30	UV	15	-	17,000	404.0	40-280	3"	-	-	-
C7-G-30B	UV	20	-	17,900	421.0	40-280	3"	-	-	-
C8-G-30	UV	15	-	19,100	454.0	50-280	3"	-	-	-
Model CO (Oil)										
C1-O	CC	1/3	9.7	-	32.3	-	-	19(J)	1/3	19(J)
C2-OA	CC	3/4	17.9	-	52.3	-	-	70(K)	1/3	70(K)
C2-OB	CC(I)	1 1/2	22.3	-	73.5	-	-	40	1/3	40
C3-O	UV	2	34.9	-	112.0	-	-	105	1/2	105
C3-OB	UV	3	39.5	-	125.0	-	-	135	3/4	135
C4-OA	UV	5	45.1	-	150.0	-	-	135	3/4	135
C4-OB	UV	5	57.0	-	190.0	-	-	N/A	3/4	135
C5-O	UV	7 1/2	75.0	-	250.0	-	-	N/A	1	250
C5-OB	UV	7 1/2	75.0	-	250.0	-	-	N/A	1	250
C6-O	UV	10	101.5	-	340.0	-	-	N/A	1	250
C7-O	UV	15	121.4	-	404.0	-	-	N/A	1	265
C7-OB	UV	20	124.0	-	421.0	-	-	N/A	1	265
C8-O	UV	15	136.4	-	454.0	-	-	N/A	1	265

- A. See page 2 for further model number information.
- B. The flame sensor shown - UV (Ultra Violet) or CC (Cad Cell). Other flame sensors such as Lead Sulfide and photo cell are available to comply with specifications or codes.
- C. If separate pump is supplied, HP may be reduced. For positive pressure applications on C1 burners with integral pump firing over 8 GPH or some OEM boilers, a 1/2 HP motor and oversized fan are required on oil and gas/oil burners.
- D. Capacities listed are based on 0.20" W.C. positive pressure. Derate capacities approximately 5% for each +.50" W.C. combustion chamber pressure, except for C5-OB and C5-G(O)-30B, which are rated for 250 BHP at +1.2" W.C. All capacities based on 2000' elevation. Derate capacity by 4% for each additional 1000' elevation.
- E. At inlet to main shutoff cock with burner operating at maximum input rate. If auxiliary gas valves are used, C2-G(O)-20A through C4-G(O)-30 inlet pressure of 28" (1#) are permitted when using optional 325-3 pilot regulator.
- F. Model numbers will always reflect the standard U.L. listed gas train sizes to correlate with U.L. input listings. The actual train size may vary, depending on local gas supply pressures available.
- G. and H. Suction line and oil filter must be sized to provide these suction capacities. **Do not** size suction lines or filter capacities based on burner firing rates. See page 11 for further information.
- I. C2-OB will be supplied with a UV sensor if firing rate is above 20 GPH (unless specified otherwise).