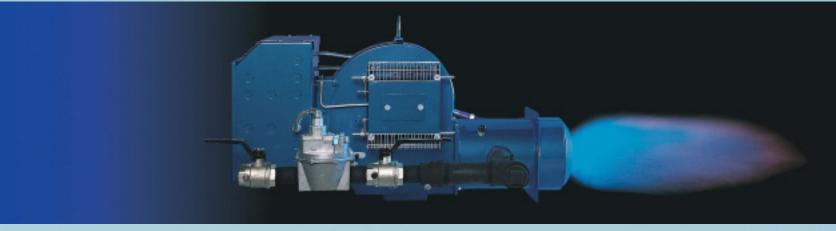
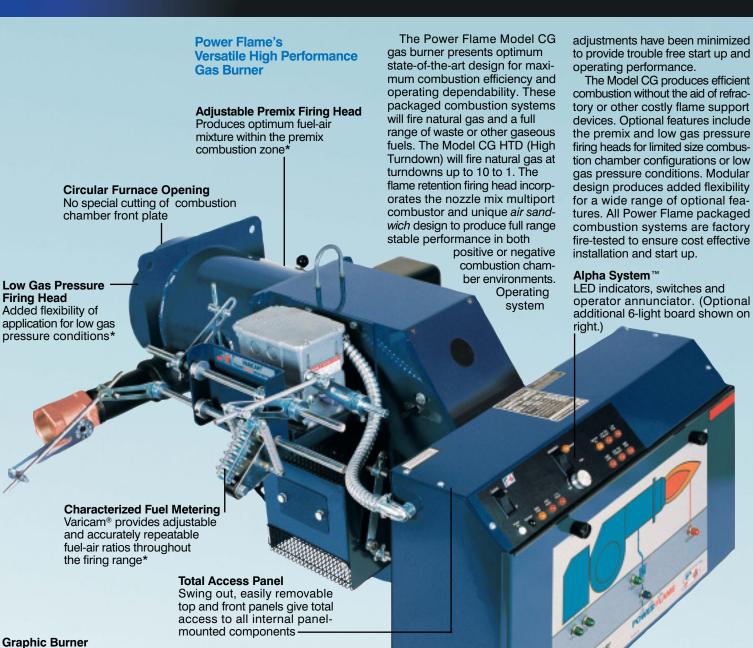
CG-1090 Rpt. 1211

Power Flame Type C





(II) (II)

*Optional

Management System
Director® graphic annunciation

of critical burner functions*

The Power to Manag

STANDARD EQUIPMENT

- Alpha System[™] LED (power, demand, main fuel, FSG alarm, selectable) and control switch
- Gas electric pilot and gas ignition transformer
- Leakage test cock, pilot cock and main gas cock
- Pilot and main gas pressure regulators
- Air safety switch

ADDED FEATURES

X-Standard O-Optional NA-Not Available
Flame Safeguard with UV and intermittent pilot
Flame Safeguard with UV and interrupted pilot
On-Off diaphragm gas valve with fixed air control manual adjustment
Low-Hi-Off motorized gas valve with automatic air control
Low-Hi-Low motorized gas valve with automatic air control
Modulation with automatic air control (Standard on all CG HTD)
Dual gas safety valves (A)
High and Low gas pressure switches
Nova® Low NOx systems
Customized control systems and accessories
Man/Auto switch - manual potentiometer-modulation units
- Conforme to 111 705

■ Conforms to UL795



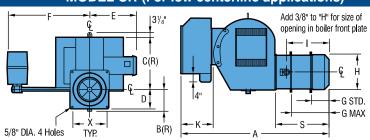
Optional NOVA® Low NOx systems: Induced Flue Gas Recirculation shown.



C1-G-10 C1-G-12 C2-G-15	C2-G-20A	C2-G-20B	C3-G-20 C3-G-25 C3-G-25B	C4-G-25	C4-G-30 C5-G-30(B) C6-G-30	C7-G-30 C8-G-30
X	X	NA	NA	NA	NA	NA
0	0	X	X	X	X	Х
Χ	NA	NA	NA	NA	NA	NA
0	X	X	X	X	NA	NA
0	0	0	0	0	NA	NA
0	0	0	0	0	X	X
Χ	Х	Х	Х	Х	X	Х
0	0	X	Х	Х	Х	Х
0	0	0	0	0	0	0
0	0	0	0	0	0	0
Χ	Х	Х	Х	Х	Х	Х

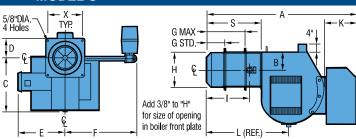
(A) 5,000 MBH and below may be replaced by one (1) proof of closure valve; Above 5,000 MBH one (1) of the safety valves will include proof of closure feature.

MODEL CR (For low centerline applications)



DIMENSIONS(Inches) Standard Models.

MODEL C



RATINGS & SPECIFICATIONS

																	CAPA	CITY ¹ Nominal	Blower	Standard	Gas Pressure	
Burner Model	A	В	B(R)	С	C(R)	D	E	F**	G Std.	G *Max.	н	ı	K	L	s	X	Nat. Gas MBH Max.	Boiler H.P. Max.		Gas Train	Required	
C1-G-10	341/8	3 ¹³ / ₁₆	5 ⁹ / ₁₆	141/2	141/2	4 ⁵ / ₈	12 ¹ / ₄	20	31/4	43/4	71/4	7 ³ / ₈	10 ¹ / ₄	17 ¹ / ₈	12 ⁵ / ₈	71/4	980	23.5	1/3	1	5.6	
C1-G-12	341/8	3 ¹³ / ₁₆	5 ⁹ / ₁₆	141/2	141/2	45/8	121/4	20	31/4	43/4	71/4	73/8	101/4	171/8	12 ⁵ / ₈	71/4	1,360	32.3	1/3	11/4	5.3	
C2-G-15	39 ¹ / ₈	41/2	6 ¹ / ₈	14 ⁷ / ₈	14	5 ¹ / ₄	14	20	4	63/4	83/4	81/2	10 ¹ / ₄	18 ⁷ / ₈	13 ³ / ₈	81/2	2,200	52.3	1/2	11/2	5.2	
C2-G-20A	39 ¹ / ₈	41/2	6 ¹ / ₈	14 ⁷ / ₈	14	5 ¹ / ₄	14	20	4	$6^{3}/_{4}$	83/4	81/2	101/4	187/8	13 ³ / ₈	81/2	2,500	60.0	3/4	2	4.8	
C2-G-20B	39 ¹ / ₈	41/2	6 ¹ / ₈	14 ⁷ / ₈	14	5 ¹ / ₄	14	20	4	63/4	83/4	81/2	10 ¹ / ₄	18 ⁷ / ₈	13 ³ / ₈	81/2	3,080	73.5	1	2	4.8	
C3-G-20	44	5 ¹ / ₄	7	16 ⁵ / ₈	15 ¹ / ₄	6	16	223/8	41/2	8	10 ¹ / ₈	11 ¹ / ₂	10 ¹ / ₄	22	15 ¹ / ₂	10	4,200	100.0	11/2	2	7.6	
C3-G-25	44	5 ¹ / ₄	7	165/8	15 ¹ / ₄	6	16	22 ³ / ₈	41/2	8	10 ¹ / ₈	111/2	10 ¹ / ₄	22	15 ¹ / ₂	10	4,718	112.0	11/2	2 ¹ / ₂	7.0	
C3-G-25B	44	5 ¹ / ₄	7	16 ⁵ / ₈	15 ¹ / ₄	6	16	223/8	41/2	8	10 ¹ / ₈	11 ¹ / ₂	10 ¹ / ₄	22	15 ¹ / ₂	10	5,250	125.0	3	2 ¹ / ₂	7.2	
C4-G-25	50	61/4	7 5/ ₁₆	187/8	17 ¹¹ / ₁₆	7	18 ¹ / ₂	28	6	9	12 ¹ / ₈	14 ¹ / ₄	10 ¹ / ₄	26 ⁵ / ₈	19 ¹ / ₈	12	6,300	150.0	3	21/2	10.0	
C4-G-30	50	6 ¹ / ₄	7 5/ ₁₆	187/8	1711/16	7	18 ¹ / ₂	28	6	9	12 ¹ / ₈	141/4	10 ¹ / ₄	26 ⁵ / ₈	19¹/ ₈	12	7,840	190.0	5	3	12.1	
C5-G-30(B)	50	61/4	7 ⁵ / ₁₆	18 ⁷ / ₈	1711/16	7	18 ¹ / ₂	26 ¹ / ₂	6	9	12 ¹ / ₈	141/4	101/4	26 ⁵ / ₈	19¹/ ₈	12	10,500	250.0	71/2	3	19.9,17.8	
C6-G-30	497/8	61/4	7 5/ ₁₆	18 ⁷ / ₈	17 ¹¹ / ₁₆	73/4	19 ⁷ / ₈	26 ¹ / ₂	5	11 ¹ / ₂	13 ⁵ / ₈	14 ¹ / ₈	10¹/₄	26 ¹ / ₂	19	13 ¹ / ₂	14,215	340.0	10	3	26.5	
C7-G-30	51 ¹¹ / ₁₆	8 ¹ / ₈	10 ¹ / ₈	24 ⁵ / ₁₆	22 ³ / ₈	83/4	18	21 ¹³ / ₁₆	47/8	111/4	15 ⁵ / ₈	13 ⁷ / ₈	91/8	26 ¹ / ₂	19	13 ¹ / ₂	17,000	404.0	15	3	40.0	
C7-G-30B	51 11/16	8 ¹ / ₈	10 ¹ / ₈	24 ⁵ / ₁₆	22 ³ / ₈	83/4	18	21 ¹³ / ₁₆	47/8	11 ¹ / ₄	15 ⁵ / ₈	137/8	91/8	26 ¹ / ₂	19	13 ¹ / ₂	17,700	421.0	20	3	45.0	
C8-G-30	56 9/ ₁₆	8 ¹ / ₈	10 ¹ / ₈	27 ¹ / ₈	27 ⁵ / ₈	83/4	20	24 ³ / ₈	31/4	95/8	15 ⁵ / ₈	121/4	91/8	247/8	17 ⁵ / ₁₆	131/2	19,100	454.0	15	3	50.0	



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- Capacities listed are based on 0.20" W.C. positive pressure, except for C5-G-30B, which is rated at +1.2" W.C. Refer to capacity curves for derates based upon combustion chamber pressure.
- 2. At inlet to main manual shutoff cock to obtain P/F certified ratings with standard U.L. gas train. Optional gas trains and combustion heads available for lower pressures.

 * This dimension may be increased. Consult factory.
- This dimension depicts space required to accomodate a standard gas train.