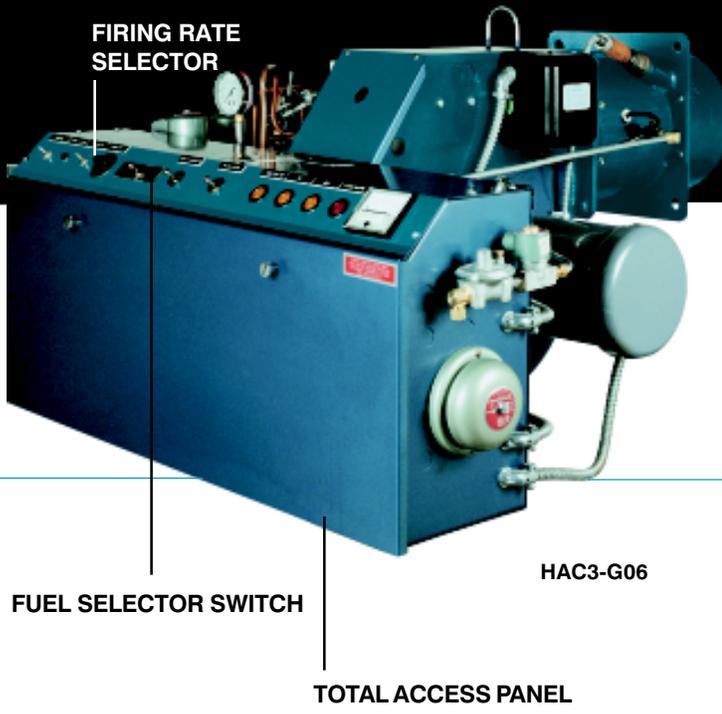
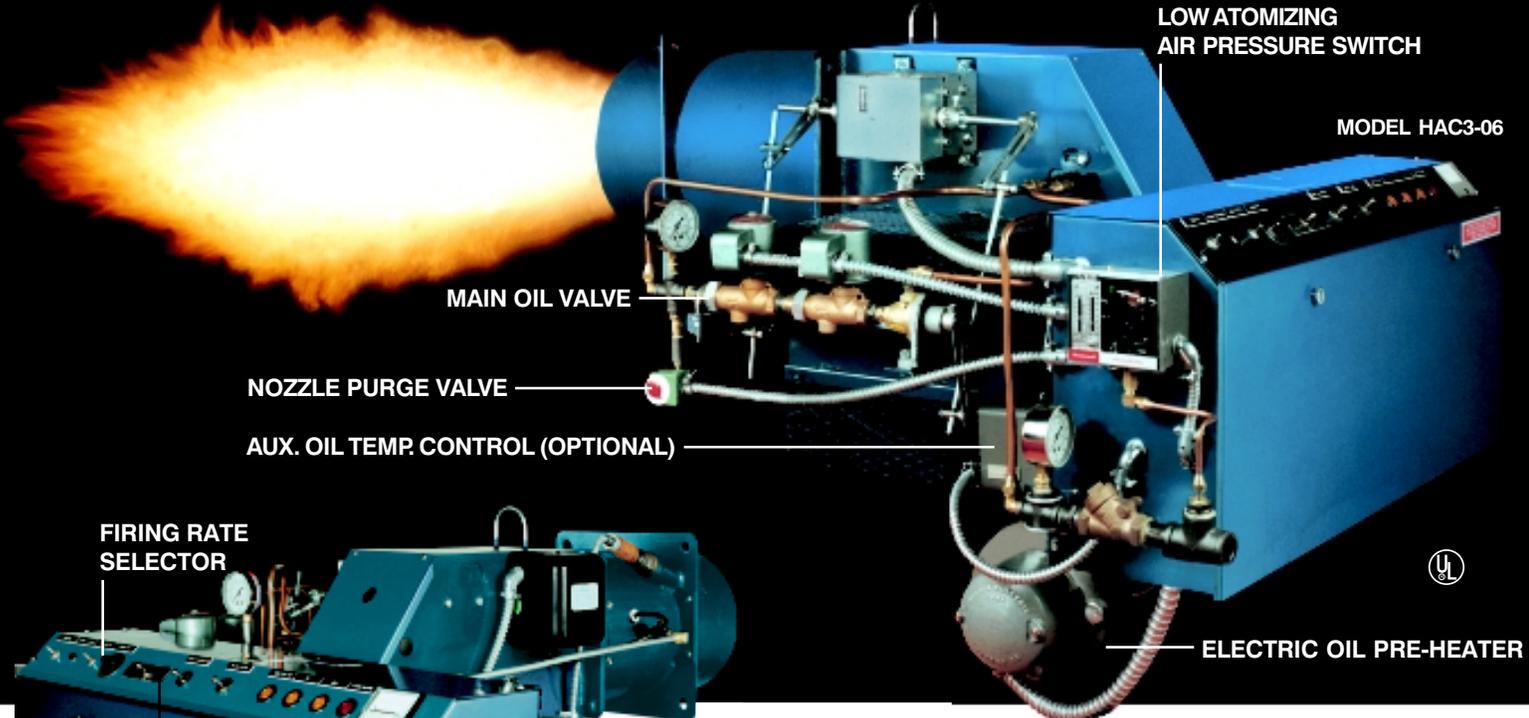


TYPE HAC

HEAVY OIL/GAS

FORCED DRAFT BURNERS

1,200,000-11,600,000 BTU



POWER FLAME ADVANTAGES

- Low pressure air atomizing system for #2 through #6 fuel oil
- Multi port combustor and unique Power Flame air envelope assure maximum stability for gas combustion
- New high velocity, vortex/mix, retention firing head - no burner choke or refractory throat required
- Circular opening - no special cutting of furnace front plate
- Equally efficient combustion in positive or negative draft

STANDARD EQUIPMENT

- Control Panel with three (3) lights and control switches
- 3450 RPM Motor and squirrel cage blower wheel assembly
- Full modulating operation, all fuels
- Gas/electric pilot assembly with ignition transformer, solenoid valve, and pilot cock
- Pilot and main gas pressure regulators (1# max. inlet)
- Combustion and atomizing air proving switches

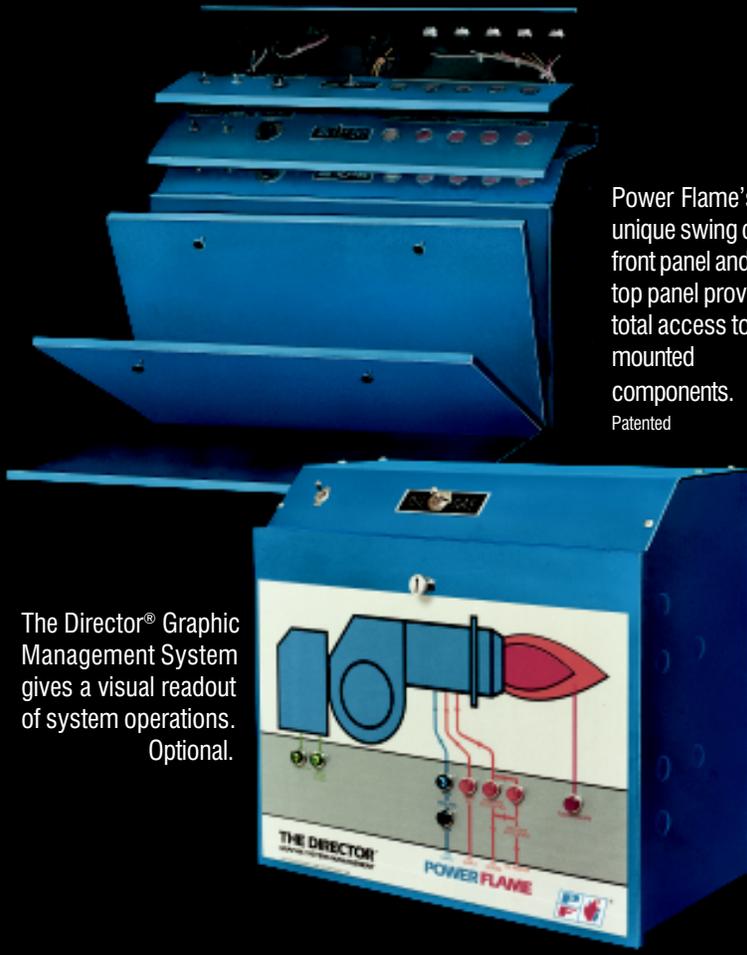
ADDITIONAL FEATURES

- | X-Standard | O-Optional |
|------------|---|
| | Flame safeguard system with pre-purge, post-purge, UV scanner |
| | Proven low fire start, manual auto-switch & potentiometer |
| | Motorized main gas valve, (Proof of closure system on gas-oil units) |
| | Auxiliary solenoid valve (Over 5 MM Btu/Hr), High and low gas pressure switches |
| | Characterized fuel metering system |
| | Dual oil valves, N.O. bypass valve (#5,6 oil) and purge valve (#4,5,6 oil) |
| | Simplex oil strainer |
| | Integral oil pump (#2 oil) |
| | Remote direct drive oil pump set (#4,5,6 oil), back press reg valve(#5,6 oil) |
| | Integral oil preheater, low temperature interlock, (#4,5,6 oil)** |
| | Equipment to meet Factory Mutual, IRI and other approval agencies |
| | Customized control systems, remote panel and accessories |
| | Atomizing air compressor set |
| | Distillate/Residual (Light/Heavy) oil selector switch |

** Low Watt Density Optional on Request
(1) Remote Direct Drive Pump Set with Internal Regulator

HAC3	HAC4A	HAC4B	HAC4C	HAC5	HAC6
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
O	O	O	O	O	O
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	(1)	(1)
X	X	X	X	X	X
X	X	X	X	X	X
O	O	O	O	O	O
O	O	O	O	O	O
X	X	X	X	X	X
O	O	O	O	O	O

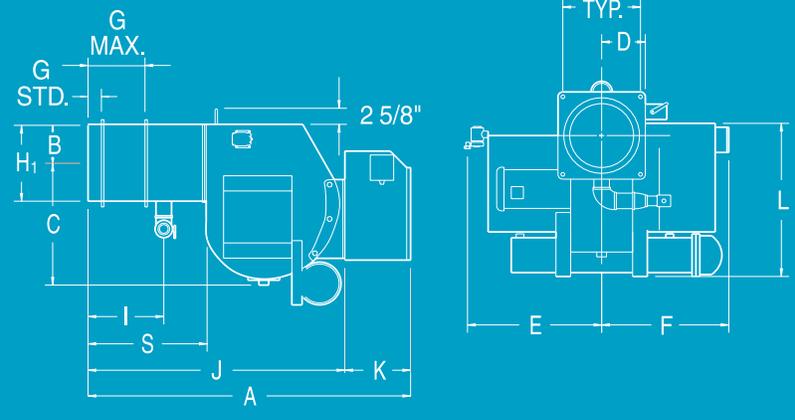
TOTAL ACCESS PANELS OR GRAPHIC MANAGEMENT SYSTEMS



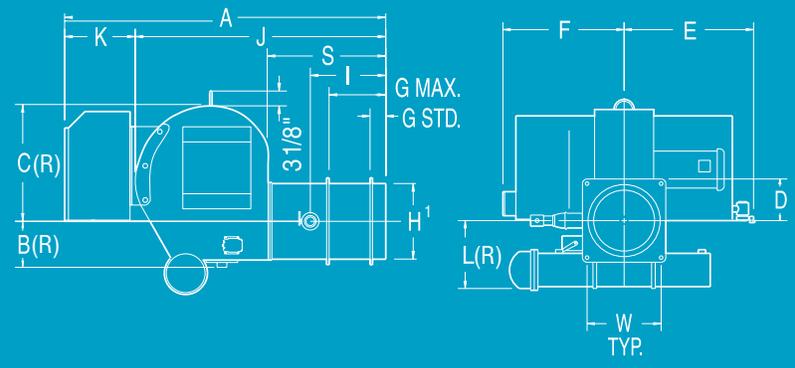
Power Flame's unique swing out front panel and top panel provides total access to all mounted components.
Patented

The Director® Graphic Management System gives a visual readout of system operations.
Optional.

MODEL C CONFIGURATION



MODEL CR CONFIGURATION



NOTE: If clearance problems exist, preheater can be relocated.
NOTE: Use (R) dimensions for reversed model.

DIMENSIONS (Inches) Standard Models.

Burner Model	A	B	B(R)	C	C(R)	D	E	F	G Std	G Max ¹	H ¹	I	J	K	L	L(R)	S	W
HAC3	42 ³ / ₈	5 ¹ / ₄	6 ¹ / ₂	16 ³ / ₄	15 ¹ / ₈	6	20	21	3	4 ⁵ / ₈	9 ⁵ / ₈	10 ¹ / ₄	32 ³ / ₈	10	17 ³ / ₈	9 ¹ / ₄	14 ³ / ₈	10
HAC4	46	6 ¹ / ₄	7 ¹ / ₂	18 ³ / ₄	17 ¹ / ₄	7	20	21	3 ¹ / ₂	6	11 ⁵ / ₈	11 ⁵ / ₁₆	36 ¹ / ₂	9 ¹ / ₂	21 ¹ / ₈	10 ¹ / ₄	16 ³ / ₈	12
HAC5	46	6 ¹ / ₄	7 ¹ / ₂	18 ³ / ₄	17 ¹ / ₄	7	20	21	3 ¹ / ₂	6	11 ⁵ / ₈	11 ⁵ / ₁₆	36 ¹ / ₂	9 ¹ / ₂	21 ¹ / ₈	10 ¹ / ₄	16 ³ / ₈	12
HAC6	46	6 ¹ / ₄	7 ¹ / ₂	18 ³ / ₄	17 ¹ / ₄	7 ³ / ₄	20	21	5 ⁵ / ₁₆	6	13 ⁵ / ₈	11 ⁵ / ₁₆	36 ¹ / ₂	9 ¹ / ₂	21 ¹ / ₈	10 ¹ / ₄	16 ³ / ₈	13 ¹ / ₂

1. Add 3/8" to "H" for size of opening in boiler front plate.
(Key slot required for scanner pipe when insertion greater than "G STD" is used.)

RATINGS AND SPECIFICATIONS

Nominal Capacity #6 Oil GPH ₂	CAPACITY ¹ Nominal Boiler H.P. (Maximum) Furnace Pressure		Natural Gas MBH Maximum	Burner Model Number	Blower Motor HP	Remote Pump Motor HP		Compressor Motor HP			Oil Heater KW		
	Maximum	-.05 WC				+.5 WC	#2-4	#5-6	#2	#4	#6	#4	#6
28	100		95	4200	HAC3-GO*	3	1/3 [†]	1/3	1 1/2	1 1/2	2	3	2
36.4	130		124	5460	HAC4-GO-A*	3	1/3 [†]	1/3	1 1/2	1 1/2	2	3	3
42	150		143	6300	HAC4-GO-B*	5	1/3 [†]	1/3	1 1/2	1 1/2	3	4	3
49	175		166	7350	HAC4-GO-C*	5	1/3 [†]	1/3	1 1/2	1 1/2	3	4	3
56	200		190	8400	HAC5-GO*	5	1/2	1/3	2	3	3	5	4
77	275		261	11600	HAC6-GO*	7.5	1/2	1/3	2	3	3	6	5

1. Fuel input capacities based on -.05" wc.
Boiler HP at both ratings based on 80% efficiency.
2. Based on 150,000 BTU/Gallon;
for #4 oil 145,000 BTU/Gallon multiply by 1.02,
for #2 oil 140,000 BTU/Gallon multiply by 1.07.
* Insert #2, #4, or #6 grade of fuel.
† Integral oil pump for #2 oil.



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