

ProFire XLG Series Product Information
Horizontal Configuration
Straight Gas
67.2 - 92.4 MMBtu



The XL series straight gas burner is a forced draft packaged burner system. A backward curved impeller provides combustion air for various furnace pressures or high altitude applications. The rear-access cover is hinged for convenient inspection or service of the firing head components. Efficient gas combination is attained by entering gas through ports ahead of the diffuser providing superior mixing of gas and air. The main gas train components are shipped loose.

STANDARD EQUIPMENT

- 120/1/60 Control Circuit
- Panel Signal Lights: Power On, Main Fuel, Ignition, and Flame Failure
- Burner Mounted Junction Box w/Remote Panel
- Combustion Air Proving Switch
- Air Dampers w/Silencer
- Burner Mounting Flange
- Gas-Electric Ignition
- Hinged Rear Access Cover



SERIES FEATURES

S = STANDARD
O = OPTIONAL
N/A = NOT AVAILABLE

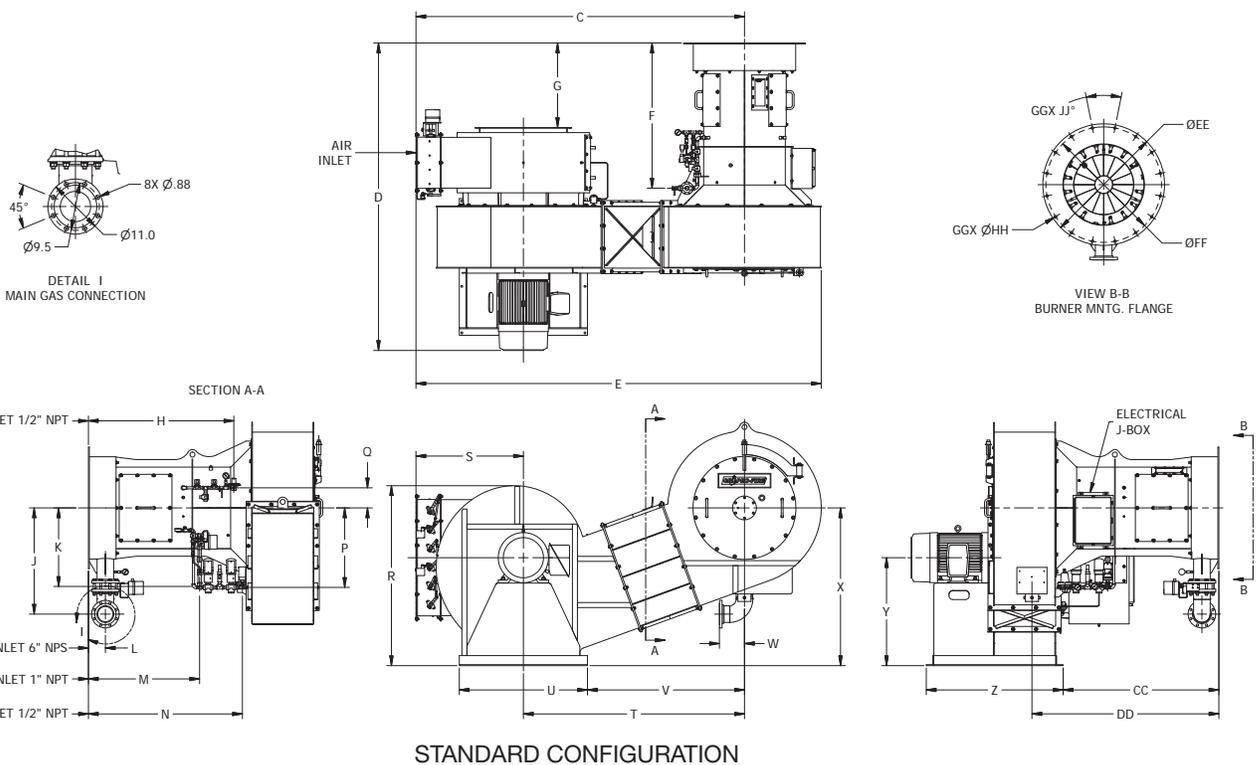
	XLG-672	XLG-756	XLG-840	XLG-924
Flame Safeguard with UV Scanner (IR Scanner Available)	S	S	S	S
1800 RPM Combustion Fan	S	S	S	S
Full Modulation Firing	S	S	S	S
Parallel Positioning System	S	S	S	S
Dry Oven	O	O	O	O
O ₂ Trim	O	O	O	O
Variable Frequency Drive (VFD)	O	O	O	O
High & Low Gas Pressure Switches	S	S	S	S
Normally Open (N.O.) Vent Valve	S	S	S	S
Main Gas Regulator & (2) Gas Shutoff Cocks	S	S	S	S
Gas Flow Control Valves Mounted on Burner Piping	S	S	S	S

SPECIFICATIONS & DIMENSIONS

BURNER MODEL	FRAME SIZE	GAS INPUT (MBH)	BHP @ 80% EFF.	MOTOR HP	BLOWER MOTOR VOLT/ PH 60 HZ.	FURNACE PRESS. ("W.C.)	GAS PRESSURE REQUIRED (PSI)
XLG-672	3	67,200	1,600	75	460/3	6.3	10
XLG-756	3	75,600	1,800	75	460/3	6.6	10
XLG-840	3	84,000	2,000	100	460/3	6.7	10
XLG-924	3	92,400	2,200	100	460/3	6.8	10

NOTES:

- Gas input based on natural gas at 1,000 Btu/cu.ft. and 0.60 gravity.
- Gas pressure based on zero furnace pressure. For total pressure at manifold, add furnace pressure.
- Boiler overall efficiency of 80% estimated.
- Blower wheel and motor HP is based on altitude up to 2,000 ft. above sea level. For higher altitude or 50 Hz. applications, consult factory.
- Firing at higher furnace pressures de-rates the burner by approximately 5% per 1/2" of additional pressure, consult factory.
- 900-1,500 HP models are available, consult factory.
- Other motor voltages available, consult factory.



BURNER MODEL	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
SIZE 3	130 3/4	122 1/2	161 3/8	58	33 3/4	58	42 3/8	31 3/8	6 7/8	44 3/8	61 3/8	31 3/4	8	71 3/4	42 7/8

BURNER MODEL	T	U	V	W	X	Y	Z	CC	DD	EE	FF	GG	HH	JJ
SIZE 3	88	51	62 1/2	10	62 7/8	43	54 1/2	62	74 1/2	48 1/2	46	16	1	22 1/2°