

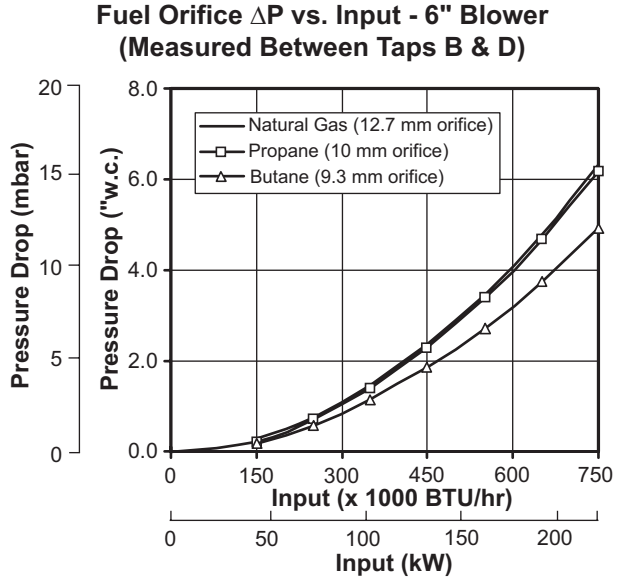
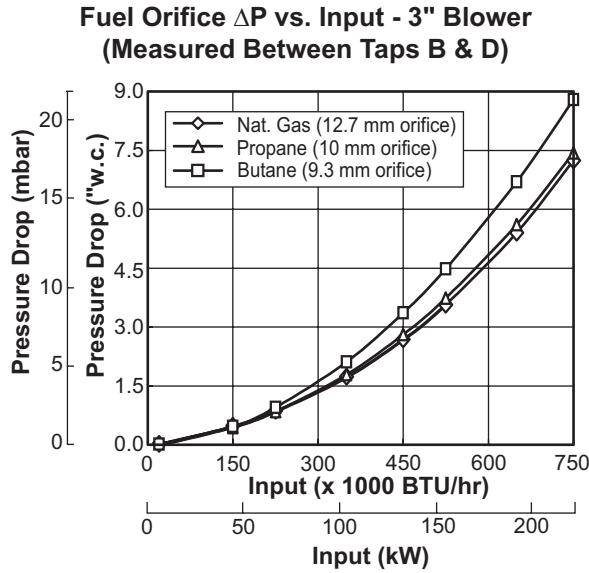
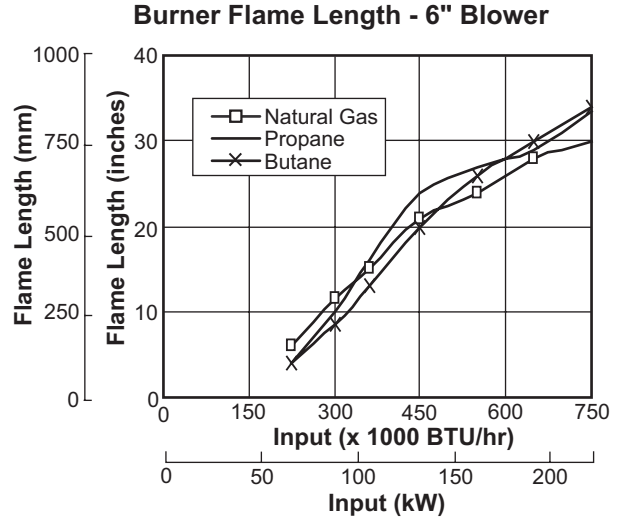
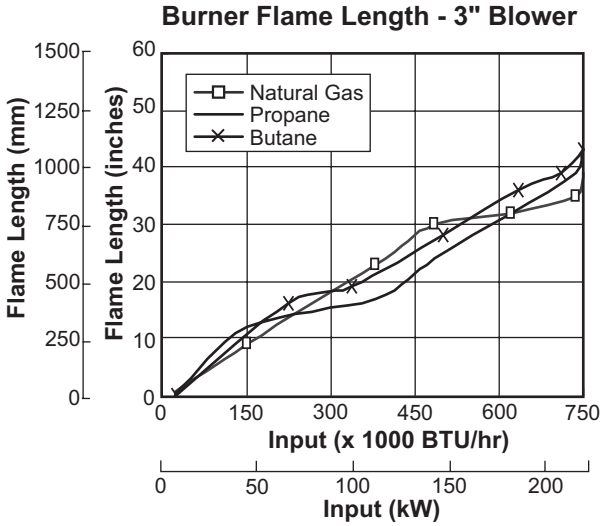
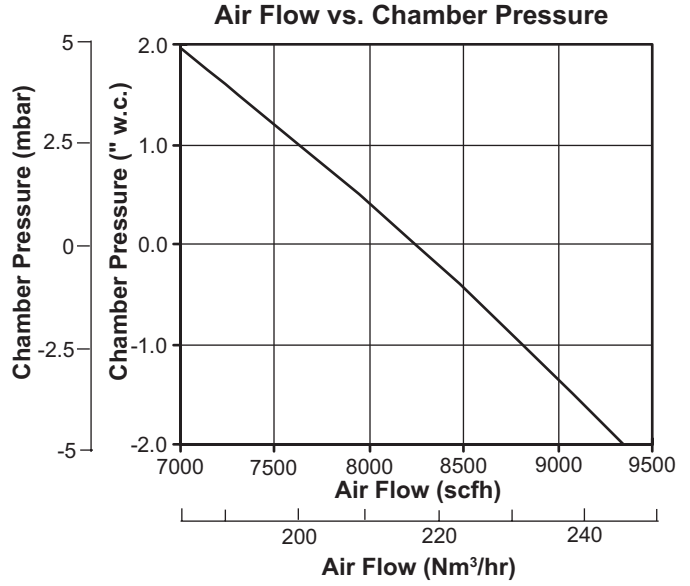
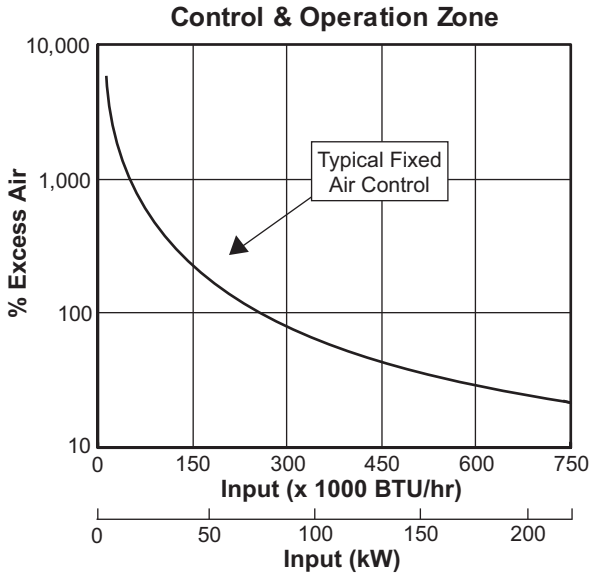
Eclipse ThermAir Burners

Model TA075
Version 1

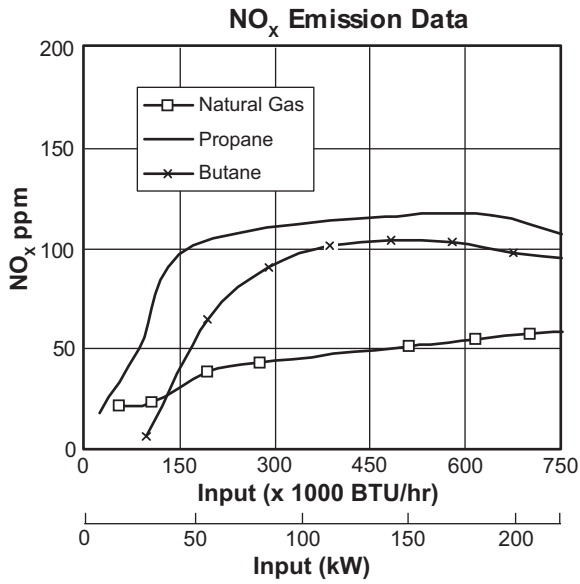
Parameter		Blower Size							
Maximum Input (BTU/hr)	Frequency	3" w.c. Packaged*				6" w.c. Packaged			
		Capacity at Chamber Pressure				Capacity at Chamber Pressure			
	60 Hz Packaged Blower	BTU/hr	" w.c.	kW	mbar	BTU/hr	" w.c.	kW	mbar
		805,000	-1.0	236	-2,5	814,000	-1.0	238	-2,5
		750,000	0.0	220	0,0	750,000	0.0	220	0,0
	691,000	1.0	202	2,5	705,000	1.0	206	2,5	
50 Hz Packaged Blower	Not Available				822,000	-1.0	241	-2,5	
					771,000	0.0	226	0,0	
					716,000	1.0	210	2,5	
Minimum Input		BTU/hr		kW		BTU/hr		kW	
	Natural Gas	14,000		4,1		25,000		7,3	
	Propane	18,000		5,3		25,000		7,3	
	Butane	23,000		6,7		25,000		7,3	
Main Gas Inlet Pressure <i>Fuel pressure at gas inlet (Tap B)</i>		" w.c.		mbar		" w.c.		mbar	
	Natural Gas	6.6		16,4		6.5		16	
	Propane	7.2		17,9		6.8		17	
	Butane	8.0		19,9		6.9		17	
High Fire Flame Length <i>Measured from outlet end of combustor</i>		inches		mm		inches		mm	
	Natural Gas	39		990		30		762	
	Propane	43		1092		32		813	
	Butane	43		1092		32		813	
Maximum Chamber Temperature <i>Note: For higher temperatures, contact Eclipse.</i>		Tube		°F		°C			
		Alloy Tube		1500		820			
		SiC Tube		1900		1040			
Flame Detection		Flame rod or UV scanner							
Fuel		Natural gas, propane, or butane <i>For any other gas, contact Eclipse.</i>							

- * Ratio regulator is not available with 3" blower.
- All information is based on laboratory testing in neutral (0.0" w.c.) chamber with standard combustion design. Different chamber conditions and/or combustor design will affect the data.
- Maximum inputs are given for the standard combustion air blower without an air filter.
- All inputs based upon gross calorific values and standard conditions: 1 atmosphere, 70°F (21°C).
- Blower motor service factors greater than 1.0 may be required when firing into negative chamber pressure applications. For specific application questions, contact Eclipse.
- Eclipse reserves the right to change the construction and/or configuration of our products at any time without being obliged to adjust earlier supplies accordingly.

Performance Graphs



Performance Graphs



Notes on Emission Data

NO_x emission data is given for:

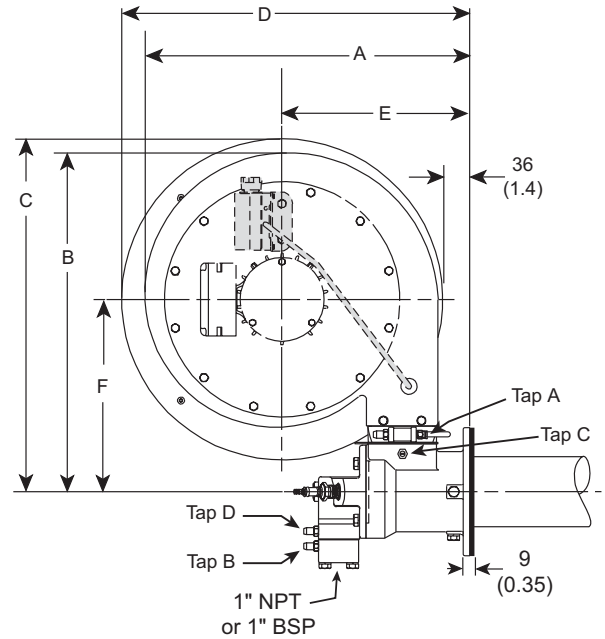
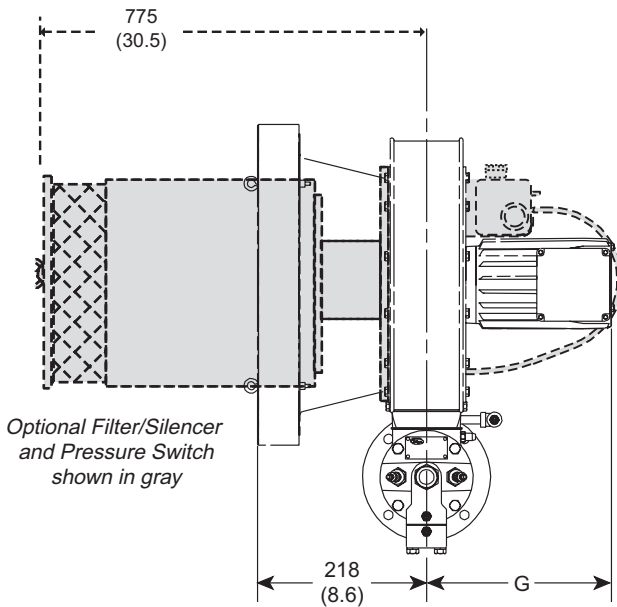
- Ambient combustion air ~70° F (20° C)
- Minimal process air velocity
- ppm volume dry at 3% O₂
- Neutral chamber pressure

Emissions are influenced by:

- Chamber conditions
- Fuel type
- Firing rate
- Combustion air temperature

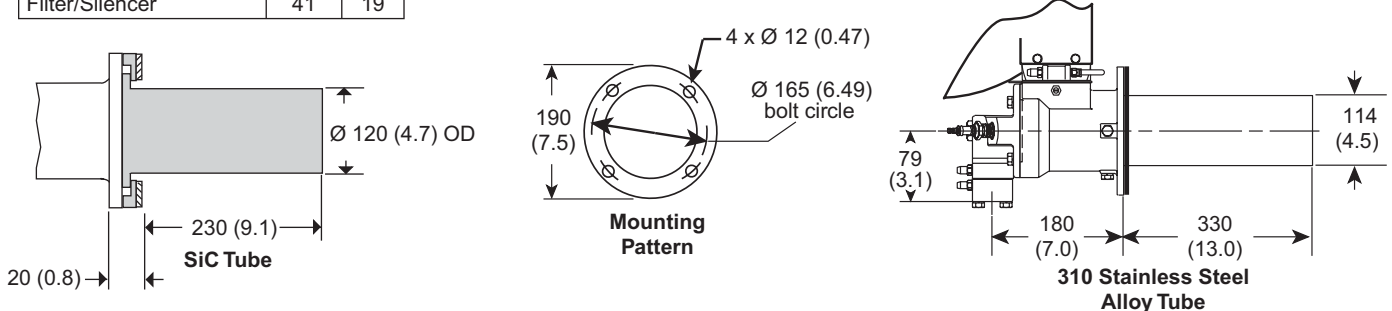
CO emission is largely influenced by chamber conditions. Contact Eclipse for an estimate of CO emission on your application.

Dimensions mm (inches)

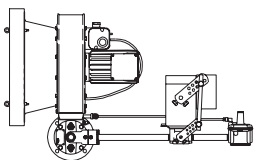
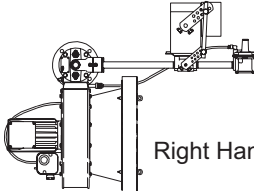
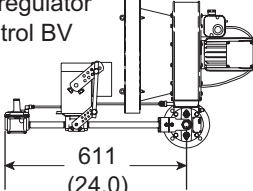
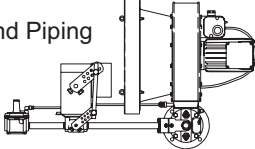
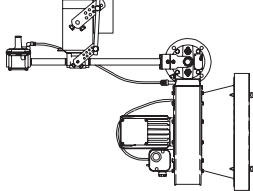
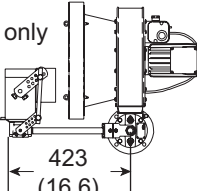
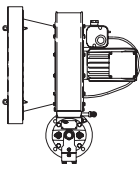
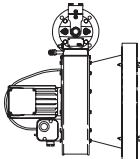
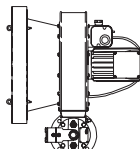


Port Connection		
Spark Plug	14mm	
Flamerod or Scanner	0.5" NPT	
Peepsight	0.75" NPT	
Weights		
	lbs	kg
Burner with blower	78	35
Burner less blower	31	14
Filter/Silencer	41	19

Hz	A		B		C		D		E		F		G	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
50	484	19.0	532	20.9	N/A	N/A	N/A	N/A	272	10.7	309	12.2	291	11.5
60	424	16.7	473	18.6	482	19.0	447	17.6	243	9.5	279	11.0	291	11.5
Blower 3" w.c.														
60	338	13.3	393	15.5	N/A	N/A	N/A	N/A	202	7.9	234	9.2	192	7.6



Piping

Orientation		Piping Options
Upright	Inverted	
<p>Right Hand Piping</p> 	<p>Right Hand Piping</p> 	<p>With ratio regulator and control BV</p>  <p>611 (24.0)</p>
<p>Left Hand Piping</p> 	<p>Left Hand Piping</p> 	<p>With control BV only</p>  <p>423 (16.6)</p>
<p>No Piping</p> 	<p>No Piping</p> 	<p>Less ratio regulator and control BV</p> 



Offered By:

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