

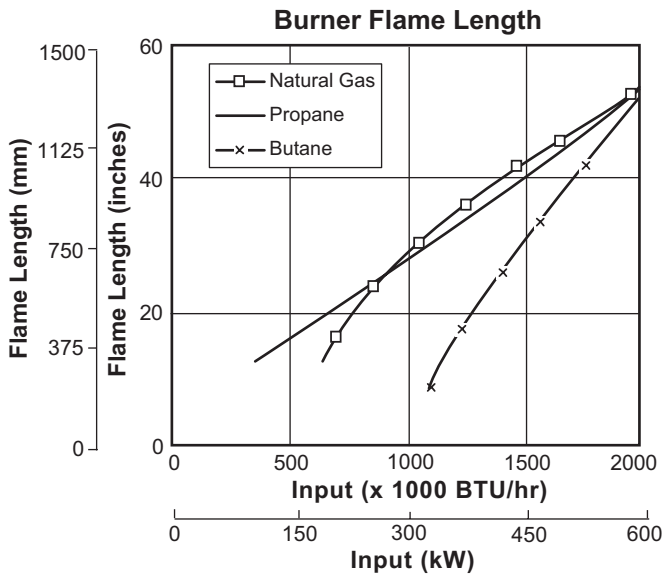
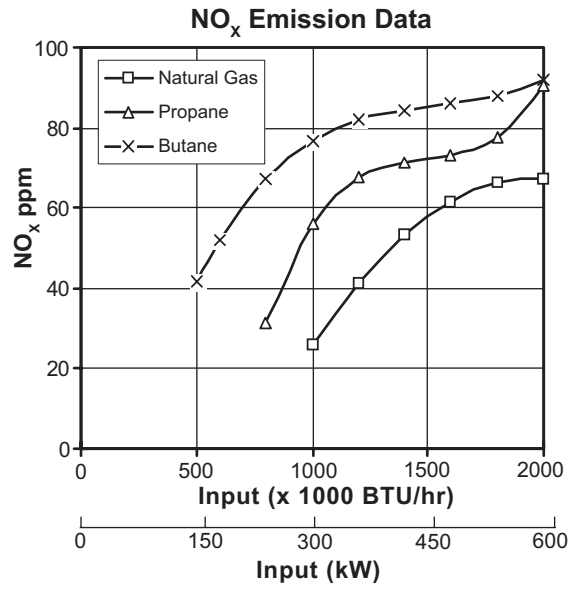
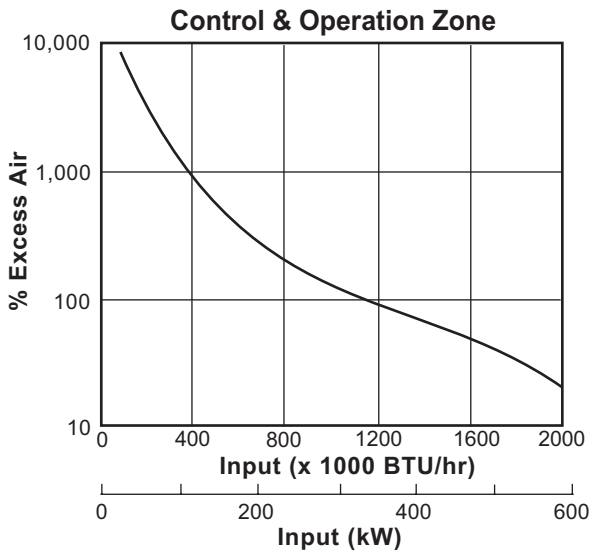
Eclipse ThermAir Burners

Model TA200
Version 1

Parameter		Specifications			
Maximum Input (BTU/hr) <i>(To maintain 15% air with the standard air orifice and standard combustion air blower.)</i>	Frequency	BTU/hr	" w.c.	kW	mbar
	60 Hz Packaged Blower	2,071,000	-1.0	607	-2,5
		2,000,000	0.0	586	0,0
		1,871,000	1.0	548	2,5
	50 Hz Packaged Blower	2,235,000	-1.0	655	-2,5
		2,066,000	0.0	605	0,0
2,028,000		1.0	594	2,5	
Minimum Input <i>Natural Gas, Propane, Butane</i>		BTU/hr		kW	
		66,000		19,4	
Main Gas Inlet Pressure <i>Fuel pressure at gas inlet (Tap B)</i>		" w.c.		mbar	
<i>Natural Gas</i>		9.4		23	
<i>Propane</i>		9.8		24	
<i>Butane</i>		9.8		24	
High Fire Flame Length <i>Measured from outlet end of combustor</i>		inches		mm	
<i>Natural Gas</i>		54		1370	
<i>Propane</i>		54		1370	
<i>Butane</i>		53		1345	
Maximum Chamber Temperature <i>Note: For higher temperatures, contact Eclipse.</i>		Tube	°F	°C	
		Alloy Tube	1500	820	
		SiC Tube	1900	1040	
Flame Detection		UV scanner only			
Fuel		Natural gas, propane, or butane <i>For any other gas, contact Eclipse.</i>			

- 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



Notes on Emission Data

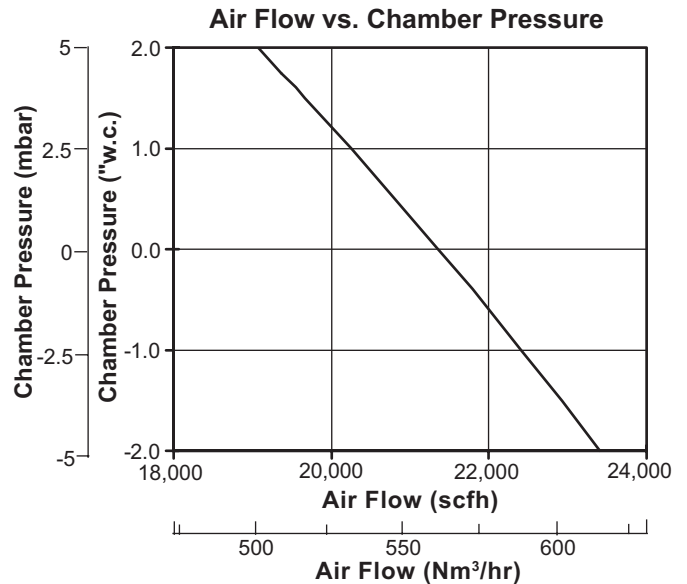
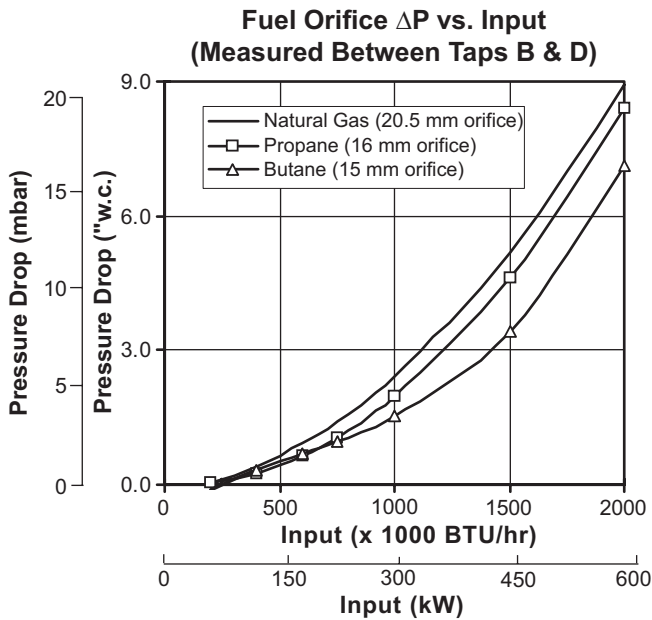
NO_x emission data is given for:

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

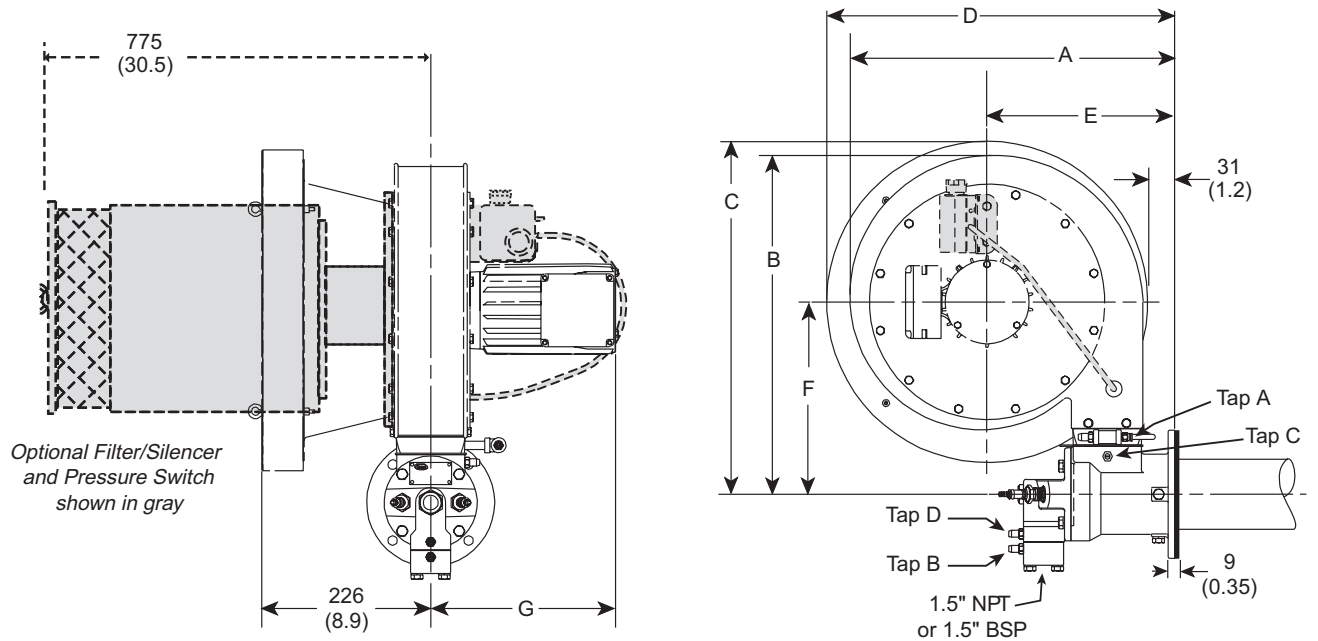
Emissions are influenced by:

- 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.

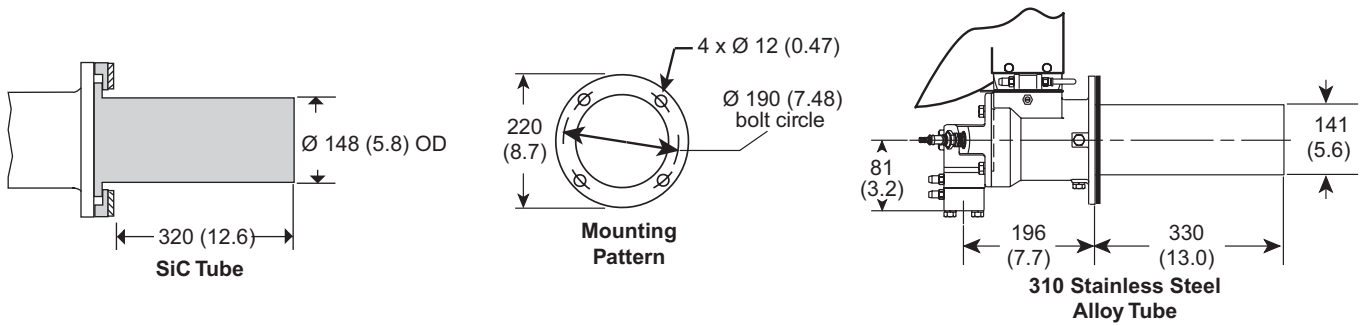


Dimensions mm (inches)

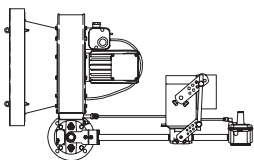
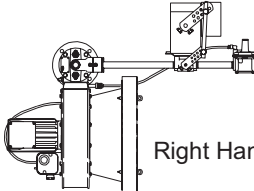
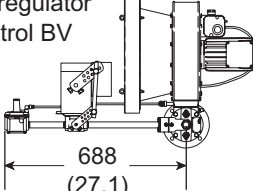
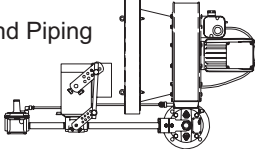
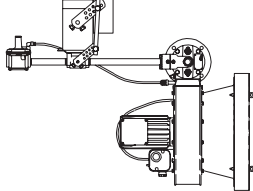
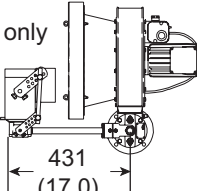
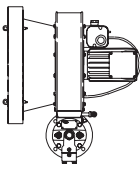
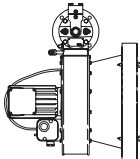
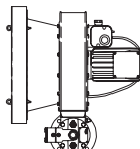


Port Connection		
Spark Plug	14mm	
Flamerod or Scanner	0.5" NPT	
Peepsight	0.75" NPT	
Weights		
	lbs	kg
Burner with blower	99	45
Burner less blower	46	21
Filter/Silencer	41	19

Blower 10" w.c.														
	A		B		C		D		E		F		G	
Hz	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
50	586	23.1	669	26.3	N/A	N/A	N/A	N/A	322	12.7	392	15.4	290	11.4
60	503	19.8	577	22.7	608	23.9	565	22.2	283	11.1	342	13.5	298	11.7



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>688 (27.1)</p>
<p>Left Hand Piping</p> 	<p>Left Hand Piping</p> 	<p>With control BV only</p>  <p>431 (17.0)</p>
<p>No Piping</p> 	<p>No Piping</p> 	<p>Less ratio regulator and control BV</p> 



Offered By:

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