



# ThermAir Burners

Model TA200

Version 1.10

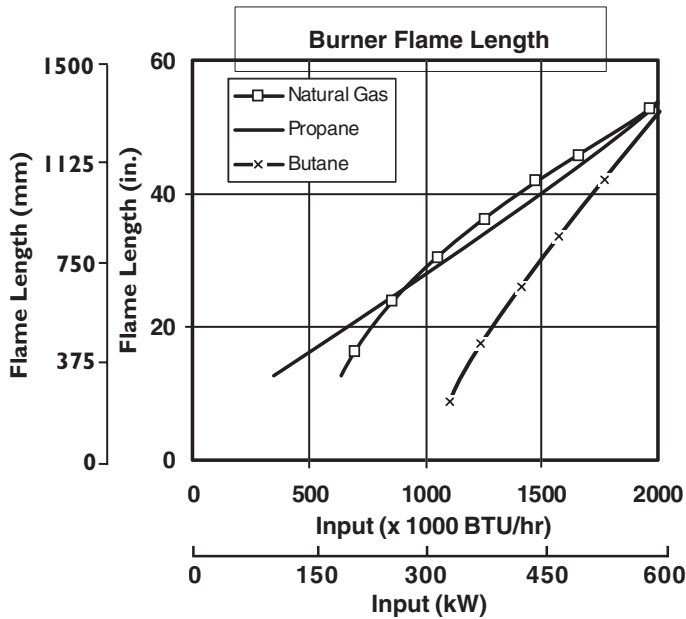
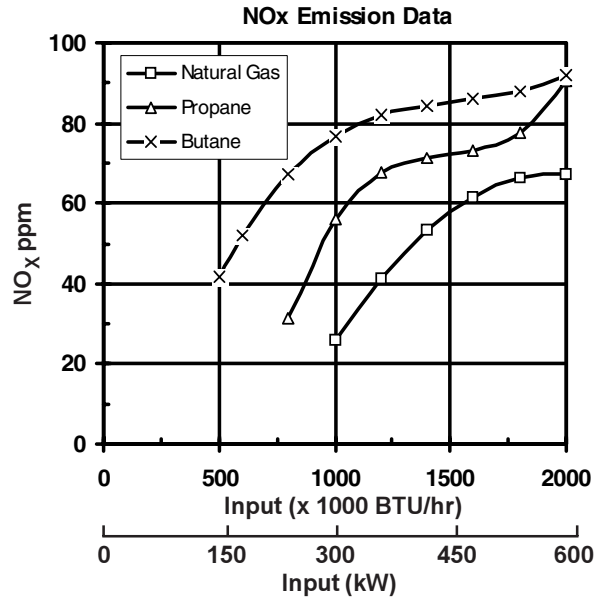
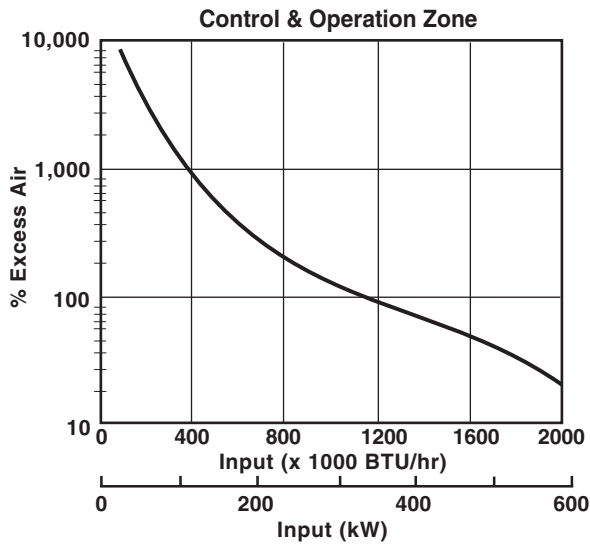
## Main Specifications - TA200

PARAMETER	SPECIFICATIONS				
<b>Maximum input</b>  <i>(To maintain 15% excess air with the standard air orifice and standard combustion air blower.)</i>	<b>Frequency</b>	<b>Btu/hr</b>	<b>"w.c.</b>	<b>kW</b>	<b>mbar</b>
	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	
<b>Minimum input</b> Natural Gas, Propane or Butane	BTU/hr		kW		
	66,000		19,4		
<b>Main gas inlet pressure</b> <i>• fuel pressure at gas inlet (Tap "B")</i>		"w.c.	mbar		
Natural Gas	9.4	23			
Propane	9.8	24			
Butane	9.8	24			
<b>High fire flame length</b> <i>• measured from the outlet end of combustor</i>		inches	mm		
Natural Gas	54	1370			
Propane	54	1370			
Butane	53	1345			
<b>Maximum Chamber Temperature</b> (Alloy & SIC Tubes) <i>Note: For higher temperatures, contact Eclipse.</i>	°F		°C		
	1500		815		
<b>Flame detection</b>	UV scanner only				
<b>Fuel</b>	Natural Gas, Propane or Butane. <i>(For any other mixed gas, contact Eclipse Combustion for orifice sizing.)</i>				

- All information is based on laboratory testing in neutral (0.0" w.c.) chamber with standard combustor 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 your Eclipse Combustion representative.
- 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

## ThermAir TA200



**Notes on emission data**

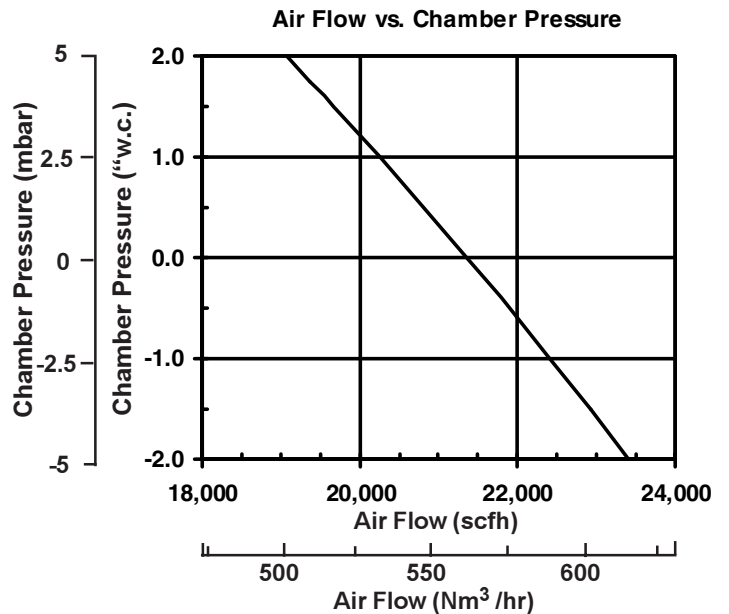
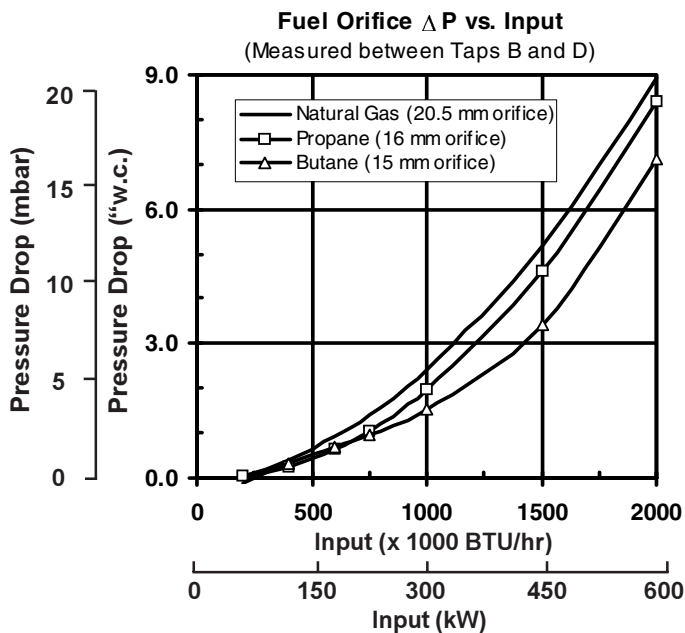
**NOx emission data is given for:**

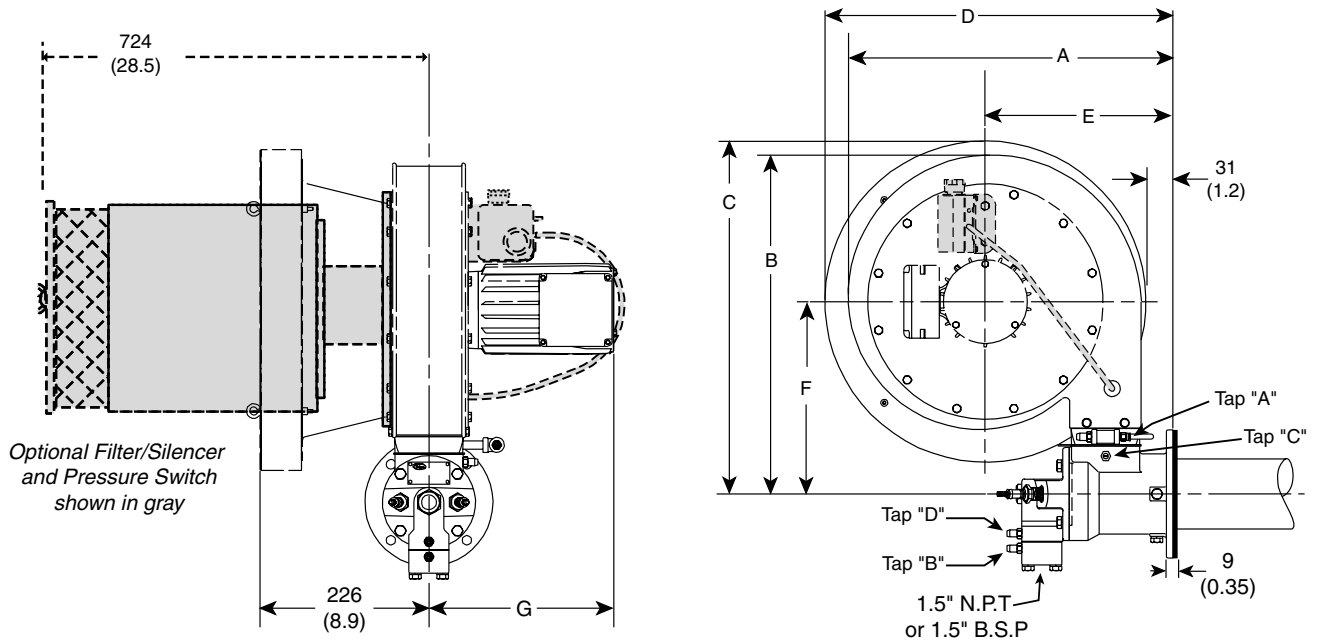
- Ambient combustion air ~70° F (20° C)
- Minimal process air velocity
- ppm volume dry at 3% O<sub>2</sub>
- Neutral chamber pressure

**Emissions are influenced by:**

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

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

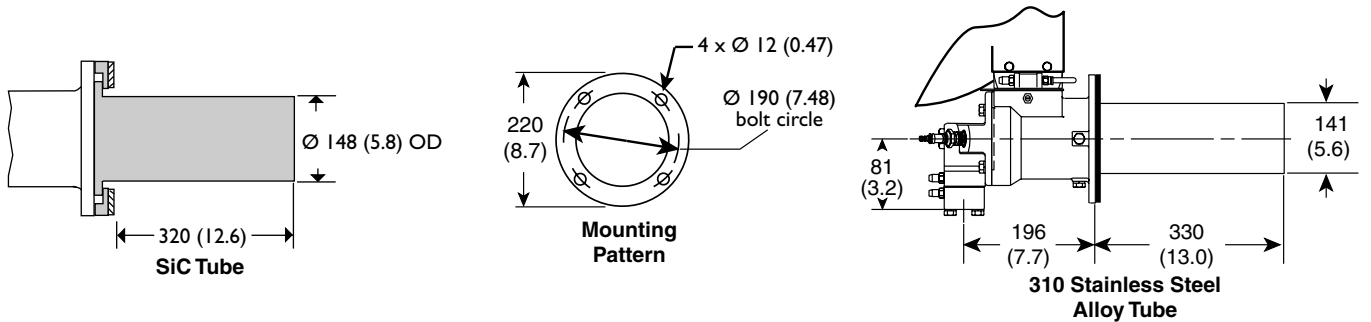




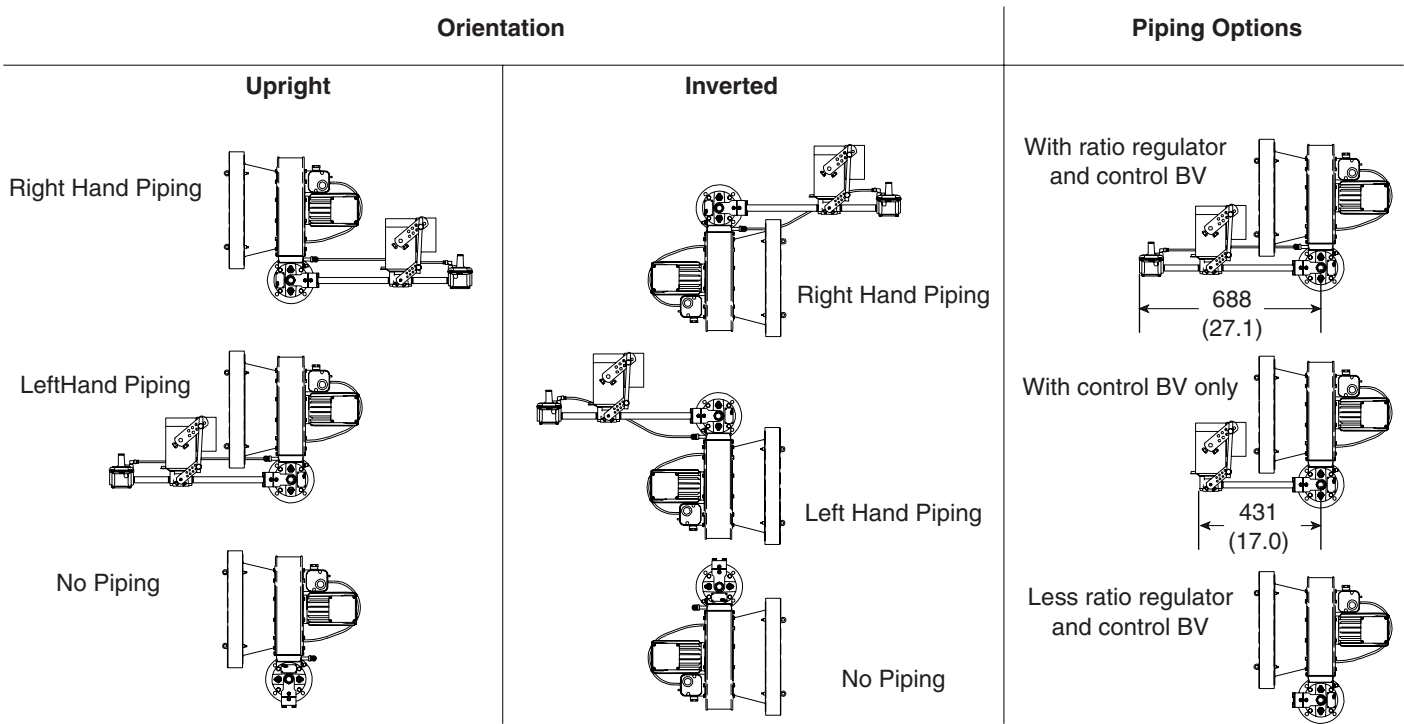
Port Connection	
Sparkplug	14mm
Flamerod or scanner	0.5" N.P.T.
Peepsight	0.75" N.P.T.

Weights		
	lb	kg
Burner, w/ blower	99	45
Burner, less blower	46	21
Filter/Silencer	41	19

Blower 10" w.c.														
Hz	A		B		C		D		E		F		G	
	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



**Eclipse Combustion**



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