



ThermAir Burners

Model TA015

Version 1.10

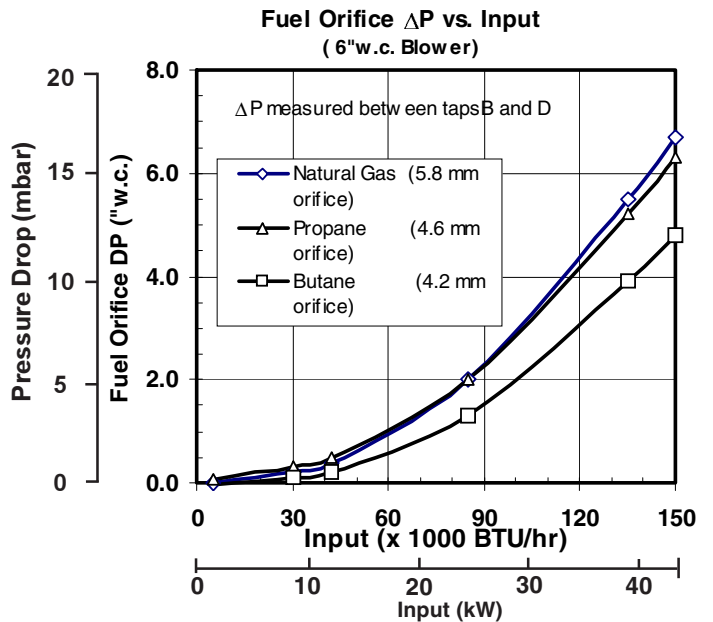
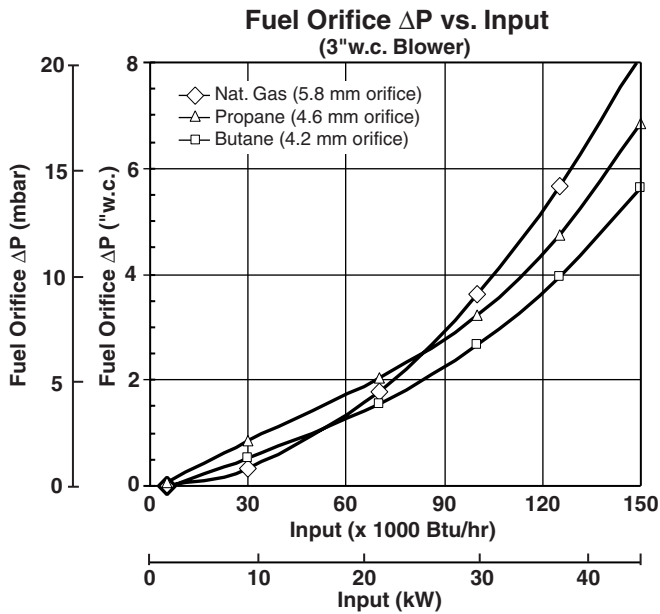
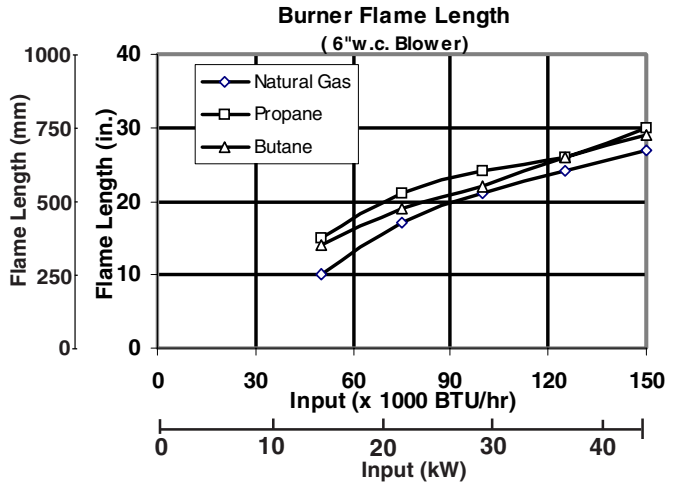
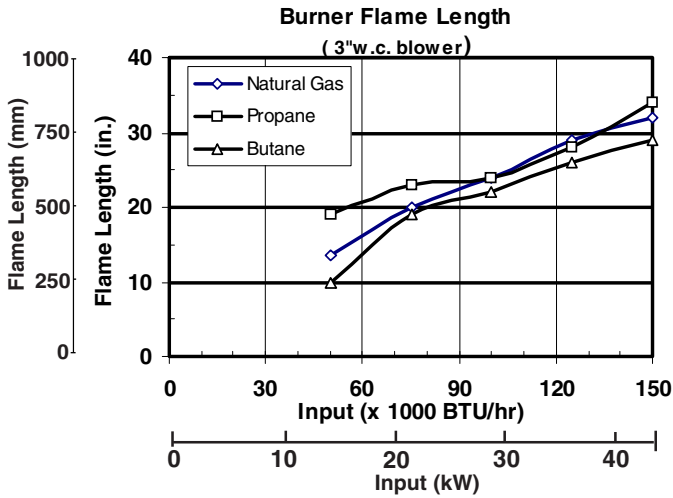
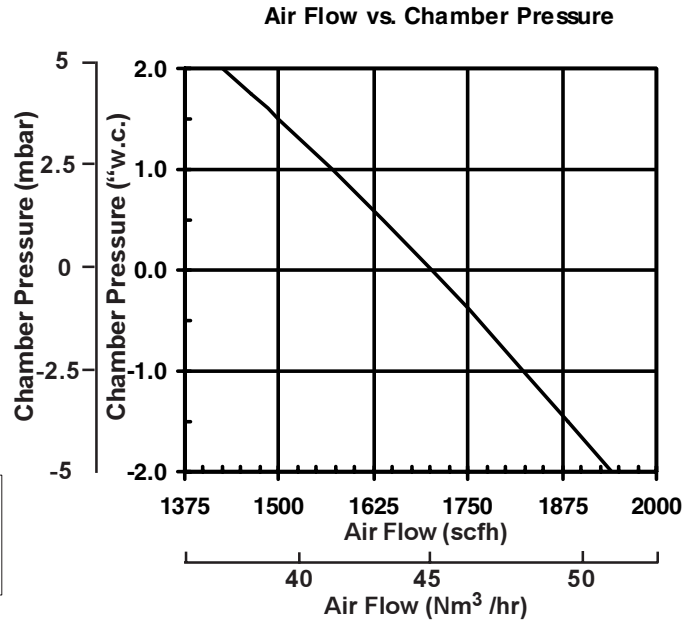
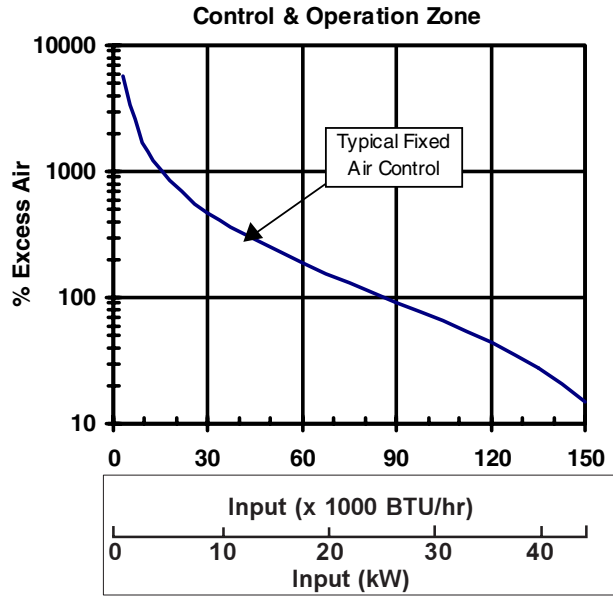
Main Specification – TA015

PARAMETER	BLOWER SIZE								
	Frequency	3"w.c. Packaged				6"w.c. Packaged			
		Capacity at Chamber Pressure				Capacity at Chamber Pressure			
Maximum input (Btu/hr)	60 Hz Packaged Blower	BTU/hr	"w.c.	kW	mbar	BTU/hr	"w.c.	kW	mbar
		170,000	-1.0	50	-2,5	168,000	-1.0	49	-2,5
		150,000	0.0	44	0,0	150,000	0.0	44	0,0
		127,000	1.0	37	2,5	145,000	1.0	42	2,5
	50 Hz Packaged Blower	Not Available				165,000	-1.0	48	-2,5
						155,000	0.0	45	0,0
						143,000	1.0	42	2,5
Minimum input Natural gas, Propane/Butane		BTU/hr		kW		BTU/hr		kW	
		5,000		1,5		5,000		1,5	
Main Gas Inlet Pressure • Fuel pressure at gas inlet (Tap "B")	Natural gas Propane/Butane	" w.c.		mbar		" w.c.		mbar	
		6.7		17		6.4		16	
		6.6		16		6.7		17	
High Fire Flame Length • Measured from the outlet end of combustor	Natural gas Propane/Butane	inches		mm		inches		mm	
		31.5		800		27		686	
		34.0		864		30		762	
Maximum Chamber Temperature (Alloy & SIC Tubes) <i>Note: For higher temperatures, contact Eclipse.</i>				°F		°C			
				1500		820			
Flame Detection	Flame rod or UV scanner								
Fuel	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

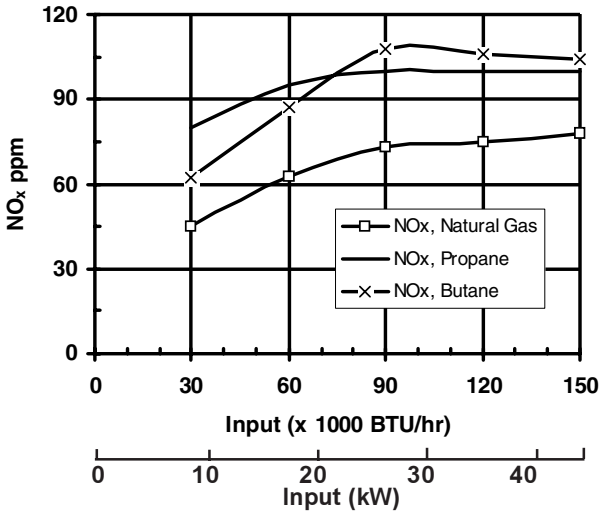
ThermAir TA015



Performance Graphs (Continued)

ThermAir TA015

NO_x Emission Data



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

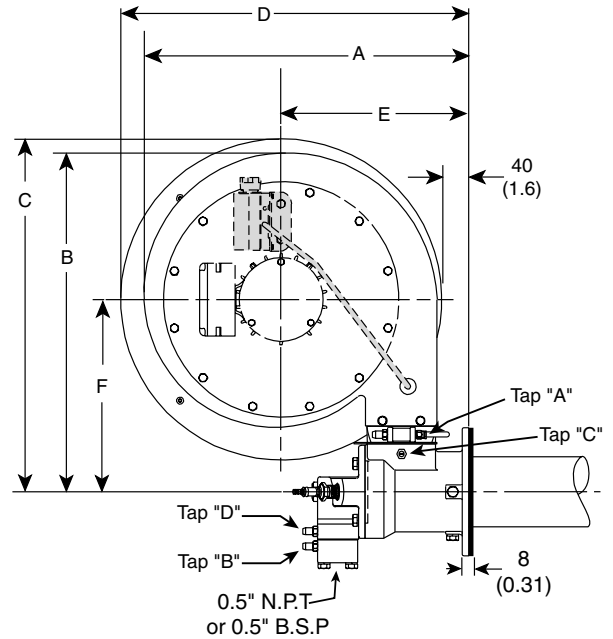
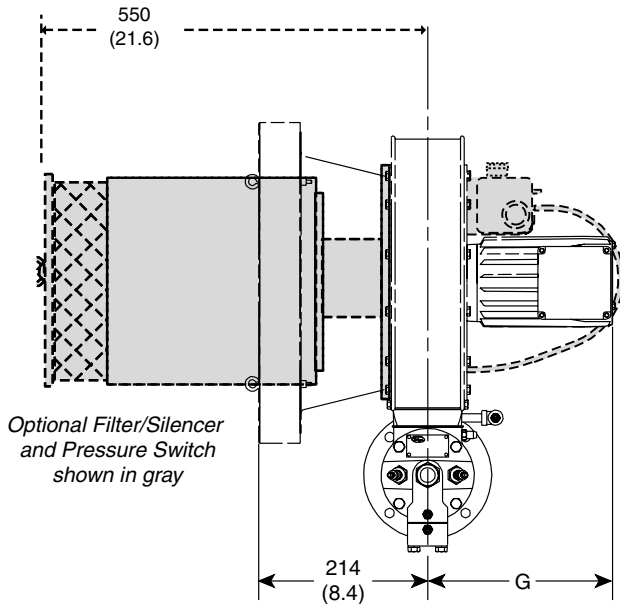
Emissions are influenced by:

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

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

Dimensions-TA015

mm (in)

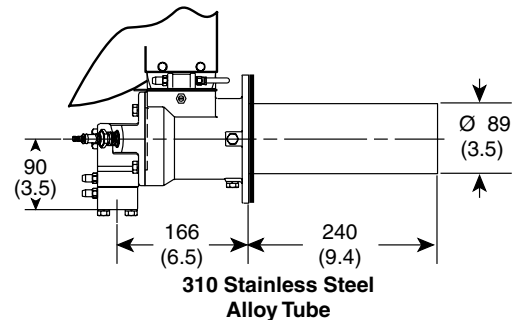
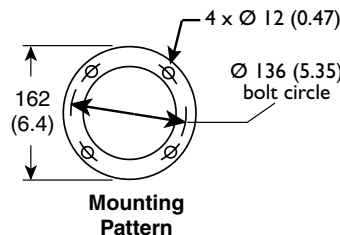
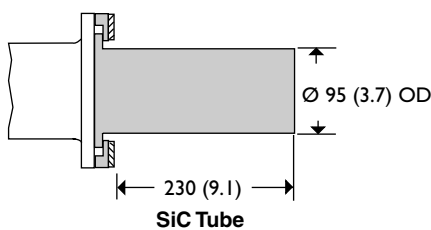


Port Connection	
Sparkplug	14mm
Flamerod or scanner	0.5" N.P.T.
Peepsight	0.75" N.P.T.

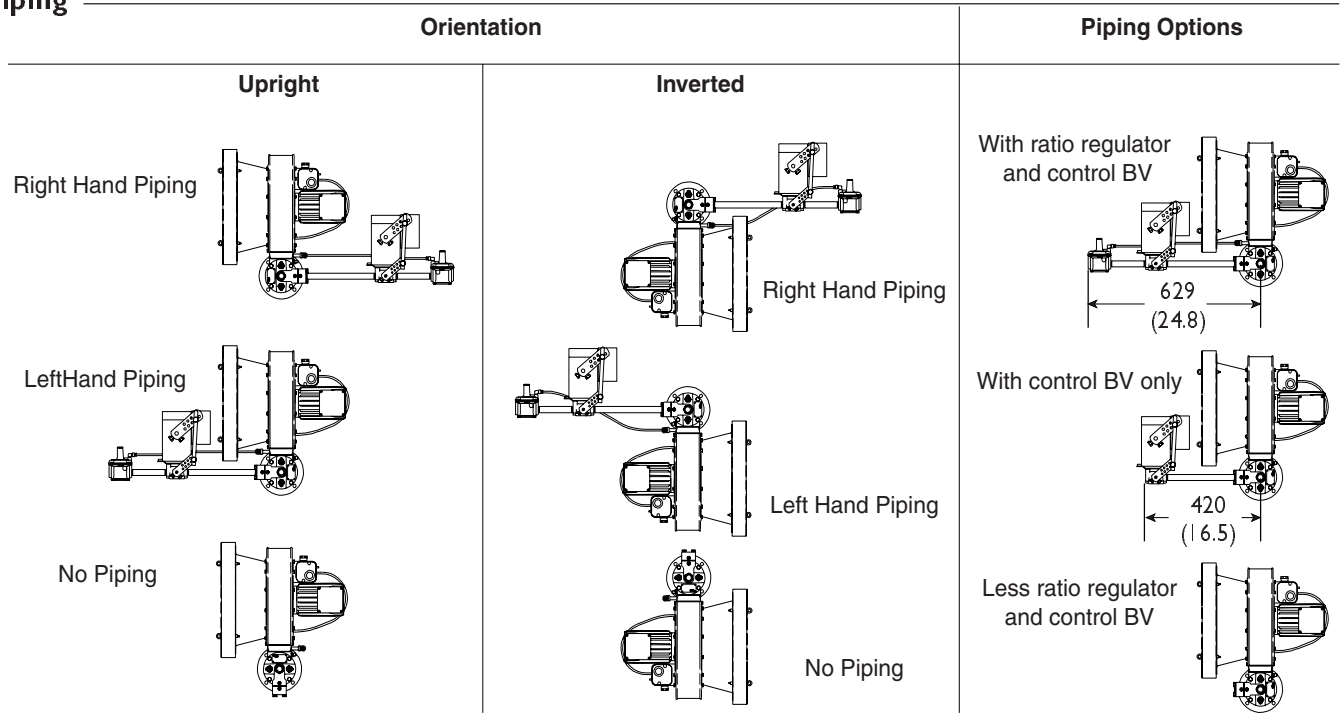
Weights		
	lb	kg
Burner, w/ blower	65	29
Burner, less blower	24	11
Filter/Silencer	21	10

Blower 6" 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	469	18.5	498	19.6	N/A	N/A	N/A	N/A	265	10.4	283	11.1	285	11.2
60	411	16.2	429	16.9	447	16.9	440	17.3	237	9.3	243	9.6	234	9.2

Blower 3" w.c.														
	A		B		C		D		E		F		G	
Hz	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
60	329	12.9	360	14.2	N/A	N/A	N/A	N/A	198	7.8	209	8.2	179	7.0



Piping



Eclipse Combustion

ISO 9001 Registered



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