



ThermAir Burners

Model TA300

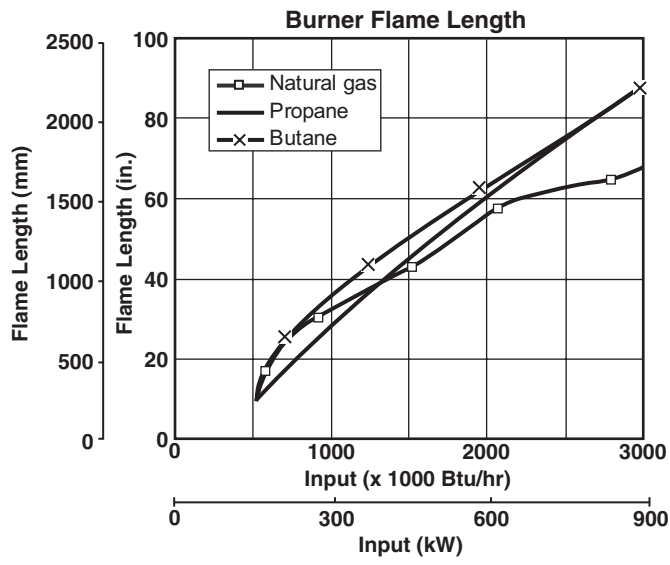
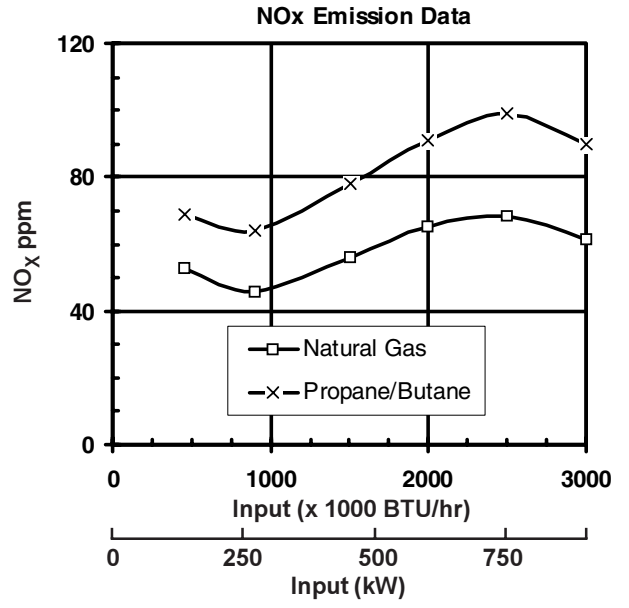
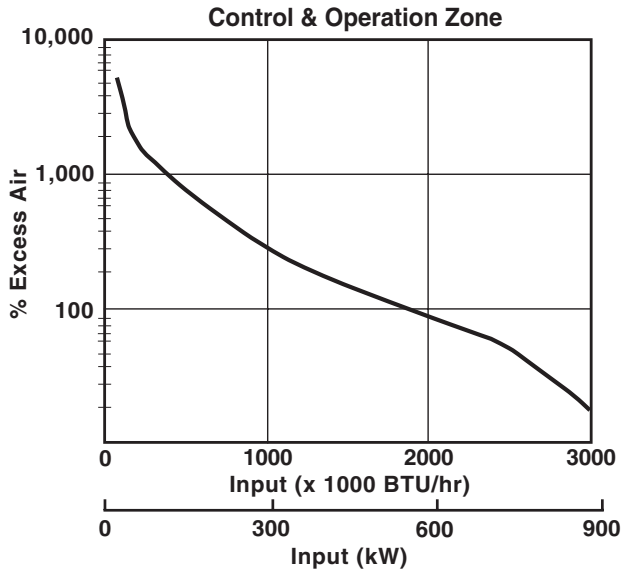
Version 1.10

Main Specifications - TA300

PARAMETER	SPECIFICATIONS				
	Frequency	Btu/hr	"w.c.	kW	mbar
Maximum input <i>(To maintain 15% excess air with the standard air orifice and standard combustion air blower.)</i>	60 Hz packaged blower	3,425,000	-1.0	1004	-2,5
		3,250,000	0.0	953	0,0
		3,098,000	1.0	908	2,5
	50 Hz packaged blower	3,544,000	-1.0	1038	-2,5
		3,384,000	0.0	991	0,0
		3,215,000	1.0	942	2,5
Minimum input Natural Gas, Propane or Butane		BTU/hr		kW	
		100,000		29,3	
Main gas inlet pressure <i>• fuel pressure at gas inlet (Tap "B")</i>		"w.c.		mbar	
Natural Gas		7.0		17	
Propane		7.7		19	
Butane		7.0		17	
High fire flame length <i>• measured from the outlet end of combustor</i>		inches		mm	
Natural Gas		68		1727	
Propane		88		2235	
Butane		88		2235	
Maximum Chamber Temperature (AlloyTubes & Block & Holder) <i>Note: For higher temperatures, contact Eclipse.</i>		°F		°C	
		1500		820	
Flame detection	UV scanner only				
Fuel	Natural Gas, Propane or Butane. <i>(For any other mixed gas, contact Eclipse 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 TA300



Notes on emission data

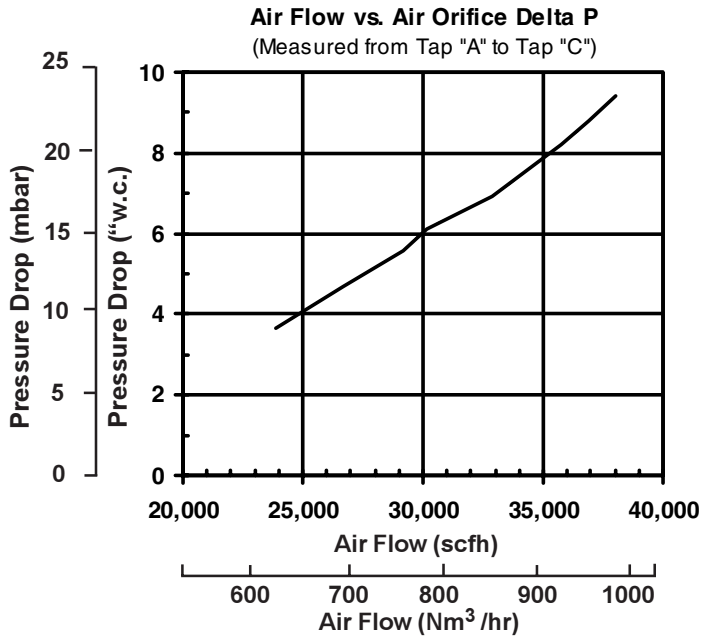
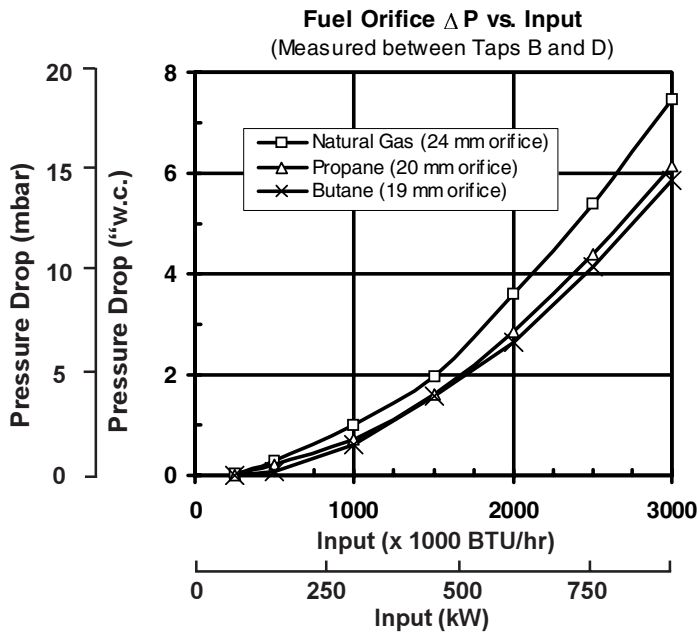
NOx emission data is given for:

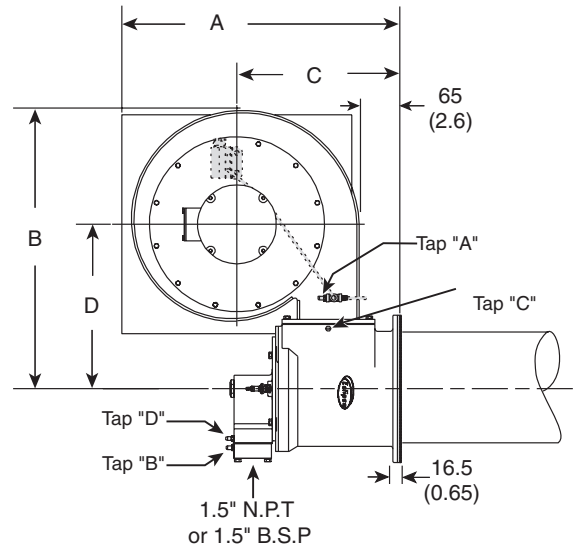
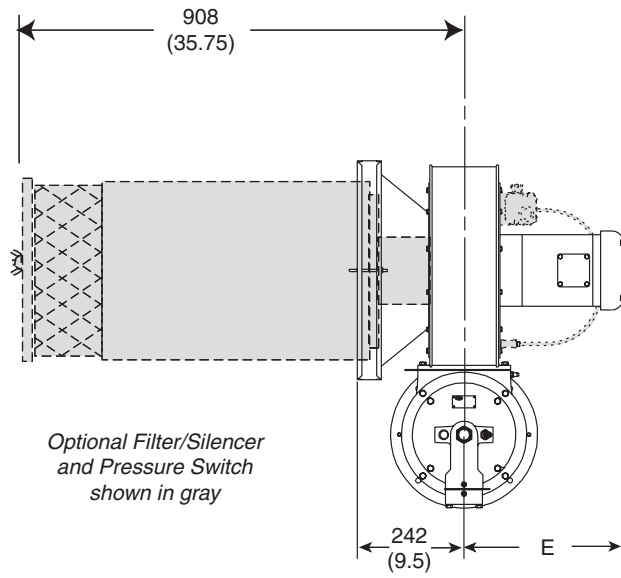
- Ambient combustion air ~70° F (20° C)
- Minimal process air velocity
- ppm volume dry at 3% O₂
- Neutral chamber pressure

Emissions are influenced by:

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

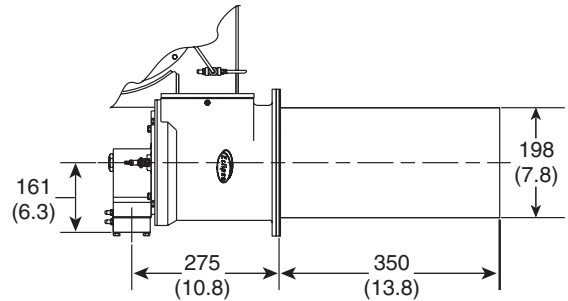
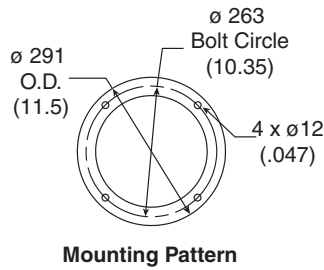
CO emission is largely influenced by chamber conditions. Contact your local Eclipse Combustion representative for an estimate of CO emission on your application.



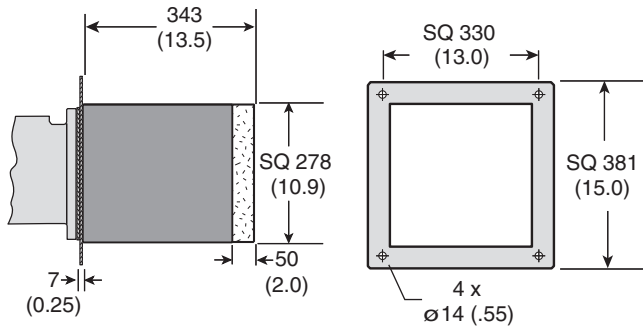


Port Connection	
Sparkplug	14mm
Flamerod or scanner	0.5" N.P.T.
Peepsight	0.75" N.P.T.

Weights		
	lb	kg
Burner, w/ blower	157	71
Burner, less blower	89	40
Filter/Silencer	52	24



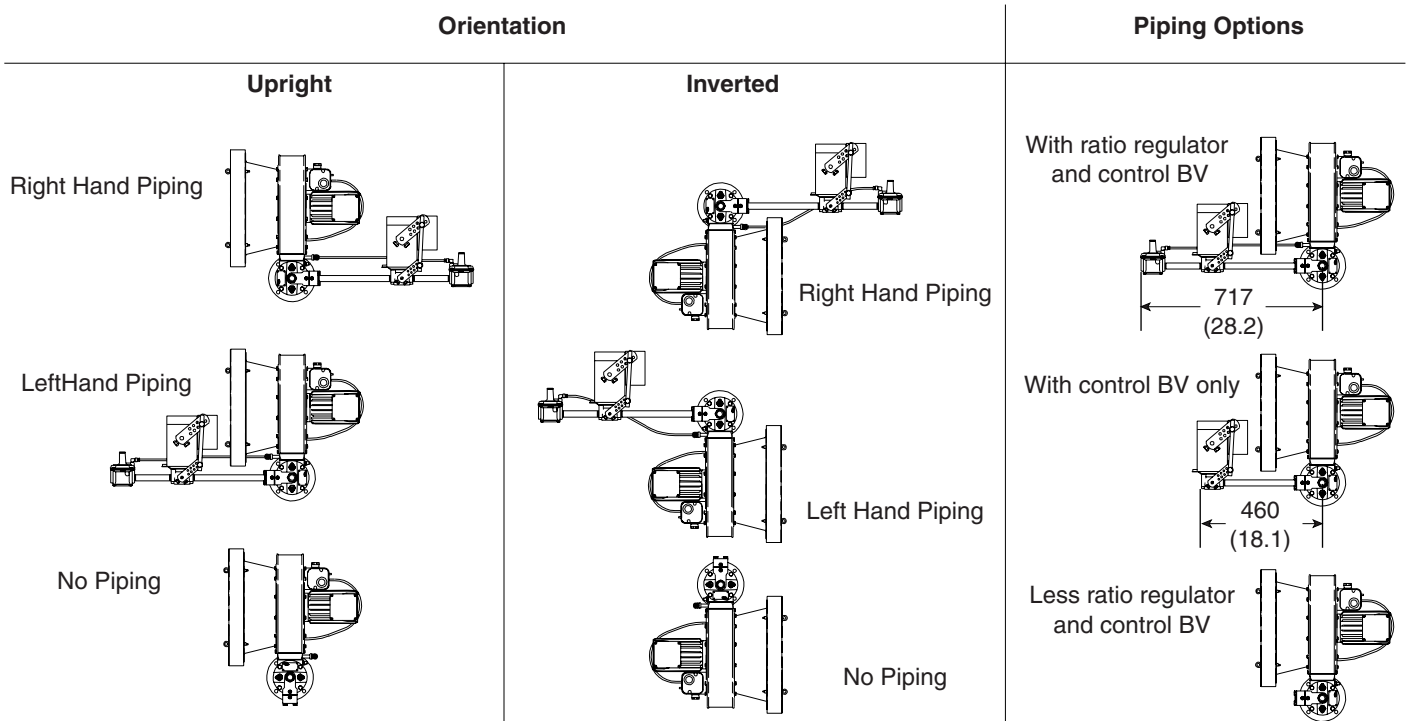
310 Stainless Steel Alloy Tube



Block & Holder

Blower 10" w.c.										
	A		B		C		D		E	
Hz	mm	in	mm	in	mm	in	mm	in	mm	in
50	614	24.2	636	25.0	359	14.1	367	14.4	362	14.3
60	597	23.5	582	22.9	331	13.0	342	13.5	333	13.1

Piping





Offered By:

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