Data 310-3 7/06



Tube Firing Burners

Model TFB200

Version 2

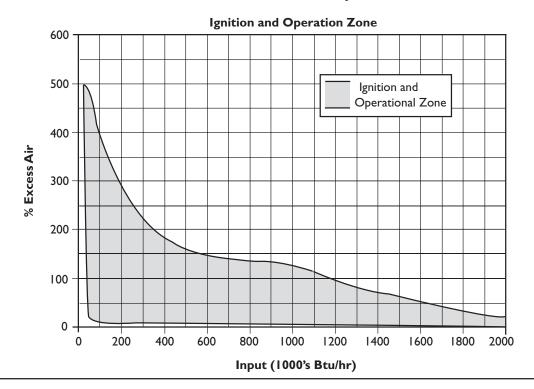
PARAMETER		BURNER INPUT (1000'S BTU/HR)						
		800	1000	1200	1400	1600	1800	2000
Low ring rate (1000's Btu/hr) At 100% excess air	Without U.V. scanner	25	25	25	25	25	25	25
	With U.V. scanner	50	50	50	50	50	50	50
Differential air pressure ("w.c.) between tapA and B (See Pages 3 & 4)		5.6	8.8	7.1	6.3	8.3	6.1	7.3
Recommended air orifice plate mm	54 (2.13)	54 (2.13)	60 (2.36)	65 (2.56)	65 (2.56)	70 (2.76)	70 (2.76)	
Air flow (SCFH) At 15% excess air		9200	11500	13800	16100	18400	20700	23000
Differential gas pressure ("w.c.) between tap C and D (See Pages 3 & 4)	nat. gas	3.8	5.9	4.1	3.6	4.8	3.3	4.1
	propane	3.6	5.6	3.4	2.9	3.7	3.8	4.6
	butane	2.8	4.4	2.7	2.3	3.0	3.0	3.7
Recommended gas orifice plate	nat. gas	16 (0.63)	16 (0.63)	19 (0.75)	21 (0.83)	21 (0.83)	24 (0.95)	24 (0.95)
mm (in)	propane	13 (0.50)	13 (0.50)	16 (0.63)	18 (0.71)	18 (0.71)	19 (0.75)	19 (0.75)
	butane	13 (0.50)	13 (0.50)	16 (0.63)	18 (0.71)	18 (0.71)	19 (0.75)	19 (0.75)
Piping	N.P.T. or B.S.P. burner piping is available.							
Flame detection	U.V. Scanner only*							
Ignition	direct spark ignition (6 kVAC)							
Fuels	Natural gas, propane, butane							
	For any other mixed gas, contact Eclipse Combustion							

^{*} When using the U.V. scanner, it is necessary to use mounting adapter part number 10033 to ensure that the U.V. scanner will not detect the ignition spark.

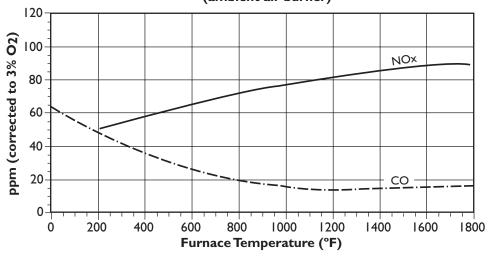
- Note: Pressures shown are for system sizing only. The supply pressure at the burner inlets must be at least 3" w.c. higher than the differential pressure shown in the tables.
- The low firing rate represents the capability of the burner. Achievement of this rate will be affected by the control method and ratio-regulator used in the system design.
- All inputs based on gross caloric values.
- 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.
- Plumbing of air and gas will affect accuracy of orifice readings. All information is based on generally acceptable air and gas piping practices.



Performance Graphs



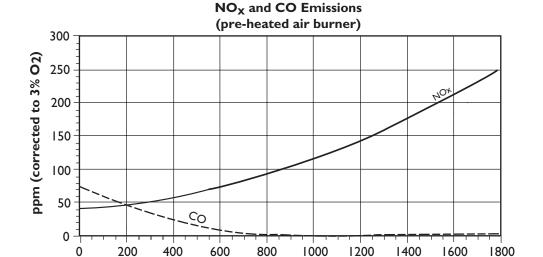




Emissions from the burner are influenced by:

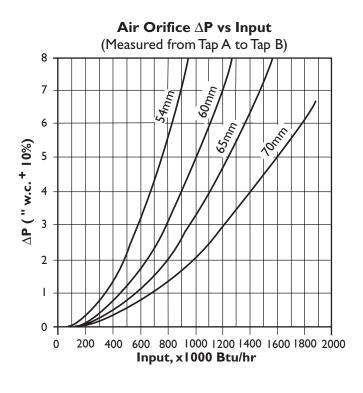
- fuel type
- combustion air temperature
- chamber conditions
- percent of excess air

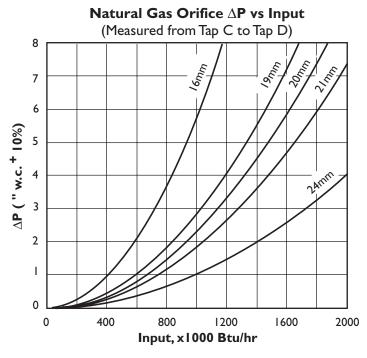
For estimates of other emissions, contact Eclipse Combustion.

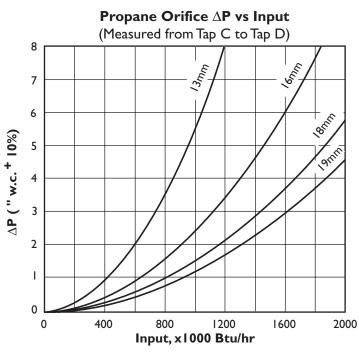


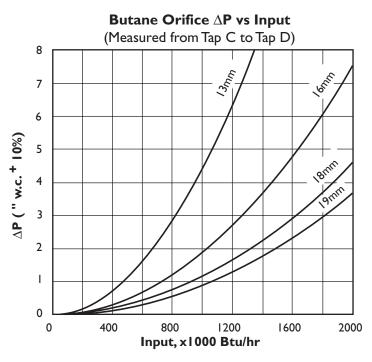
Furnace Temperature (°F)

Performance Graphs (Cont.)

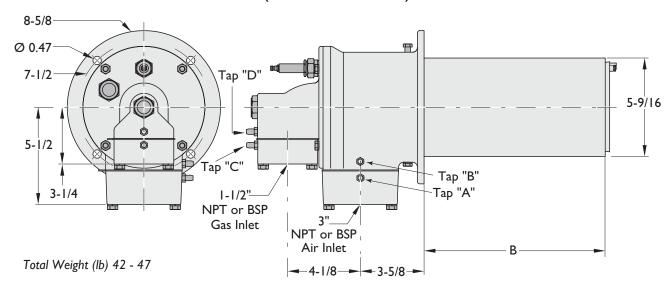








Dimensions & Specifications Model TFB200 (Dimensions in inches)



Dimension "B"

Each Therm Thief burner is available in a number of variants which have different air tube lenghts (dimension "B"). Based on your application, choose the dimension closest to your requirements.

	В											
6	7	8	10	П	12	13	14	15	20			





Offered By:

Power Equipment Company 2011 Williamsburg Road Richmond, Virginia 23231 Phone (804) 236-3800 Fax (804) 236-3882