



Specification Sheet
Models TH010 – TH075

Model Specifications

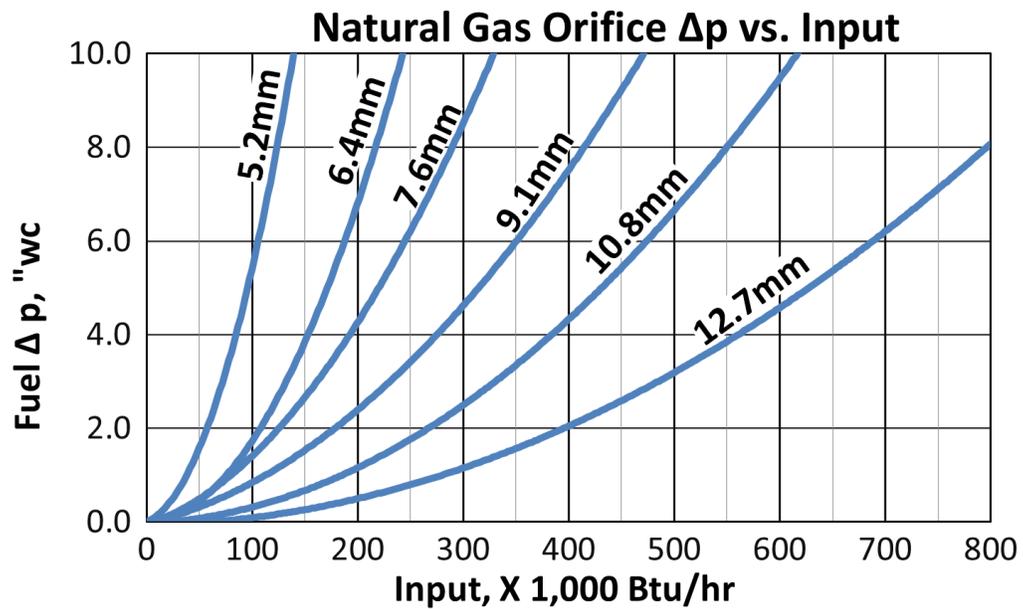
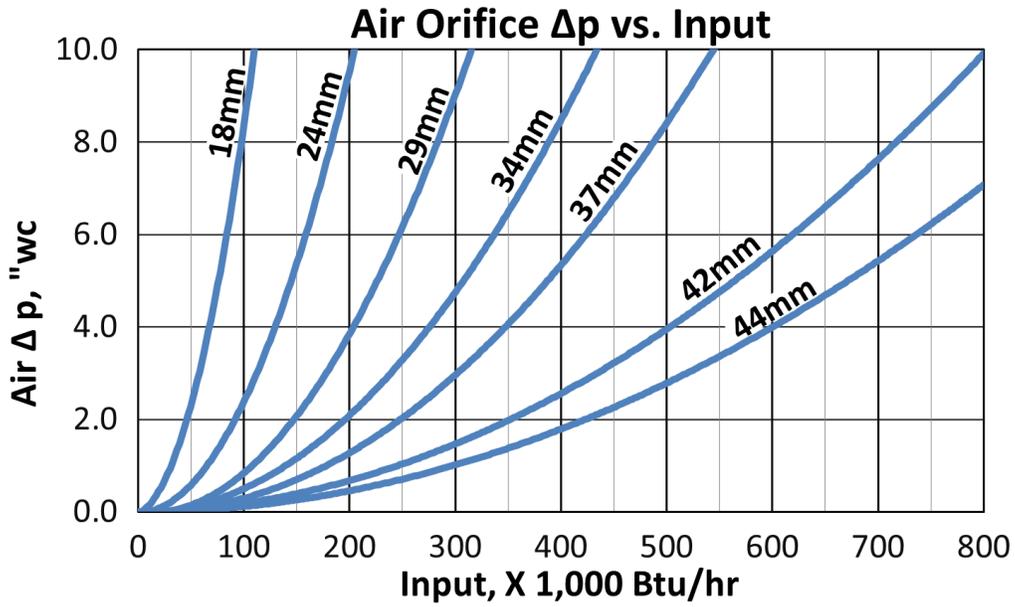
Model Parameter		Burner Input (x1000 BTU/hr)								
		100	150	200	300	350	400	500	600	750
Low Fire (x1000 BTU/hr) 100% Excess Air	No Flame Safety	5								
	With Flame Safety	10								
Air Inlet Pressure, "w.c. Between Taps A and B		8.2	5.5	9.5	9.0	6.4	8.4	8.3	5.7	6.2
Air Flow, SCFH 15% Excess Air		1,150	1,500	2,300	3,450	4,000	4,600	5,750	6,900	8,625
Fuel Δ Pressure, "w.c. Between Taps C and D	Natural Gas	5.3	3.8	4.2	4.4	3.2	4.3	3.2	4.6	7.1
Flame Detection		Flame Rod and UV scanner (1/2" or 3/4" NPT adapters)								
Max Combustion Air Temperature, °F		1000								
Ignition		Direct spark ignition (6 kVAC)								
Burner Weight, lbs		20-29								

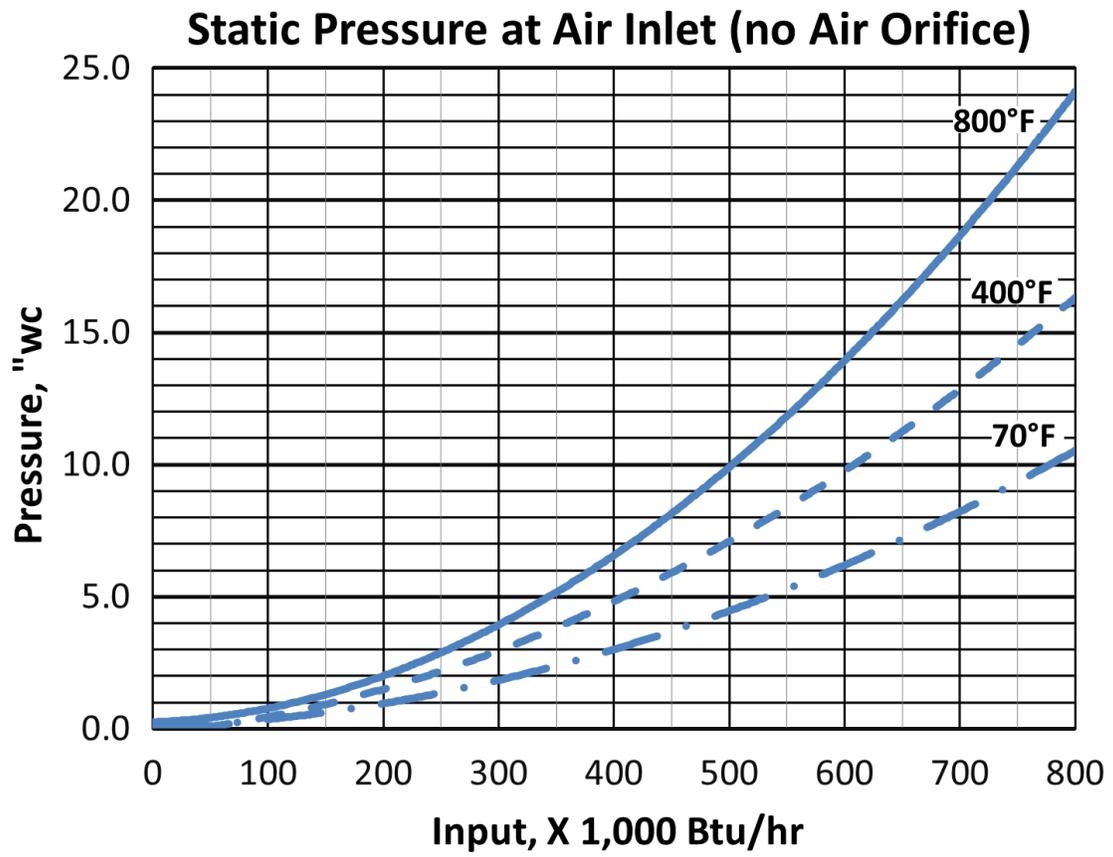
- All information is based on laboratory testing in neutral (0"w.c) pressure chamber.
- Different chamber conditions may affect the data.
- All inputs based upon standard conditions; 1 atmosphere, 70°F, and higher heating values (HHV).
- For applications other than standard conditions, contact Algas-SDI.
- Algas-SDI reserves the right to change the design and/or configuration of Algas-SDI products.

Fuel and Air Orifices

Natural Gas		
Burner Model	Fuel Orifice(mm)	Air Orifice (mm)
TH010	5.2	18
TH015	6.4	24
TH020	7.6	24
TH030	9.1	29
TH035	10.8	34
TH040	10.8	34
TH050	12.7	37
TH060	12.7	42
TH075	12.7	44

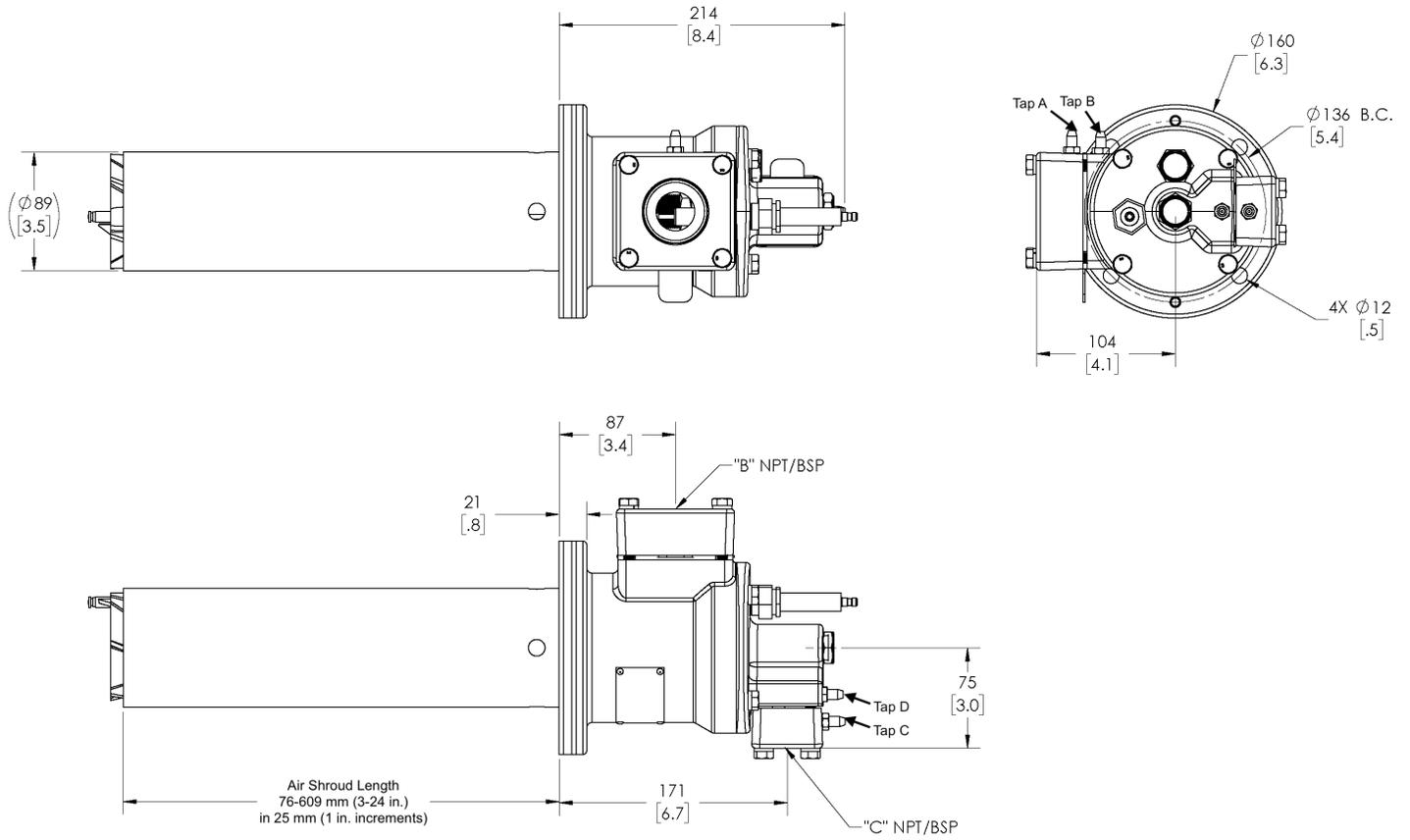
Performance Curves





Product Dimensions – Ambient Air Configuration

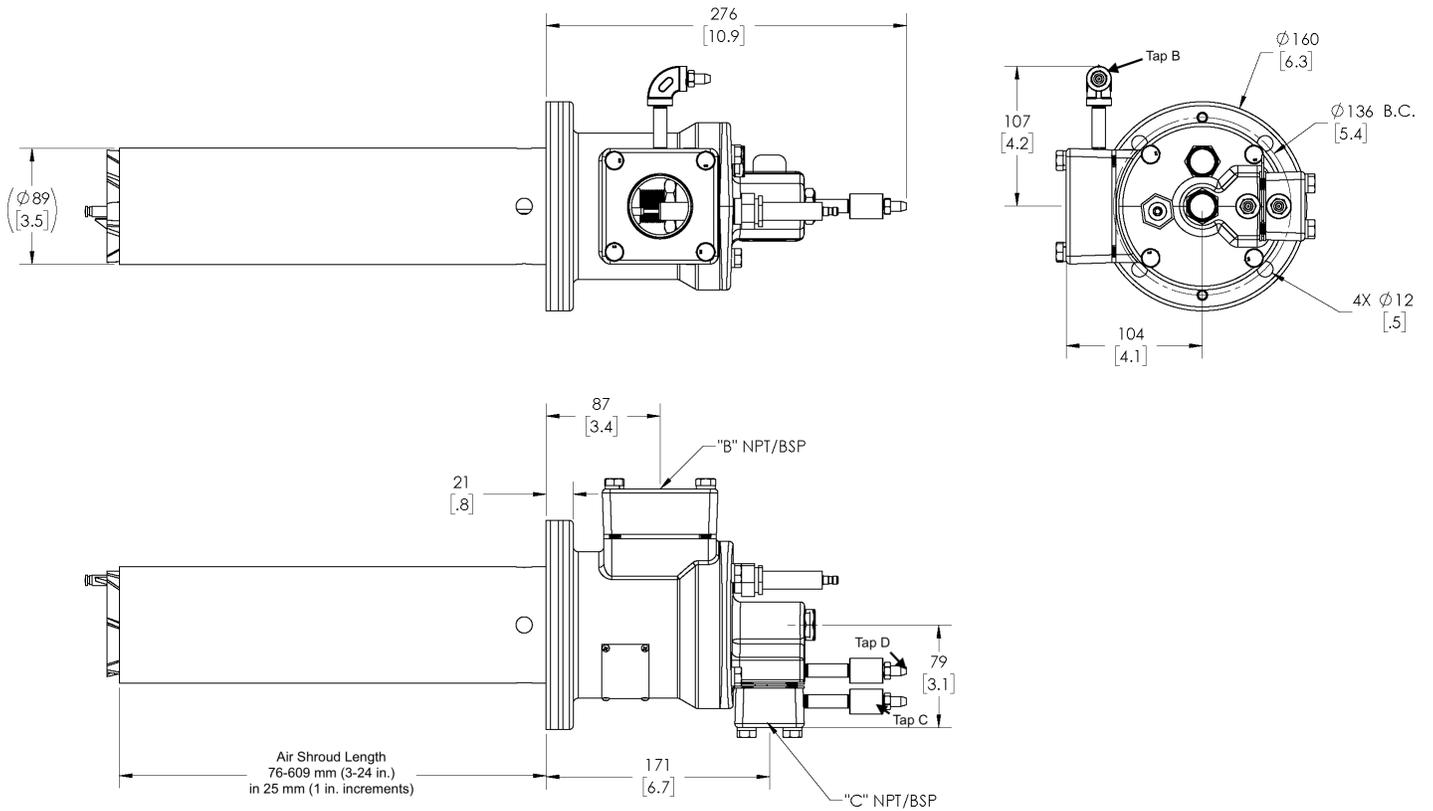
mm [inches]



Model	Air inlet ("B")	Fuel inlet ("C")
TH010-TH030	1.5"	0.5"
TH035-TH075	2.0"	0.75"

Product Dimensions – Pre-Heated Combustion Air Configuration

mm [inches]



Model	Air inlet ("B")	Fuel inlet ("C")
TH010-TH030	1.5"	0.5"
TH035-TH075	2.0"	0.75"

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