

Eclipse ImmersoJet Burners

Model 6"IJ

Version 2

Main Specifications

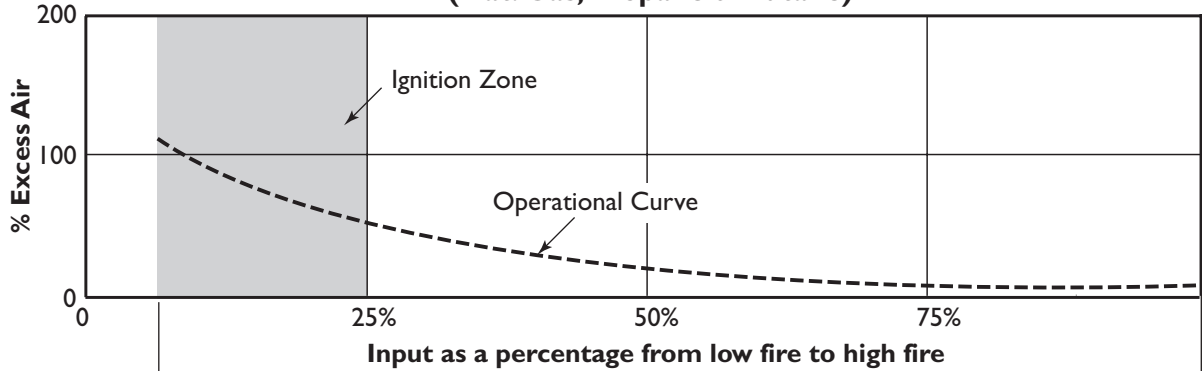
PARAMETER		BLOWER SIZE		
Blower Type		10"w.c. Packaged (60Hz)	15"w.c. Packaged (60Hz)	Remote Blower
Maximum Input (Btu/hr)		2,000,000	2,500,000	3,600,000
Minimum Input (Btu/hr)		300,000	300,000	300,000
Air Inlet Pressure ("w.c.) @Max. Input – Air pressure at burner inlet (Tap "A")		9	14.4	30
Blower Motor Horse Power		1.5	3.0	As Specified
Main Gas Pressure ("w.c.) into regulator	Max.	125	125	125
	Min.	14	21	41
Tube Backpressure ("w.c.)		2.6	4	8.3
Weight-less actuator (lbs)		275	290	185
CO emissions (ppm)		<100	<100	<100
Piping		N.P.T. or B.S.P.		
Flame Detection		Flamerod or U.V. Scanner.		
Fuel ⁽¹⁾		Natural gas, Propane, Butane <i>For any other mixed gas, contact Eclipse for orifice sizing.</i>		

⁽¹⁾ Different fuels require different nozzles and orificies.

- All information is based on laboratory testing with a tube effective length of 50.4 feet. Different tube sizes and conditions may affect the data.
- All information is based on standard tube design. Changes in the tube will alter performance and pressures.
- All inputs based upon 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 Data

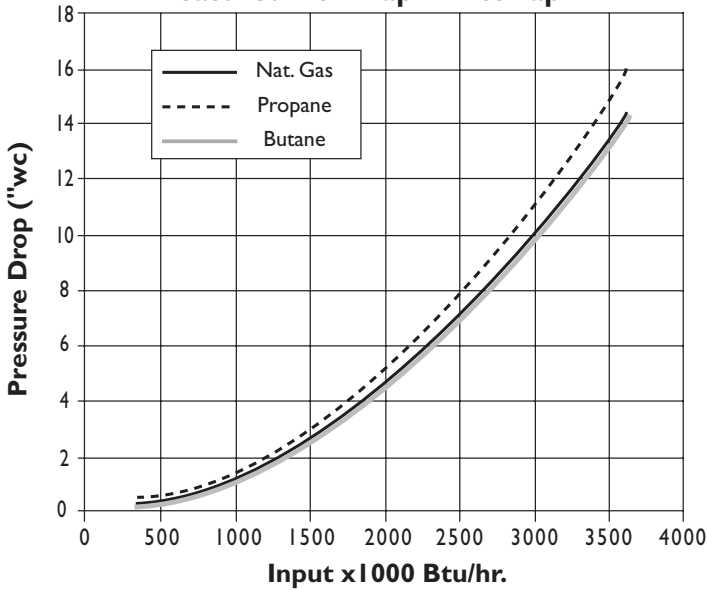
Typical Operational Curve & Ignition Zone (Nat. Gas, Propane & Butane)



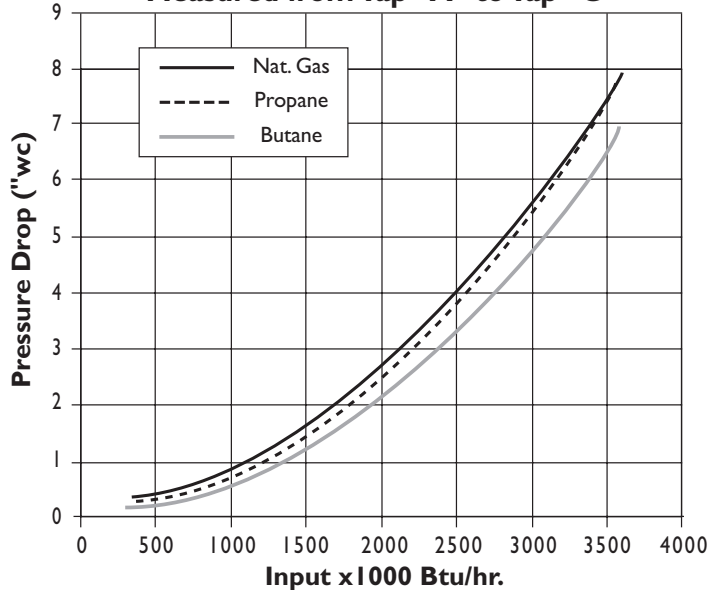
Low Fire
300,000 Btu/hr.
(Regardless of Blower)

High Fire:
2,000,000 Btu/hr (Low Pressure Blower)
2,500,000 Btu/hr (High Pressure w.c. Blower)
3,600,000 Btu/hr (Remote Blower)

Gas Orifice ΔP vs. Input Measured from Tap "B" to Tap "D"

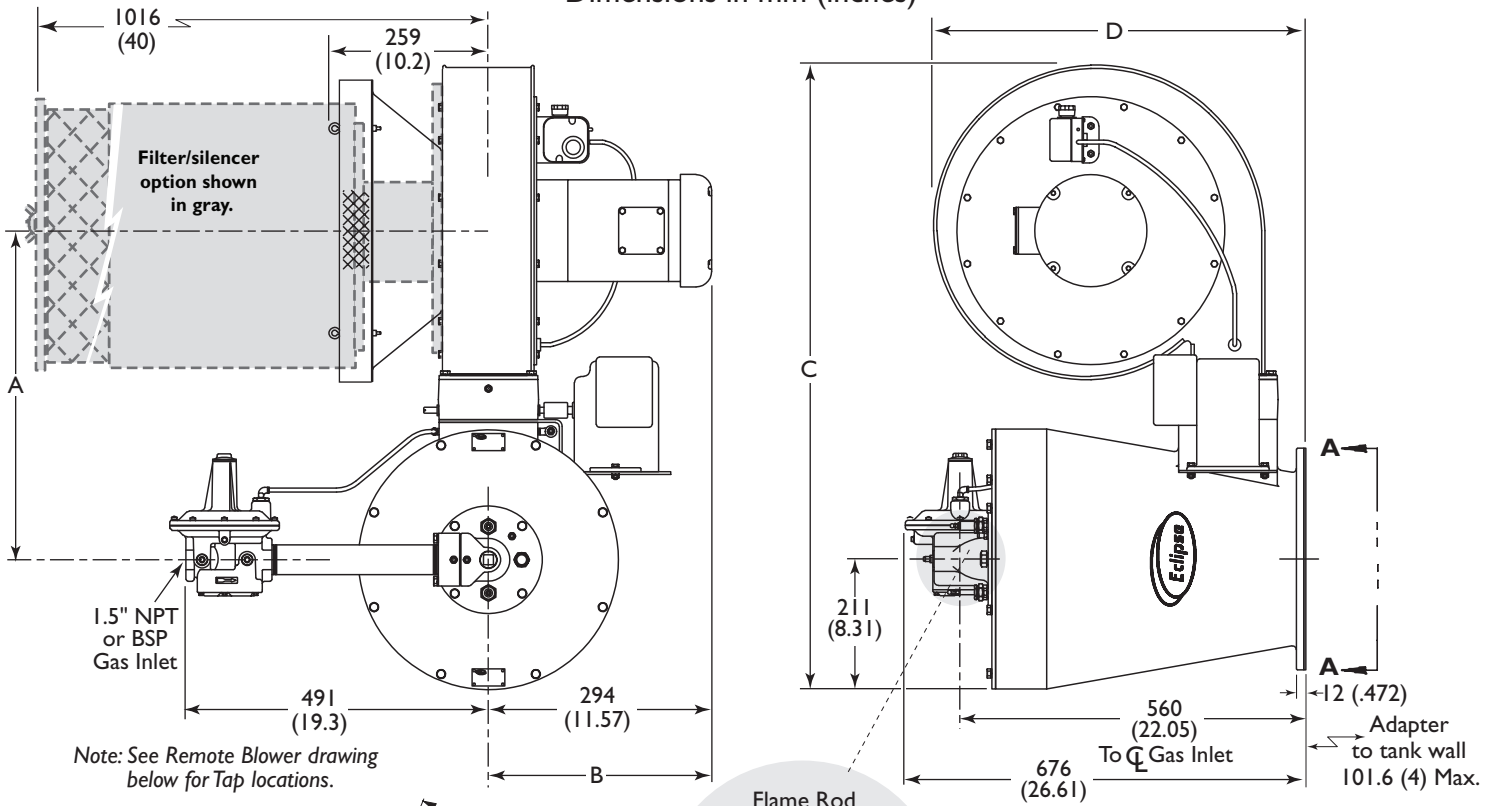


Air Orifice ΔP vs. Input @ 3% O₂ Measured from Tap "A" to Tap "C"

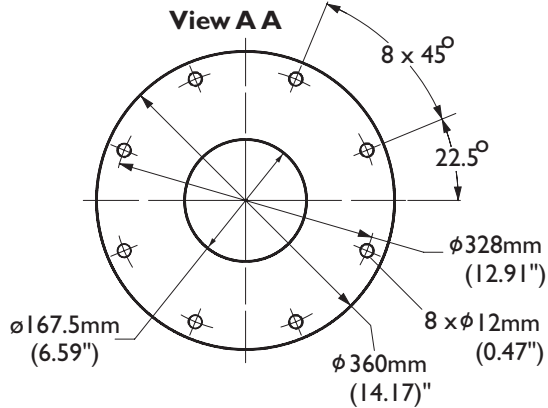


Dimensions & Specifications

Dimensions in mm (inches)

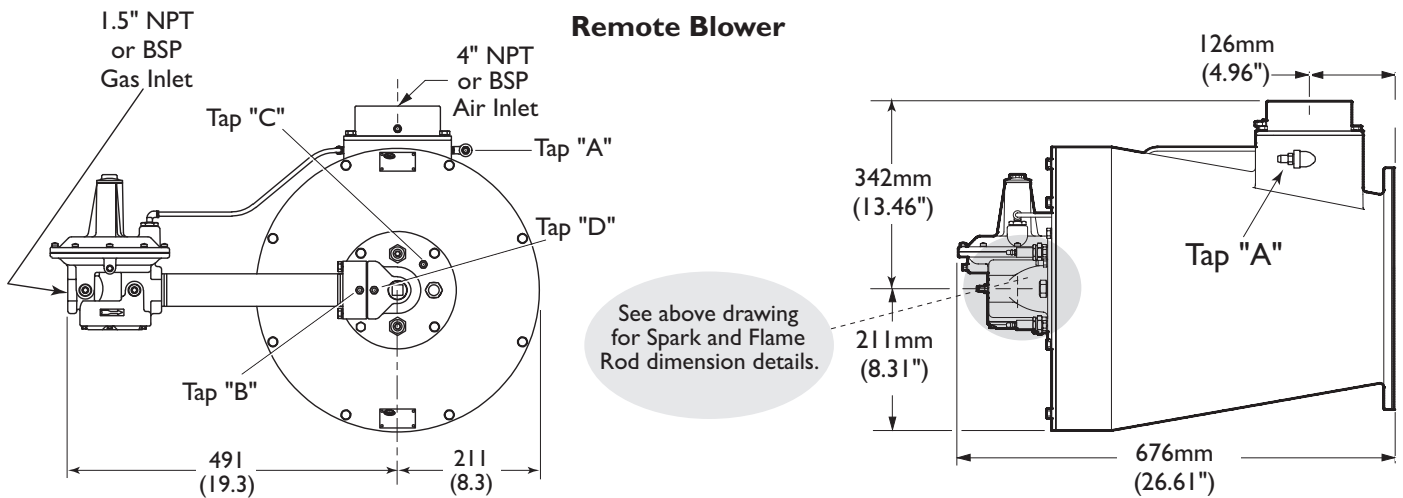


Note: See Remote Blower drawing below for Tap locations.



	A	B		C	D
		60 HZ	50 HZ		
Low pressure blower	508mm (20.00")	330mm (12.99")	306mm (12.04")	958mm (37.71")	545mm (21.45")
High pressure blower	533mm (20.98")	362mm (14.25")	320mm (12.60")	1013mm (39.88")	604mm (23.78")

Remote Blower



See above drawing for Spark and Flame Rod dimension details.



Offered By:

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