



# ExtensoJet Burners

Model EJ050

Version 2

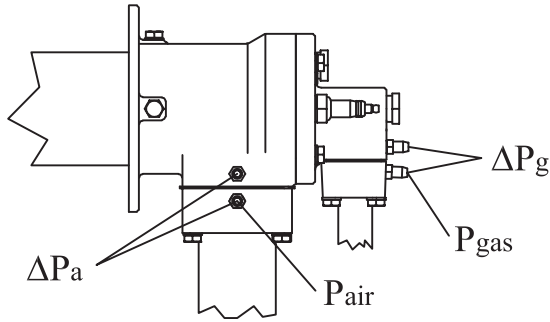
## Main Specifications

PARAMETER	SPECIFICATION		
	Nat. Gas	Propane	Butane
Maximum input Btu/hr (kW)	500,000 (146)	500,000 (146)	500,000 (146)
Minimum Input, on-ratio Btu/hr (kW)	50,000 (14.6)	50,000 (14.6)	50,000 (14.6)
Gas Inlet Pressure "w.c. (mbar) • Fuel pressure at gas inlet (P <sub>gas</sub> – see page 2)	11.3 (28.1)	13.2 (32.9)	10.5 (26.1)
Air Inlet Pressure "w.c. (mbar) • Air pressure at air inlet (P <sub>air</sub> – see page 2)	13.8 (34.1)	11.3 (28.1)	13.1 (32.6)
High Fire Flame Length Inches (mm)	20(508)	18 (457)	17 (432)
Maximum flame velocity ft/s (m/s) • 15% excess air, at maximum input	290 (90)		
Flame detection	Flame rod only		
Maximum Furnace Temperature °F (°C)	2250 (1232)		
Approximate Weight Lbs. (kg)	40 (18)		
Fuel	Natural Gas, Propane, Butane <i>For any other mixed gas, contact Eclipse for orifice sizing.</i>		

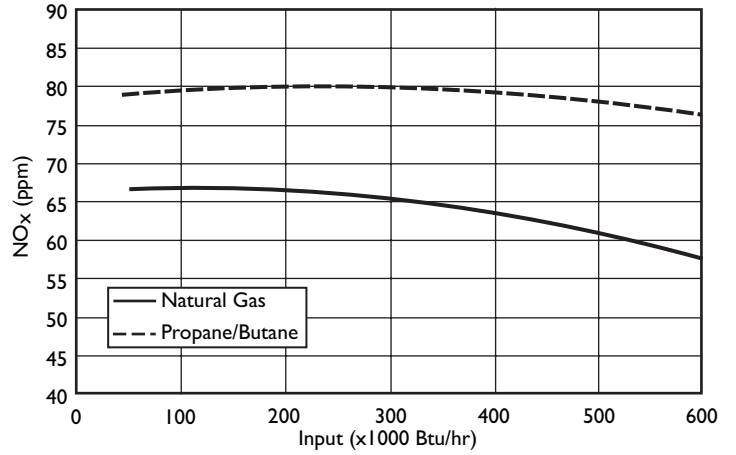
- All information is based on laboratory testing in neutral (0.0" w.c.) pressure chamber. Different chamber size and conditions may affect the data.
- All inputs based upon gross caloric values.
- Eclipse reserves the right to change the construction and/or configuration of our products at any time without being obliged to adjust earlier supplies accordingly.

# Specifications

**Adjusting Diagram**

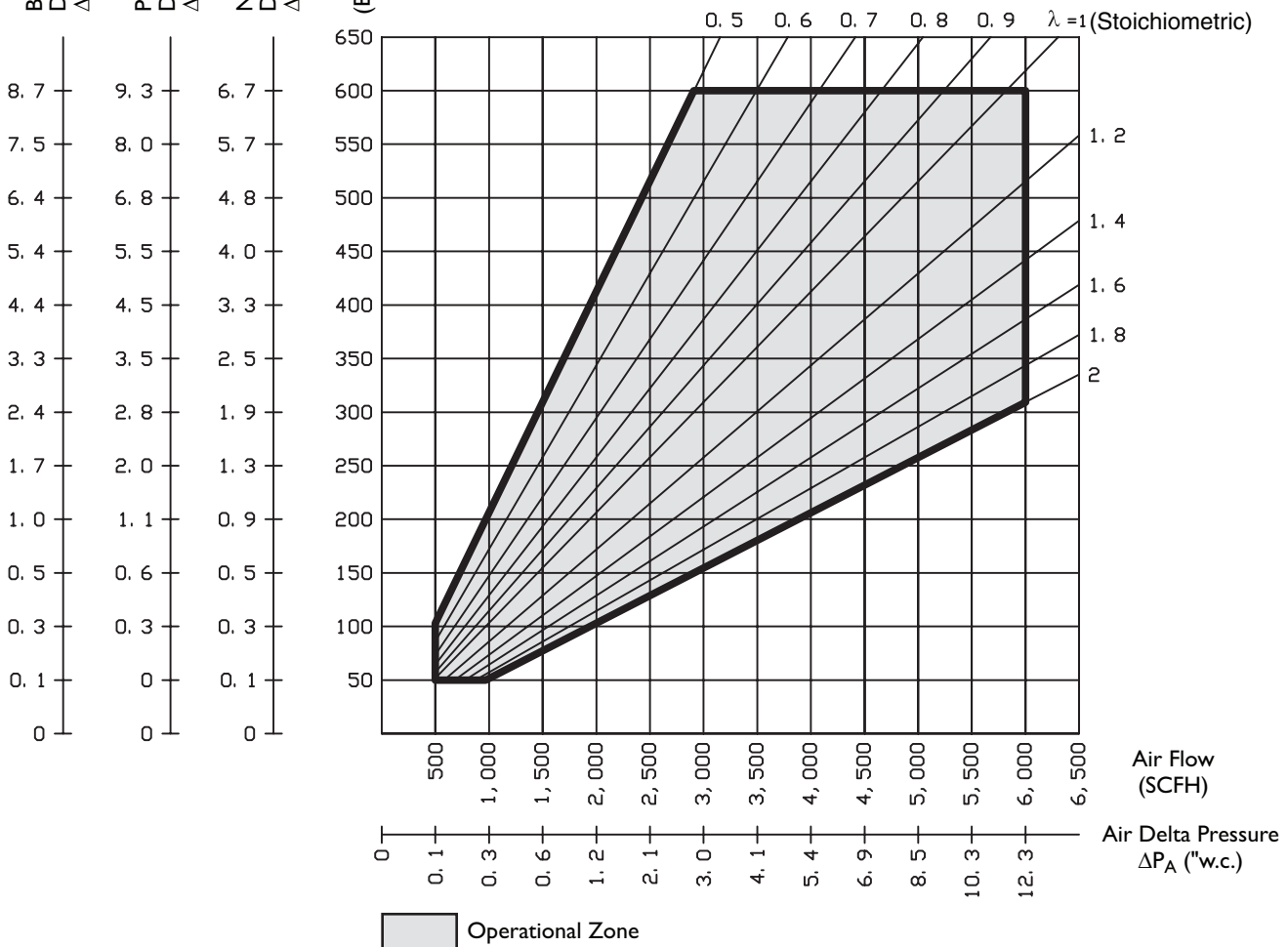


**NO<sub>x</sub> Emissions**  
Stoichiometrically fired and corrected to 3% O<sub>2</sub>

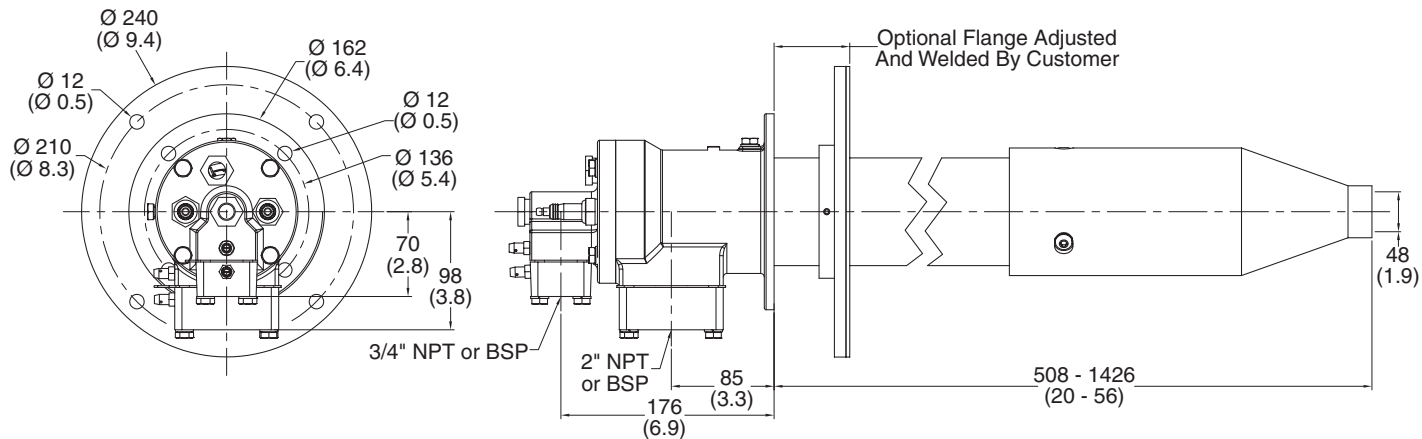


Butane  
Delta Pressure  
 $\Delta P_G$  ("w.c.)  
 Propane  
Delta Pressure  
 $\Delta P_G$  ("w.c.)  
 Natural Gas  
Delta Pressure  
 $\Delta P_G$  ("w.c.)  
 Capacity  
(Btu/hr x 1000)

- Ø 36 mm Air Orifice
- Ø 11 mm Natural Gas Orifice
- Ø 8.6 mm Propane Orifice
- Ø 7.9 mm Butane Orifice



**Dimensions  
mm(inches)**





**Offered By:**

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