


Eclipse ExtensoHeat Series Lance Burners

Model EH050

Version 1

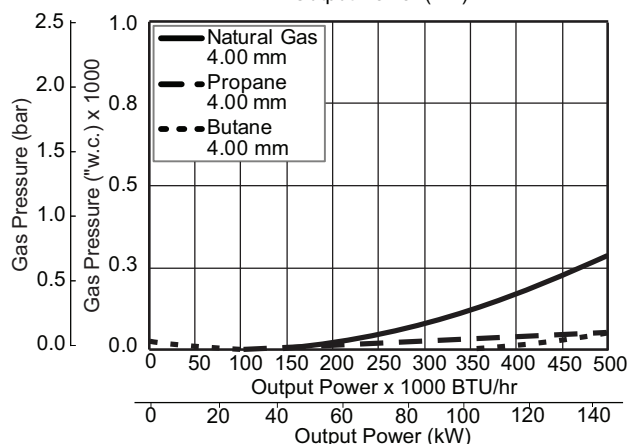
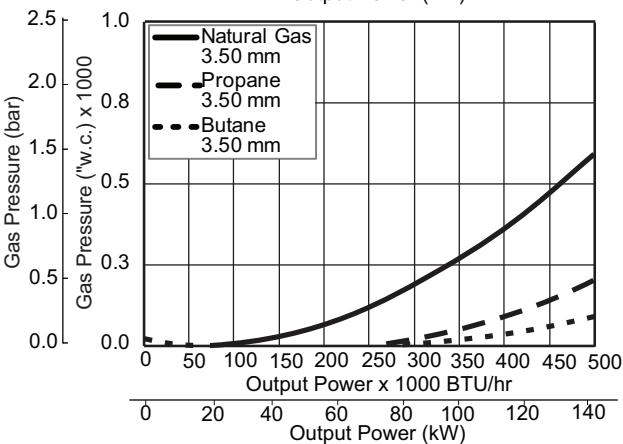
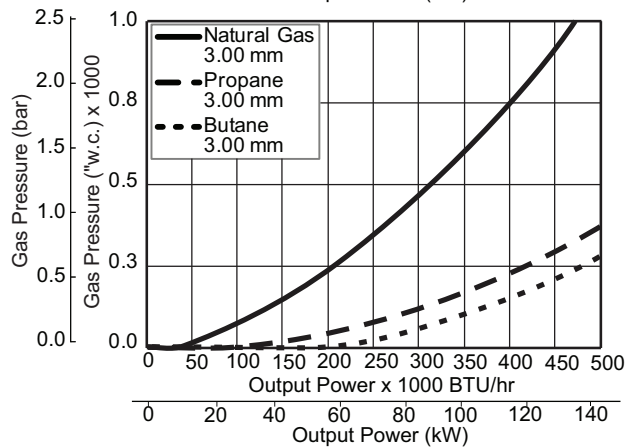
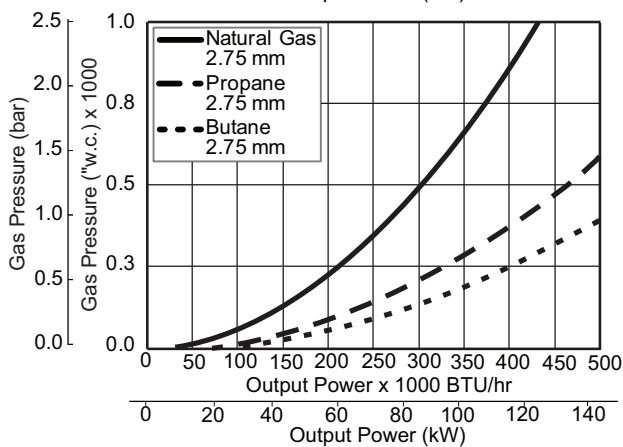
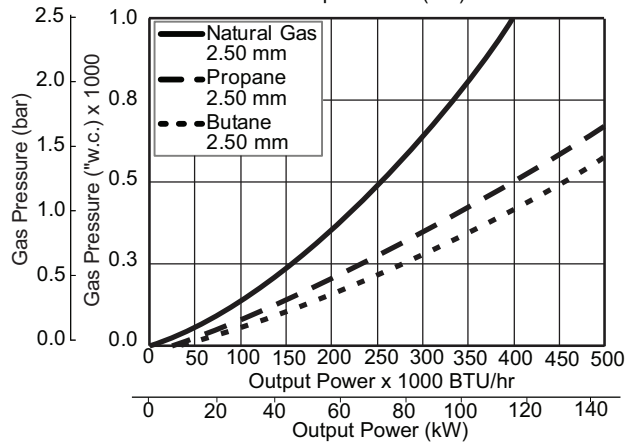
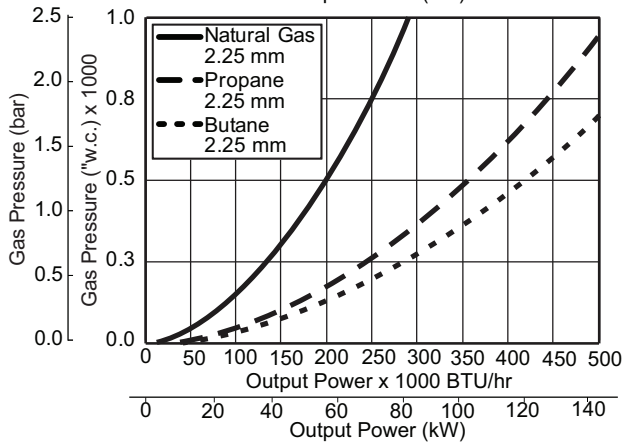
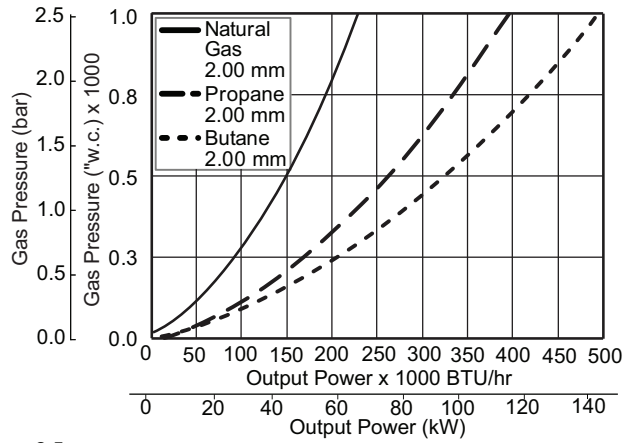
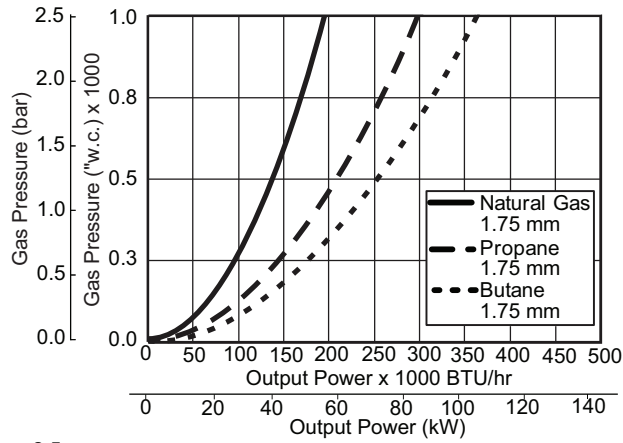
Main Specifications

Parameter	Specification
Maximum Input Btu/hr (kW)	500,000 (146)
Minimum Input Btu/hr (kW)	85,000 (25)
Fuel Inlet Pressure Natural Gas "w.c. (bar)	200 to 1,000 (0.5 to 2.5)
Air Inlet Pressure "w.c. (mbar)	4 to 6 (10 to 15)
High Fire Flame Length inches (mm)	27.6 to 39.4 (700 to 1000)
Maximum Flame Velocity ft/s (m/s)	328 (100)
Maximum Furnace Temperature °F (°C)	1,832 (1000) 2,282 (1250) High temperature alloy for air tube*
Minimum Operating Temperature °F (°C)	1,382 (750)
Piping	NPT or BSP interface available
Flame Detection	Not necessary
Ignition	Self ignition by process temperature
Fuel	Natural Gas, Butane, Propane <i>For low HV gas, contact Eclipse for orifice sizing</i>
Minimum Operating O ₂ level (% vol.)	12
Air Inlet Flow cfh (Nm ³ /hr)	1,765 to 2,118 (50 to 60)
Weight, lbs (kg)	28.7 (13)
Approvals	

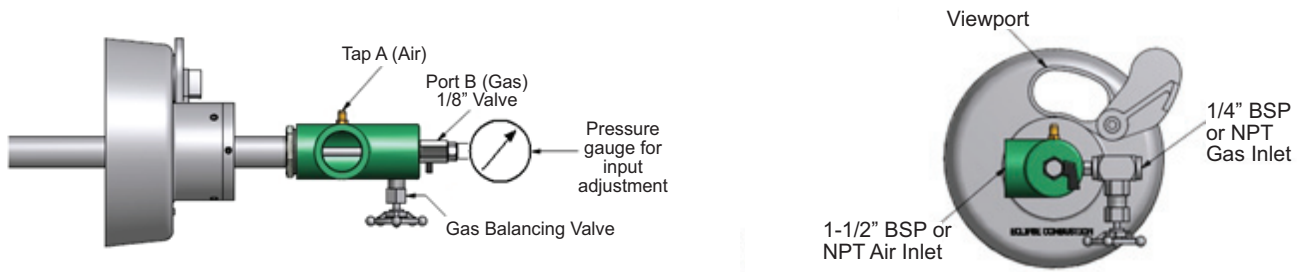
*For this special configuration, contact Eclipse.

- All information is based on laboratory testing in neutral (0.0 "w.c./mbar) pressure chamber. Different chamber size and conditions may affect the data.
- All inputs based upon gross calorific 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



Dimensions

mm (inches)

Burner Length LT	Burner Length inside the wall WT (min - max)
31.5 (800)	17.7 - 25.6 (450 - 650)
39.4 (1000)	25.6 - 33.5 (650 - 850)
47.2 (1200)	33.5 - 41.3 (850 - 1050)
55.1 (1400)	41.3 - 49.2 (1050 - 1250)

