


# Eclipse ImmersoPak Burners

Model IP012

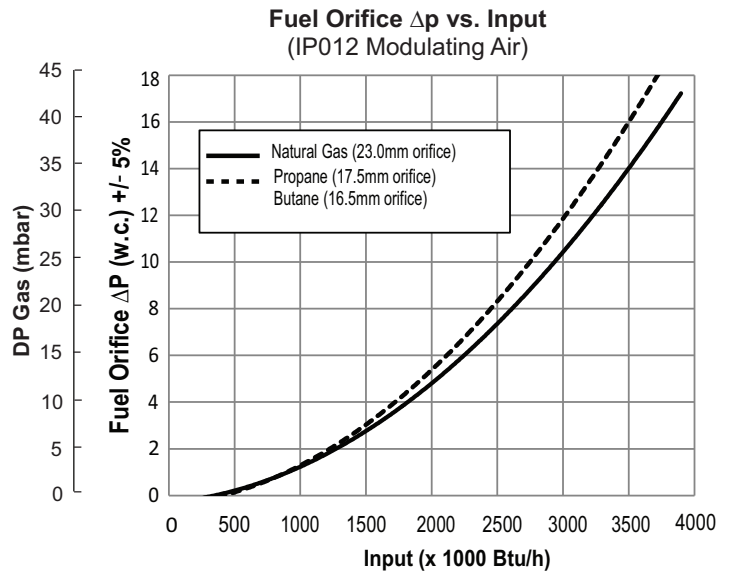
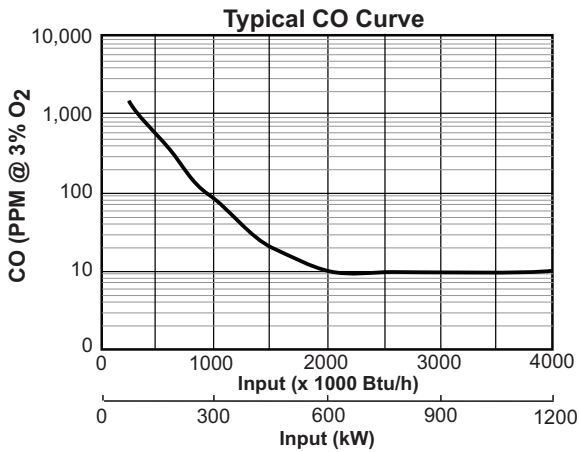
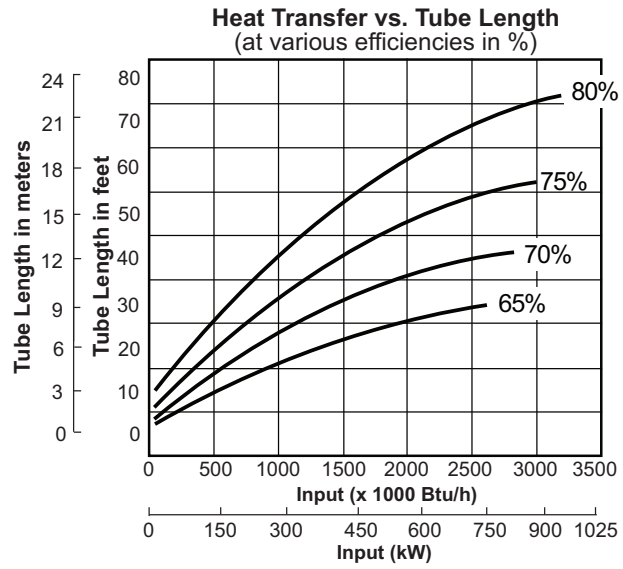
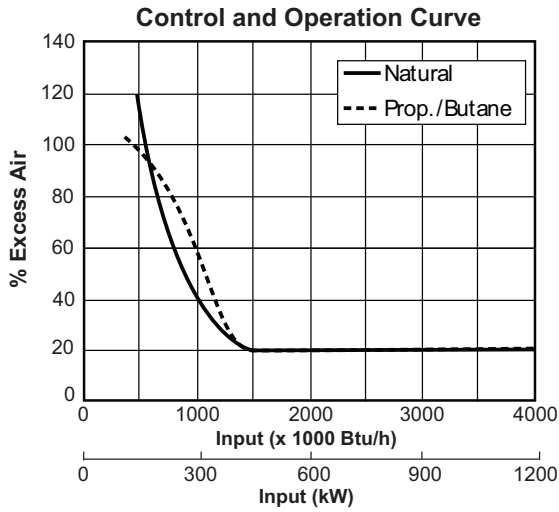
Data sheet Edition 09.18

Version 3

Parameter	Modulating Air (Control Option 2)		
	Natural Gas	Propane	Butane
Maximum Input, kBtu/h (kW)	4000 (1172)	3800 (1112)	3800 (1112)
Low Firing Rate x 1000 Btu/h (kW)	275 (81)	250 (73)	300 (88)
High Fire CO, ppm	< 10	< 10	< 10
Orifice Size, mm	23.0	17.5	16.5
Air Inlet Pressure at Maximum Input, "w.c. (mbar) Air pressure at burner inlet (Tap A)	15 (37.4)		
Main Gas Inlet Pressure, "w.c. (mbar)	Maximum	75 (187)	
	Minimum	24 (59.8)	
	Recommended	27 (67.3)	
Weight - less actuator, lbs (kg)	164 (74)		
Blower Type	15" Packaged		
Piping	NPT or BSP		
Flame Detection	UV Scanner		
Approvals			

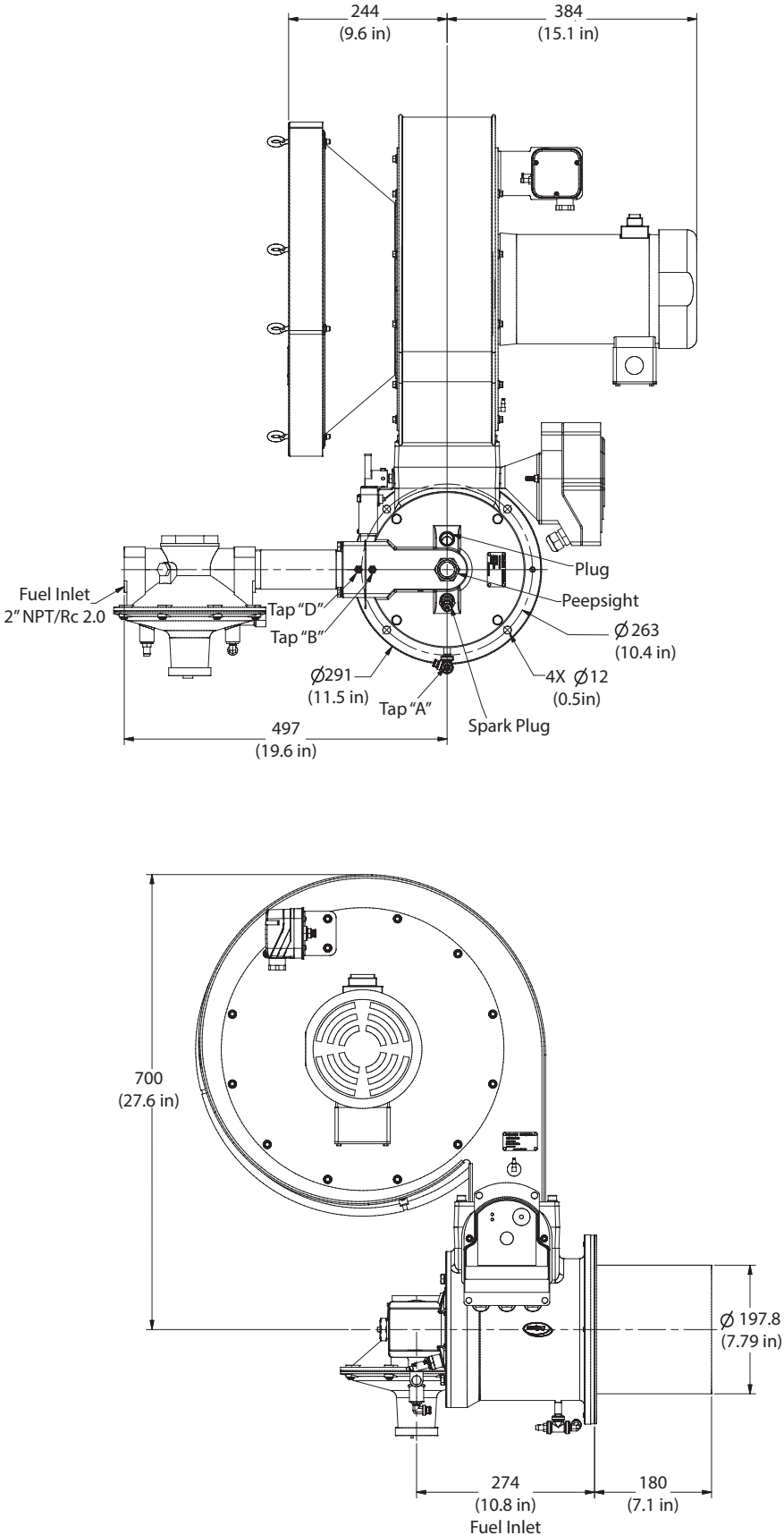
- All information is based on laboratory testing with a 12" diameter tube effective length of 39.1 feet (11.9m). Different tube sizes and conditions (including back pressure) may affect the data.
- All information is based on standard tube design. Changes in the tube will alter performance and pressures.
- All inputs based upon gross calorific values.
- Plumbing of air and gas will affect accuracy of orifice readings. All information is based on generally acceptable air and gas piping practices.
- For 65% to 80% efficiency at high fire, tube length should be 35 to 82 feet long.
- See Design Guide 360 for more information about typical fuel composition and properties
- 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.

### Performance Graphs



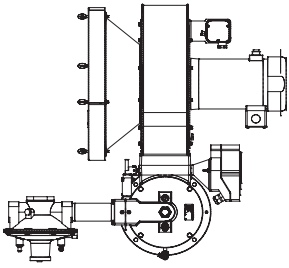
### Dimensions and Specifications

Dimensions in mm (inches)

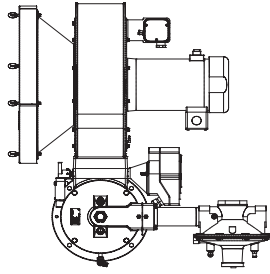


## Burner Configurations

### Upright

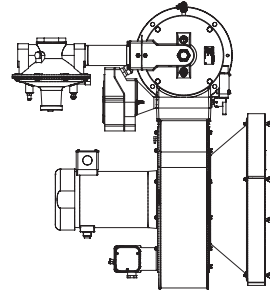


Left Hand Piping

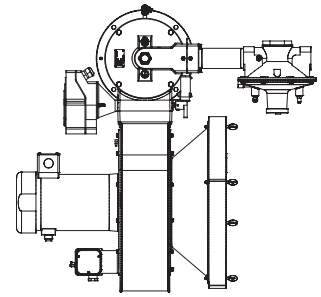


Right Hand Piping

### Inverted



Left Hand Piping



Right Hand Piping

### For More Information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, EXOTHERMICS, HAUCK, Kromschröder and MAXON. To learn more about our products, visit [ThermalSolutions.honeywell.com](http://ThermalSolutions.honeywell.com) or contact your Honeywell Sales Engineer.

### Honeywell Process Solutions

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