


Eclipse ImmersoPak Burners

Model IP005

Data sheet Edition 09.18

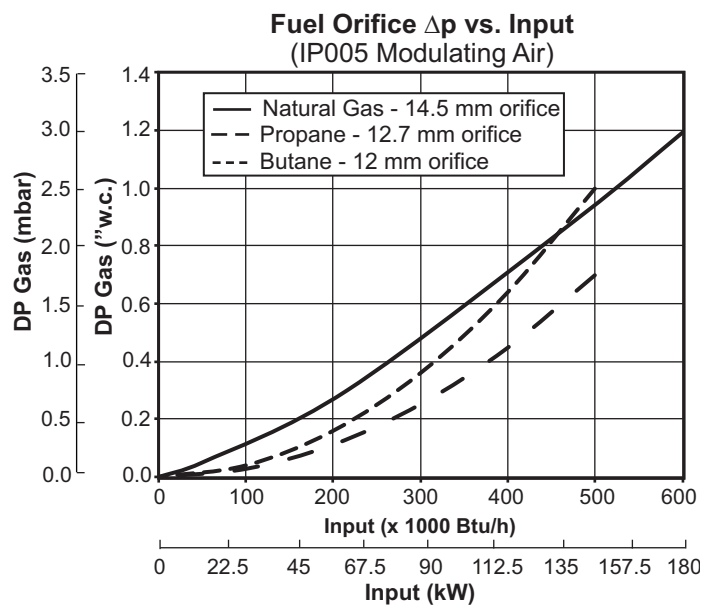
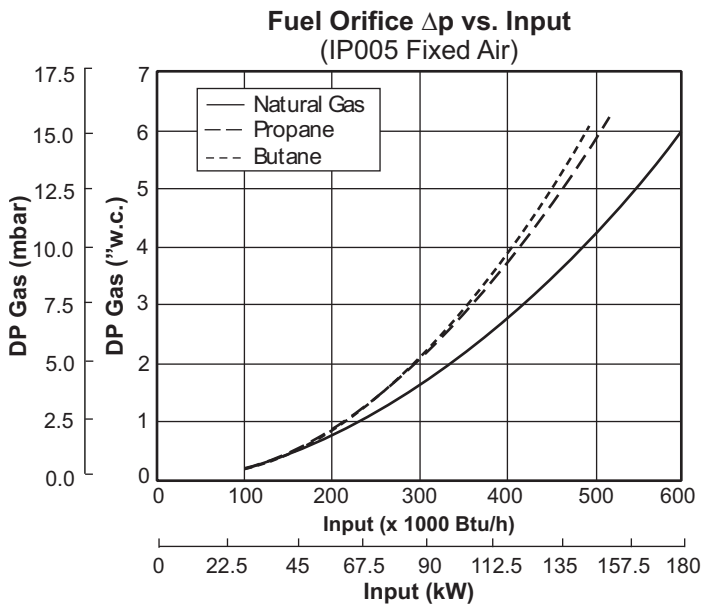
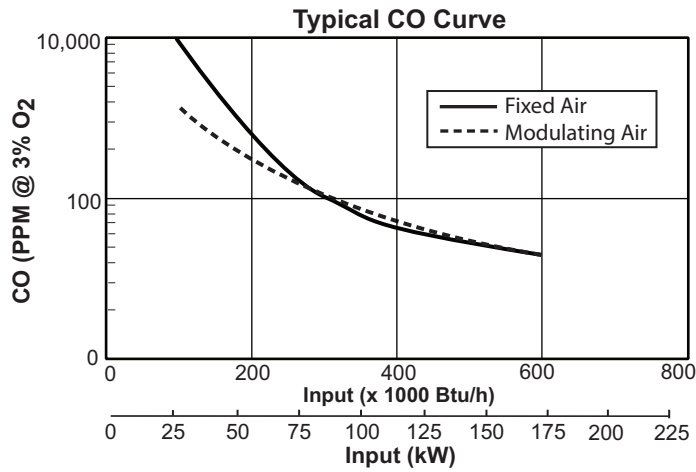
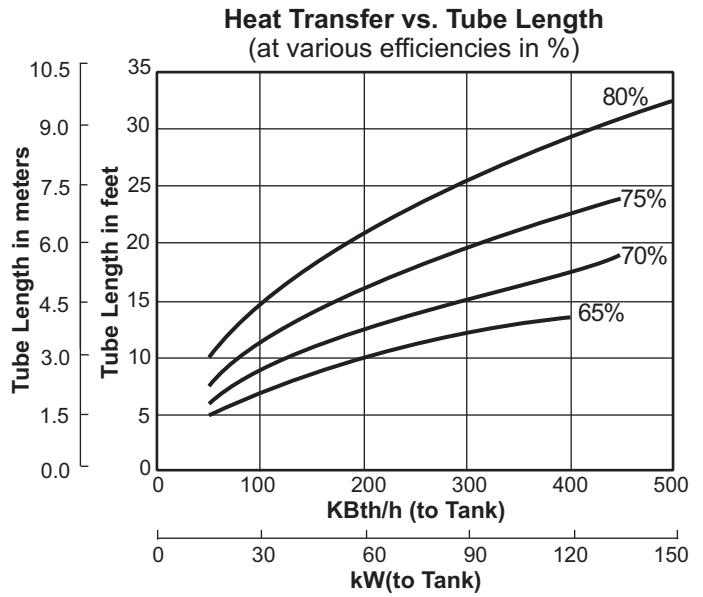
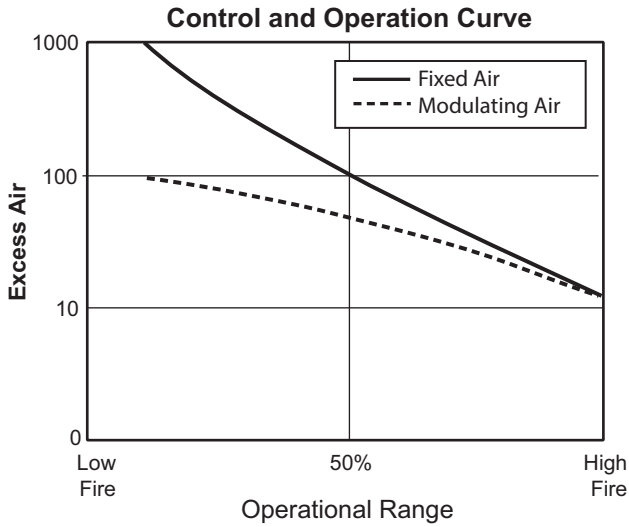
Version 3

Parameter	Fixed Air (Control Options 1, 3, 4)			Modulating Air (Control Option 2)		
	Natural Gas	Propane	Butane	Natural Gas	Propane	Butane
Maximum Input, kBtu/h (kW)	620 (182)	515 (151)	500 (146)	595 (174)	500 (146)	505 (148)
Low Firing Rate x 1000 Btu/h (kW)	80 (23)	160 (47)	170 (50)	45 (13)	45 (13)	55 (16)
High Fire CO, ppm	< 20	< 15	< 10	< 20	< 15	< 100
Orifice Size, mm	11.5	9.0	8.5	14.5	12.7	12.0
Air Inlet Pressure at Maximum Input, "w.c. (mbar) Air pressure at burner inlet (Tap A)	7 (17.4)			3 (7.5)		
Main Gas Inlet Pressure, "w.c. (mbar)	Maximum	27.7 (69.0)		27.7 (69.0)		
	Minimum	12 (29.9)		12 (29.9)		
	Recommended	15 (37.4)		15 (37.4)		
Tube Back Pressure, "w.c. (mbar)	0.2 (0.5)			0.2 (0.5)		
Weight - less actuator, lbs (kg)	78 (35)					
Blower Type	6" Packaged					
Piping	NPT or BSP*					
Flame Detection	Flamerod or UV Scanner					
Approvals						

* BSP is interface connection only.

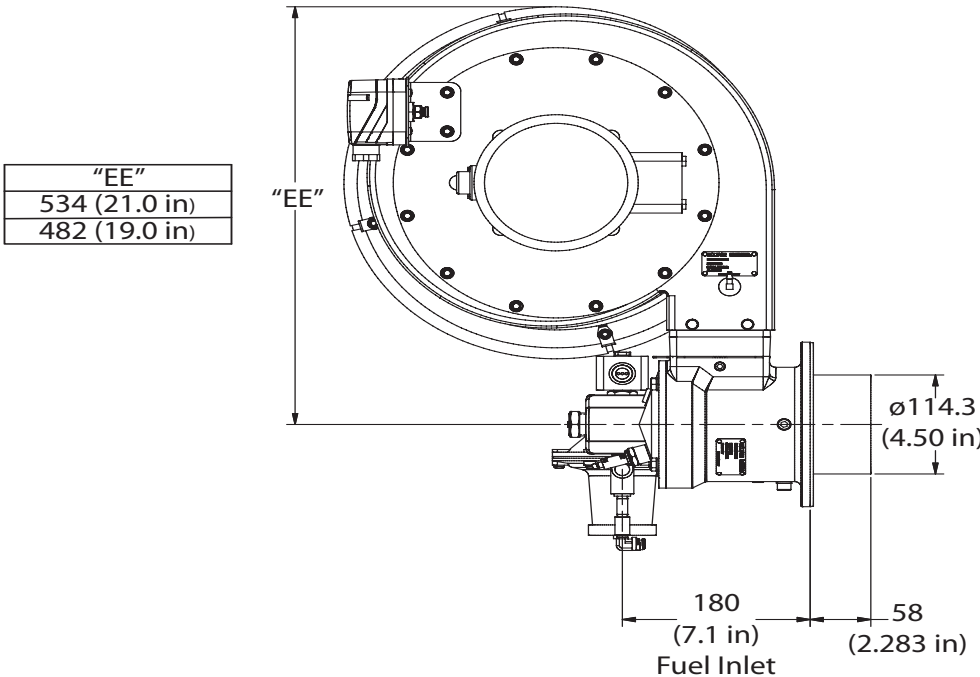
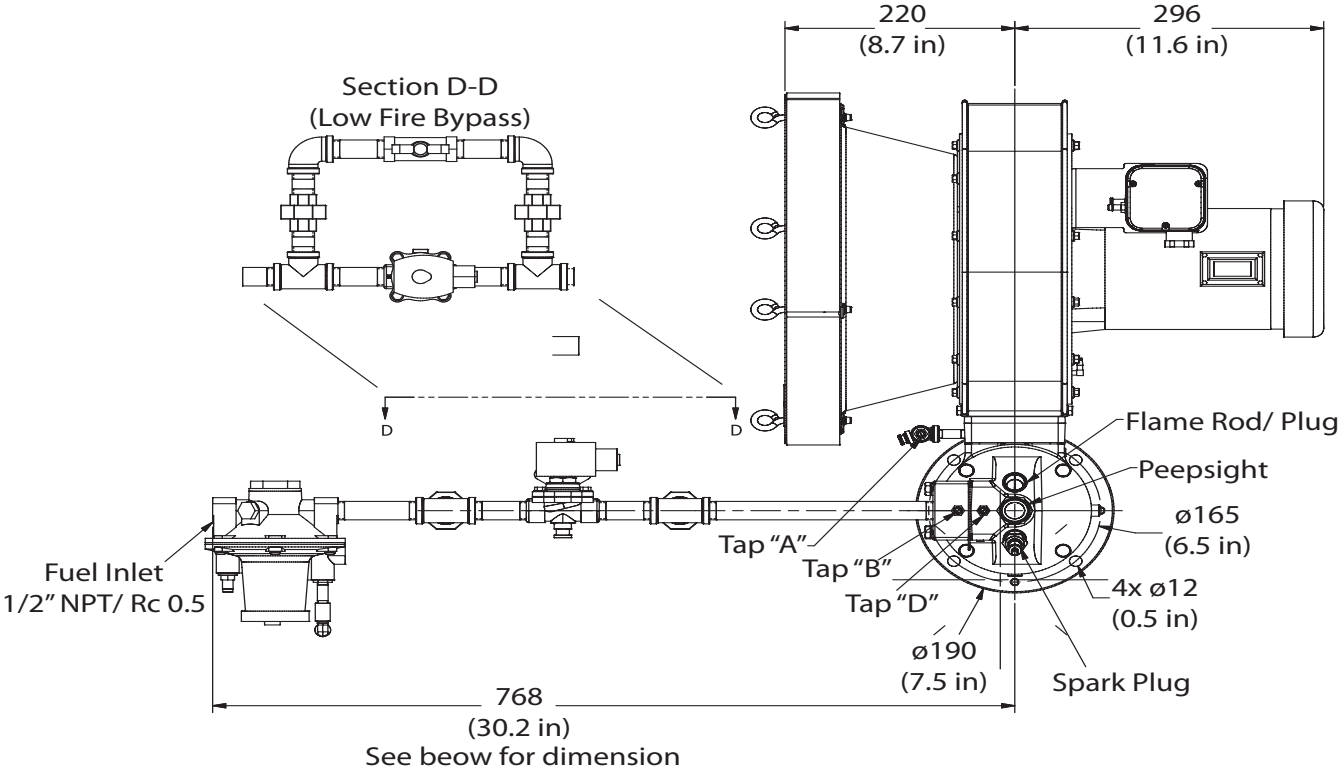
- All information is based on laboratory testing with a tube effective length of 31.4 feet (9.6m). Different tube sizes and conditions (including back pressure) may affect the data.
- All information is based on standard tube design. Changes in the tube will alter performance and pressures.
- All inputs 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 12 to 33 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

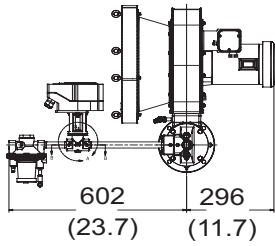


Dimensions and Specifications

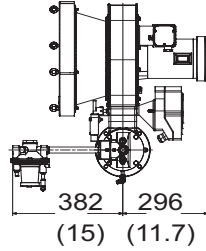
Dimensions in mm (inches)



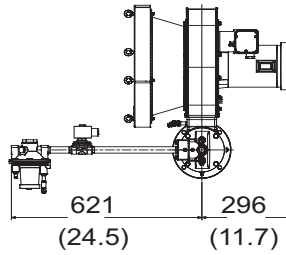
Control Options



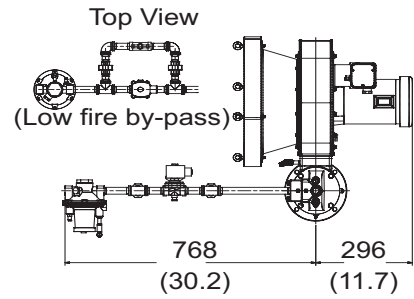
Option 1
Modulating Gas
(Fixed Air)



Option 2
Modulating Air
(Ratio Control)



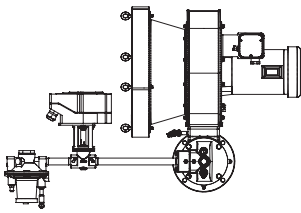
Option 3
High-Off
(Fixed Air)



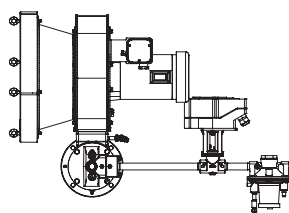
Option 4
High-Low
(Fixed Air)

Burner Configurations

Upright

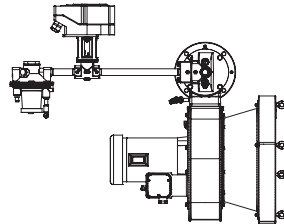


Left Hand Piping

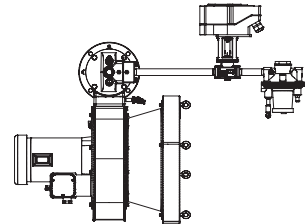


Right Hand Piping

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 or contact your Honeywell Sales Engineer.

Honeywell Process Solutions

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