

Eclipse RatioMatic

Burners

Model RM700

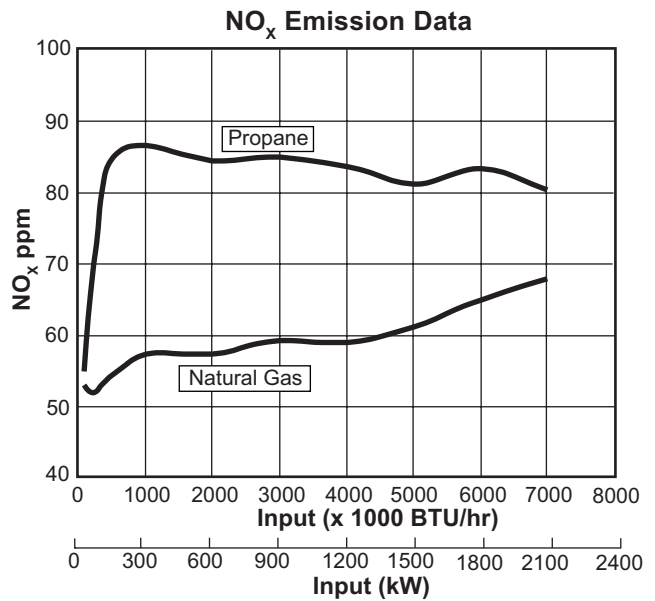
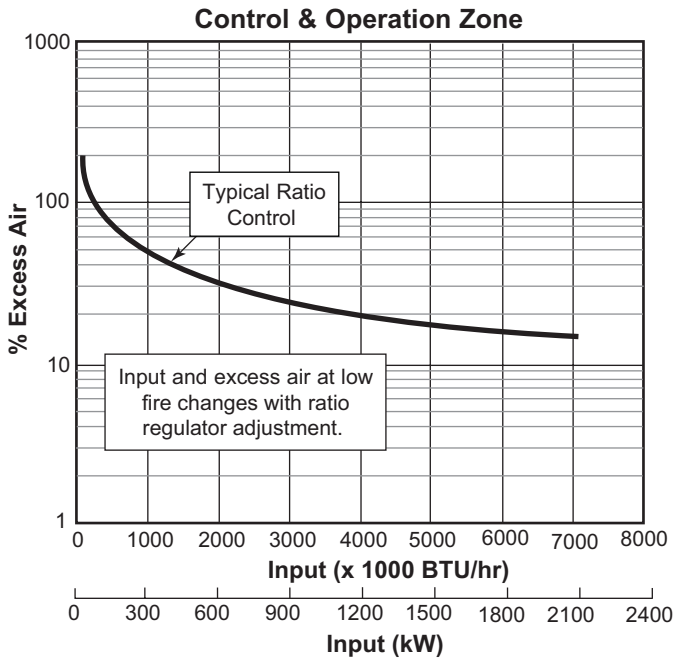
Version 3

Parameter	Specification		
	Frequency	BTU/hr (kW)	"w.c. (mbar)
Maximum Input, BTU/hr (kW) <i>Note: Contact factory for varying chamber pressures or pressures outside the range -5.0 to 5.0" w.c. (-12,4 to 12,4 mbar)</i>	*60 Hz Packaged Burner	7,640,000 (2240)	-5.0 (-12,4)
		7,260,000 (2130)	-2.0 (-5,0)
		7,000,000 (2050)	0 (0,0)
		6,720,000 (1970)	2.0 (5,0)
		6,290,000 (1840)	5.0 (12,4)
Minimum Input On-Ratio, BTU/hr (kW)		80,000 (23)	
Main Gas Inlet Pressure, psig (mbar) • Fuel pressure at ratio regulator inlet	Natural Gas	1.5 to 2.5 (105 to 175)	
	Propane	1.5 to 2.0 (105 to 140)	
High Fire Flame Length, inches (mm) • Measured from the outlet end of the combustor	Natural Gas	75 (1900)	
	Propane	88 (2200)	
Maximum Chamber Temperature, °F (°C)	Alloy Tube	1500 (815)	
	Block & Holder	1900 (1040)	
Flame Detection	Alloy Tube	Flame rod or UV scanner	
	Block & Holder	UV scanner only	
Fuel	Natural Gas, Propane, Butane (For any other mixed gas, contact Eclipse Inc.)		

* For 50 Hz applications, use remote blower or consult factory.

- All information based on laboratory testing in neutral (0.0" w.c.) pressure chamber. Different chamber sizes and conditions may affect the data.
- Maximum inputs are given for the standard combustion air blower without an air filter.
- All inputs based upon gross calorific values and standard conditions; 1 atmosphere, 70°F (21°C).
- 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



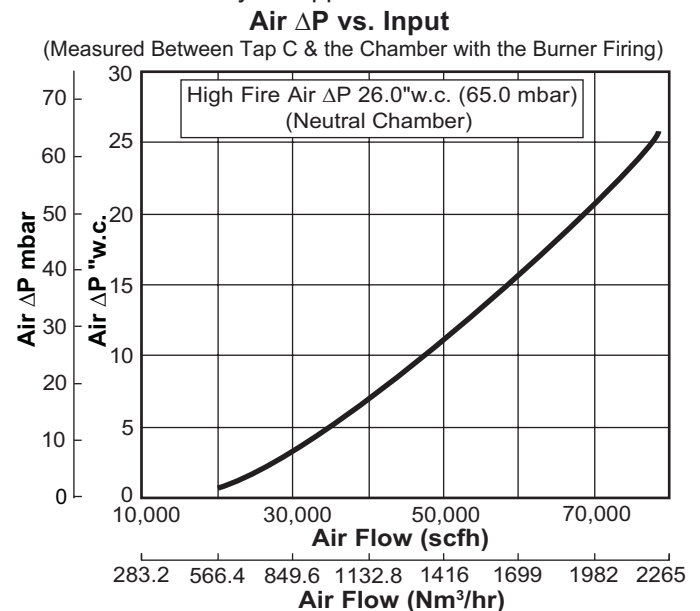
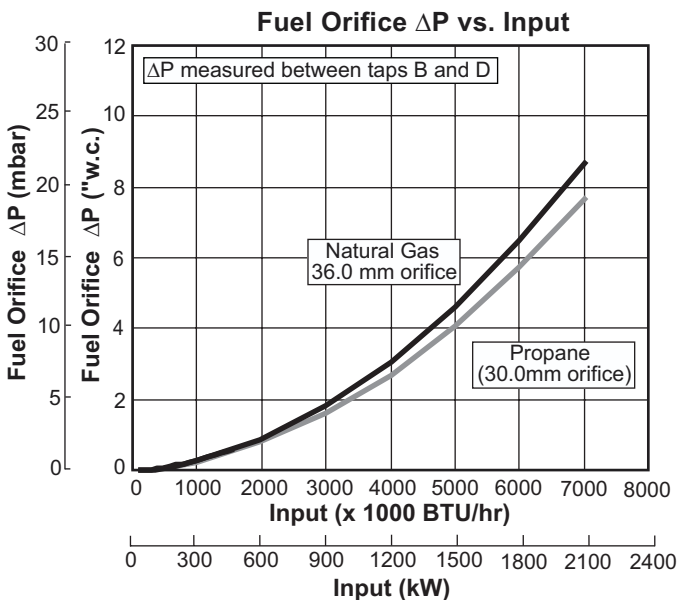
NO_x emission data is given for:

- Ambient combustion air ~70°F (20°C)
- Less than 1000°F (540°C) firing chamber
- Minimal process air velocity
- Low fire input adjusted to 80,000 BTU/hr (23 kW)
- ppm volume, dry @ 3% O₂
- Neutral chamber pressure

Emissions are influenced by:

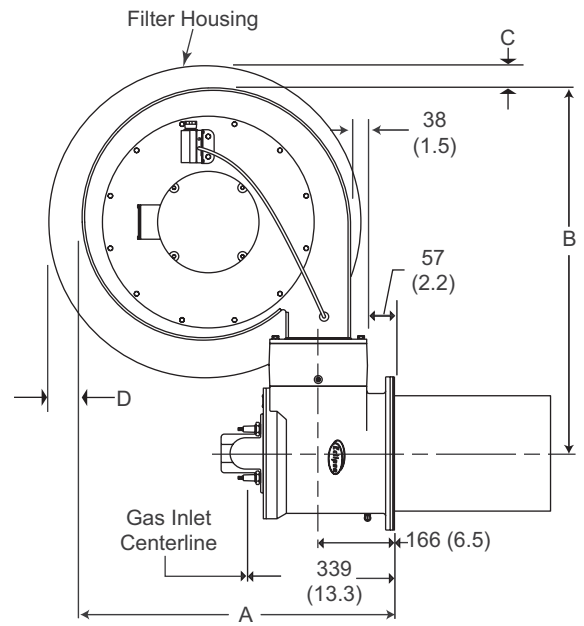
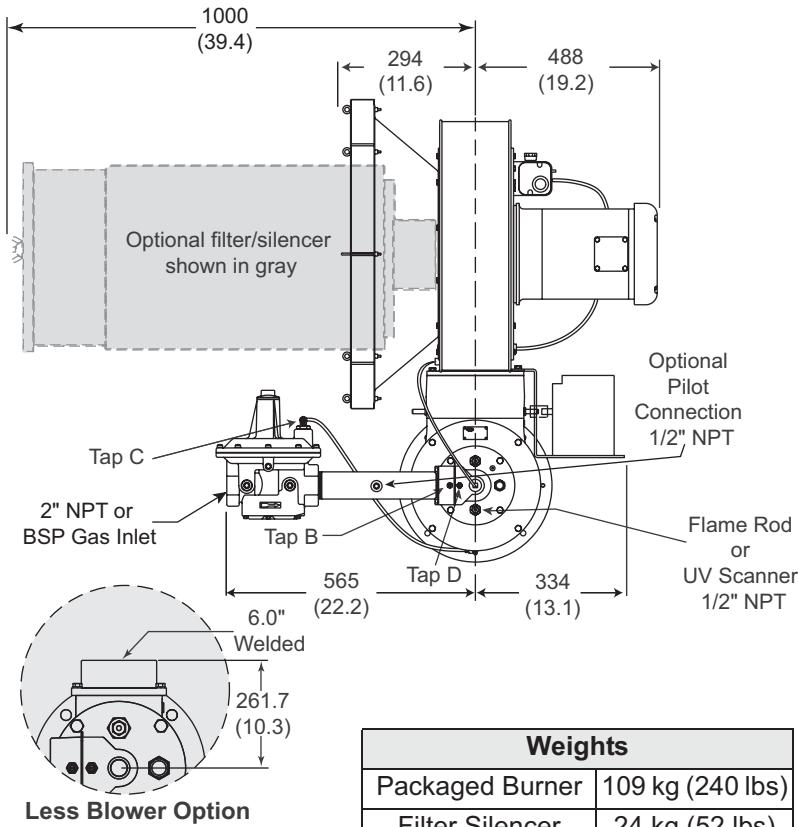
- Chamber conditions
- Fuel type
- Firing rate
- Ratio regulator adjustment
- Combustion air temperature

CO emission is largely influenced by chamber conditions. Contact your local Eclipse representative for an estimate of CO emission on your application.



Dimensions & Specifications

Dimensions in Inches (mm)

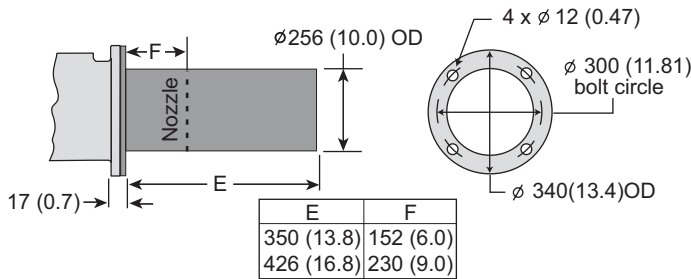


Weights	
Packaged Burner	109 kg (240 lbs)
Filter Silencer	24 kg (52 lbs)

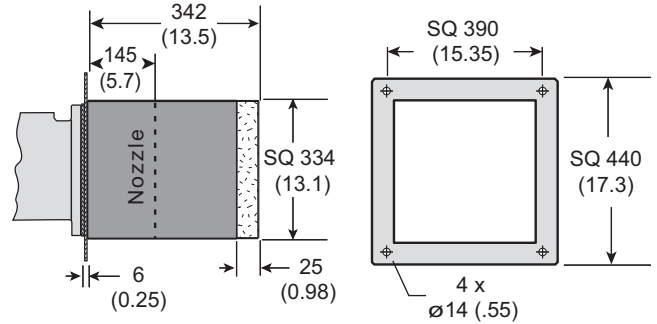
A	B	C	D
698 (27.5)	893 (35.2)	12.5 (0.5)	28.5 (1.1)

Combustor Type

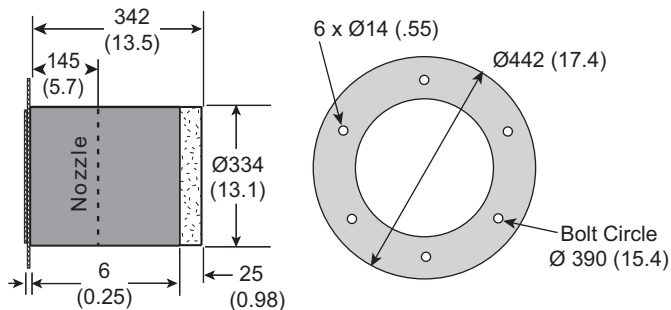
Alloy Tube



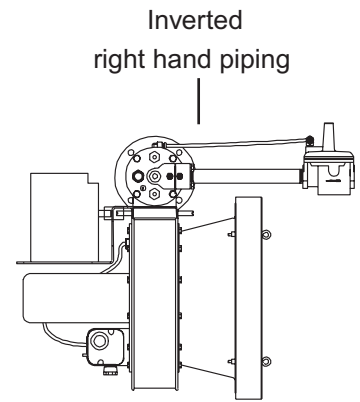
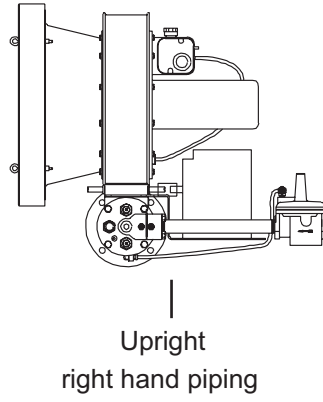
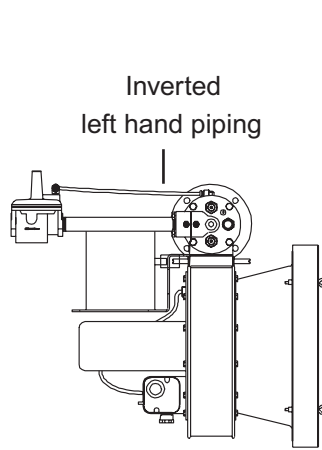
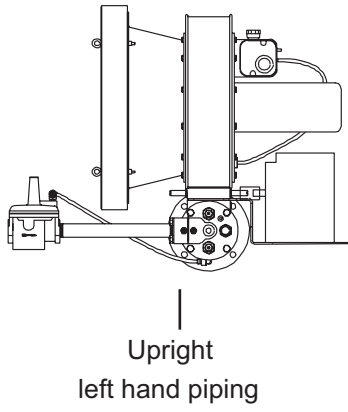
Square Block & Holder



Round Block & Holder



Burner Configuration





Offered By:

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