

Eclipse RatioMatic Burners

Model RM050

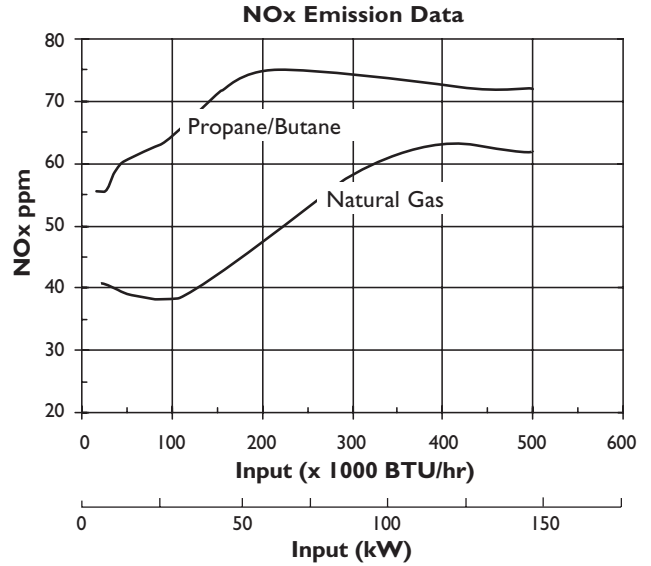
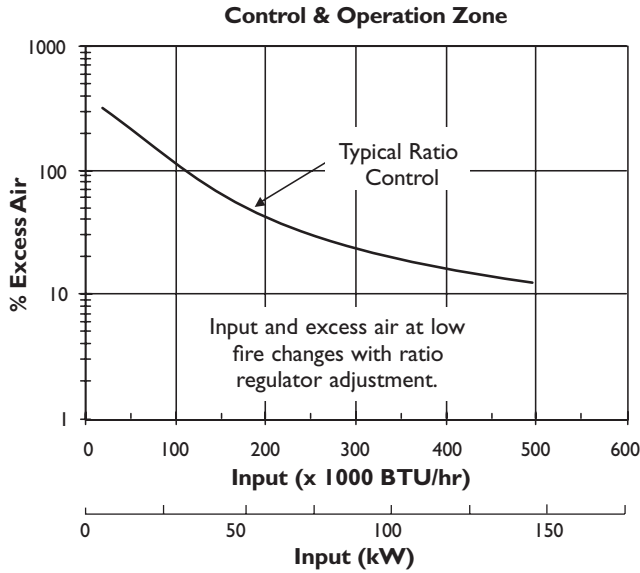
Version 3

Main Specifications - RM050

PARAMETER		SPECIFICATIONS			
		English		Metric	
		Capacity @ Chamber Pressure			
		BTU/hr	@ "w.c.	kW	@ mbar
Maximum input	60 Hz packaged blower	650,000	-5.0	190	-12,4
		600,000	-3.0	176	-7,5
		500,000	0.0	147	0,0
		460,000	1.0	135	2,5
		420,000	2.0	123	5,0
	50 Hz packaged blower	660,000	-5.0	193	-12,4
		610,000	-3.0	179	-7,5
		520,000	0.0	152	0,0
		490,000	1.0	144	2,5
		450,000	2.0	132	5,0
Minimum input	with high turndown ratio regulator	BTU/hr		kW	
	with standard ratio regulator	20,000		6	
Main gas inlet pressure • fuel pressure at ratio regulator inlet		10 to 20 "w.c.		25 to 50 mbar	
		24 in		600 mm	
High fire flame length • measured from the outlet end of the combustor		°F		°C	
	Alloy tube	1500		815	
Maximum chamber temperature	SiC tube	1900		1038	
	Flame detection	Flame rod or UV scanner			
Fuel	Natural Gas, Propane or Butane. For any other mixed gas, contact Eclipse Combustion for orifice sizing				

- All information is based on laboratory testing. Different chamber size and conditions will 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 RatioMatic RM050



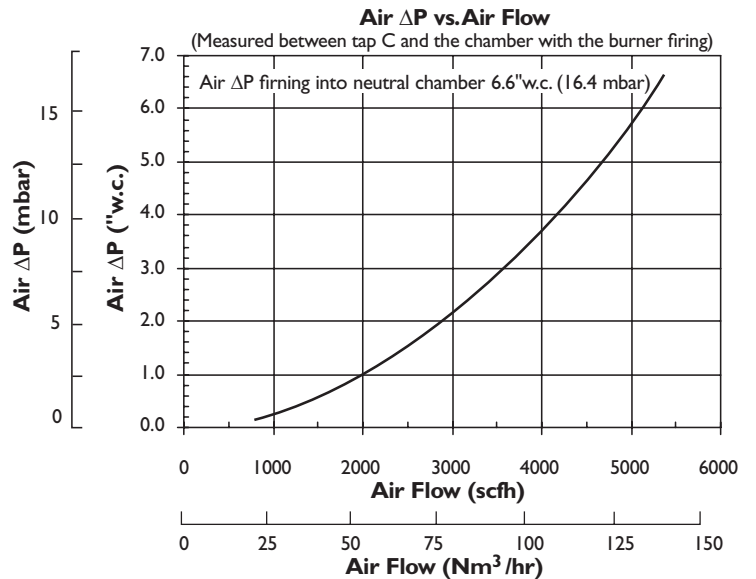
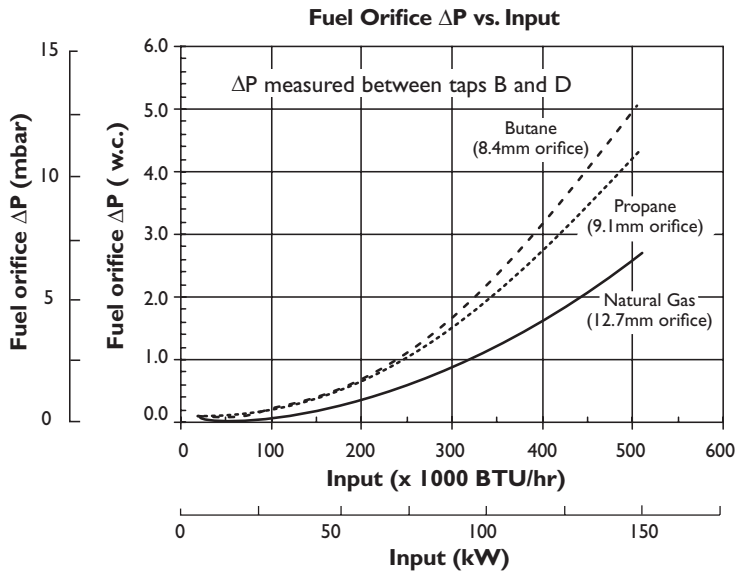
NOx emission data is given for:

- Ambient combustion air ~70 F (20 C)
- Less than 700 F (370 C) firing chamber
- Minimal process air velocity
- Low fire input adjusted to 20,000 BTU/hr (6kW)
- ppm volume, dry @ 3% O₂
- Neutral chamber pressure

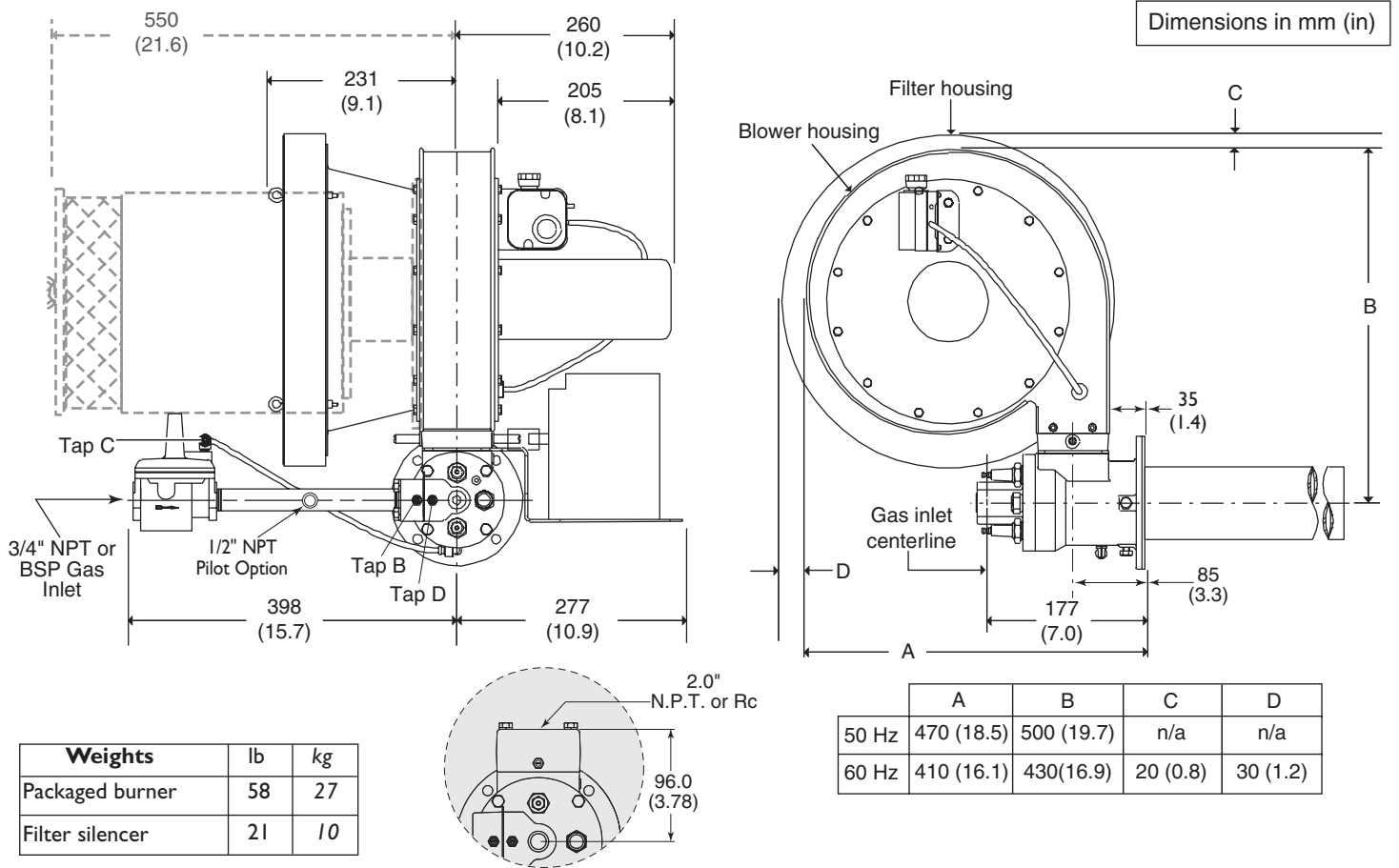
Emissions are influenced by:

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

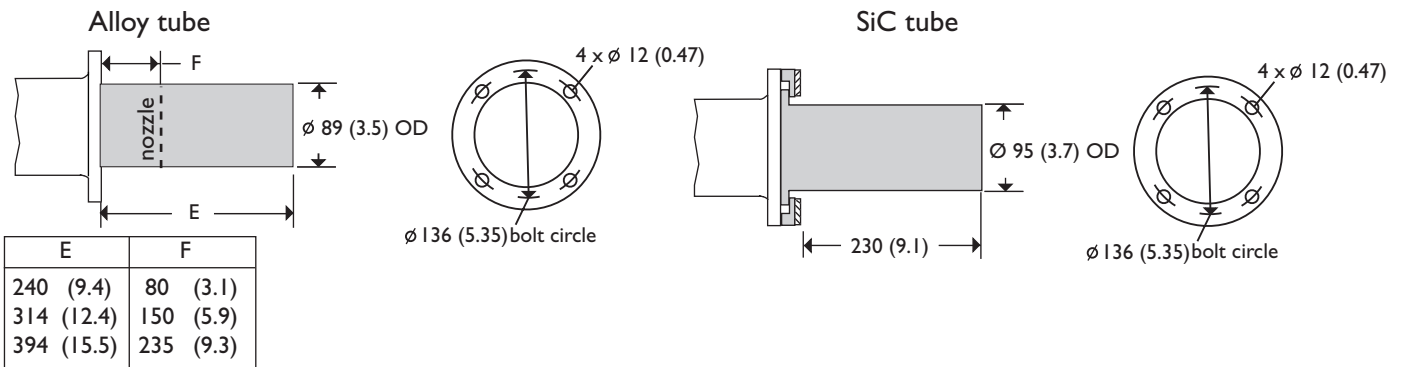
CO emission is largely influenced by chamber conditions. Contact your local Eclipse Combustion representative for an estimate of CO emission on your application



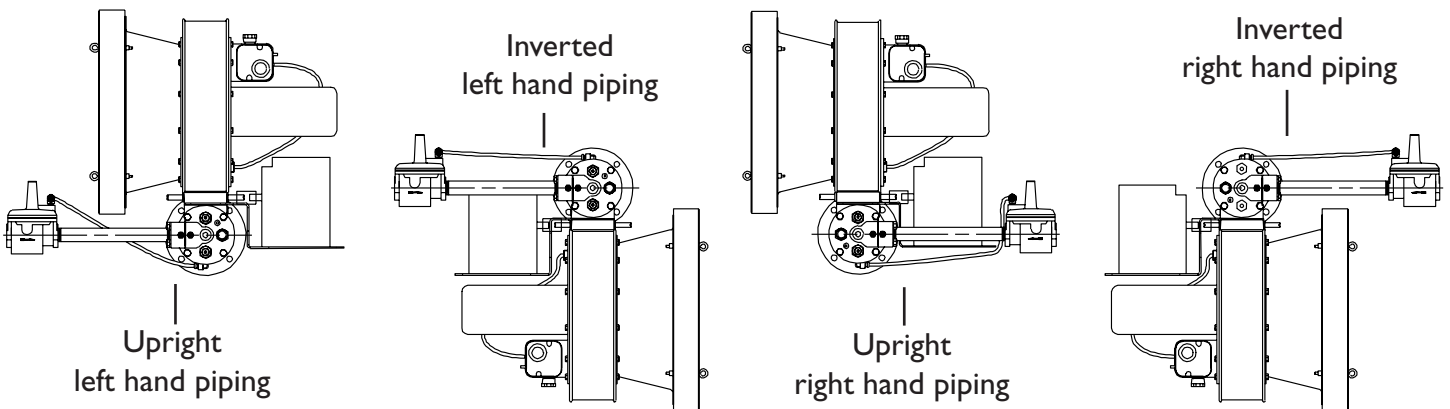
Dimensions-RM050



Combustor types



Burner configuration





Offered By:

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