



RatioMatic Burners

Model RM075

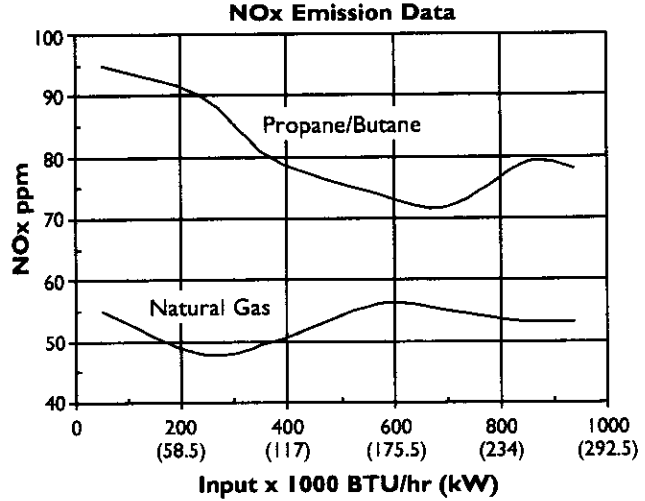
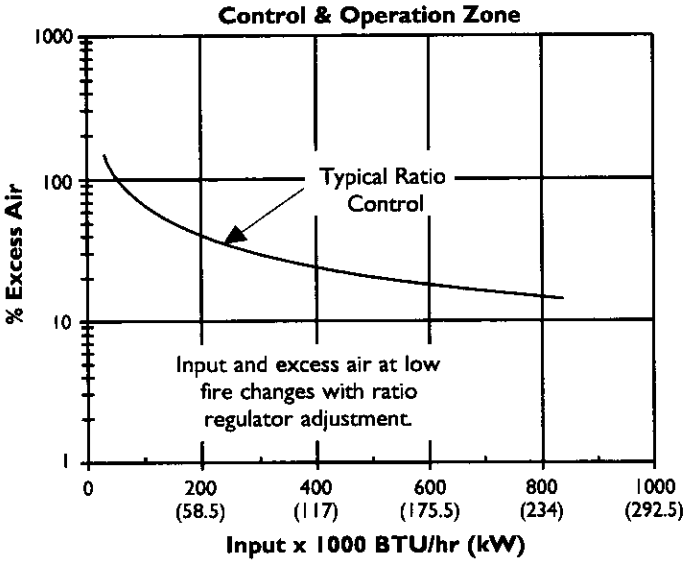
Version 3.00

Main Specifications - RM075

PARAMETER	SPECIFICATIONS				
Maximum input (Btu/hr) Note: Contact factory for varying chamber pressures or pressures outside the range: -2.0" to 2.0" w.c. (-5.0 to 5.0 mbar)	Frequency	BTU/hr	"w.c.	kW	mbar
	60 Hz Packaged Blower	1,070,000	-2.0	313	-5.0
		990,000	-1.0	290	-2.5
		900,000	0.0	263	0.0
		800,000	1.0	234	2.5
		680,000	2.0	199	5.0
	50 Hz Packaged Blower	1,070,000	-2.0	313	-5.0
		990,000	-1.0	290	-2.5
		900,000	0.0	263	0.0
		800,000	1.0	234	2.5
680,000		2.0	199	5.0	
Minimum input			BTU/hr	kW	
• with high turndown ratio regulator			30,000	9	
• with standard ratio regulator			40,000	12	
Main Gas Inlet Pressure			" w.c.	mbar	
• Fuel pressure at ratio regulator inlet			10 to 20	25 to 50	
High Fire Flame Length			inches	mm	
• Measured from the outlet end of combustor	Natural gas			30	762
	Propane / Butane			36	914
Maximum Chamber Temperature			° F	° C	
	Alloy Tube			1500	820
	SiC Tube			1900	1040
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 RM075



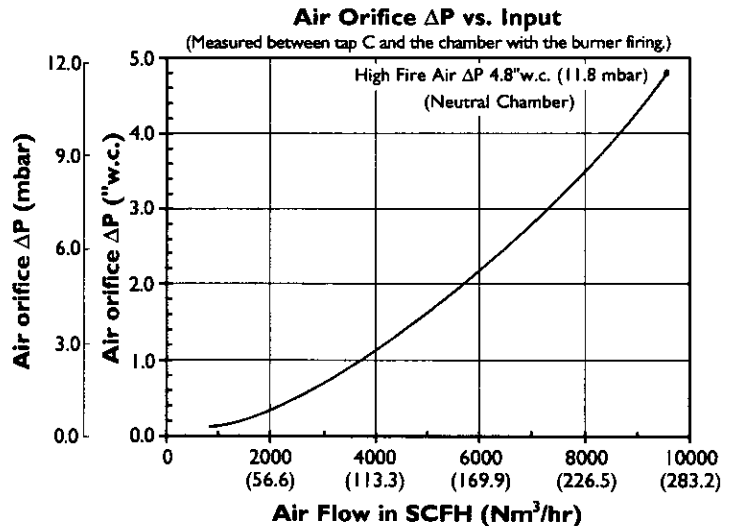
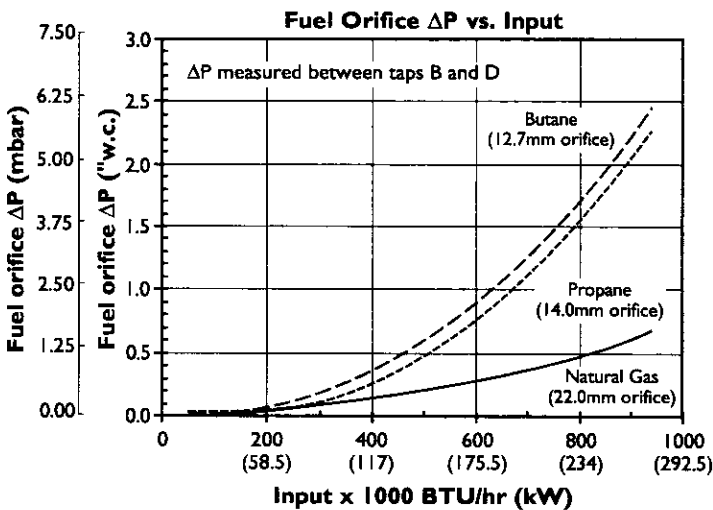
NOx emission data is given for:

- Ambient combustion air ~70 F (20 C)
- Less than 700 F (370 C) firing chamber
- Minimal process air velocity
- Low fire input adjusted to 40,000 BTU/hr (12kW)
- ppm volume, dry @ 3% O₂
- Neutral chamber pressure

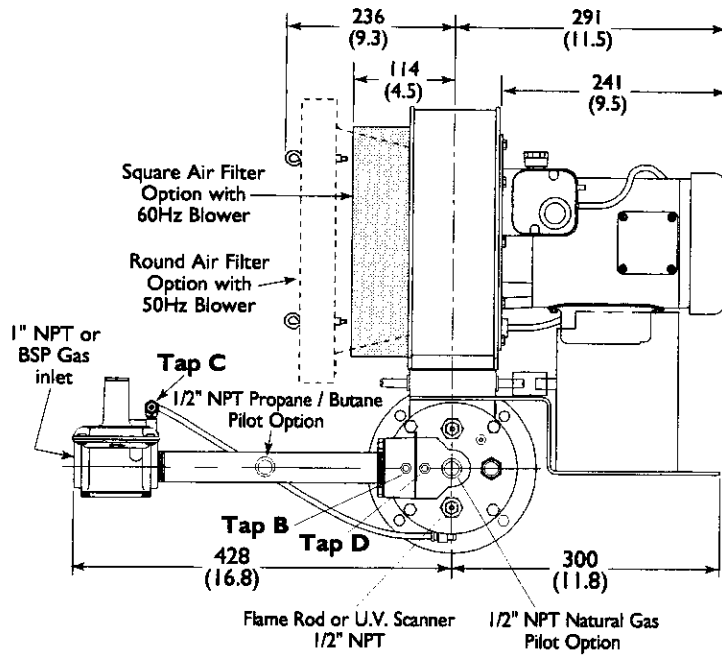
Emissions are influenced by:

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

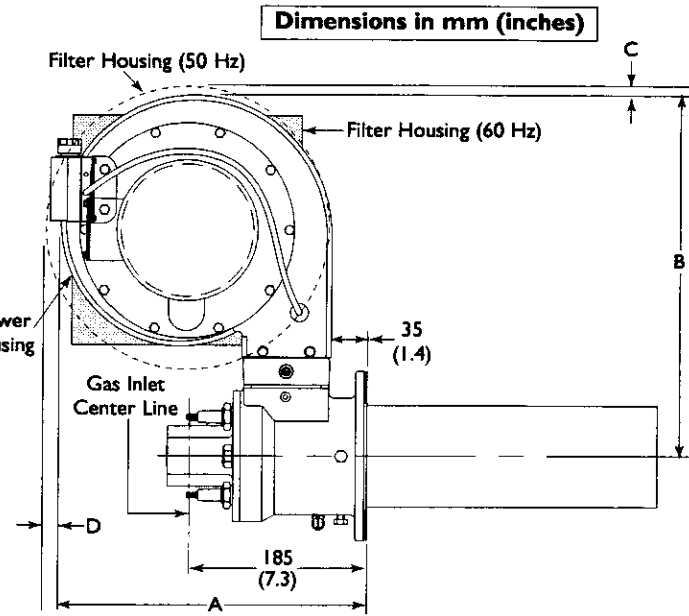
CO emission is largely influenced by chamber conditions. Contact your local Eclipse Combustion representative for an estimate of CO emission on your application



Dimensions-RM075



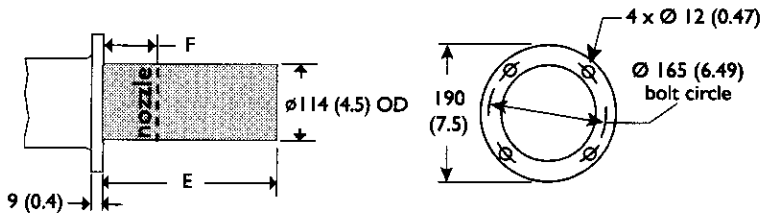
Weights: 75lb, 35kg



	A	B	C	D
50 Hz	425 (16.7)	475 (18.7)	10 (0.4)	23 (0.9)
60 Hz	351 (13.8)	403 (15.9)	N/A	N/A

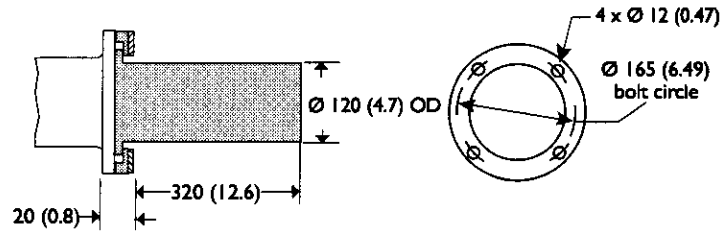
Combustor types

Alloy tube

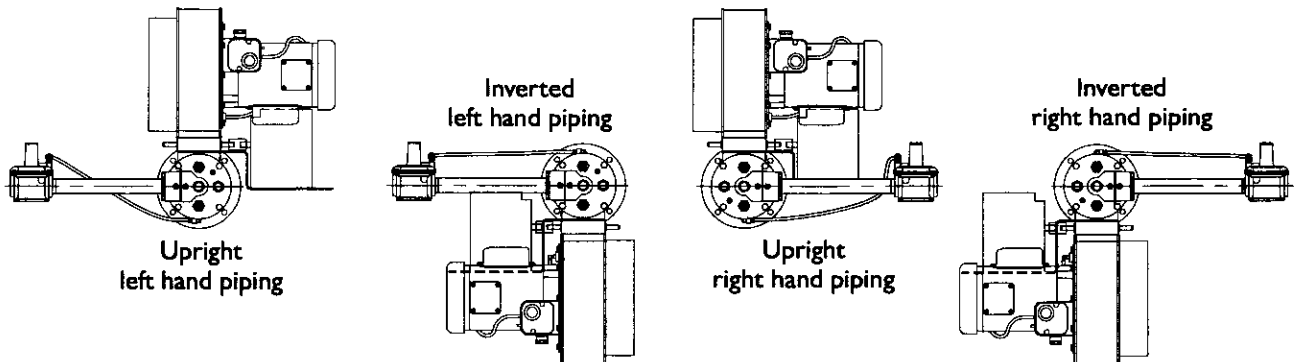


E	F
254 (10.0)	84 (3.3)
330 (13.0)	160 (6.3)
406 (16.0)	236 (9.3)

SiC tube



Burner configuration





Offered By:

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