

Eclipse RatioMatic

Burners

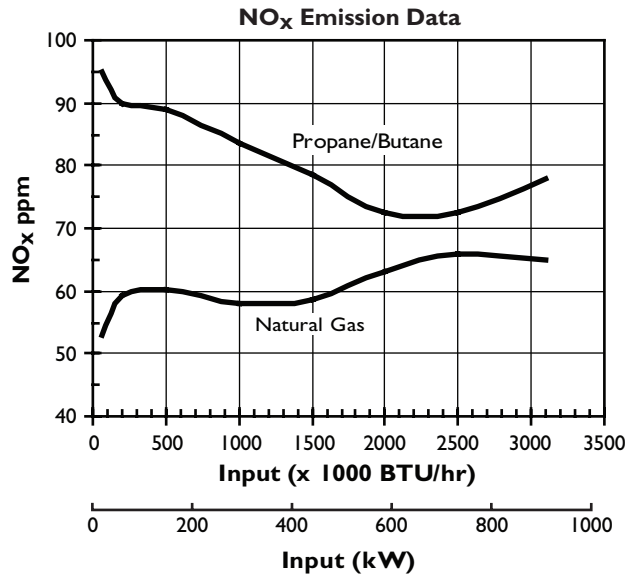
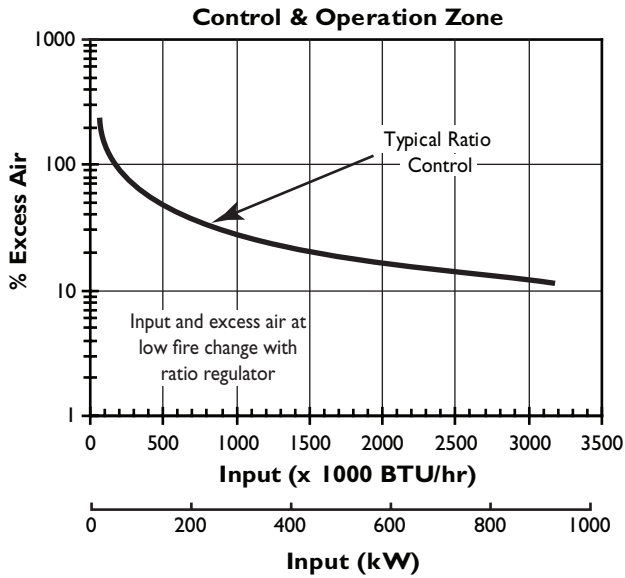
Model RM300
Version 3

Main Specifications - RM300

PARAMETER	SPECIFICATIONS				
Maximum input (Btu/hr) 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)	Frequency	BTU/hr	"w.c.	kW	mbar
		60 Hz packaged blower	3,550,000	-5.0	1040
	50 Hz packaged blower	3,220,000	-2.0	940	-5,0
		3,000,000	0.0	880	0,0
		2,740,000	2.0	800	5,0
		2,300,000	5.0	670	12,4
		3,500,000	-5.0	1020	-12,4
	50 Hz packaged blower	3,170,000	-2.0	920	-5,0
		2,950,000	0.0	860	0,0
		2,690,000	2.0	780	5,0
		2,250,000	5.0	650	12,4
Minimum input		BTU/hr		kW	
		65,000		19	
Main gas inlet pressure • fuel pressure at ratio regulator inlet		"w.c.		mbar	
	Natural gas	20 to 55		50 to 140	
	Propane / Butane	20 to 35		50 to 90	
High fire flame length • measured from the outlet end of the combustor		inches		mm	
	Natural gas	60		1500	
	Propane / Butane	65		1650	
Maximum chamber temperature		°F		°C	
	Alloy Tube	1500		815	
	SiC Tube	1900		1040	
Flame detection		Flame rod or UV scanner			
	SiC Tube	UV scanner only			
Fuel	Natural Gas, Propane or Butane. For any other mixed gas, contact Eclipse for orifice sizing.				

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



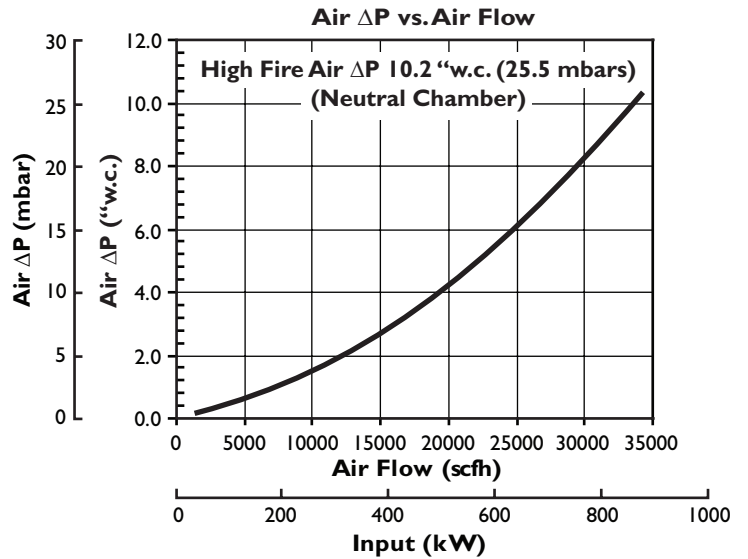
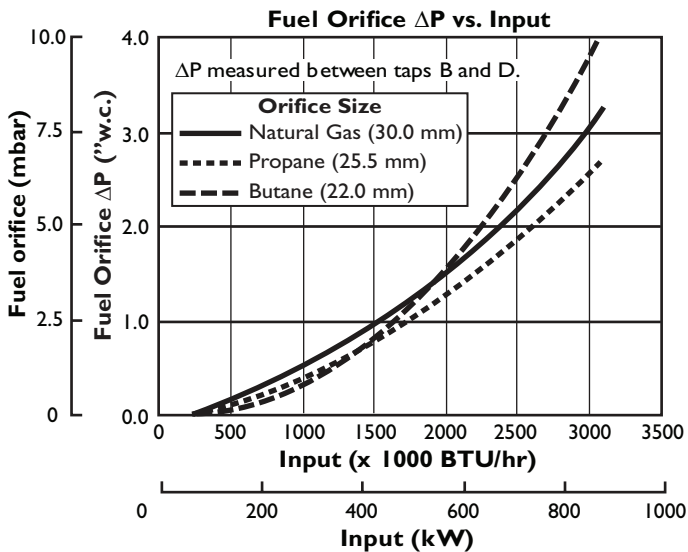
NO_x emission data is given for:

- Ambient combustion air ~70 F (20 C)
- Less than 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:

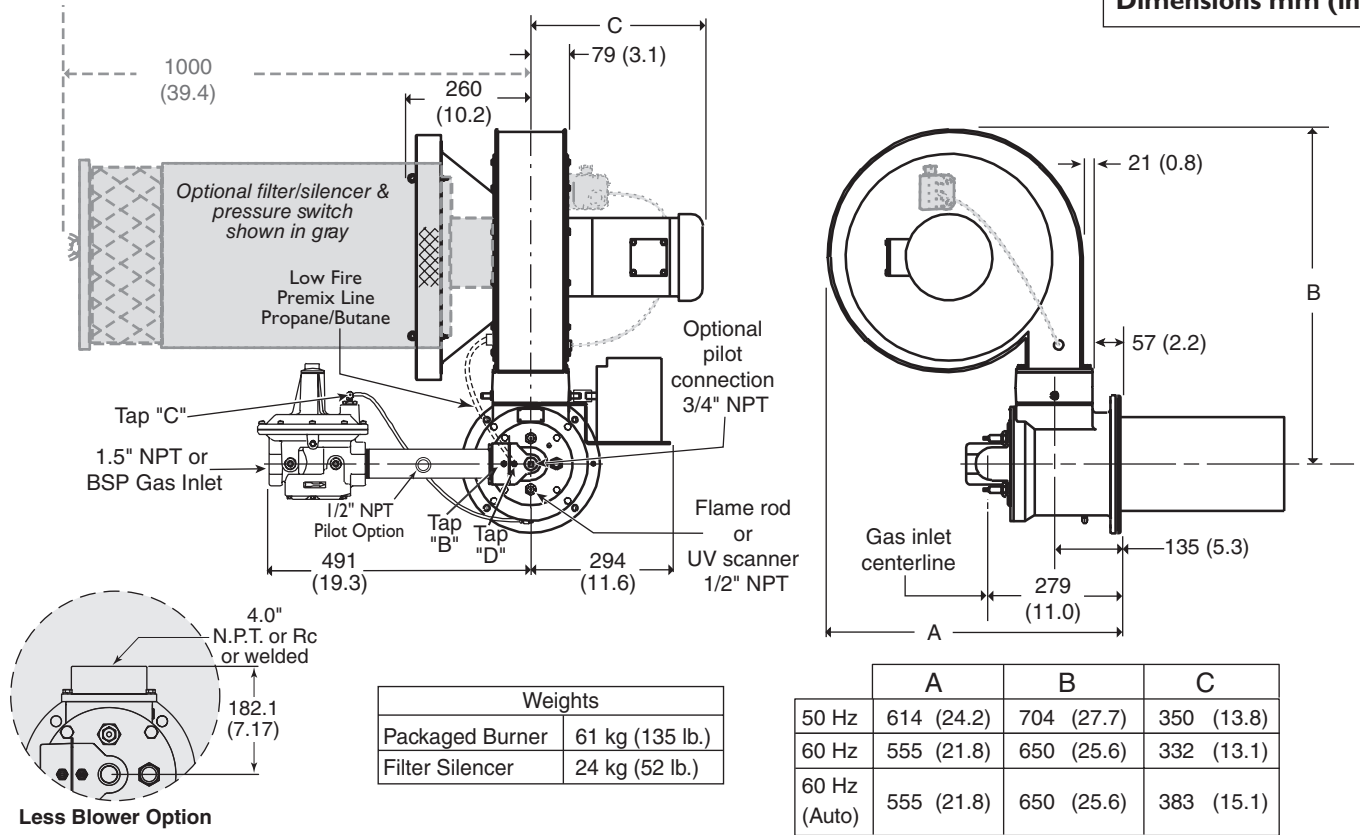
- Chamber conditions
- Fuel type
- Firing rate
- Ratio regulator adjustment
- Combustion air temperature

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



Dimensions & Specifications

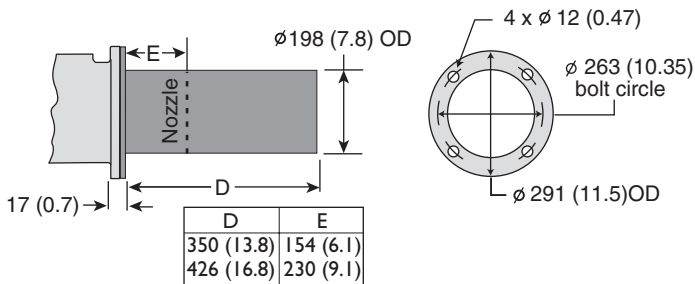
Dimensions mm (in)



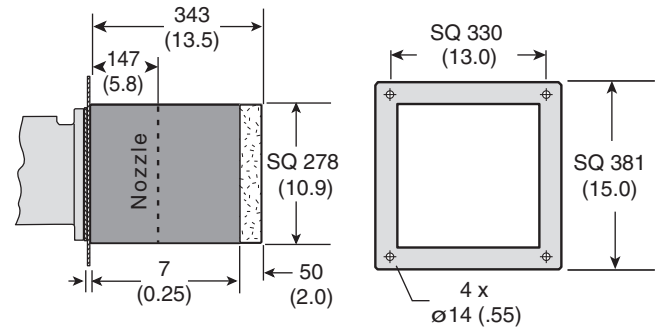
Note: See Price List 110 for available spare parts.

Combustor Types

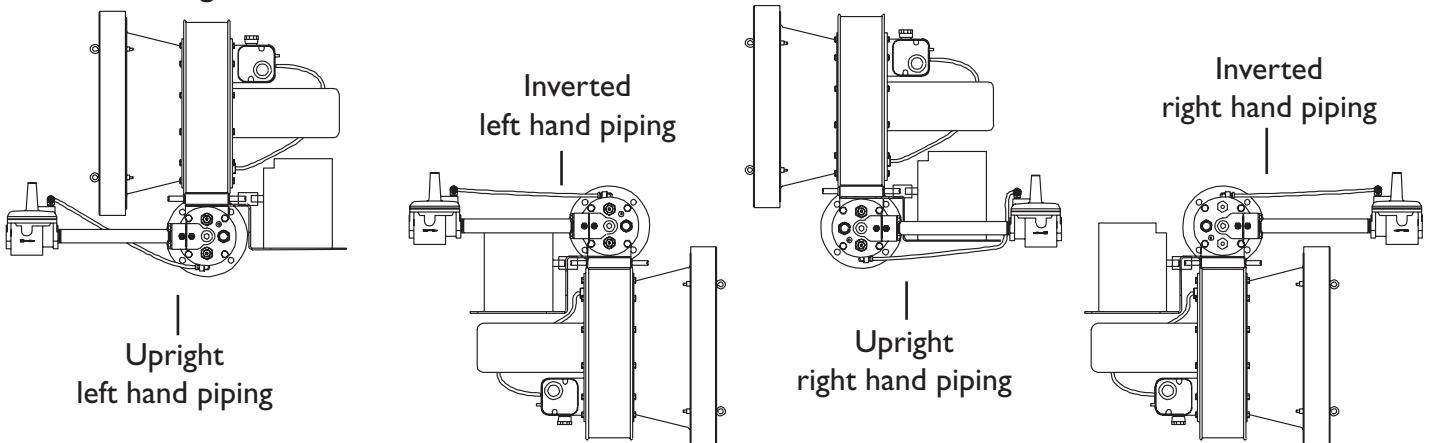
Alloy tube



Block & Holder



Burner Configuration





Offered By:

Power Equipment Company
2011 Williamsburg Road
Richmond, Virginia 23231
Phone (804) 236-3800
Fax (804) 236-3882

www.peconet.com