Honeywell
ECLIPSE

RatioMatic Burners Model RM2000

DATA SHEET

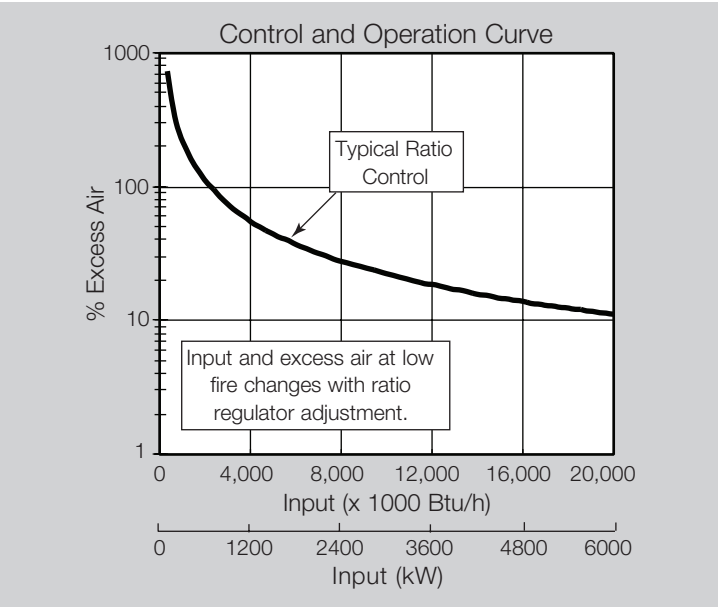
Edition 05.19
Version 6

Parameter	Specifications	
Blower Type	Chamber Pressure "w.c. (mbar)	60 Hz Packaged Blower
Maximum Input, Btu/h (kW)[1] For chamber pressures outside the given range or for varying chamber pressure conditions, contact Eclipse, Inc.	-5.0 (-12.5)	23,200,000 (6800)
	-3.0 (-7.5)	22,000,000 (6448)
	-1.0 (-2.5)	20,700,000 (6067)
	0 (0.0)	20,000,000 (5862)
	1.0 (2.5)	19,300,000 (5657)
	2.0 (5.0)	18,600,000 (5452)
Minimum Input, Btu/h (kW)[2] For lower inputs, contact Eclipse, Inc.	1,000,000 (293)	
Maximum Chamber Temperature °F (°C)	Burner with alloy tube	1500°F (815°C)
	Burner with refractory block	1900°F (1038°C)
Main Gas Inlet Pressure, "w.c. (mbar)[3] Fuel pressure at ratio regulator inlet	30 to 55 (75 to 138)	
Pilot Gas Pressure at the Pilot Cock Inlet	Minimum: 6" w.c. (15 mbar)	
High Fire Visible Flame Length, inches (mm) Measured from the outlet end of the combustor	150" (3.81 m) Measured from the end of the firing tube	
Pilot	Integral spark-ignited pilot	
Flame Detection	UV scanner only.	
Fuel[4] For any other mixed gas, contact Eclipse, Inc.	Standard nozzles burn natural gas, propane, propane/air mixes without changing internals.	
Blower Motor Power, Hp	20.0	
Weights, lbs (kg)[5]	Alloy Tube	1157 (525)
	Refractory	1627 (738)
Approvals	EAC	

1 *Maximum inputs for packaged blower versions are given for the standard combustion air blower without an inlet air filter.*
2 *Turndown input based on neutral chamber conditions. Contact Eclipse for other chamber pressures.*
3 *For proper performance, this pressure must be kept constant across the burner operating range.*
4 *See Design Guide 110 for more information about typical fuel composition and properties.*
5 *All weights are approximate.*

- *All information is based on laboratory testing. Different chamber conditions will affect the data.*
- *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.*

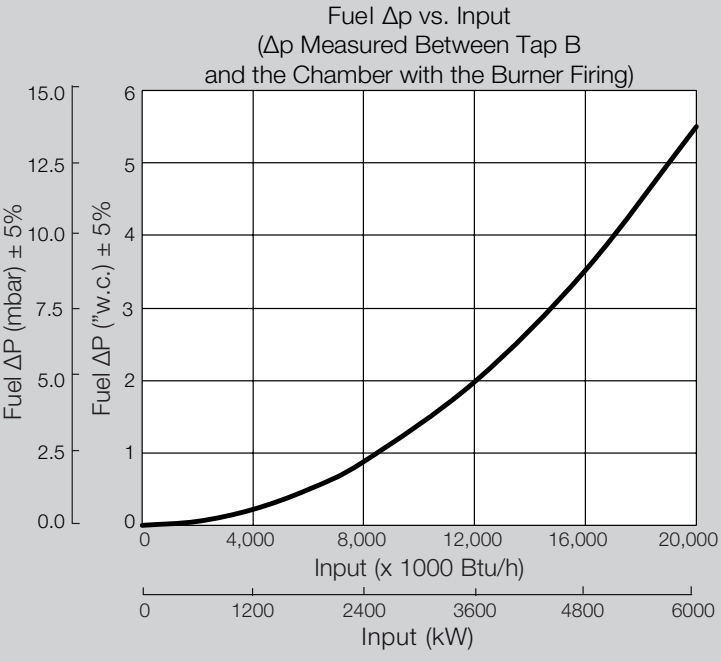
Performance Graphs

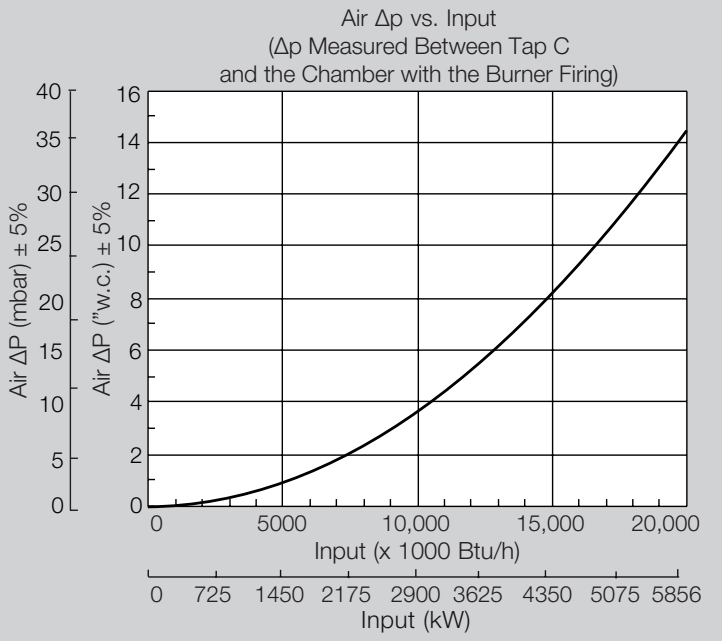


Emissions from the burner are influenced by:

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

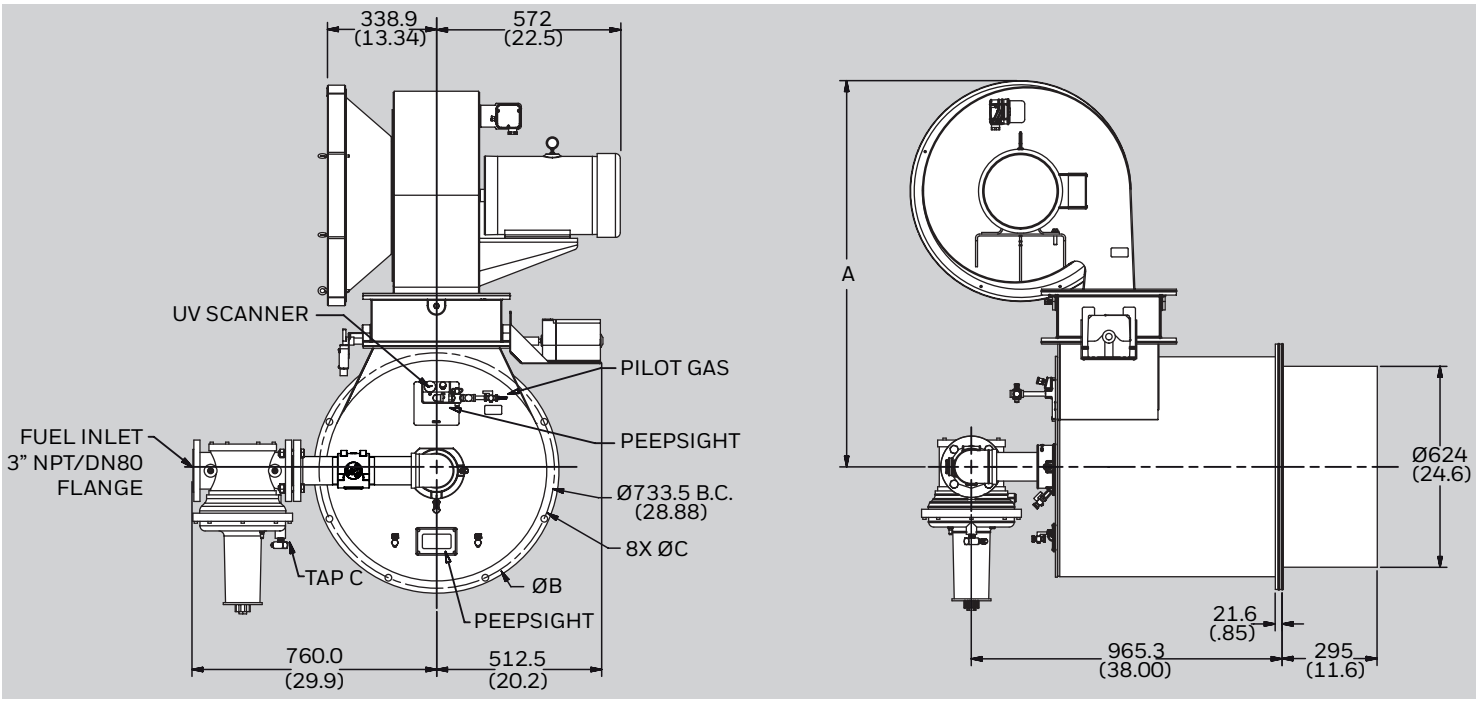
CO emission is largely influenced by chamber conditions. Contact your local Eclipse representative for an estimate of CO emission on your application.



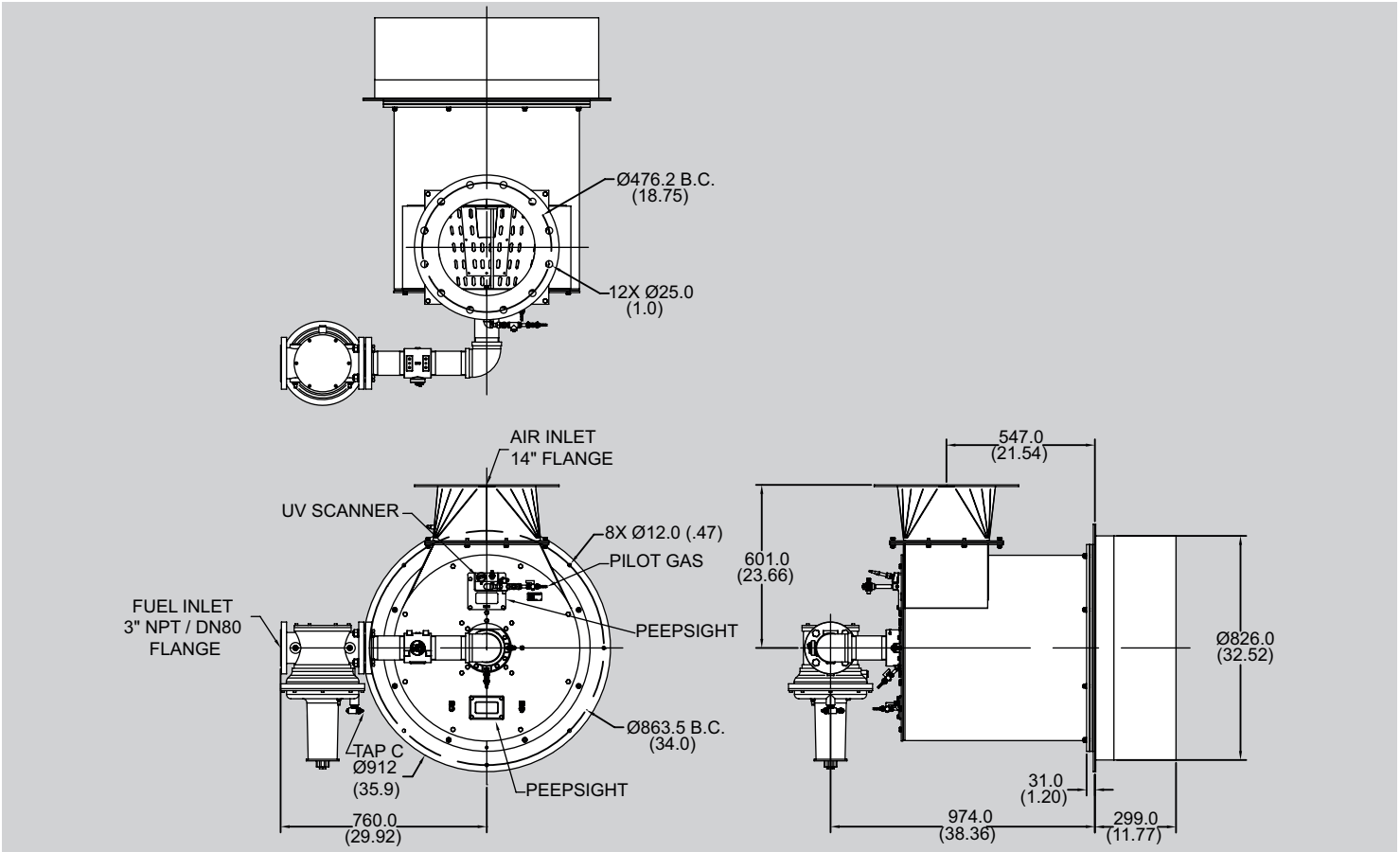


Dimensions and Specifications

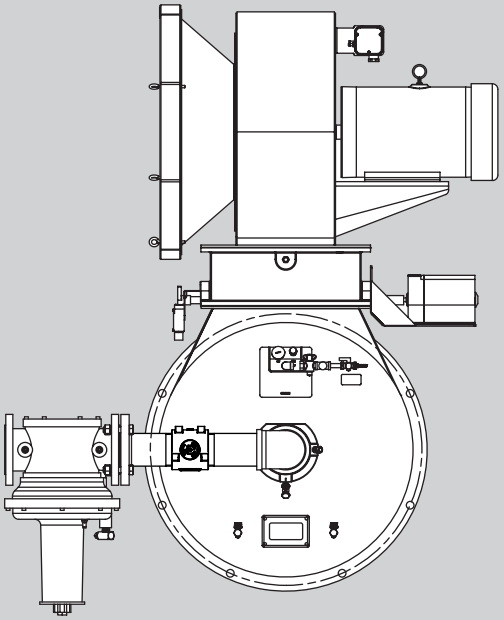
Dimensions in mm (inches)



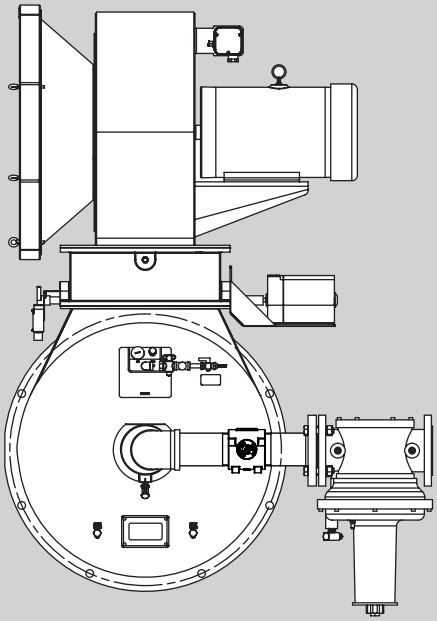
Burner	A	B	C
RM2000	1199 (47.2)	762 (30)	12 (0.5)



Burner Configurations



Left Hand Piping



Right Hand Piping

For More Information
The Honeywell Thermal Solutions family of products includes Honeywell Combustion Safety, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit ThermalSolutions.honeywell.com or contact your Honeywell Sales Engineer.

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32-00086-01 Edition 05.19
Printed in United States

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