

VANTAGE™

ROBERTS / GORDON®

Premium Harsh Environment Heater



**MODEL
HEM**

True Modulation For Precise Air-to-Gas Ratio

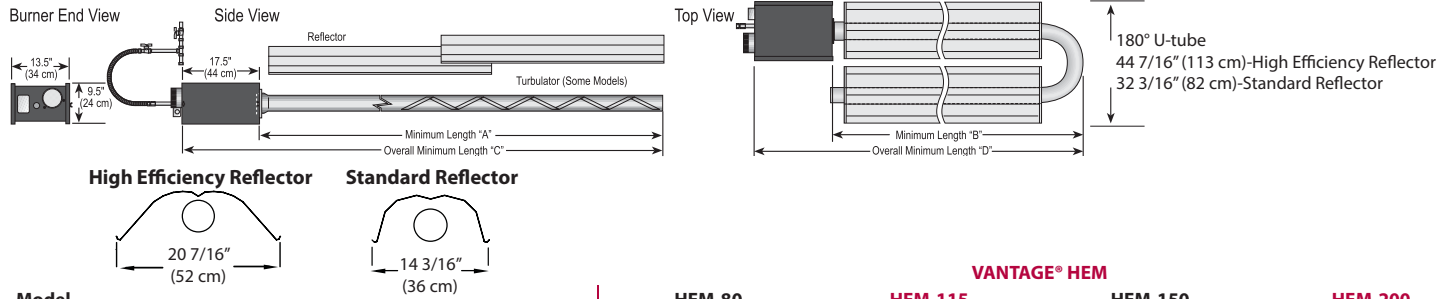
- Industrial grade enclosure for long-lasting high performance in harsh environments
- Fuel efficient operation with fully automatic or manual control of burner modulation
- Efficient and optimum combustion throughout full range of burner inputs ensured by pre-programmed burner controls that adjust both fuel and air
- System information and ease of service provided by comprehensive on-board diagnostics for fault and system status
- Approved for indoor and outdoor use



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THE INDUSTRY LEADER
RADIANT
EFFICIENCY™

ROBERTS GORDON® THE EXCLUSIVE PRODUCER OF CORAYVAC™



Model		HEM-80	HEM-115	HEM-150	HEM-200
Minimum Length of Straight Tube*	[ft] A	20	30	40	50
Minimum Length of U-tube*	[ft, in] B	11, 7	16, 7	21, 7	26, 7
Overall Minimum Length of Straight Tube	[ft, in] C	21, 5.5	31, 5.5	41, 5.5	51, 5.5
Overall Minimum Length of U-tube	[ft, in] D	13, 0.5	18, 0.5	23, 0.5	28, 0.5

*For additional lengths, please see the current Installation, Operation and Service Manual.

Minimum Input (Btu/h) x (1000)	(NG/LP)	52/55	75/78	100/105	130 (NG)
Maximum Input (Btu/h) x (1000)		80	115	150	200 (NG)
Inlet Pressure	[in wc] NG min. LPG Propane min. NG & LPG Propane max.	5.5 12 14	5.5 12 14	5.5 12 14	6.0 12 14
Gas Connection	NPT	1/2"	1/2"	3/4"	3/4"
Exhaust Flue	dia	4"	4"	4"	4"
Combustion Air Inlet	dia	4"	4"	5"	5"

Weights					
Aluminized Tube and Accessory Packages	[ft]	20	30	40	50
High Efficiency Aluminum Reflector	[lb]	89	124	167	213
Standard Aluminum Reflector	[lb]	86	120	161	206
Standard Stainless Steel Reflector	[lb]	113	152	208	265
Burner	[lb]	41			

U-tube Packages		
Aluminized U-tube for High Efficiency Aluminum Reflector	[lb]	23
Aluminized U-tube for Standard Aluminum Reflector	[lb]	19
Aluminized U-tube for Standard Stainless Steel Reflector	[lb]	20
Fuel		NG or LPG
Electrical Supply		120 V, 60 Hz, 1.3 A (Run) 4.8 A (Start)
Heat Exchanger Tubing		10 ft Sections, 4" dia, 16 Gauge, First 10 ft ALUMI-THERM® Steel Tubing (Remaining Heat Treated Aluminized Steel Tubing, or Double Coated Porcelain Tubing)
Reflector and End Caps		.024 Aluminum [Optional - .024 Stainless Steel Type 304]
Control System		Modulating Gas Valve and Hot Surface Electronic Ignition Control Four-Try, 100% Shut-Off, Prepurge, Post-purge, Auto Reset, Tri-Color LED Status/ Fault Indicator
Control Options		Zone Sensor, Thermostat, Modulating Thermostat, 10 K ohm Potentiometer, Remote 0-10 Vdc or 4-20 mA Signal
Approved As		Indoor and Outdoor (Vented or Unvented)
Certification		ANSI Z83.20/CSA 2.34
Warranty		Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)

Clearances to Combustibles **[in]

Model		HEM-80		HEM-115		HEM-150		HEM-200	
	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°
A		6	8	6	10	6	12	8	12
B		38	8	46	8	50	8	52	10
C		66	66	77	78	80	84	96	85
D		38	60	46	69	50	74	52	79

**Clearances B, C and D can be reduced by 50% for locations 25 ft (7 m) or more downstream of the burner. For other mounting options and associated clearances, complete installation, operation and service criteria, please see the current issue of the Installation, Operation and Service Manual.

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This product is not for residential use.
This document is intended to assist licensed professionals in the exercise of their professional judgment.