

VANTAGETM

ROBERTS / GORDON[®]

Premium Harsh Environment Heater



**MODEL
HEV**

The Perfect Solution for Extreme Conditions

- Approved for indoor and outdoor use
- Sealed burner box enclosure with separate compartment for combustion air provides long lasting performance in high moisture environments
- Design flexibility achieved with straight, U-tube, or L configurations and a broad range of burner sizes and tube lengths
- External LED burner status indicator
- On board diagnostic capabilities
- 24vac thermostat connection



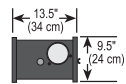
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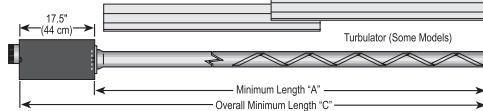
THE INDUSTRY LEADER
RADIANT
EFFICIENCYTM

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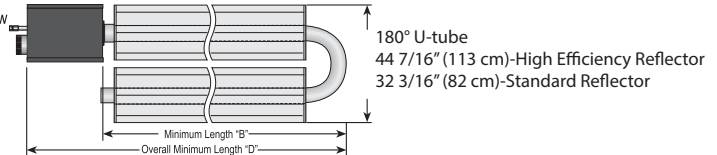
Burner End View



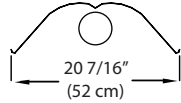
Side View



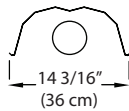
Top View



High Efficiency Reflector



Standard Reflector



		VANTAGE® HEV						
Model		HEV-40	HEV-60	HEV-80	HEV-100	HEV-125	HEV-150	HEV-175
Length of Straight Tube	[ft, in] A	10	20	20	30	40	50	60
Length of U-tube	[ft, in] B	N/A	11, 7	11, 7	16, 7	21, 7	26, 7	31, 7
Overall Minimum Length of Straight Tube	[ft, in] C	11, 5.5	21, 5.5	21, 5.5	31, 5.5	41, 5.5	51, 5.5	61, 5.5
Overall Minimum Length of U-tube	[ft, in] D	N/A	13, 0.5	13, 0.5	18, 0.5	23, 0.5	28, 0.5	33, 0.5
Input (Btu/h) x (1000)		40	65	80	100	125	150	175
Inlet Pressure	[in wc] NG min.	4.6	4.6	4.6	4.6	4.6	4.6	5
	LP min.	11	11	11	11	11	11	11
	NG & LP Propane max.	14	14	14	14	14	14	14
Gas Connection	NPT	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Exhaust Flue	dia	4"	4"	4"	4"	4"	4"	4"
Combustion Air Inlet	dia	4"	4"	4"	4"	4"	4"	4"
Weights								
Vent Cap Package Included	[lb]	4						
Aluminized Tube and Accessory Packages	[ft]	10	20	30	40	50	60	
High Efficiency Aluminum (ONLY) Reflector	[lb]	54	89	124	167	213	248	
Standard Aluminum Reflector	[lb]	52	86	120	161	206	240	
Standard Stainless Steel Reflector	[lb]	66	113	152	208	265	304	
Burner	[lb]	20						
U-Tube Packages								
Aluminized U-tube for High Efficiency Aluminum (ONLY) Reflector	[lb]	23						
Aluminized U-tube for Standard Aluminum Reflector	[lb]	19						
Aluminized U-tube for Standard Stainless Steel Reflector	[lb]	20						
Fuel		Natural Gas (NG) or Propane Gas (LP)						
Electrical Supply		120 V, 60 Hz, 1 A (Run)						
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)						
Exhaust Flue	dia	4"						
Reflector and End Caps		.024 Stainless Steel Type 304 (Optional - .024 Aluminum)						
Control System		Fully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control, LED Burner Status Light						
Approved As		Indoor and Outdoor (Vented or Unvented)						
Certification		ANSI Z83.20/CSA 2.34, 2.17, 2.20						
Warranty		Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)						

Clearances to Combustibles *[in]

Model		HEV-40		HEV-60		HEV-80		HEV-100		HEV-125		HEV-150		HEV-175	
Horizontal	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°
	A	6	8	6	8	6	8	6	10	6	10	6	12	8	12
	B	27	8	35	8	38	8	40	8	46	8	50	8	52	8
	C	53	51	63	60	66	66	71	74	77	78	80	84	82	85
	D	27	46	35	54	38	60	40	64	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.

These products are not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgment.

Roberts-Gordon LLC
1250 William Street
P.O. Box 44
Buffalo, NY 14240-0044 USA
Telephone: +1.716.852.4400
Fax: +1.716.852.0854
Toll Free: 800.828.7450
www.robertsgordon.com

