

# VANTAGE™

## 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

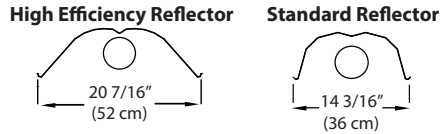
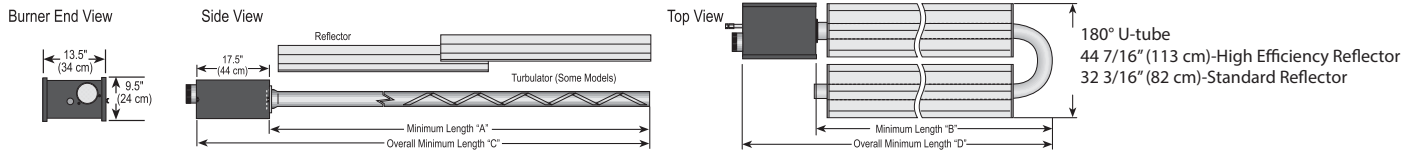


800.828.7450

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THE INDUSTRY LEADER  
**RADIANT**  
EFFICIENCY™

# ROBERTS GORDON® THE EXCLUSIVE PRODUCER OF CORAYVAC™



Model	VANTAGE® HEV							
	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	30	40	50	
Length of U-tube [ft, in] B	N/A	11, 7	11, 7	16, 7	16, 7	21, 7	26, 7	
Overall Minimum Length of Straight Tube [ft, in] C	11, 5, 5	21, 5, 5	21, 5, 5	31, 5, 5	31, 5, 5	41, 5, 5	51, 5, 5	
Overall Minimum Length of U-tube [ft, in] D	N/A	13, 0, 5	13, 0, 5	18, 0, 5	18, 0, 5	23, 0, 5	28, 0, 5	
<b>Input (Btu/h) x (1000)</b>	<b>40</b>	<b>65</b>	<b>80</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>175</b>	
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 3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
Exhaust Flue	dia 4"	4"	4"	4"	4"	4"	4"	
Combustion Air Inlet	dia 4"	4"	4"	4"	4"	4"	4"	
<b>Weights</b>								
Vent Cap Package Included [lb]	4							
<b>Aluminized Tube and Accessory Packages</b> [ft]	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>		
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		
<b>Burner</b> [lb]	20							
<b>U-Tube Packages</b>								
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	
	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.**

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