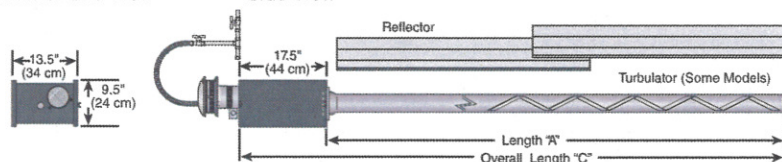
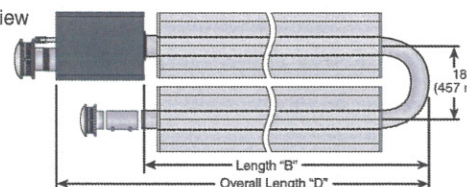


Burner End View

Side View



Top View



VANTAGE® HE

Model		HE-40	HE-60	HE-80	HE-100	HE-125	HE-150	HE-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	51, 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	60	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						
Overall Length of Tube and Accessory Packages	(ft)	10	20	30	40	50	60	
Aluminized Tube with Aluminum Reflector	(lb)	52	86	120	161	206	240	
Aluminized Tube with Stainless Steel Reflector	(lb)	66	113	152	208	265	304	
Burner		40						
U-Tube Packages	(lb)							
Aluminized Tube with Aluminum End Caps		19						
Aluminized Tube with Stainless Steel End Caps		20						

Fuel	Natural Gas (NG) or Propane Gas (LP)
Electrical Supply	120 V, 60 Hz, 1 A (Run) 5 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)
Exhaust Flue	dia 4"
Reflector and End Caps	.024 Stainless Steel Type 304 (Optional - .024 Aluminum)
Control System	Honeywell® SmartValve® II Combines Gas Valve and Hot Surface Electronic Ignition Control Fully Automatic, Four-Try, 100% Shut-Off, Prepurge, Auto Reset, LED Indicator Status
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		HE-40	HE-60	HE-80	HE-100	HE-125	HE-150	HE-175
Horizontal	45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°
		6 8	6 8	6 8	6 10	6 10	6 12	8 12
		27 8	35 8	38 8	40 8	46 8	50 8	52 8
		53 51	63 60	66 66	71 74	77 78	80 84	82 85
		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.

Installation Code and Annual Inspections:

All installation and service of ROBERTS GORDON® equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Roberts-Gordon LLC and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service, operation and labeling of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon LLC recommends that a qualified contractor conduct, at a minimum, annual inspections of your ROBERTS GORDON® equipment and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon LLC.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ROBERTS GORDON® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

These products (with the exception of the CGTH and UHA[X]S30 - 75) are not for residential use.

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