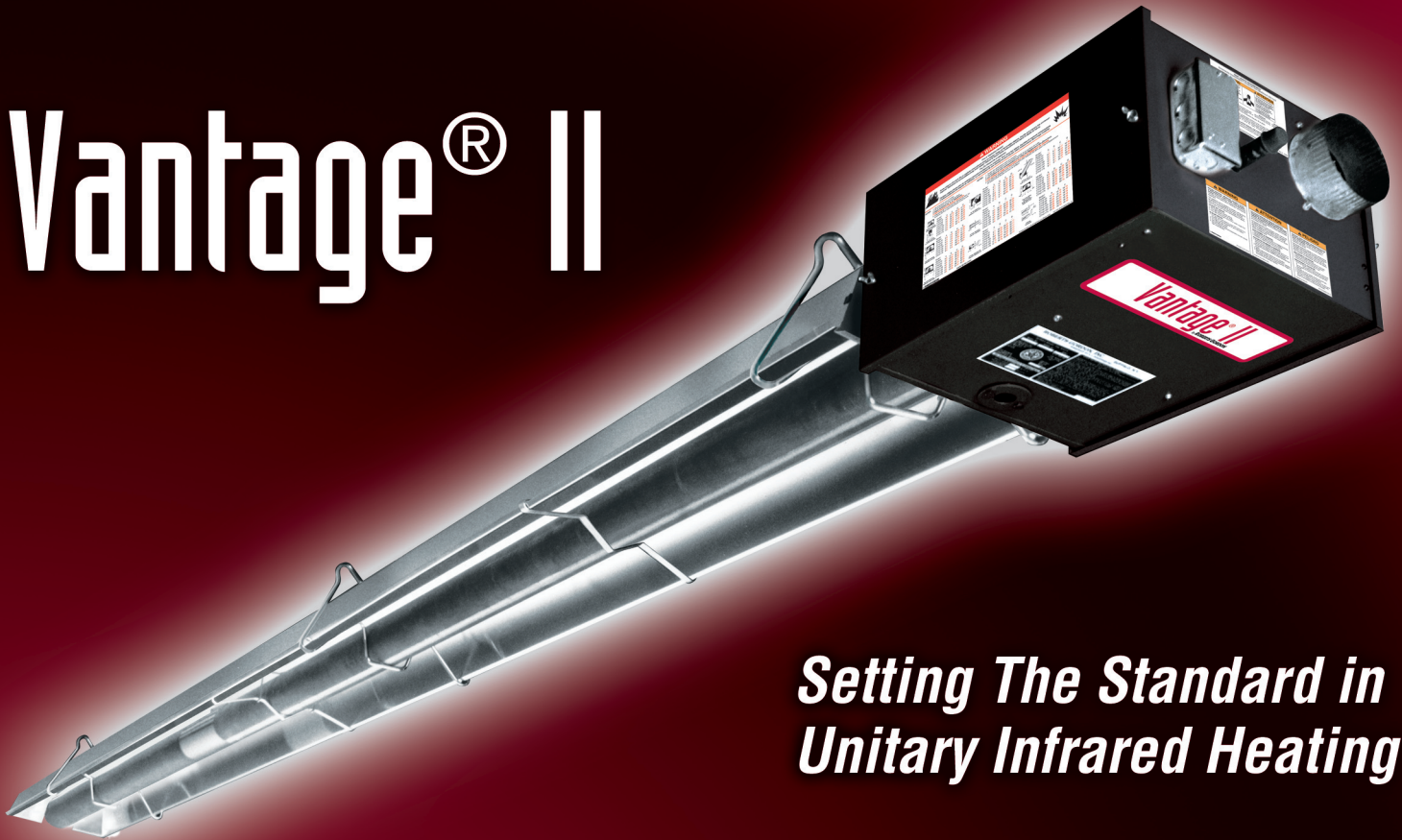




ROBERTS GORDON®

Vantage® II



Setting The Standard in Unitary Infrared Heating

- *Diagnostic capability incorporated in burner design*
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- *Years of field-proven product performance*
- *Burner box design with protective enclosure for controls minimizes exposure to dirt and moisture from combustion air*
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*Reduce Energy Use
By Up To
50%*

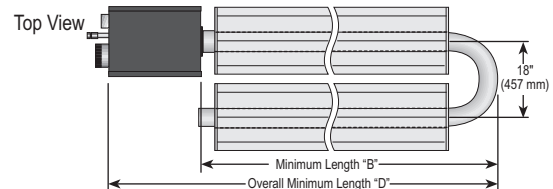
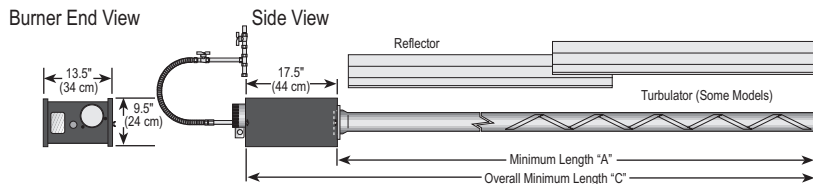
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Quality in Any Language™



VANTAGE® II

Model		CTH2-40	CTH2-60	CTH2-80	CTH2-100	CTH2-125	CTH2-150	CTH2-175
Minimum Length of Straight Tube*	[ft] A	10	20	20	30	40	50	60
Minimum 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	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
	LPG Propane min.	11	11	11	11	11	11	11
	NG & LPG Propane max.	14	14	14	14	14	14	14
Gas Connection	NPT	½"	½"	½"	½"	½"	¾"	¾"

Weights								
Overall Length of Tube and Accessory Packages	[ft]	10	20	30	40	50	60	70
Hot Rolled or Aluminized Tube with Aluminum Reflector	[lb]	52	86	120	161	206	240	281
Aluminized Tube with Stainless Steel Reflector	[lb]	66	113	152	208	265	304	360
Burner	[lb]	40						
Aluminized U-tube with Aluminum End Caps	[lb]	19						
Aluminized U-tube with Stainless Steel End Caps	[lb]	20						

Fuel	NG or LPG Propane
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 Hot Rolled, Heat Treated Aluminized or Double Porcelain Coated Steel Tubing]
Exhaust Flue	dia 4"
Reflector and End Caps	.024 Aluminum [Optional - .024 Stainless Steel Type 304]
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 (Vented or Unvented)
Certification	ANSI Z83.20/CSA 2.34, 2.17
Warranty	Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)

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

Clearances to Combustibles **[in]

Model		CTH2-40		CTH2-60		CTH2-80		CTH2-100		CTH2-125		CTH2-150		CTH2-175	
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.

Installation Code and Annual Inspections:

All installations 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 and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon recommends that a qualified contractor annually inspect your ROBERTS GORDON® equipment and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon.

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.

This product is not for residential use.

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

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