





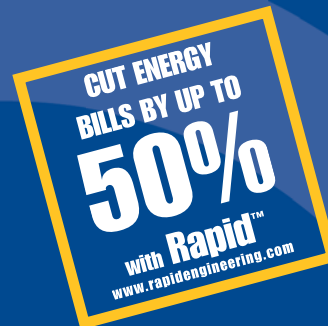


BH-Series

RapidTM *Engineering*

The Economical Unitary Infrared Heater

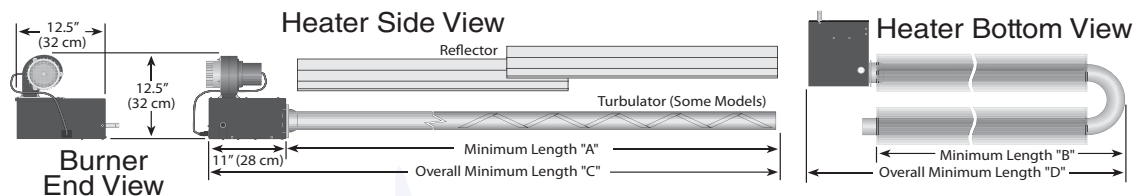
-  Longer life provided by durable components.
-  Clean, quiet draft-free comfort.
-  Easy serviceability provided through hinged door design.
-  Design flexibility achieved with multiple configurations including both L- and U-tube options and broad range of burner sizes and tube lengths.



1.800.536.3461
www.rapidengineering.com



RAPID™ BH-Series



Model		BH-40	BH-60	BH-80	BH-100	BH-115	BH-125	BH-140	BH-150	BH-175	BH-200
Minimum Length of Straight Tube*	(ft, in) A	10	20	20	30	30	40	40	50	50	60
Minimum Length of U-Tube*	(ft, in) B	N/A	11, 7	11, 7	16, 7	16, 7	21, 7	21, 7	26, 7	26, 7	31, 7
Overall Minimum Length of Straight Tube*	(ft, in) C	10, 11	20, 11	20, 11	30, 11	30, 11	40, 11	40, 11	50, 11	50, 11	60, 11
Overall Minimum Length of U-Tube*	(ft, in) D	N/A	12, 6	12, 6	17, 6	17, 6	22, 6	22, 6	27, 6	27, 6	32, 6

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

Input (Btu/h) x (1000)		40	60	80	100	115	125	140	150	175	200
Inlet Pressure	(in wc) NG min.	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5	5
	LPG Propane min.	11	11	11	11	11	11	11	11	11	11
	NG & LPG Propane max.	14	14	14	14	14	14	14	14	14	14
Gas Connection	NPT	½"	½"	½"	½"	½"	½"	¾"	¾"	¾"	¾"
Weights											
Overall Length of Tube and Accessory Packages (ft)		10	20	30	40	50	60	70	80		
Hot Rolled or Aluminized Tube with Aluminum Reflector	(lb)	52	86	120	161	206	240	281	322		
Aluminized Tube with Stainless Steel Reflector	(lb)	66	113	152	208	265	304	360	416		
Burner	(lb)	29									
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									
Heat Exchanger Tubing		10 ft Sections, 4" dia, 16 Gauge, First 10 ft ALUMI-THERM® Steel Tubing (Remaining Hot Rolled or Heat Treated Aluminized Tubing)									
Exhaust Flue	dia	4"									
Reflector and End Caps		.024 Aluminum (Optional - .024 Stainless Steel Type 304)									
Control System		Fully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control									
Approved As		Indoor (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		BH-40	BH-60	BH-80	BH-100	BH-115/125	BH-140/150	BH-175/200
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	52 50	62 59	65 65	70 73	76 77	79 83	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 installation and service of RAPID™ equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Rapid Engineering and conform to all requirements set forth in the RAPID™ manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Rapid Engineering recommends that a qualified contractor annually inspect your RAPID™ equipment and perform service where necessary, using only replacement parts sold and supplied by Rapid Engineering.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through RAPID™ 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.

Rapid Engineering

1100 Seven Mile Road NW

Comstock Park, MI 49321

Telephone: 616.784.0500

Toll Free: 800.536.3461

Fax: 616.784.1910

www.rapidengineering.com