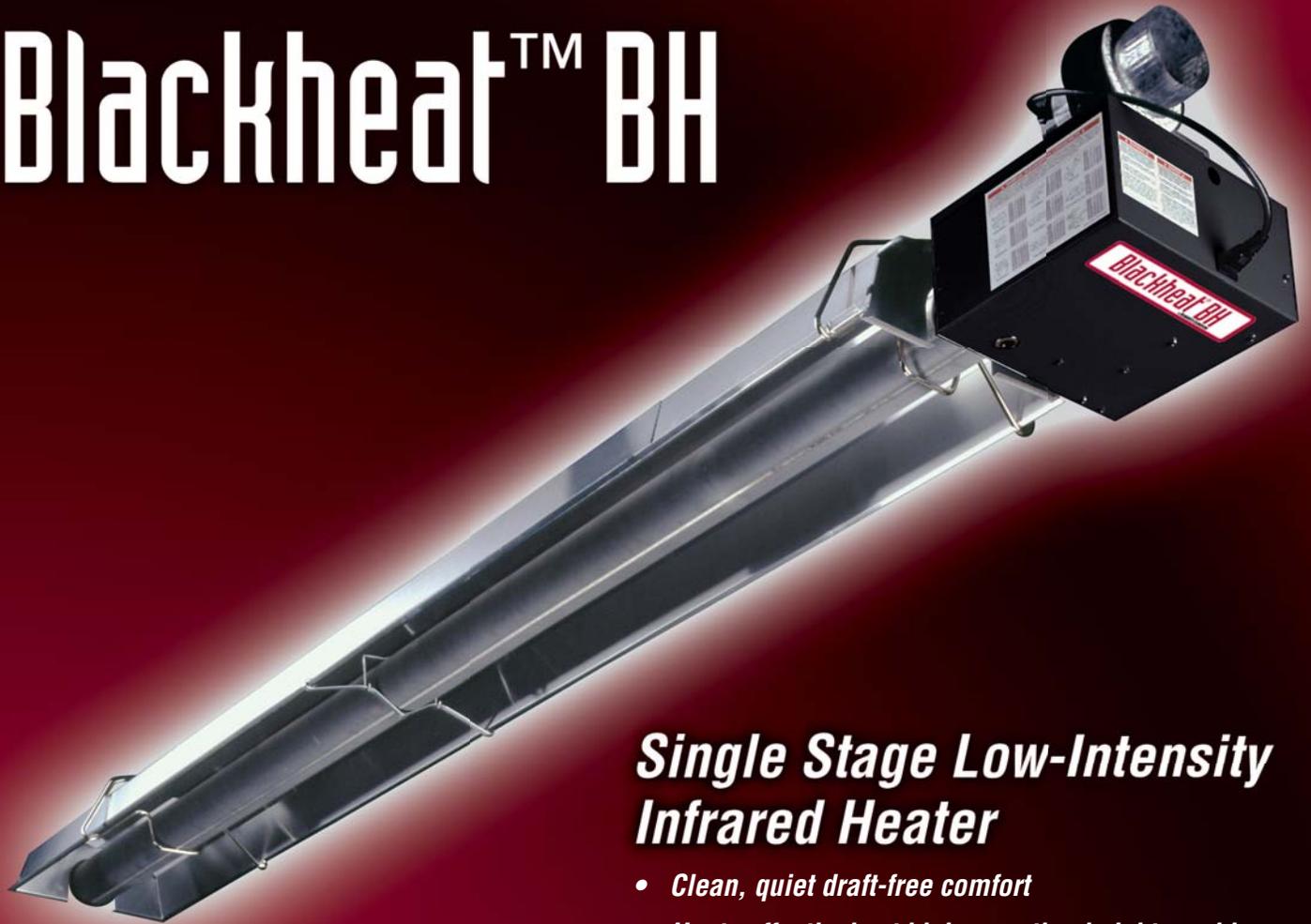


ROBERTS GORDON®

Blackheat™ BH



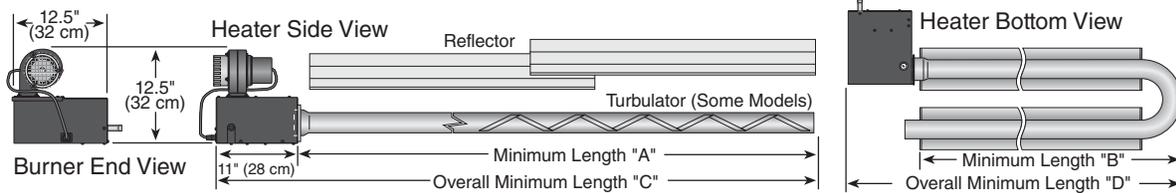
Single Stage Low-Intensity Infrared Heater

- *Clean, quiet draft-free comfort*
- *Heats effectively at high mounting heights and in high heat loss environments*
- *Flexible layout options including both L - and U-tube configurations along a broad range of burner sizes and tube lengths*
- *Easy serviceability provided through hinged door design*
- *Long lasting performance provided by durable components*

*Reduce Energy Use
By Up To*
50%

800.828.7450
www.robertsgordon.com





Model	BLACKHEAT™ BH										
	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	N/A
	NG & LPG Propane max.	14	14	14	14	14	14	14	14	14	14 (NG Only)
Gas Connection	NPT	½"	½"	½"	½"	½"	½"	¾"	¾"	¾"	¾"
Combustion Air Inlet	dia	4"									
Exhaust Flue	dia	4"									
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, Heat Treated Aluminized or Double Porcelain Coated Steel Tubing]									
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	Horizontal	45°	BH-40		BH-60		BH-80		BH-100		BH-115/125		BH-140/150		BH-175/200	
			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 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 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

© 2015 Roberts-Gordon LLC All rights reserved. No part of this work covered by the copyrights herein may be reproduced or copied in any form or by any means – graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems – without written permission of Roberts-Gordon LLC.