COMPACT™

ROBERTS GORDON®

Single Stage Infrared Heater

MODEL BH

The Economical Unitary Infrared Heater for Industrial and Commercial Applications

- 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 a broad range of burner sizes and tube lengths

DESIGN CERTIFIED®

CSA CERTIFIED®

THE INDUSTRY LEADER

RADIANT EFFICIENCY™

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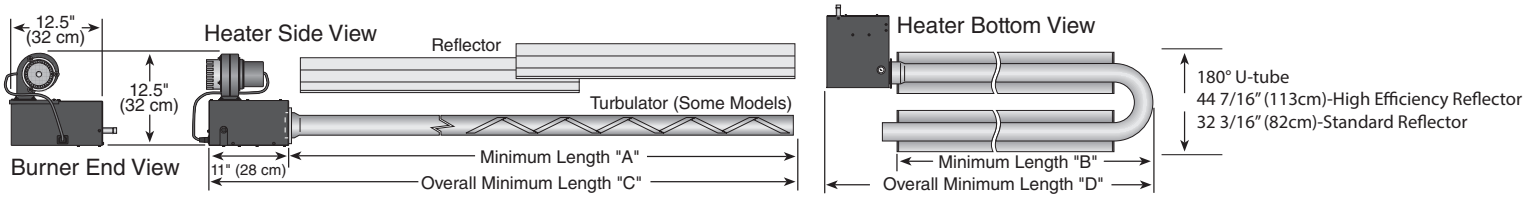
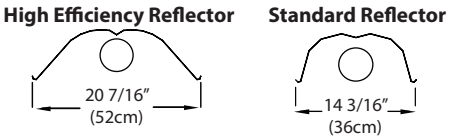


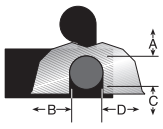
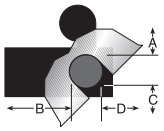


Model		COMPACT™ BH BH-40	BH-60	BH-80	BH-100	BH-115	BH-125	BH-140	BH-150	BH-175	BH-200
Minimum Length of Straight Tube*	[ft, in] A	10	20	20	30	30	40	40	50	50	60
Minimum Length of U-Tube*	[ft, in] B	N/A	11, 7	11, 7	16, 7	16, 7	21, 7	21, 7	26, 7	26, 7	31, 7
Overall Minimum Length of Straight Tube*	[ft, 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											
Hot Rolled or Aluminized Tube and Accessory Packages [ft]		**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**		
High Efficiency Aluminum Reflector	[lb]	54	89	124	167	213	248	291	334		
Standard Aluminum Reflector	[lb]	52	86	120	161	206	240	281	322		
Burner	**[lb]**	29									
U-tube Packages											
Aluminized U-tube for High Efficiency Reflector	[lb]	23									
Aluminized U-tube for Standard Reflector	[lb]	19									
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		BH-40		BH-60		BH-80		BH-100		BH-115/125		BH-140/150		BH-175		BH-200	
Horizontal	45°	Horiz.	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	8	12
	B	27	8	35	8	38	8	40	8	46	8	50	8	52	8	52	10
	C	52	50	62	59	65	65	70	73	76	77	79	83	82	85	96	85
	D	27	46	35	54	38	60	40	64	46	69	50	74	52	79	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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