



ROBERTS GORDON®

Blackheat™ BH



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 a broad range of burner sizes and tube lengths*

**Reduce Energy Use
By Up To**

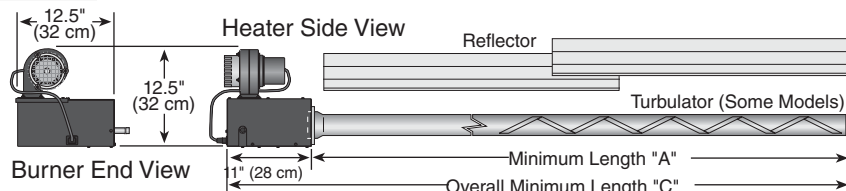
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800.828.7450

www.rg-inc.com

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BLACKHEAT™ BH • IRHS-80 RTH-75A Replacement Heater

Model		IRHS-80-20
Minimum Length of Straight Tube*	[ft, in] A	20
Overall Minimum Length of Straight Tube*	[ft, in] C	20, 11

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

Input (Btu/h) x (1000)		80
Inlet Pressure	[in wc] NG min. LPG Propane min. NG & LPG Propane max.	4.6 11 14
Gas Connection	NPT	1/2"
Combustion Air Inlet	dia	4"
Exhaust Flue	dia	4" (Ships with 4"x5" flue adapter to match existing RTH-75A Exhaust Flue)
Weights		
Overall Length of Tube and Accessory Packages	[ft]	20
Aluminized Tube with Stainless Steel Reflector	[lb]	113
Burner	[lb]	29
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 Heat Treated Aluminized Steel Tubing]
Reflector and End Caps		.024 Aluminum
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-80											
Horizontal	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
		B	27	8	38	8	38	8	40	8	46	8	50	8
		C	52	50	65	59	65	65	70	73	76	77	79	83
		D	27	46	35	54	38	60	40	64	46	69	50	74

**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.rg-inc.com
www.robertsgordon.com
www.radiantheaters.com

www.IRHeaterStore.com