

BRANT RADIANT

RE-VERBER-RAY



HEATERS LIMITED

COMMERCIAL & INDUSTRIAL

SERIES

● HL3

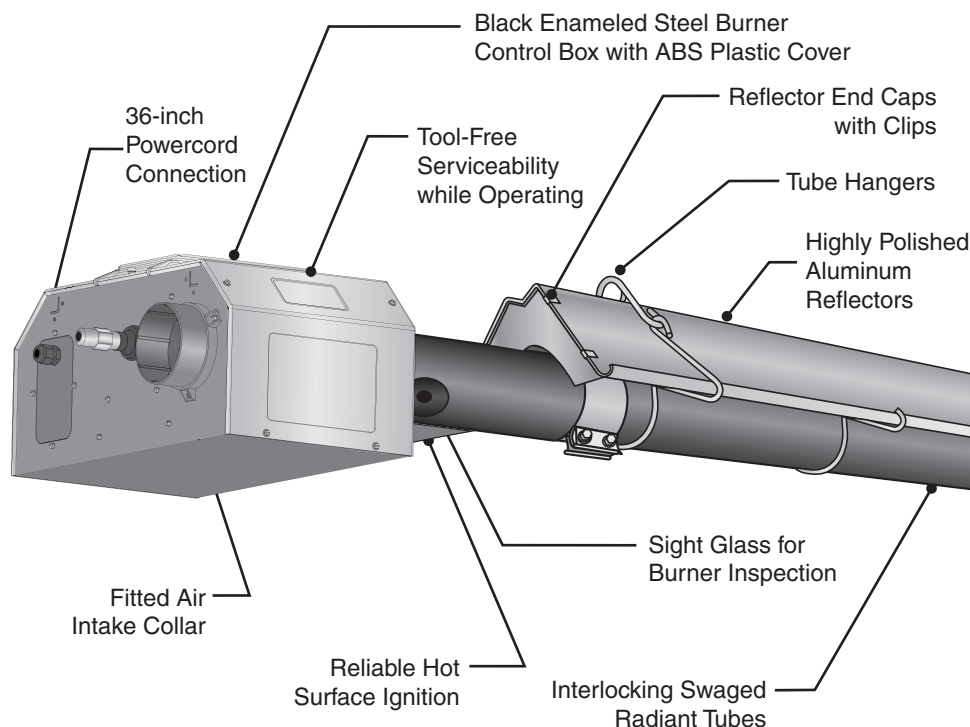
○ DX3

HL3 SERIES

GAS-FIRED, TWO STAGE, INFRARED HEATERS

The HL3 Series, packed with quality features, represents today's most energy efficient line of infrared tube heaters. Our patented two stage technology, incorporated into the HL3 Series, provides more comfort while saving valuable energy dollars. In addition, the highest quality materials and construction features ensure years of reliable and efficient operation. No other infrared heater can match the performance and quality of the HL3 Series.

PRODUCT FEATURES



SPECIFIC FEATURES



- Tool-free access to controls.
- Serviceability while unit is operating.
- Separated air and gas burner chamber.
- Symmetrical placement of ignition tube.
- Hinged control compartment provides ease in servicing.
- 3-piece independent compartment cover.
- ABS plastic air intake collar for connection to 4" PVC/DWV pipe.

PRODUCT FEATURES COMPARISON CHART

	HL3	DX3
Highly Polished Aluminum Reflectors	●	●
Coated Titanium or Aluminized Combustion Chamber	●	●
Coated Aluminized Radiant Tubes	●	●
Hot Surface Ignition	●	●
Type 1 Rubber Flexible Gas Connector	●	●
Two-stage Technology	●	●
Interlocking Swaged Tubes	●	●
Stainless Steel Models Available*	●	●
Reflector End Caps Included	●	●
Optional 'U' or 'L' Configurations Available	●	●

* Select upgrades available; full stainless models are available in the HL2 and DX2 Series offering.

BRANT RADIANT HEATERS LTD.

34 Scott Ave.
Paris, ON N3L 3R1

Phone: 1-519-442-7823
Toll Free: 1-800-387-4778
Fax: 1-519-442-7321
E-mail: sales@brantradiant.com
Website: www.brantradiant.com

VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Theory of Infrared
- and More!

HL3 SERIES

SPECIFICATIONS

PRODUCT SPECIFICATIONS

BTU Range:	50,000-200,000 BTU/h
Lengths:	20-70 Ft.
Gas Type:	Natural or Propane
Combustion Chamber:	Coated Aluminized or Titanium
Radiant Tubes:	Coated Aluminized Steel
Certification:	CSA
Limited Warranty:	1-5-10 (Components-Tubes-Burner)

OPTIONAL EQUIPMENT

"U", "L" or "45°" Configurations:	Available
Stainless Steel Upgrades:	Available
24V Controls:	Standard
Indicator Lights:	Standard
Protective Guards:	Available
Side Shield Extensions:	Available
Outdoor Approval:	Available

ELECTRICAL

- 120V, 60Hz, 3-wire.
- 4.8A starting, 1.1A running.

CONTROLS

- Pre & post purge.
- 24V thermostat control.
- Micro-processor circuitry.

TUBE CONSTRUCTION

- As shown at left.
- 4" x 10' 16 ga. construction.
- Labour saving, interlocking swaged tube design.

REFLECTORS

- Highly polished aluminum.
- End caps included.
- 0° – 45° rotatable angle.
- Tension springs.

IGNITION/SENSE

- Hot surface ignition.
- Flame rod sense.
- Self-diagnostic LED

VENTING

- 4" single vent.
- 6" common vent.
(with single t-stat & HLRP)
- SK caps on 200 MBH models.

GAS CONNECTION

- ½" or ¾" Type 1 Hose provided.

GAS PRESSURES

- MAN: 3.5" NAT or 10.0" LP
- MIN: 5.5" NAT or 11.0" LP
- MAX: 14.0" NAT or 14.0" LP

COMBUSTION AIR

- Equipped for ducted air intake from roof or sidewall.

KIT CONTENTS

- All hangers & couplers.
- Reflector end caps.
- Turbulator baffles.

AVAILABLE HL3 MODELS & CLEARANCES

MODEL #	GAS*	MBH HIGH/LOW	LENGTH	WEIGHT	MOUNTING HEIGHTS**
HL3-20-65	N or LP	65/50	21'-9"	120 lbs.	9' to 14'
HL3-20-75	N or LP	75/50	21'-9"	120 lbs.	10' to 15'
HL3-30-65	N or LP	65/50	31'-5"	160 lbs.	10' to 15'
HL3-30-75	N or LP	75/50	31'-5"	160 lbs.	11' to 18'
HL3-30-100	N or LP	100/65	31'-5"	160 lbs.	12' to 20'
HL3-30-125	N or LP	125/95	31'-5"	160 lbs.	13' to 23'
HL3-40-65	N or LP	65/50	41'-1"	190 lbs.	11' to 18'
HL3-40-75	N or LP	75/50	41'-1"	190 lbs.	11' to 18'
HL3-40-100	N or LP	100/65	41'-1"	190 lbs.	12' to 20'
HL3-40-125	N or LP	125/95	41'-1"	190 lbs.	13' to 23'
HL3-40-150	N or LP	150/100	41'-1"	190 lbs.	14' to 25'
HL3-40-175	N or LP	175/125	41'-1"	190 lbs.	15' to 27'
HL3-50-125	N or LP	125/95	50'-9"	235 lbs.	15' to 27'
HL3-50-150	N or LP	150/100	50'-9"	235 lbs.	15' to 27'
HL3-50-175	N or LP	175/125	50'-9"	235 lbs.	16' to 30'
HL3-50-200	N or LP	200/145	50'-9"	235 lbs.	17' to 35'
HL3-60-150	N or LP	150/100	60'-5"	265 lbs.	16' to 30'
HL3-60-175	N or LP	175/125	60'-5"	265 lbs.	16' to 30'
HL3-60-200	N or LP	200/145	60'-5"	265 lbs.	17' to 35'
HL3-70-175	N or LP	175/125	70'-1"	300 lbs.	19' to 42'
HL3-70-200	N or LP	200/145	70'-1"	300 lbs.	19' to 42'

* Specify natural (N) or propane (LP) gas. ** Factory recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.

0° Mounting Angle 45° Mounting Angle 0° W/ 1 Side Shield 0° W/ 2 Side Shields



HL3 CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE			
		FRONT	BEHIND	TOP	BELOW
HL3-(20,30,40)-(65-75)	0°	9	9	6	60
	45°	39	8	10	60
W/1 side shield	0°	29	8	6	60
W/2 side shields	0°	9	9	6	60
20 ft. from burner	0°	7	7	6	30
HL3-(30,40)-100	0°	14	14	6	66
	45°	39	8	10	66
W/1 side shield	0°	29	8	6	66
W/2 side shields	0°	16	16	6	66
20 ft. from burner	0°	7	7	6	30
HL3-(30,40,50)-125	0°	20	20	6	76
	45°	58	8	10	76
W/1 side shield	0°	42	8	6	76
W/2 side shields	0°	20	20	6	76
20 ft. from burner	0°	7	7	6	30
HL3-(40,50,60)-150	0°	24	24	6	81
	45°	58	8	10	81
W/1 side shield	0°	42	8	6	81
W/2 side shields	0°	23	23	6	81
20 ft. from burner	0°	11	11	6	44
HL3-(40,50,50,70)-175	0°	34	34	6	92
	45°	63	8	10	92
W/1 side shield	0°	50	8	6	92
W/2 side shields	0°	30	30	6	92
20 ft. from burner	0°	11	11	6	44
HL3-(50,60,70)-200	0°	41	41	6	94
	45°	63	8	10	94
W/1 side shield	0°	54	8	6	94
W/2 side shields	0°	30	30	6	94
20 ft. from burner	0°	11	11	6	44

Clearances published in HL3 Series manual and on warning label supersede data shown on this brochure.

Reference HL3 Series installation manual for complete information.

DISTRIBUTED BY:

