

BRANT RADIANT

RE-VERBER-RAY

RADIANT GAS HEATERS®

HEATERS LIMITED

COMMERCIAL & INDUSTRIAL

SERIES

● HL3

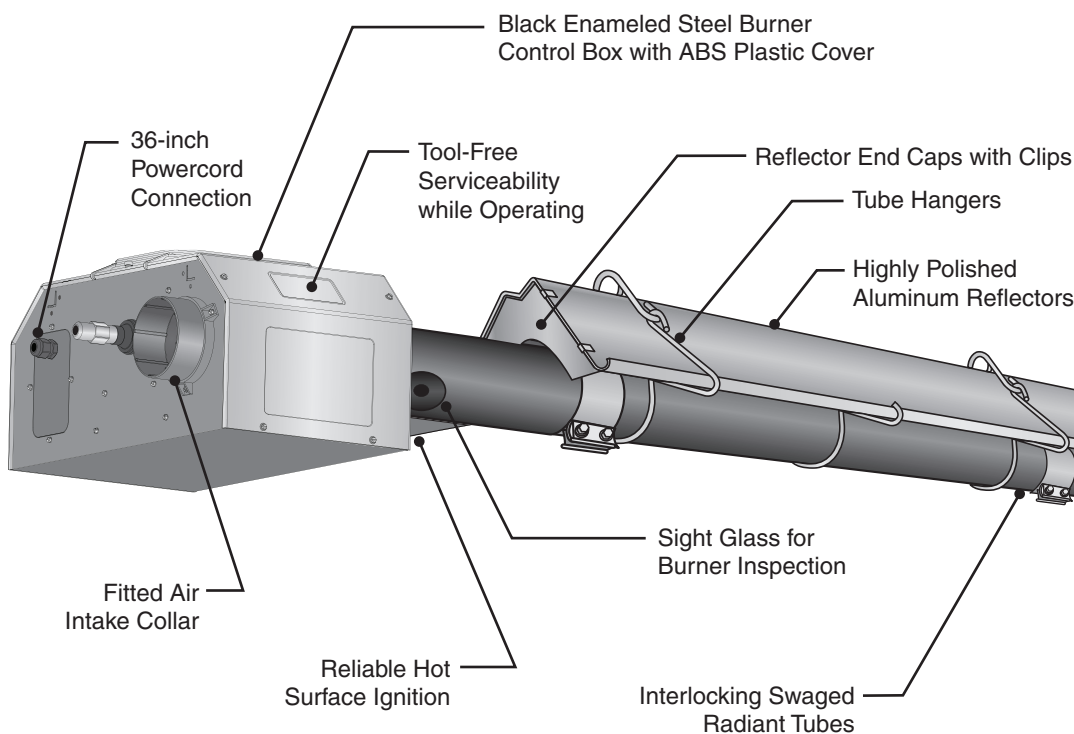
○ DX3

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	●	●

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VISIT OUR WEBSITE FOR:

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

HL3 SERIES

SPECIFICATIONS



PRODUCT SPECIFICATIONS

BTU Range:	65-200 MBH
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" or "L" 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.
- Labor 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 thermostat & 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.

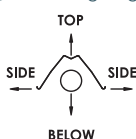
AVAILABLE HL3 MODELS & CLEARANCES

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'

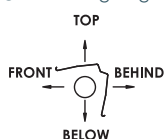
* Specify natural (N) or propane (LP) gas.

** Factory recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.

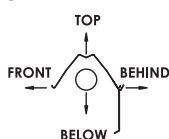
0° Mounting Angle



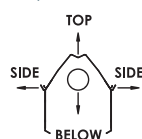
45° Mounting Angle



0° W/ 1 Side Shield



0° W/ 2 Side Shields



DISTRIBUTED BY:



HL3 CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE		TOP	BELOW
		FRONT	BEHIND		
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.