

BRANT RADIANT

**RE-VERBER-RAY**



HEATERS LIMITED

COMMERCIAL & INDUSTRIAL

SERIES

● HL2

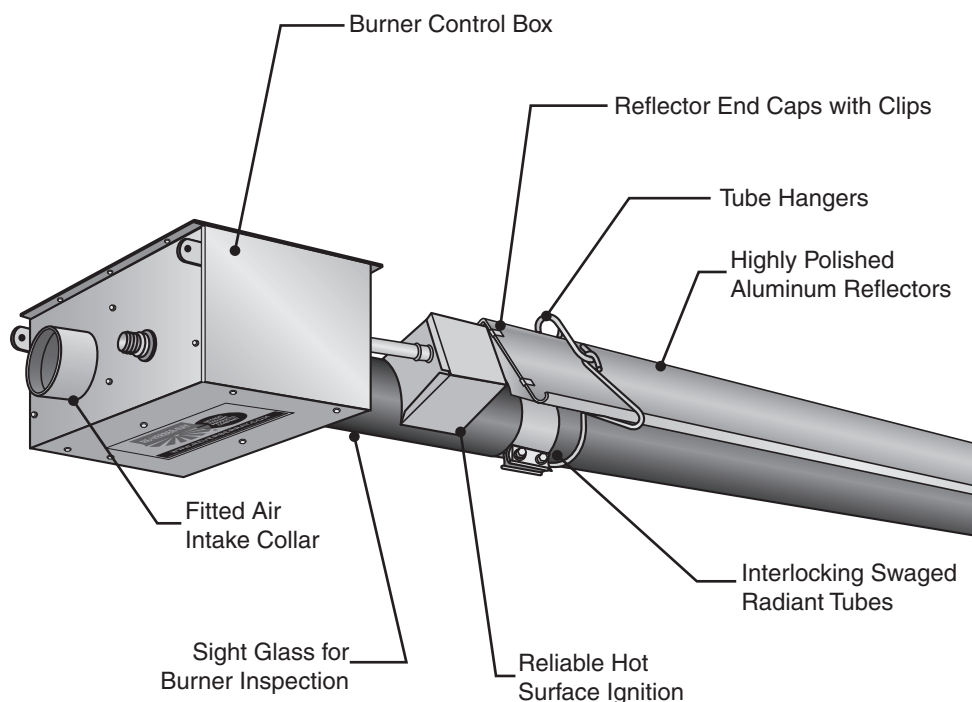
○ DX2

# HL2 SERIES

**GAS-FIRED, TWO STAGE, INFRARED HEATERS**

The HL2 Series, packed with quality features, represents today's most energy efficient line of infrared tube heaters. Our patented two stage technology, incorporated into the HL2 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 HL2 Series.

## PRODUCT FEATURES



## SPECIFIC FEATURES

- Tool-free access to hot surface ignition.
- Separated air and gas burner chamber.
- Quiet operation.
- Single or dual vent option through sidewall or roof.
- ABS plastic air intake collar for connection to 4" PVC/DWV pipe.

## PRODUCT FEATURES COMPARISON CHART

	HL2	DX2
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	●	•

## 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](mailto:sales@brantradiant.com)  
Website: [www.brantradiant.com](http://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!

# HL2 SERIES

## SPECIFICATIONS

### PRODUCT SPECIFICATIONS

<b>BTU Range:</b>	65-200 MBH
<b>Lengths:</b>	20-70 Ft.
<b>Gas Type:</b>	Natural or Propane
<b>Combustion Chamber:</b>	Coated Aluminized or Titanium
<b>Radiant Tubes:</b>	Coated Aluminized Steel
<b>Certification:</b>	CSA
<b>Limited Warranty:</b>	1-5-10 (Components-Tubes-Burner)

### OPTIONAL EQUIPMENT

<b>"U", "L", or "45°" Configurations:</b>	Available
<b>Stainless Steel Upgrades:</b>	Available
<b>24V Controls:</b>	Available
<b>Indicator Lights:</b>	Standard
<b>Protective Guards:</b>	Available
<b>Side Shield Extensions:</b>	Available
<b>Outdoor Approval:</b>	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 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 HL2 MODELS & CLEARANCES

MODEL #	GAS*	MBH HIGH/LOW	LENGTH	WEIGHT	MOUNTING HEIGHTS**
HL2-20-65	N or LP	65/50	21'-9"	120 lbs.	9' to 14'
HL2-20-75	N or LP	75/50	21'-9"	120 lbs.	10' to 15'
HL2-20-80	N or LP	80/65	21'-9"	120 lbs.	8' to 14'
HL2-20-100	N or LP	100/52	21'-9"	120 lbs.	12' to 20'
HL2-30-65	N or LP	65/50	31'-5"	160 lbs.	10' to 15'
HL2-30-75	N or LP	75/50	31'-5"	160 lbs.	11' to 18'
HL2-30-80	N or LP	80/52	31'-5"	160 lbs.	8' to 14'
HL2-30-100	N or LP	100/65	31'-5"	160 lbs.	12' to 20'
HL2-30-125	N or LP	125/95	31'-5"	160 lbs.	13' to 23'
HL2-40-65	N or LP	65/50	41'-1"	190 lbs.	11' to 18'
HL2-40-75	N or LP	75/50	41'-1"	190 lbs.	11' to 18'
HL2-40-80	N or LP	80/52	41'-1"	190 lbs.	8' to 14'
HL2-40-100	N or LP	100/65	41'-1"	190 lbs.	12' to 20'
HL2-40-125	N or LP	125/95	41'-1"	190 lbs.	13' to 23'
HL2-40-150	N or LP	150/100	41'-1"	190 lbs.	14' to 25'
HL2-40-175	N or LP	175/125	41'-1"	190 lbs.	15' to 27'
HL2-50-100	N or LP	100/65	50'-9"	190 lbs.	15' to 27'
HL2-50-125	N or LP	125/95	50'-9"	235 lbs.	15' to 27'
HL2-50-150	N or LP	150/100	50'-9"	235 lbs.	15' to 27'
HL2-50-175	N or LP	175/125	50'-9"	235 lbs.	16' to 30'
HL2-50-200	N or LP	200/145	50'-9"	235 lbs.	17' to 35'
HL2-60-150	N or LP	150/100	60'-5"	265 lbs.	16' to 30'
HL2-60-175	N or LP	175/125	60'-5"	265 lbs.	16' to 30'
HL2-60-200	N or LP	200/145	60'-5"	265 lbs.	17' to 35'
HL2-70-175	N or LP	175/125	70'-1"	300 lbs.	19' to 42'
HL2-70-200	N or LP	200/145	70'-1"	300 lbs.	19' to 42'

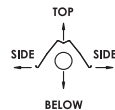
\* Specify natural (N) or propane (LP) gas. \*\* Factory recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.

### HL2 CLEARANCES TO COMBUSTIBLES (IN.)

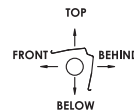
MODEL NO.	MOUNTING ANGLE	SIDE			
		FRONT	BEHIND	TOP	BELOW
HL2-(20,30,40)-65,75	0°	9	9	6	60
	45°	39	8	10	60
W/1 side shield	0°	29	8	6	60
W/2 side shields	0°	9	9	6	60
20 ft. from burner	0°	7	7	6	30
HL2-(20,30,40,50)-80,100	0°	14	14	6	66
	45°	39	8	10	66
W/1 side shield	0°	29	8	6	66
W/2 side shields	0°	16	16	6	66
20 ft. from burner	0°	7	7	6	30
HL2-(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
HL2-(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
HL2-(40,50,60,70)-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
HL2-(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

Always maintain the published clearances to combustibles. Clearances published in HL2 Series manual and on warning label supersede data shown on this brochure.

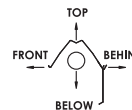
0° Mounting Angle



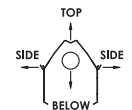
45° Mounting Angle



0° W/ 1 Side Shield



0° W/ 2 Side Shields



DISTRIBUTED BY:

