

BRANT RADIANT

**RE-VERBER-RAY**

RADIANT GAS HEATERS®

HEATERS LIMITED

SERIES

● LD

○ LS

# LD SERIES

## RESIDENTIALLY APPROVED GAS FIRED INFRARED HEATERS

The LD Series extends the energy saving benefits of two-stage technology to many commercial, industrial and residential applications. Designed for lower mounting heights, the LD Series is ideal for low ceiling commercial/industrial areas such as entry ways, mezzanines, lunch rooms and restaurant patios. Specific models are suitable in residential garages, enclosed swimming pools, solariums and porches.

### RESIDENTIAL / LOW MOUNT



### PRODUCT FEATURES

- Two-stage Technology.
  - 12% Fuel Savings Over Single Stage.
  - Faster Heat Loss Recoveries.
  - Increased Comfort Levels.
  - 35% Reduction of On/Off Cycles.
- BTU/h Inputs of 40,000 & 50,000.
- Available in Tube Lengths of 10 to 30 Ft.
- Coated Titanium Treated Combustion Chamber.
- Coated Aluminized Steel Radiant Tubes.
- Highly Polished Aluminum Reflectors.
- 24V Control Wiring with Micro-processor Circuitry.
- Hot Surface Ignition with Flame Rod Sensing.

### PRODUCT FEATURES COMPARISON CHART

LD LS OTHER

Highly Polished Aluminum Reflectors	●	•	
Coated Titanium Treated Combustion Chamber	●	•	
Coated Aluminized Radiant Tubes	●	•	
Hot Surface Ignition	●	•	
Type 1 Rubber Flex Connector, 30"	●	•	
Two-stage Technology	●		
Interlocking Swaged Tubes	●	•	
Stainless Steel Upgrades Available	●	•	
Reflector End Caps Included	●	•	
Optional 'U' or 'L' Configurations Available	●	•	
24 Volt Control Voltage Standard	●		

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### VISIT OUR WEBSITE FOR:

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



### PRODUCT SPECIFICATIONS

<b>BTU Range:</b>	40-50 MBH
<b>Lengths:</b>	10-30 Ft.
<b>Gas Type:</b>	Natural or Propane
<b>Combustion Chamber:</b>	Coated Titanium Treated Steel
<b>Radiant Tubes:</b>	Coated Aluminized Steel
<b>Certification:</b>	CSA, IAS
<b>Limited Warranty:</b>	1-3-5 (Components-Tubes-Burner)

### OPTIONAL EQUIPMENT

<b>'U' or 'L' Configurations:</b>	Available
<b>Stainless Steel Upgrades:</b>	Available
<b>24V Controls:</b>	Standard
<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
- 24V controls

### CONTROLS

- Pre & post purge
- Micro-processor circuitry
- 24V thermostat control (HLRB required for multiple heaters controlled singly)

### TUBE CONSTRUCTION

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

### REFLECTORS

- Highly polished aluminum
- End caps included
- Reflector tension springs
- 0° - 45° rotatable angle

### IGNITION/SENSE

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

### VENTING

- 3" single vent
- 4" common vent (with single thermostat)

### GAS CONNECTION

- ½" or ¾" Type 1 Hose provided

### GAS PRESSURES

- Manifold: 3.5" NAT or 10.0" LP
- Min. Inlet: 5.0" NAT or 11.0" LP
- Max. Inlet: 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
- Stainless steel turbulator/heat baffle(s)

## AVAILABLE LD MODELS & CLEARANCES

MODEL #	GAS*	MBH HIGH/LOW	LENGTH	SHIP WEIGHT	RECOMMENDED MOUNTING HEIGHTS**
LD-10-40	N or LP	40 / 28	12' - 1"	85#	10' to 14'
LD-15-40	N or LP	40 / 28	16' - 10"	100#	8' to 13'
LD-15-50	N or LP	50 / 35	16' - 10"	100#	10' to 15'
LD-20-40	N or LP	40 / 28	21' - 10"	120#	8' to 13'
LD-20-50	N or LP	50 / 35	21' - 10"	120#	9' to 15'
LD-30-50	N or LP	50 / 35	31' - 7"	160#	9' to 14'

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

See installation manual for additional information.

Models approved for Both commercial/industrial and residential use.

Models approved for Commercial/industrial use only.

### LD CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE		TOP	BELOW
		FRONT	BEHIND		
LD (10, 15, 20) - 40	0°	15	15	6	45
	45°	58	8	10	45
	W/1 side shield	42	8	6	45
W/2 side shields	0°	20	20	6	45
	20 ft. from burner	0°	NA	NA	NA
LD (15, 20, 30) - 50	0°	11	11	6	48
	45°	39	8	10	48
	W/1 side shield	29	8	6	48
W/2 side shields	0°	16	16	6	48
	20 ft. from burner	0°	7	7	6

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

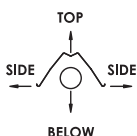
**NOTICE:** If the heater is mounted below 8 feet, protective guards (PG) are required.

Always maintain the published clearances to combustibles.

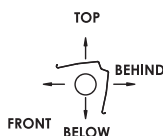
Place signs where necessary in accordance with ANSI/NFPA Standards.

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

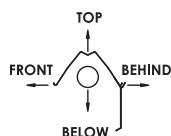
0° Mounting Angle



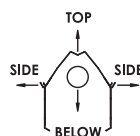
45° Mounting Angle



0° W/ 1 Side Shield



0° W/ 2 Side Shields



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