

DETROIT RADIANT

**RE-VERBER-RAY**

RADIANT GAS HEATERS®

PRODUCTS COMPANY

SERIES



# Stainless Steel

## UPGRADES TO HL & DX SERIES GAS-FIRED INFRARED HEATERS

The energy-saving qualities of infrared heating can be applied in many wet, contaminated or harsh environments with the -SS Series of stainless steel low intensity tube heaters from Re-Verber-Ray®. Constructed of 304 and 409 stainless steels, the -SS Series is also ideal for use in many outdoor applications. Re-Verber-Ray® -SS Series infrared tube heaters offer the latest in technology and the BEST in durability and performance!

### SPECIALTY HEATER OFFERING



### PRODUCT FEATURES

- For use in harsh, wet, contaminated and outdoor applications.
- BTU/h inputs of 75,000 to 150,000.
- Available in tube lengths of 20 to 60 Ft.
- Choose 100% product upgrade or selected optional upgrades.
- Components totally enclosed in a moisture resistant silicone sealed control housing.
- Rain tight electrical attachments.
- PVC Coated stainless steel flexible gas connector.
- See chart on reverse for additional features.

### PRODUCT FEATURES COMPARISON CHART

HL-SS    DX-SS    OTHER

Two-Stage Operation	●		
Coated 409 or 304 Stainless Steel Tubes	●	●	
PVC Coated 24" Flexible Gas Connector	●	●	
Highly Polished 304 Stainless Steel Reflectors	●	●	
Watertight Electrical Connections/Cords	●	●	
Stainless Steel Hanging Accessories	●	●	
430 Stainless Steel Burner Assembly	●	●	
Silicone Sealed Control Housing	●	●	
Silicone Carbide Hot Surface Ignition	●	●	
External Operational Indicator Lights	●	●	
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 Infrared
- and More!

# -SS STAINLESS STEEL SERIES



## SPECIFICATIONS

### PRODUCT SPECIFICATIONS

<b>BTU Range:</b>	75,000 To 150,000 BTU/h
<b>Lengths:</b>	20 to 60 Ft.
<b>Gas Type:</b>	Natural or Propane
<b>Combustion Chamber:</b>	Coated 409 Stainless Steel
<b>Radiant Tubes:</b>	Coated 304 Stainless Steel
<b>Certification:</b>	CSA, IAS
<b>Limited Warranty:</b>	1-5-10 (Components-Tubes-Burner)

### HL & DX SERIES OPTIONAL EQUIPMENT

<b>'U' or 'L' Configurations:</b>	Available (TF1B-SS, E6-SS, RU-SS, RE-SS)
<b>24V Controls:</b>	Standard (HL-SS); Opt. 24VAO (DX-SS)
<b>Indicator Lights:</b>	Standard
<b>Protective Guards:</b>	Available (PG)
<b>Side Shield Extensions:</b>	Available (SSE-SS)
<b>Outdoor Approval:</b>	Available (OD-KIT)

### ELECTRICAL

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

### CONTROLS

- Pre-purge
- Potted circuitry
- See Series IOM for control voltage.

### TUBE CONSTRUCTION

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

### REFLECTORS

- Highly polished 304 stainless steel.
- Stainless steel end caps.
- Reflector tension springs
- 0° – 45° rotatable angle

### IGNITION/SENSE

- Hot surface ignition
- Flame rod sense

### VENTING

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

### GAS CONNECTION

- 1/2" NPT ball valve/inlet tap included
- PVC coated, 24" stainless steel flexible connector.

### GAS PRESSURES

- MAN. - 3.5" NAT or 10.0" LP
- MIN. - 5.0" NAT or 11.0" LP
- MAX. - 14.0" NAT or 14.0" LP

### COMBUSTION AIR

- Equipped for 4" PVC ducted air intake from roof or sidewall.
- Required in all harsh environments.

### KIT CONTENTS

- All hangers & couplers
- Reflector end caps
- Stainless steel turbulator/heat baffle(s)

## AVAILABLE -SS MODELS & OPTIONAL FEATURES

	MODEL #	GAS*	BTU/h		LENGTH	WEIGHT	MOUNTING HEIGHTS**
			HIGH FIRE	LOW FIRE			
SINGLE-STAGE	DX-20-75-SS	N or LP	75,000	N/A	21'-7"	145 lbs.	11' to 18'
	DX-30-75-SS	N or LP	75,000	N/A	31'-3"	195 lbs.	12' to 20'
	DX-30-100-SS	N or LP	100,000	N/A	31'-3"	195 lbs.	13' to 23'
	DX-40-75-SS	N or LP	75,000	N/A	40'-11"	235 lbs.	12' to 20'
	DX-40-100-SS	N or LP	100,000	N/A	40'-11"	235 lbs.	13' to 23'
	DX-40-125-SS	N or LP	125,000	N/A	40'-11"	235 lbs.	14' to 25'
	DX-40-150-SS	N or LP	150,000	N/A	40'-11"	235 lbs.	16' to 30'
	DX-50-100-SS	N or LP	100,000	N/A	50'-7"	290 lbs.	15' to 27'
	DX-50-125-SS	N or LP	125,000	N/A	50'-7"	290 lbs.	15' to 27'
	DX-50-150-SS	N or LP	150,000	N/A	50'-7"	290 lbs.	16' to 30'
	DX-60-125-SS	N or LP	125,000	N/A	60'-3"	330 lbs.	16' to 30'
	DX-60-150-SS	N or LP	150,000	N/A	60'-3"	330 lbs.	17' to 35'

TWO-STAGE	HL-20-75-SS	N or LP	75,000	50,000	21'-7"	145 lbs.	10' to 15'
	HL-30-75-SS	N or LP	75,000	50,000	31'-3"	195 lbs.	11' to 18'
	HL-30-100-SS	N or LP	100,000	65,000	31'-3"	195 lbs.	12' to 20'
	HL-40-75-SS	N or LP	75,000	50,000	40'-11"	235 lbs.	11' to 18'
	HL-40-100-SS	N or LP	100,000	65,000	40'-11"	235 lbs.	12' to 20'
	HL-40-125-SS	N or LP	125,000	95,000	40'-11"	235 lbs.	13' to 23'
	HL-40-150-SS	N or LP	150,000	100,000	40'-11"	235 lbs.	14' to 25'
	HL-50-125-SS	N or LP	125,000	95,000	50'-7"	290 lbs.	15' to 27'
	HL-50-150-SS	N or LP	150,000	100,000	50'-7"	290 lbs.	15' to 27'
	HL-60-150-SS	N or LP	150,000	100,000	60'-3"	330 lbs.	16' to 30'

\* Specify Natural Gas (N) or Propane (LP).

\*\* Mounting Heights are provided as a guideline. Actual conditions may dictate variations from the data above. See Series installation, operation manual for additional information.

DISTRIBUTED BY:



### AVAILABLE STAINLESS STEEL ADD-ONS

PART NO.	DESCRIPTION	HL3	DX3	X153	DET3	DES3	LD	LS
SSCB00	Control Box Upgrade	----- Call for Availability -----						
SSTA00	Tube Upgrade	•	•	•				
SSRA00	Reflector Upgrade	•	•	•	•	•	•	•
SSTRA00	Tube & Reflector Upgrade	•	•	•				
SSFWA00	Fan Wheel Upgrade	•	•					
SSC-##	Butt Clamp Upgrade	•	•	•	•	•		
SSB-##	Mounting Bracket Upgrade	•	•	•	•	•		

Tube upgrade add-ons available in BTU range of 75,000 to 150,000 only (except on 30-125 models).

### CLEARANCE TO COMBUSTIBLES DATA (IN INCHES)

MODEL	MOUNTING ANGLE	SIDE		TOP	BELOW	
		FRONT	BEHIND			
75,000 BTU/h	0°	9	9	6	60	
	45°	39	8	10	60	
	W/1 side shield	0°	29	8	6	60
	W/2 side shield	0°	9	9	6	60
100,000 BTU/h	0°	7	7	6	30	
	45°	14	14	6	66	
	W/1 side shield	0°	29	8	10	66
	W/2 side shield	0°	9	9	6	66
125,000 BTU/h	0°	16	16	6	66	
	45°	20	20	6	76	
	W/1 side shield	0°	7	7	6	30
	W/2 side shield	0°	20	20	6	76
150,000 BTU/h	0°	24	24	6	81	
	45°	58	8	10	81	
	W/1 side shield	0°	42	8	6	81
	W/2 side shield	0°	23	23	6	81
20 ft. from burner	0°	7	7	6	30	
	0°	11	11	6	44	

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