

DETROIT RADIANT

**RE-VERBER-RAY**

RADIANT GAS HEATERS®

PRODUCTS COMPANY

INTERNATIONAL

SERIES

● EHL ○ EDX

# EHL SERIES

GAS-FIRED, DUAL STAGE, INFRA-RED HEATERS

The EHL Series, packed with many quality features, is the most energy efficient infra-red tube heater available anywhere! Our patented two stage technology, incorporated into the EHL 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 infra-red heater can match the performance and quality of the EHL Series!



## PRODUCT FEATURES

- Inputs of 19.0 to 60.0 kw
- Available in Tube Lengths of 6710 mm to 21335 mm
- Coated Titanium or Aluminized Combustion Chamber
- Coated Aluminized or Optional Economy Hot Rolled Steel Radiant Tubes
- Patented Two-Stage Technology
- Highly Polished Aluminum Reflectors
- Stainless Steel Burner
- Spark Ignition System
- Enameled Control Box
- Optional #3 Brushed Stainless Steel Control Box
- Optional 'U' or 'L' Configuration

## PRODUCT FEATURES COMPARISON CHART

	EHL	EDX	OTHER
Highly Polished Aluminum Reflectors	●	●	
Coated Titanium or Aluminum Combustion Chamber	●	●	
Coated Aluminized Radiant Tubes	●	●	
Hot Surface Ignition	●	●	
Flex Connector (610mm Stainless Steel)	●	●	
Ball Valve with Pressure Tap Included	●	●	
Two-stage Technology	●		
Interlocking Swaged Tubes	●	●	
Stainless Steel Upgrades 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!

# EHL SERIES

## SPECIFICATIONS



### PRODUCT SPECIFICATIONS

<b>Input Range:</b>	19.0 - 60.0 kW
<b>Lengths:</b>	6100 - 21335mm
<b>Gas Type:</b>	G20 (I <sub>2</sub> H), G25 (I <sub>2</sub> L) and G31 (I <sub>3</sub> P)
<b>Radiant Tube Options:</b>	Commercial, Industrial, Poultry, Swine
<b>Certifications:</b>	CE, AU, RU, NZ

### OPTIONAL EQUIPMENT

<b>"U" or "L" Configurations:</b>	Available (RU, RE)
<b>Stainless Steel Upgrades:</b>	Available (SSRAO, SSFWAO, SSC, SSB)
<b>Indicator Lights:</b>	Standard
<b>Protective Guards:</b>	Available (PG)
<b>Side Shield Extensions:</b>	Available (SSE)

### ELECTRICAL

- 230V, 50Hz
- 1.0A starting, 0.6A running

### CONTROLS

- 230V thermostat control

### TUBE CONSTRUCTION

- As shown at left
- 101.6mm x 3048mm; 16 gauge
- Labor saving, interlocking swaged tube design

### REFLECTORS

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

### IGNITION/SENSE

- Spark ignition
- Flame sense

### VENTING

- 100mm single
- Optional 150mm common (with single thermostat)

### GAS CONNECTION

- Brass ball valve included

### GAS PRESSURES

- See Instruction Manual

### COMBUSTION AIR

- Equipped for ducted air intake from roof or sidewall

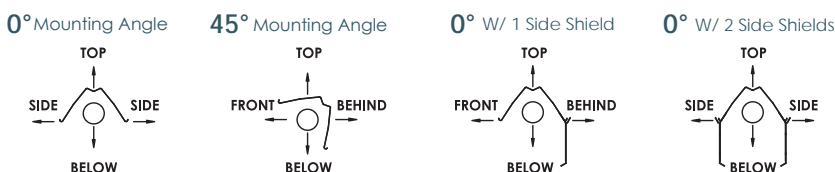
### KIT CONTENTS

- All hangers & couplers
- Reflector end caps
- Turbulator baffle(s)

## AVAILABLE EHL MODELS & CLEARANCES

MODEL #	GAS*	kW (High/Low)	LENGTH	WEIGHT	RECOMMENDED MOUNTING HEIGHTS**
EHL-20-75	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	22.0/14.7	6710 mm	54.5 kg	3050 - 4570 mm
EHL-30-75	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	22.0/14.7	9525 mm	72.5 kg	3350 - 5490 mm
EHL-30-100	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	29.3/19.0	9525 mm	72.5 kg	3660 - 6100 mm
EHL-40-75	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	22.0/14.7	12470 mm	86.0 kg	3350 - 5490 mm
EHL-40-100	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	29.3/19.0	12470 mm	86.0 kg	3660 - 6100 mm
EHL-40-125	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	36.6/27.8	12470 mm	86.0 kg	3960 - 7010 mm
EHL-40-150	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	43.9/29.3	12470 mm	86.0 kg	4270 - 7620 mm
EHL-40-170	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	55.0/40.0	12470 mm	86.0 kg	4270 - 8230 mm
EHL-50-100	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	29.3/19.0	15420 mm	106.5 kg	4570 - 8230 mm
EHL-50-125	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	36.6/27.8	15420 mm	106.5 kg	4570 - 8230 mm
EHL-50-150	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	43.9/29.3	15420 mm	106.5 kg	4570 - 8230 mm
EHL-50-170	I <sub>2</sub> H, I <sub>2</sub> L	50.0/35.0	15420 mm	106.5 kg	4875 - 9145 mm
EHL-50-188	I <sub>2</sub> H, I <sub>2</sub> L	55.0/40.0	15420 mm	106.5 kg	5180 - 10670 mm
EHL-50-204	I <sub>2</sub> H, I <sub>2</sub> L	60.0/40.0	15420 mm	106.5 kg	5180 - 10670 mm
EHL-60-125	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	36.6/27.8	18365 mm	120.0 kg	4875 - 9145 mm
EHL-60-150	I <sub>2</sub> H, I <sub>2</sub> L, I <sub>3</sub> P	43.9/29.3	18365 mm	120.0 kg	4875 - 9145 mm
EHL-60-170	I <sub>2</sub> H, I <sub>2</sub> L	50.0/35.0	18365 mm	120.0 kg	4875 - 9145 mm
EHL-60-188	I <sub>2</sub> H, I <sub>2</sub> L	55.0/40.0	18365 mm	120.0 kg	5180 - 10670 mm
EHL-60-204	I <sub>2</sub> H, I <sub>2</sub> L	60.0/40.0	18365 mm	120.0 kg	5180 - 10670 mm
EHL-70-170	I <sub>2</sub> H, I <sub>2</sub> L	50.0/35.0	21335 mm	136.0 kg	5790 - 12800 mm
EHL-70-188	I <sub>2</sub> H, I <sub>2</sub> L	55.0/40.0	21335 mm	136.0 kg	5790 - 12800 mm
EHL-70-204	I <sub>2</sub> H, I <sub>2</sub> L	60.0/40.0	21335 mm	136.0 kg	5790 - 12800 mm

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



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### EHL CLEARANCES TO COMBUSTIBLES (mm)

MODEL NO.	MOUNTING ANGLE	SIDE		TOP	BELOW
		FRONT	BEHIND		
EHL (20,30,40) - 75	0°	229	229	152	1524
	45°	991	203	254	1524
W/1 Side Shield	0°	737	203	152	1524
W/2 Side Shields	0°	229	229	152	1524
6096mm from Burner	0°	178	178	152	762
EHL (30,40,50) - 100	0°	356	356	152	1676
	45°	991	203	254	1676
W/1 Side Shield	0°	737	203	152	1676
W/2 Side Shields	0°	406	406	152	1676
6096mm from Burner	0°	178	178	152	762
EHL (40,50,60) - 125	0°	508	508	152	1930
	45°	1473	203	254	1930
W/1 Side Shield	0°	1067	203	152	1930
W/2 Side Shields	0°	508	508	152	1930
6096mm from Burner	0°	178	178	152	762
EHL (40,50,60) - 150	0°	610	610	152	2057
	45°	1473	203	254	2057
W/1 Side Shield	0°	1067	203	152	2057
W/2 Side Shields	0°	584	584	152	2057
6096mm from Burner	0°	279	279	152	1118
EHL (50,60,70) - 170	0°	864	864	152	2337
	45°	1600	203	254	2337
W/1 Side Shield	0°	1270	203	152	2337
W/2 Side Shields	0°	762	762	152	2337
6096mm from Burner	0°	279	279	152	1118
EHL (50,60,70) - 188	0°	1041	1041	152	2388
	45°	1600	203	254	2388
W/1 Side Shield	0°	1372	203	152	2388
W/2 Side Shields	0°	762	762	152	2388
6096mm from Burner	0°	279	279	152	1118
EHL (50,60,70) - 204	0°	1041	1041	152	2388
	45°	1600	203	254	2388
W/1 Side Shield	0°	1372	203	152	2388
W/2 Side Shields	0°	762	762	152	2388
6096mm from Burner	0°	279	279	152	1118

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