

### ERI SERIES

#### APPLICATIONS

Reznor series ERI electric infrared radiant heaters are primarily designed for industrial applications such as:

- conveyorized or batch type ovens
- degreasing
- weld preheating
- roll heating
- curing, drying, softening of resins, vinyls, and plastics
- baking, drying, curing of paint, lacquers and adhesives
- defrosting soil prior to pouring concrete
- curing concrete in winter construction
- thawing ore and coal in railroad cars for easier dumping

#### ERI SERIES



**DANGER-HAZARD OF FIRE - AVOID DIRECT CONTACT OF HEATER CASE WITH ANY COMBUSTIBLE SURFACES. ENERGIZED HEATERS SHOULD BE SPACED SO THAT NO COMBUSTIBLE SURFACES EXCEED 194°F (90°C). SEE INSTALLATION INSTRUCTIONS.**

#### FEATURES

Available with a choice of single or dual incoloy tubular elements, quartz tubes, or quartz lamps. Anodized and chemically brightened extruded aluminum reflector. Custom mounting frames and carts to suit individual requirements can be provided upon request (check factory).

For wiring, use standard 200°C supply wires.

#### TYPE C - SINGLE TUBULAR ELEMENT

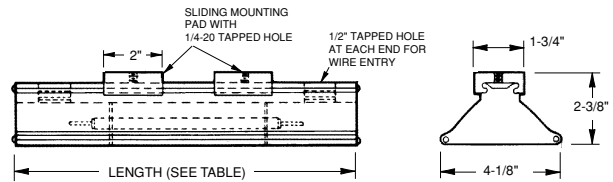
Generally used in conveyorized or batch type process heating applications requiring far infrared for drying or curing where a small economical unit is preferred. The mineral insulated alloy sheath heating element enables the unit to withstand splashing and vibration and is the most durable of the three heat sources.

#### MODEL ERIC

SIZE	KW	STANDARD VOLTAGES	OVERALL LENGTH mm in.	HEATED LENGTH mm in.	SHIPPING WEIGHT kg lb.
10	0.95	120, 208, 240	737 29	508 20	1.1 2.5
15	1.5	"	1041 41	813 326	1.5 3.4
19	1.9	"	1194 47	965 386	1.9 4.2
20	2.0	208, 240, 480, 600	1041 41	813 32	1.7 3.8
23	2.3	"	1194 47	965 38	1.9 4.3
30	3.0	"	1499 59	1270 50	2.4 5.2
38	3.8	"	1803 71	1575 62	2.8 6.2

**NOTE:** For 45° spread, order option TM1.  
For 60° spread, order option TM2.

### ERI SERIES



#### TYPE E - DOUBLE TUBULAR ELEMENT

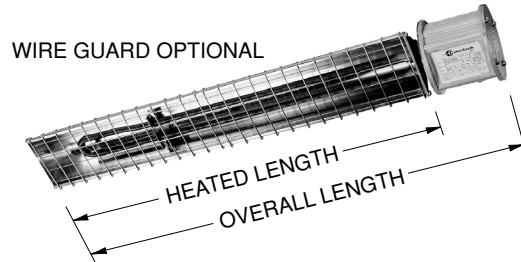
With two series wired heating elements in each reflector, these units are normally used in industrial applications where a rugged, efficient, high heat concentration is required. Applications include degreasing, weld preheating, roll heating, drying, sterilization, etc.

#### MODEL ERIE

SIZE	KW	STANDARD VOLTAGES	OVERALL LENGTH mm in.	HEATED LENGTH mm in.	SHIPPING WEIGHT kg lb.
18	1.8	208, 240, 480, 600	737 29	508 20	1.6 3.5
32	3.2	"	1041 41	813 32	2.2 4.8
38	3.8	"	1194 47	965 38	2.5 5.4
50	5.0	"	1499 59	1270 50	3.0 6.7
62	6.2	"	1803 71	1575 62	3.6 8.0

#### TYPE R - HAIRPIN TUBULAR ELEMENT WITH MOISTURE RESISTANT TERMINAL HOUSING

Type R heaters are for use in outdoor installations or areas subject to periodic washdown.



#### MODEL ERIR

SIZE	KW	STANDARD VOLTAGES	OVERALL LENGTH mm in.	HEATED LENGTH mm in.	SHIPPING WEIGHT kg lb.
11	1.1	208, 240, 480, 600	463 18 1/4	356 14	.3 2.9
16	1.6	"	590 23 1/4	483 19	2.2 4.8
21	2.1	"	743 29 1/4	635 25	2.5 5.4
25	2.5	"	844 33 1/4	737 29	2.6 5.8
30	3.0	"	971 38 1/4	864 34	2.9 6.4
36	3.6	"	1149 45 1/4	1041 41	3.2 7.1
42	4.2	"	1301 51 1/4	1194 47	3.5 7.8
53	5.3	"	1606 63 1/4	1499 59	4.1 9.1
65	6.5	"	1911 75 1/4	1803 71	4.7 10.4

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#### TO ORDER SPECIFY:

Quantity, model, size., voltage and wattage.

## ERI SERIES (continued)

### TYPE QT - QUARTZ TUBE ELEMENT

These units are commonly used in industrial applications where medium intensity infrared heat is required such as paint spray booths, curing, drying and softening of resins, vinyls, or plastics.

Quartz tube fixtures must be mounted horizontally.

#### MODEL ERIQT

SIZE	KW	STANDARD VOLTAGES	OVERALL LENGTH		HEATED LENGTH		SHIPPING WEIGHT	
			mm	in.	mm	in.	kg	lb.
8	0.8	120, 208 240	635	25	406	16	1.2	2.6
16	1.6	"	1041	41	813	32	1.7	3.8
25	2.5	208, 240 480, 600	1499	59	1270	50	2.3	5.0
31	3.1	"	1803	71	1575	62	2.6	5.8

### TYPE QF - DOUBLE QUARTZ TUBE ELEMENTS

For use in applications where high intensity heat is required but the light emitted by quartz lamps would be objectionable.

Quartz tube fixtures must be mounted horizontally.

#### MODEL ERIQF

SIZE	KW	STANDARD VOLTAGES	OVERALL LENGTH		HEATED LENGTH		SHIPPING WEIGHT	
			mm	in.	mm	in.	kg	lb.
16	1.6	120, 208 240	635	25	406	16	1.5	3.2
32	3.2	"	1041	41	813	32	2.1	4.6
50	5.0	208, 240 480, 600	1499	59	1270	50	2.8	6.1
62	6.2	"	1803	71	1575	62	3.2	7.1

### TYPE QL - QUARTZ LAMP ELEMENT

These are widely used in industrial applications where high intensity radiation is required and where it is essential to turn the heat on or off instantaneously. They are commonly used for baking, drying and curing items such as paint, varnishes, lacquers, and adhesives, for softening plastics and for food processing.

#### MODEL ERIQL

SIZE	KW	STANDARD VOLTAGES	OVERALL LENGTH		HEATED LENGTH		SHIPPING WEIGHT	
			mm	in.	mm	in.	kg	lb.
5	0.5	120	356	14	127	5	0.9	1.9
10	1.0	208, 240	483	19	254	10	1.0	2.2
16	1.6	"	635	25	406	16	1.2	2.6
25	2.5	480, 600	864	34	635	25	1.5	3.3
38	3.8	600	1194	47	965	38	1.9	4.2

## ERIH SERIES

### APPLICATION

The ERIH infrared radiant heater is used where an extra high density rugged heat source is required. It is suited for process or comfort heating.

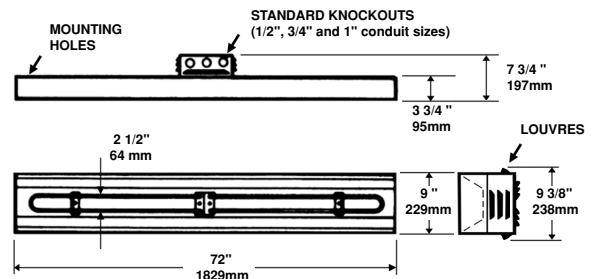
### FEATURES

This unit features two incoloy tubular elements which are designed for operation under severe working conditions. Thermal insulation decreases heat losses, increases efficiency, and reduces power required. Tarnish free, high lustre, aluminum reflector increases efficiency by concentrating energy on the area to be heated (energy spread approx. 60°).



WIRE GUARD AVAILABLE  
(CHECK FACTORY)

Models are available with general purpose or weatherproof terminal boxes to meet a wide variety of special process heating applications.



#### MODEL ERIH

SIZE	KW	STANDARD VOLTAGES	SHIPPING WT.	
			lb.	kg
64	6.4	208, 240, 480, 600	38	17.4
80	8.0	"	38	17.4
100	10.0	"	38	17.4

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### TO ORDER SPECIFY:

Quantity, model, size, voltage and wattage.