

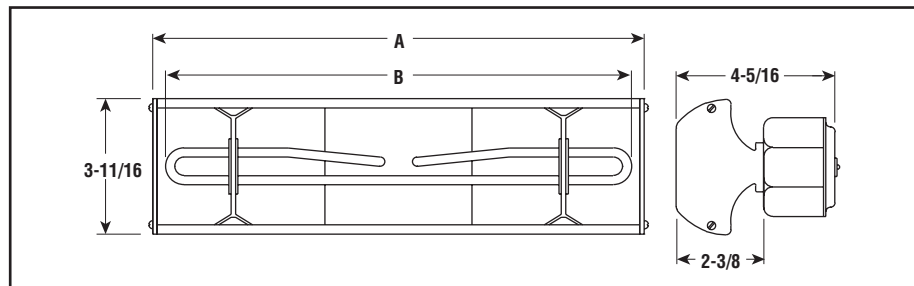
## DU-RAD

### Single Element, Double-Hairpin Radiant Heater



- 3.66 kW/Ft<sup>2</sup>
- 1.6 - 7.83 kW
- 120, 208, 240, 275 and 480 Volt
- 3/8" Dia. INCOLOY® Sheath Elements (type UTU)
- 1500°F Max. Sheath Temp.

#### Dimensions (Inches)



#### Applications

- Textile and Paper Drying
- Coatings Curing
- Vinyl Fusing
- Preheat Roll Fed Plastics for Laminating or Embossing

#### Features

**More Heated Length** for limited space.

**Process Temperature Control** — Radiant heater output may be controlled with Chromalox SCR Power Controllers, Percentage Timing Input Controls and Non-Contact Temperature Sensors. See the Controls section of this catalog.

#### Specifications and Ordering Information

kW	Length (In.)		Model	120V		240V		480V		Model	208V		275V		Optional Grille	Wt. (Lbs.)
	Overall A	Heated B		Stock	PCN	Stock	PCN	Stock	PCN		Stock	PCN	Stock	PCN		
1.6	20-3/8	18-15/16	DU-RAD-040	NS	117575	NS	117591	—	—	DU-RAD-040V	NS	117585	NS	117604	(1) GR-2	6
1.97	23-25/32	22-25/32	DU-RAD-048	NS	117612	NS	117639	—	—	DU-RAD-048V	NS	117620	NS	117647	(1) GR-3	7
2.44	28-7/8	27-25/32	DU-RAD-058	NS	117655	NS	117671	NS	117698	DU-RAD-058V	NS	117663	NS	117680	(1) GR-3	8
2.82	33-1/4	31-25/32	DU-RAD-066	NS	117700	NS	117727	NS	117743	DU-RAD-066V	NS	117719	NS	117735	(2) GR-2	9
3.19	37-1/4	35-25/32	DU-RAD-074	NS	117751	NS	117778	NS	117794	DU-RAD-074V	NS	117760	NS	117786	(2) GR-2	10
3.57	41-1/8	39-7/8	DU-RAD-082	NS	—	NS	117815	NS	117831	DU-RAD-082V	NS	117815	NS	117831	(1) GR-4	11
3.95	45-3/16	43-7/8	DU-RAD-090	NS	—	NS	117858	NS	117874	DU-RAD-090V	NS	117840	NS	117866	(2) GR-3	12
4.52	51-7/8	49-7/8	DU-RAD-0102	NS	—	NS	117890	NS	117911	DU-RAD-0102V	NS	117882	NS	117903	(3) GR-2	13
4.99	56-3/16	54-7/8	DU-RAD-0112	NS	—	NS	117938	NS	117954	DU-RAD-0112V	NS	117920	NS	117946	(1) GR-5	14
5.56	62-1/2	60-15/16	DU-RAD-0124	NS	—	NS	117970	NS	117997	DU-RAD-0124V	NS	117962	NS	117989	(1) GR-3	15
6.13	68-9/16	66-15/16	DU-RAD-0136	NS	—	NS	118017	NS	118033	DU-RAD-0136V	NS	118009	NS	118025	(1) GR-4	15
6.7	75-1/2	72-15/16	DU-RAD-0148	NS	—	NS	118050	NS	118076	DU-RAD-0148V	NS	118041	NS	118068	(1) GR-6 (1) GR-3 (1) GR-5	16
7.1	78-13/16	77	DU-RAD-0156	NS	—	NS	118092	NS	118113	DU-RAD-0156V	NS	118084	NS	118105	(2) GR-4	17
7.45	82-11/16	81	DU-RAD-0164	NS	—	NS	118130	NS	118156	DU-RAD-0164V	NS	118121	NS	118148	(1) GR-2 (1) GR-6	17
7.83	87	85-1/16	DU-RAD-0172	NS	—	NS	118172	NS	118199	DU-RAD-0172V	NS	118164	NS	118180	(1) GR-2 (1) GR-6	18

**Stock Status:** S = stock NS = non-stock  
**To Order**—Specify model, PCN, kW, volts, quantity and optional grille (if needed).

**For New or Existing Installations** — Utilization of a double-hairpin element, with terminal connections in the center of the housing, gives a heated length covering almost the entire length of the housing.

**Movable Mounting Clamps and Bolts** are supplied to accommodate many mounting configurations such as banks, tunnels and oven sections.

**Center Mounted Terminals** are enclosed in terminal box on rear of heater housing.

#### Construction

**Enclosed Chromalox Alloy-Sheath Tubular Heating Element** is completely isolated and supported on secondary insulation for improved electrical safety. Designed for long life, the element is more resistant to hard blows than quartz lamp or tube and open coil types.

**Rigid Extruded Aluminum Housing** protects heating element from harsh industrial environments.

**Highly Polished Aluminum Reflectors** give good reflectivity and heat transfer, and are easily cleaned to maintain energy efficiency.

#### Accessories

**Protective Grille** — Optional snap-in sections help protect personnel and work from contact with hot elements.

**Companion Reflector** — Optional radiant companion reflectors improve oven efficiency. See Radiant Accessories in this section.

**Note:** Model DU-RAD heaters are not listed for use in fixed electric space heated applications under NEC 424. If they are to be used in such applications, installation must be approved by local code enforcement authorities.