



### Standard Ratings of Modular 12" x 12" CRP Radiant Panels – METAMORPHING Yellow to Orange

#### Aluminized Steel Housing with NEMA 1 Terminal Box (4" square by 2-1/8" deep)

KW	Watt Density (W/in <sup>2</sup> )	Part Number									
		120V		240V-1Ph		240V-3Ph		480V-1Ph		480V-3Ph	
		No T/C	K T/C	No T/C	K T/C	No T/C	K T/C	No T/C	K T/C	No T/C	K T/C
1.50	11.6	CRP20001	CRP20002	CRP20003	CRP20004	CRP20005	CRP20006	CRP20007	CRP20008	CRP20009	CRP20010
2.25	17.4	CRP20011	CRP20012	CRP20013	CRP20014	CRP20015	CRP20016	CRP20017	CRP20018	CRP20019	CRP20020
3.00	23.0	—	—	CRP20021	CRP20022	CRP20023	CRP20024	CRP20025	CRP20026	CRP20027	CRP20028
3.75	29.0	—	—	CRP20029	CRP20030	CRP20031	CRP20032	CRP20033	CRP20034	CRP20035	CRP20036
4.50	35.0	—	—	CRP20037	CRP20038	CRP20039	CRP20040	CRP20041	CRP20042	CRP20043	CRP20044

**NOTE:** K T/C panels have one low noise internal T/C in center heater with extension wires routed into rear terminal box.

#### Stainless Steel Housing with NEMA 1 Terminal Box (Medical or Food Applications)

KW	Watt Density (W/in <sup>2</sup> )	Part Number									
		120V		240V-1Ph		240V-3Ph		480V-1Ph		480V-3Ph	
		No T/C	K T/C	No T/C	K T/C	No T/C	K T/C	No T/C	K T/C	No T/C	K T/C
1.50	11.6	CRP20045	CRP20046	CRP20047	CRP20048	CRP20049	CRP20050	CRP20051	CRP20052	CRP20053	CRP20054
2.25	17.4	CRP20055	CRP20056	CRP20057	CRP20058	CRP20059	CRP20060	CRP20061	CRP20062	CRP20063	CRP20064
3.00	23.0	—	—	CRP20065	CRP20066	CRP20067	CRP20068	CRP20069	CRP20070	CRP20071	CRP20072
3.75	29.0	—	—	CRP20073	CRP20074	CRP20075	CRP20076	CRP20077	CRP20078	CRP20079	CRP20080
4.50	35.0	—	—	CRP20081	CRP20082	CRP20083	CRP20084	CRP20085	CRP20086	CRP20087	CRP20088

**NOTE:** K T/C panels have one low noise internal T/C in center heater with extension wires routed into rear terminal box.

### Replacement Heaters for Standard Modular 12" x 12" CRP Radiant Panels

Panel KW	Heater Watts	Part Number					
		120V		120V-240V		240V-480V	
		No T/C	K T/C	No T/C	K T/C	No T/C	K T/C
1.50	500	CRL20021	CRL20022			CRL20023	CRL20024
2.25	750	—	—	CRL20025	CRL20026	CRL20027	CRL20028
3.00	1000	—	—			CRL20029	CRL20030
3.75	1250	—	—			CRL20031	CRL20032
4.50	1500	—	—			CRL20033	CRL20034

**NOTES:** All dual voltage heaters have two windings (parallel connected for the lower voltage & series connected for the higher voltage).

120V heaters are single winding designs.

K T/C units have an internal "low noise" style thermocouple with 12" leads.

#### Standard Panel Specifications

KW	Panel Watt Density***	Typical Operating Temperature**		Primary Emitted Wavelength*
		°F	°C	
1.50	12.0	796	424	4.2
2.25	18.0	956	513	3.7
3.00	24.0	1076	580	3.4
3.75	30.0	1191	644	3.2
4.50	36.0	1308	709	3.0

\*Peak infrared radiation wavelength as calculated from Wien's Law, for operating temperature shown. Expressed in microns (μm). Operating temperature based on room ambient testing @ 72°F.

\*\*E-Mitter heater body temperature as measured with internal thermocouple when mounted facedown in stock CRK reflector and operating in 72°F/22°C room ambient.

\*\*\*Watt density calculated using total heater face surface area within panel.

**DANGER: Hazard of Fire.** These heaters are not for use in atmospheres where flammable vapors, gases or liquids are present as defined in the National Electrical Code. Where solvents, water, etc. are being evaporated from the process it is necessary to provide substantial quantities of ventilating air to carry away all resulting vapors.



**WARNING: Hazard of Electric Shock.** Installation must be grounded to earth to avoid shock hazard. Disconnect power to installation before servicing or installing heater.

**WARNING: Do not use Copper Wire** to make connections inside this heater. High temperatures will oxidize copper. Use of nickel plated or nickel clad insulated copper wire is recommended. Wire insulation rating must be suitable for the ambient temperature of the wiring installation.

**Installation:** Do not mount CRP Panel Heaters closer than 6 inches to any structural material that does not have at least a 200°C (392°F) continuous temperature rating.

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