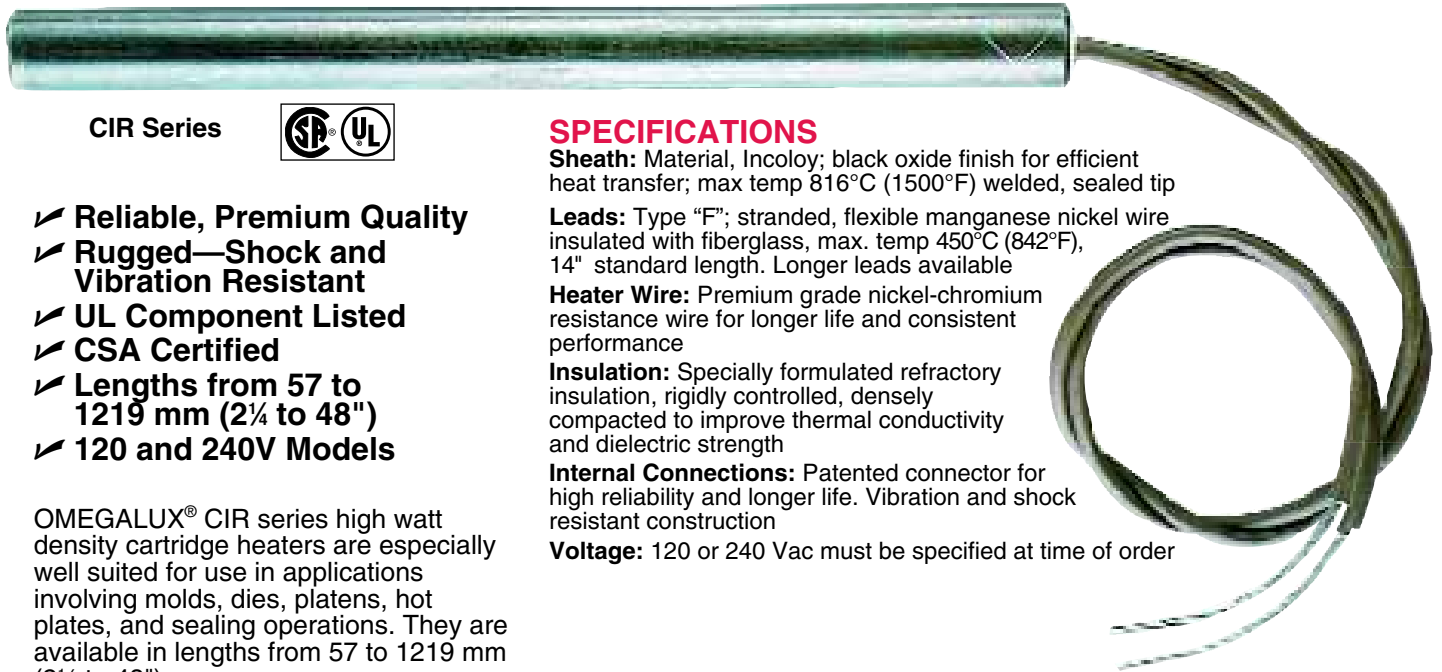


HIGH WATT DENSITY CARTRIDGE HEATERS— $\frac{3}{4}$ " Diameter

With Incoloy Sheath



CIR Series



- ✓ Reliable, Premium Quality
- ✓ Rugged—Shock and Vibration Resistant
- ✓ UL Component Listed
- ✓ CSA Certified
- ✓ Lengths from 57 to 1219 mm ($2\frac{1}{4}$ to 48")
- ✓ 120 and 240V Models

OMEGALUX® CIR series high watt density cartridge heaters are especially well suited for use in applications involving molds, dies, platens, hot plates, and sealing operations. They are available in lengths from 57 to 1219 mm ($2\frac{1}{4}$ to 48").

SPECIFICATIONS

Sheath: Material, Incoloy; black oxide finish for efficient heat transfer; max temp 816°C (1500°F) welded, sealed tip

Leads: Type "F"; stranded, flexible manganese nickel wire insulated with fiberglass, max. temp 450°C (842°F), 14" standard length. Longer leads available

Heater Wire: Premium grade nickel-chromium resistance wire for longer life and consistent performance

Insulation: Specially formulated refractory insulation, rigidly controlled, densely compacted to improve thermal conductivity and dielectric strength

Internal Connections: Patented connector for high reliability and longer life. Vibration and shock resistant construction

Voltage: 120 or 240 Vac must be specified at time of order

$\frac{3}{4}$ " Nominal Diameter CIR Series (Actual Diameter & Tolerance: 0.747" \pm 0.005)

To Order

Shth. Lgth.	Watts	W/ in ²	Model Number	Wt. lb.	Shth. Lgth.	Watts	W/ in ²	Model Number	Wt. lb.	Shth. Lgth.	Watts	W/ in ²	Model Number	Wt. lb.
2 $\frac{1}{4}$	200	49	CIR-5022/120	0.18	7 $\frac{1}{2}$	450	27	CIR-5077/240	0.61	15	1500	44	CIR-5150/240	1.15
2 $\frac{3}{8}$	200	45	CIR-5023/*	0.19	7 $\frac{1}{2}$	1300	78	CIR-5076/*	0.61	16	1800	49	CIR-5162/240	1.23
3	250	43	CIR-5031/120	0.23	8	500	28	CIR-5085/*	0.64	16	4700	128	CIR-5165/240	1.23
3	500	85	CIR-5030/*	0.23	8	1000	57	CIR-5080/240	0.64	17 $\frac{1}{2}$	850	21	CIR-5177/240	1.36
3 $\frac{1}{4}$	250	39	CIR-5033/*	0.26	8	1500	85	CIR-5081/240	0.64	18	1500	36	CIR-5180/240	1.38
3 $\frac{1}{2}$	650	101	CIR-5032/*	0.26	8	2000	113	CIR-5082/240	0.64	18	2000	48	CIR-5182/240	1.38
4	250	31	CIR-5042/120	0.32	9 $\frac{1}{2}$	500	25	CIR-5091/240	0.73	18	5000	122	CIR-5185/240	1.38
4	500	61	CIR-5040/240	0.32	10	1000	45	CIR-5100/240	0.79	20	1150	25	CIR-5202/240	1.53
4	1000	122	CIR-5041/240	0.32	10	2000	90	CIR-5102/240	0.79	20	2000	44	CIR-5201/240	1.53
4 $\frac{1}{4}$	350	35	CIR-5047/240	0.38	10 $\frac{1}{2}$	550	23	CIR-5106/240	0.83	20	2250	49	CIR-5203/240	1.53
5	300	28	CIR-5052/120	0.39	10 $\frac{1}{2}$	2000	85	CIR-5105/*	0.83	20	3850	84	CIR-5200/240	1.53
5	500	47	CIR-5051/240	0.39	11 $\frac{1}{2}$	600	22	CIR-5118/240	0.91	20	5000	110	CIR-5205/240	1.53
5	1000	95	CIR-5050/*	0.39	12	1000	37	CIR-5120/240	0.92	24	2500	42	CIR-5241/240	1.84
6	350	27	CIR-5061/240	0.48	12	2000	74	CIR-5121/240	0.92	24	1375	25	CIR-5243/240	1.84
6	500	39	CIR-5065/*	0.48	12	3000	111	CIR-5122/240	0.92	24	2500	42	CIR-5242/240	1.84
6	750	58	CIR-5062/240	0.48	12	4000	148	CIR-5124/240	0.92	24	2750	50	CIR-5244/240	1.84
6	1000	78	CIR-5067/240	0.48	13 $\frac{1}{2}$	650	21	CIR-5135/240	1.02	24	4600	83	CIR-5240/240	1.84
6	1100	85	CIR-5060/*	0.48	13 $\frac{1}{2}$	2500	83	CIR-5134/240	1.02	24	5000	85	CIR-5245/240	1.84
6	1500	117	CIR-5068/240	0.48	14	1250	40	CIR-5141/240	1.07	30	4800	69	CIR-5300/240	2.30
6	2000	155	CIR-5069/240	0.48	14	2500	80	CIR-5142/240	1.07	36	2500	30	CIR-5362/240	2.75
7	500	33	CIR-5075/*	0.57	14	4500	142	CIR-5144/240	1.07	36	4900	59	CIR-5360/240	2.75
7	1000	66	CIR-5072/240	0.57	14 $\frac{1}{2}$	750	22	CIR-5148/240	1.14	48	5000	45	CIR-5480/240	3.70

*Specify voltage. Insert "120" for 120 Vac or "240" for 240 Vac. Those model numbers that contain 120 or 240 are only available in that voltage.

Note: $\frac{3}{4}$ " diameter CIR series cartridge heaters use 10 AWG stranded lead wire.

Ordering Example: CIR-5023/240, cartridge heater with 2 $\frac{3}{8}$ " sheath, 200 watts, 45 W/in² and 240 Vac.