

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

### With Incoloy Sheath



CIR Series Starts at **\$51**



- ✓ 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

For Sales and Service in the U.S. and Canada:

**1-800-872-4328**  
**1-800-USA-HEAT**

$\frac{3}{4}$ " Nominal Diameter CIR Series  
(Actual Dia. & Tolerance: 0.747"  $\pm$  .005)

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

Shth. Lgth.	Watts	W/ in <sup>2</sup>	Model Number	Price	Wt. lbs.	Shth. Lgth.	Watts	W/ in <sup>2</sup>	Model Number	Price	Wt. lbs.	Shth. Lgth.	Watts	W/ in <sup>2</sup>	Model Number	Price	Wt. lbs.
2 $\frac{1}{4}$	200	49	CIR-5022/120	\$51	.18	7%	450	27	CIR-5077/240	\$93	.61	15	1500	44	CIR-5150/240	\$136	1.15
2%	200	45	CIR-5023/*	51	.19	7%	1300	78	CIR-5076/*	93	.61	16	1800	49	CIR-5162/240	142	1.23
3	250	43	CIR-5031/120	54	.23	8	500	28	CIR-5085/*	95	.64	16	4700	128	CIR-5165/240	142	1.23
3	500	85	CIR-5030/*	54	.23	8	1000	57	CIR-5080/240	95	.64	17%	850	21	CIR-5177/240	152	1.36
3 $\frac{1}{4}$	250	39	CIR-5033/*	55	.26	8	1500	85	CIR-5081/240	95	.64	18	1500	36	CIR-5180/240	154	1.38
3 $\frac{1}{2}$	650	101	CIR-5032/*	55	.26	8	2000	113	CIR-5082/240	95	.64	18	2000	48	CIR-5182/240	154	1.38
4	250	31	CIR-5042/120	59	.32	9%	500	25	CIR-5091/240	102	.73	18	5000	122	CIR-5185/240	154	1.38
4	500	61	CIR-5040/240	59	.32	10	1000	45	CIR-5100/240	107	.79	20	1150	25	CIR-5202/240	166	1.53
4	1000	122	CIR-5041/240	59	.32	10	2000	90	CIR-5102/240	107	.79	20	2000	44	CIR-5201/240	166	1.53
4 $\frac{1}{4}$	350	35	CIR-5047/240	76	.38	10 $\frac{1}{2}$	550	23	CIR-5106/240	110	.83	20	2250	49	CIR-5203/240	166	1.53
5	300	28	CIR-5052/120	77	.39	10 $\frac{1}{2}$	2000	85	CIR-5105/*	110	.83	20	3850	84	CIR-5200/240	166	1.53
5	500	47	CIR-5051/240	77	.39	11 $\frac{1}{2}$	600	22	CIR-5118/240	118	.91	20	5000	110	CIR-5205/240	166	1.53
5	1000	95	CIR-5050/*	77	.39	12	1000	37	CIR-5120/240	119	.92	24	2500	42	CIR-5241/240	189	1.84
6	350	27	CIR-5061/240	83	.48	12	2000	74	CIR-5121/240	119	.92	24	1375	25	CIR-5243/240	189	1.84
6	500	39	CIR-5065/*	83	.48	12	3000	111	CIR-5122/240	119	.92	24	2500	42	CIR-5242/240	189	1.84
6	750	58	CIR-5062/240	83	.48	12	4000	148	CIR-5124/240	119	.92	24	2750	50	CIR-5244/240	189	1.84
6	1000	78	CIR-5067/240	83	.48	13%	650	21	CIR-5135/240	127	1.02	24	4600	83	CIR-5240/240	189	1.84
6	1100	85	CIR-5060/*	83	.48	13%	2500	83	CIR-5134/240	127	1.02	24	5000	85	CIR-5245/240	189	1.84
6	1500	117	CIR-5068/240	83	.48	14	1250	40	CIR-5141/240	130	1.07	30	4800	69	CIR-5300/240	224	2.30
6	2000	155	CIR-5069/240	83	.48	14	2500	80	CIR-5142/240	130	1.07	36	2500	30	CIR-5362/240	260	2.75
7	500	33	CIR-5075/*	89	.57	14	4500	142	CIR-5144/240	130	1.07	36	4900	59	CIR-5360/240	260	2.75
7	1000	66	CIR-5072/240	89	.57	14 $\frac{1}{2}$	750	22	CIR-5148/240	136	1.14	48	5000	45	CIR-5480/240	330	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% sheath, 200 watts, 45 W/in<sup>2</sup> and 240 Vac, \$51.



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