

## HIGH WATT DENSITY CARTRIDGE HEATERS WITH INCOLOY® SHEATH 3/8" DIAMETER

CIR Series Starts at **\$35**



- Premium Quality
- Rugged Construction
- 120 and 240V Models Available
- Lengths from 1¼ to 24" (3 to 61 cm)

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 1¼ to 24" (3 to 61 cm).

### 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:** 120V or 240 Vac, must be specified at time of order

3/8" Nominal Diameter CIR Series (Actual Dia. & Tolerance: 0.373" ±0.005")

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order																	
Shth. in (cm)	Watt	W/in <sup>2</sup>	Model No.	Price	Wt. lbs. (kg)	Shth. in (cm)	Watt	W/in <sup>2</sup>	Model No.	Price	Wt. lbs. (kg)	Shth. in (cm)	Watt	W/in <sup>2</sup>	Model No.	Price	Wt. lbs. (kg)
1¼ (3)	100	114	CIR-2013/120	\$35	.05(.2)	2½ (6)	250	107	CIR-20251/*	\$41	.10(.05)	5 (13)	750	142	CIR-2054/240	\$50	.20(.09)
1¼ (3)	125	143	CIR-20131/120	35	.05(.2)	2½ (6)	300	129	CIR-2029/*	41	.10(.05)	5 (13)	1000	190	CIR-2056/240	50	.20(.09)
1¼ (3)	150	171	CIR-2012/*	35	.05(.2)	2½ (6)	400	171	CIR-2026/*	41	.10(.05)	5½ (13)	200	44	CIR-2057/240	51	.21(.1)
1¼ (3)	200	228	CIR-2014/*	35	.05(.2)	2½ (6)	500	214	CIR-20252/*	41	.10(.05)	5½ (14)	600	102	CIR-2058/240	53	.22(.1)
1½ (4)	50	43	CIR-2018/120	36	.06(.3)	2½ (7)	250	91	CIR-20253/120	43	.11(.05)	5½ (14)	1000	171	CIR-2059/240	53	.24(.1)
1½ (4)	85	73	CIR-2016/120	36	.06(.3)	2½ (7)	300	109	CIR-20254/240	43	.11(.05)	6 (15)	200	31	CIR-2064/120	56	.24(.1)
1½ (4)	100	85	CIR-20151/*	36	.06(.3)	3 (8)	100	34	CIR-2032/*	44	.12(.05)	6 (15)	250	39	CIR-2061/*	56	.24(.1)
1½ (4)	130	111	CIR-20152/240	36	.06(.3)	3 (8)	150	51	CIR-2033/*	44	.12(.05)	6 (15)	400	62	CIR-2065/*	56	.24(.1)
1½ (4)	150	129	CIR-2019/*	36	.06(.3)	3 (8)	200	68	CIR-2031/*	44	.12(.05)	6 (15)	500	78	CIR-2060/*	56	.24(.1)
1½ (4)	200	171	CIR-2015/*	36	.06(.3)	3 (8)	250	85	CIR-2034/*	44	.12(.05)	6 (15)	600	93	CIR-2066/*	56	.24(.1)
1½ (4)	250	214	CIR-20191/*	36	.06(.3)	3 (8)	300	103	CIR-20301/*	44	.12(.05)	6 (15)	750	117	CIR-2062/240	56	.24(.1)
1¾ (4)	125	85	CIR-2017/120	37	.06(.3)	3 (8)	400	137	CIR-20302/*	44	.12(.05)	6 (15)	1000	155	CIR-2063/240	56	.24(.1)
1¾ (4)	175	120	CIR-20171/120	37	.06(.3)	3 (8)	500	171	CIR-2030/*	44	.12(.05)	6½ (17)	600	85	CIR-2067/240	60	.26(.1)
1¾ (4)	250	170	CIR-20172/*	37	.06(.3)	3 (8)	600	205	CIR-2036/240	44	.12(.05)	6½ (17)	1000	143	CIR-2068/240	60	.26(.1)
1¾ (5)	200	128	CIR-20173/120	38	.06(.3)	3½ (9)	250	71	CIR-2037/*	46	.14(.06)	7 (18)	250	33	CIR-2070/*	63	.28(.1)
2 (5)	50	29	CIR-20201/120	39	.07(.3)	3½ (9)	300	86	CIR-2038/*	46	.14(.06)	7 (18)	600	79	CIR-2076/*	63	.28(.1)
2 (5)	75	42	CIR-20209/120	39	.07(.3)	3½ (9)	500	142	CIR-2035/*	49	.14(.06)	7 (18)	1000	131	CIR-2079/240	63	.28(.1)
2 (5)	100	57	CIR-20202/*	39	.07(.3)	3½ (10)	150	37	CIR-2039/120	48	.15(.07)	7½ (19)	600	73	CIR-2075/240	66	.30(.1)
2 (5)	150	85	CIR-2021/*	39	.07(.3)	3½ (10)	500	128	CIR-20303/240	48	.15(.07)	7½ (19)	1000	122	CIR-2077/240	66	.30(.1)
2 (5)	200	114	CIR-20203/*	39	.07(.3)	4 (10)	125	30	CIR-2045/*	49	.16(.07)	8 (20)	300	34	CIR-2081/*	69	.32(.1)
2 (5)	250	142	CIR-2020/*	39	.07(.3)	4 (10)	150	37	CIR-2041/*	49	.16(.07)	8 (20)	400	45	CIR-2082/120	69	.32(.1)
2 (5)	300	171	CIR-20204/*	39	.07(.3)	4 (10)	175	44	CIR-2046/120	49	.16(.07)	8 (20)	500	57	CIR-2085/*	69	.32(.1)
2 (5)	350	199	CIR-20205/*	39	.07(.3)	4 (10)	200	51	CIR-2044/240	66	.16(.07)	8 (20)	600	68	CIR-2086/*	69	.32(.1)
2 (5)	400	228	CIR-20206/*	39	.07(.3)	4 (10)	250	61	CIR-2042/*	49	.16(.07)	8 (20)	700	80	CIR-2080/*	69	.32(.1)
2 (5)	500	262	CIR-20207/*	39	.07(.3)	4 (10)	300	73	CIR-2040/*	49	.16(.07)	8 (20)	1000	115	CIR-2089/240	69	.32(.1)
2½ (6)	75	37	CIR-20225/120	39	.08(.4)	4 (10)	400	102	CIR-2047/*	49	.16(.07)	9½ (24)	600	57	CIR-2090/240	79	.38(.2)
2½ (6)	100	49	CIR-20221/*	40	.08(.4)	4 (10)	450	110	CIR-2048/240	49	.16(.07)	9½ (24)	1000	97	CIR-2091/240	79	.38(.2)
2½ (6)	125	61	CIR-2023/*	40	.08(.4)	4 (10)	500	122	CIR-2043/*	49	.16(.07)	10 (25)	400	36	CIR-2102/120	82	.40(.2)
2½ (6)	150	73	CIR-20222/*	40	.08(.4)	4 (10)	550	133	CIR-2049/120	49	.16(.07)	10 (25)	600	54	CIR-2100/*	82	.40(.2)
2½ (6)	175	86	CIR-20226/120	40	.08(.4)	4½ (11)	300	64	CIR-20401/*	47	.18(.08)	10 (25)	1000	90	CIR-2101/240	82	.40(.2)
2½ (6)	200	98	CIR-20223/*	40	.08(.4)	4½ (11)	500	106	CIR-20402/*	47	.18(.08)	12 (30)	500	30	CIR-2122/120	95	.48(.2)
2½ (6)	250	122	CIR-2022/*	40	.08(.4)	4½ (12)	300	58	CIR-20403/240	49	.19(.09)	12 (30)	600	45	CIR-2123/*	95	.48(.2)
2½ (6)	300	147	CIR-20224/*	40	.08(.4)	4½ (12)	500	97	CIR-20404/240	49	.19(.09)	12 (30)	900	67	CIR-2120/*	95	.48(.2)
2½ (6)	350	172	CIR-20227/*	40	.08(.4)	5 (13)	150	29	CIR-2055/*	50	.20(.09)	12 (30)	1000	74	CIR-2121/240	95	.48(.2)
2¾ (6)	75	34	CIR-2025/120	41	.09(.4)	5 (13)	200	88	CIR-2051/*	50	.20(.09)	15 (38)	1100	65	CIR-2150/240	115	.80(.4)
2¾ (6)	165	75	CIR-2024/*	41	.09(.4)	5 (13)	300	57	CIR-2052/*	50	.20(.09)	20 (51)	1300	57	CIR-2200/240	147	.80(.4)
2½ (6)	100	43	CIR-2027/240	41	.10(.05)	5 (13)	400	76	CIR-2050/*	50	.20(.09)	24(61)	1500	55	CIR-2240/240	173	.90(.4)
2½ (6)	200	86	CIR-2028/*	41	.10(.05)	5 (13)	500	95	CIR-2053/*	50	.20(.09)						

\*Designate voltage, insert "120" for 120 Vac or "240" for 240 Vac. Those model numbers containing 120 or 240 are only available in that voltage.

†Consult Sales.

Note: 3/8" (1cm) diameter CIR series cartridge heaters use 17 AWG stranded lead wire.

Ordering Example: CIR-2054/240, 5", high watt density cartridge heater, \$50.

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