

FINNED STRIP HEATERS

For Fast Heat Transfer

OTF Series Starts at
\$80



- ✓ Rugged, Reliable, Premium Quality
- ✓ 250 to 4150 W
- ✓ 1½" (3.8 cm) Strip [with Fins 2" (5 cm) Wide]
- ✓ Maximum Work Temperature from 225 to 565°F
- ✓ Available with Either Rust-Resisting Iron or Chrome Steel Sheath

FEATURES

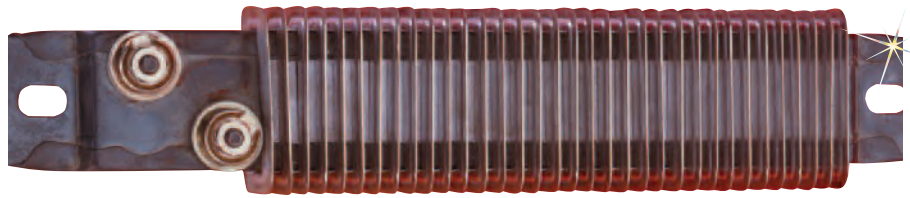
Durability is assured by rugged OMEGALUX® strip heater with lock-on aluminized steel fins

Fast heat transfer to air from large finned area.

Large selection of lengths, wattage and watt densities.

UL Component Recognized

Finned elements (exclusive construction). High-quality, coiled nickel-chrome resistor wire is uniformly spaced over the width and length of the finned strip element, then embedded in high-grade refractory material which both insulates the wire and transfers heat rapidly. The refractory is then compressed to rock hardness and maximum density under tremendous hydraulic pressure to improve heat transfer from coil to sheath. Elements are oven baked at high temperatures to semi-vitrify and mature the refractory. Sheath material is either rust-resisting iron or chrome steel. Fins of aluminized steel are provided to improve that transfer to the air. Elements are individually replaceable.



OTF-106/120, \$80, shown smaller than actual size.

APPLICATION

- ✓ For mounting across air stream within forced air ducts
- ✓ For use in dryers, ovens and other process air heating equipment
- ✓ For comfort heating applications, principally ducts, load banks and humidity controls
- ✓ A wide range of air blast and convection requirements can be accommodated by the wide range of lengths, wattages and watt densities available

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Rust-Resisting Iron Sheath for Sheath Temperatures to 750°F Max.							
Watts	W/In ² †	Dimension: Inches (cm)			Model No.	Price	Weight lb (kg)
		A	B	F			
250	10	10½(27)	9½(24)	6(15)	OTF-102/*	\$80	2(0.9)
350	15	10½(27)	9½(24)	6(15)	OTF-103/*	80	2(0.9)
600	25	10½(27)	9½(24)	6(15)	OTF-106/*	80	2(0.9)
500	17	12(30)	11(28)	7½(19)	OTF-125/*	89	2(0.9)
750	25	12(30)	11(28)	7½(19)	OTF-127/*	89	2(0.9)
250	8	12(30)	11(28)	7½(19)	OTF-122/240	89	2(0.9)
900	25	14(36)	13(33)	9½(24)	OTF-149/*	99	2(0.9)
500	15	14(36)	13(33)	9½(24)	OTF-145/240	99	2(0.9)
325	8	15¼(39)	14¼(36)	10¾(27)	OTF-153/120	107	3(1.4)
1000	25	15¼(39)	14¼(36)	10¾(27)	OTF-151/*	107	3(1.4)
500	10	17¾(46)	16¾(43)	13¾(34)	OTF-185/*	118	3(1.4)
1000	19	17¾(46)	16¾(43)	13¾(34)	OTF-181/*	118	3(1.4)
1300	25	17¾(46)	16¾(43)	13¾(34)	OTF-182/*	118	3(1.4)
1000	18	19½(50)	18½(47)	15(38)	OTF-191/240	129	3(1.4)
1500	25	19½(50)	18½(47)	15(38)	OTF-192/*	129	3(1.4)
1000	16	21(53)	20(51)	16½(12)	OTF-211/240	139	3(1.4)
1550	25	21(53)	20(51)	16½(12)	OTF-212/240	133	3(1.4)
750	10	23¾(60)	22¾(58)	19¼(49)	OTF-247/240	150	4(1.8)
1000	14	23¾(60)	22¾(58)	19¼(49)	OTF-241/240	150	4(1.8)
1800	25	23¾(60)	22¾(58)	19¼(49)	OTF-242/240	150	4(1.8)
1250	16	25½(65)	24½(62)	21(53)	OTF-251/240	157	4(1.8)
2000	26	25½(65)	24½(62)	21(53)	OTF-252/240	157	4(1.8)
700	9	26¾(68)	25¾(65)	22¼(57)	OTF-267/*	164	4(1.8)
1350	17	26¾(68)	25¾(65)	22¼(57)	OTF-261/240	164	4(1.8)
2000	24	26¾(68)	25¾(65)	22¼(57)	OTF-262/240	164	4(1.8)
1500	17	30¾(77)	29¾(75)	25(64)	OTF-301/240	184	4(1.8)
2350	26	30¾(77)	29¾(75)	25(64)	OTF-302/240	184	4(1.8)
1000	9	35¾(91)	34¾(89)	30¾(77)	OTF-361/240	210	5(2.3)
1800	16	35¾(91)	34¾(89)	30¾(77)	OTF-363/240	210	5(2.3)
2850	26	35¾(91)	34¾(89)	30¾(77)	OTF-362/240	210	5(2.3)
2000	17	38¾(98)	37¾(89)	33(84)	OTF-382/240	225	5(2.3)
3100	26	38¾(98)	37¾(89)	33(84)	OTF-383/*	225	5(2.3)
3400	26	42¾(108)	41¾(106)	37(94)	OTF-43/240	240	6(2.7)

* Specify voltage, insert "120" for 120 Vac or 240 for "240" Vac. Model numbers containing /120 or /240 are only available in that voltage.

† To determine maximum allowable watt density, see Figure C-10 (page 80).

Ordering Examples: OTF-127/120, finned strip heater 120 Vac, \$89.

OTF-102/240, finned strip heater 240 Vac, \$80.

STRIP HEATERS

Maximum work temperature

Finned strip elements can generally be used in the following applications at maximum temperatures shown without exceeding their capability if properly installed according to instructions packed with heaters.

Free air

Iron sheath 225°F
 Chrome steel sheath 315°F

Moving Air—air velocity, at 16fps

Iron sheath 460°F
 Chrome steel sheath 565°F

The above maximum temperatures are based on 15 watts per sq. in. density for iron sheath and 20 watts per sq. in. density for chrome steel sheath. If elements have a lower watt density, work temperature may be increased; if watt density is higher, work temperature should be lower.

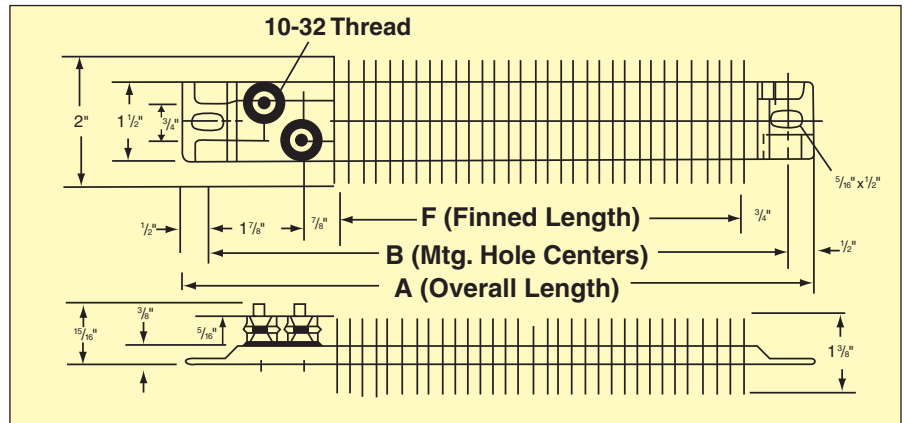
Wiring. Alloy wire or bus bar is used for power connections. See wire section.

Thermostatic control and overheat protection. See Section P for a selection of controllers.

Removable terminal covers— shipped unassembled. Order separately. OTF cover— Model No. OT-AC-1, Price \$22.

Secondary Insulation Bushings are needed at each end of finned strip elements when connected in series on line voltages above 300V. To accommodate bushings, 1/32" x 1/16" Dia. mounting hole in tabs should be specified for elements.

To order secondary insulation bushings, add suffix "/PCN255716" to Model no. and add \$15 to price.



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)							
Chrome Steel Sheath—for Sheath Temperatures to 950°F max.							
Watts	W/In ² †	Dimensions: Inches (cm)			Model No.	Price	Weight. lb (kg)
		A	B	F			
475	23	10 1/2 (27)	9 1/2 (24)	6 (15)	OTF-1004/*	\$95	2 (.9)
725	35	10 1/2 (27)	9 1/2 (24)	6 (15)	OTF-1007/*	95	2 (.9)
350	17	10 1/2 (27)	9 1/2 (24)	6 (15)	OTF-1003/240	95	2 (.9)
700	27	12 (30)	11 (28)	7 1/2 (19)	OTF-1207/*	102	2 (.9)
900	34	12 (30)	11 (28)	7 1/2 (19)	OTF-1209/*	102	2 (.9)
750	21	14 (36)	11 (28)	7 1/2 (19)	OTF-1407/*	117	2 (.9)
1100	33	14 (36)	13 (33)	9 1/2 (24)	OTF-1401/*	117	2 (.9)
850	21	15 1/4 (39)	14 1/4 (36)	10 3/4 (27)	OTF-1508/240	125	3 (1.4)
1250	33	15 1/4 (39)	14 1/4 (36)	10 3/4 (27)	OTF-1501/240	125	3 (1.4)
750	16	17 1/4 (45)	16 3/4 (43)	13 3/4 (34)	OTF-1807/240	142	3 (1.4)
1000	21	17 1/4 (45)	16 3/4 (43)	13 3/4 (34)	OTF-1801/240	142	3 (1.4)
1550	33	17 1/4 (45)	16 3/4 (43)	13 3/4 (34)	OTF-1802/240	142	3 (1.4)
1000	19	19 1/2 (50)	18 1/2 (47)	15 (38)	OTF-1901/240	146	3 (1.4)
1250	24	19 1/2 (50)	18 1/2 (47)	15 (38)	OTF-1902/240	146	3 (1.4)
1700	32	19 1/2 (50)	18 1/2 (47)	15 (38)	OTF-1903/240	146	3 (1.4)
1250	21	21 (53)	20 (51)	16 1/2 (42)	OTF-2101/240	152	3 (1.4)
750	13	21 (53)	20 (51)	16 1/2 (42)	OTF-2107/240	152	3 (1.4)
1900	32	21 (53)	20 (51)	16 1/2 (42)	OTF-2102/240	152	3 (1.4)
2200	32	23 3/4 (60)	22 3/4 (58)	19 1/4 (49)	OTF-2402/240	166	4 (1.8)
1000	15	23 3/4 (60)	22 3/4 (58)	19 1/4 (49)	OTF-2401/240	166	4 (1.8)
1450	21	23 3/4 (60)	22 3/4 (58)	19 1/4 (49)	OTF-2403/240	166	4 (1.8)
1500	20	25 1/2 (65)	24 1/2 (62)	21 (53)	OTF-2501/240	157	4 (1.8)
2400	32	25 1/2 (65)	24 1/2 (62)	21 (53)	OTF-2502/240	157	4 (1.8)
1600	20	26 3/4 (68)	25 3/4 (65)	22 1/4 (57)	OTF-2601/240	176	4 (1.8)
2500	32	26 3/4 (68)	25 3/4 (65)	22 1/4 (57)	OTF-2602/240	176	4 (1.8)
1800	20	30 1/2 (77)	29 3/4 (75)	25 (64)	OTF-3001/240	198	4 (1.8)
2800	31	30 1/2 (77)	29 3/4 (75)	25 (64)	OTF-3002/240	198	4 (1.8)
2100	20	33 1/2 (85)	32 3/4 (82)	28 (70)	OTF-3302/240	215	5 (2.3)
3150	31	33 1/2 (85)	32 3/4 (82)	28 (70)	OTF-3303/*	215	5 (2.3)
1500	14	35 1/4 (96)	34 3/4 (93)	30 3/4 (76)	OTF-3601/240	225	5 (2.3)
2300	21	35 1/4 (96)	34 3/4 (93)	30 3/4 (76)	OTF-3602/240	225	5 (2.3)
3450	31	35 1/4 (96)	34 3/4 (93)	30 3/4 (76)	OTF-3603/240	225	5 (2.3)
2450	21	38 1/2 (98)	37 3/4 (96)	33 (84)	OTF-3802/240	235	5 (2.3)
3600	31	38 1/2 (98)	37 3/4 (96)	33 (84)	OTF-3803/240	235	5 (2.3)
4150	31	42 1/2 (108)	41 1/2 (106)	37 (94)	OTF-430/240	255	6 (2.7)
2250	14	48 (122)	47 (119)	37 (94)	OTF-480/240	280	8 (3.6)

* Specify voltage, insert "120" for 120 Vac or "240" for 240 Vac. Model numbers containing /120 or /240 are only available in that voltage.
 † To determine maximum allowable watt density, see Figure C-10 (page 80).
Ordering Example: OTF-3303/120, finned strip heater with chrome steel sheath 120 Vac, \$202.
 OTF-1004/240, finned strip heater with chrome steel sheath 240 Vac, \$95.

CAUTION AND WARNING
 Fire and electrical shock may result if products are used improperly or used by non-qualified personnel. See inside back cover for additional warning.

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