

TLS & KTLS

L-Shaped Metal Sheath Heaters

- Stainless Steel Sheath Elements (40 W/In²)
- Stainless Steel Riser (36 and 48")
- 2 - 18 kW
- 120, 240 and 480V, 1 & 3 Phase
- Moisture Resistant Terminal Enclosure
- For Mildly Corrosive Fluids



OVER-THE-SIDE

Specifications and Ordering Information

| kW | Volts | Phase | Riser A - DIM (In.) | Straight Elements | | | Circular Elements | | | Wt. (Lbs.) | | |
|---|-------|-------|---------------------|-----------------------------------|---------------------------|-------|-------------------|-----------------------------------|----------------------------|------------|--------|-----|
| | | | | Min. Tank Clearance B - DIM (In.) | Model | Stock | PCN | Min. Tank Clearance B - DIM (In.) | Model | | Stock | PCN |
| 2 Elements — Stainless Steel (40 W/In²) | | | | | | | | | | | | |
| 2 | 120 | 1 | 36 | 12-1/4 | TLS-220A-036 | AS | 193527 | 10-5/8 | KTLS-220A-036 | AS | 182810 | 8 |
| 2 | 240 | 1 | 36 | 12-1/4 | TLS-220A-036 | AS | 193535 | 10-5/8 | KTLS-220A-036 | AS | 182828 | 8 |
| 2 | 480 | 1 | 36 | 12-1/4 | TLS-220A-036 | AS | 193543 | 10-5/8 | KTLS-220A-036 | AS | 182836 | 8 |
| 4 | 120 | 1 | 36 | 22-1/4 | TLS-240A-036 | AS | 193551 | 13-3/4 | KTLS-240A-036 | AS | 182844 | 8 |
| 4 | 240 | 1 | 36 | 22-1/4 | TLS-240A-036 | AS | 193560 | 13-3/4 | KTLS-240A-036 | AS | 182852 | 8 |
| 4 | 480 | 1 | 36 | 22-1/4 | TLS-240A-036 | AS | 193578 | 13-3/4 | KTLS-240A-036 | AS | 182860 | 8 |
| 6 | 120 | 1 | 36 | 29-1/2 | TLS-260A-036 ¹ | NS | 193586 | 16-1/8 | KTLS-260A-036 ¹ | NS | 182879 | 10 |
| 6 | 240 | 1 | 36 | 29-1/2 | TLS-260A-036 | AS | 193594 | 16-1/8 | KTLS-260A-036 | AS | 182887 | 10 |
| 6 | 480 | 1 | 36 | 29-1/2 | TLS-260A-036 | AS | 193607 | 16-1/8 | KTLS-260A-036 | AS | 182895 | 10 |
| 8 | 240 | 1 | 36 | 37-3/8 | TLS-280A-036 | AS | 193615 | 18-5/8 | KTLS-280A-036 | AS | 182908 | 12 |
| 8 | 480 | 1 | 36 | 37-3/8 | TLS-280A-036 | AS | 193623 | 18-5/8 | KTLS-280A-036 | AS | 182916 | 12 |
| 10 | 240 | 1 | 48 | 45 | TLS-210A-048 | AS | 193631 | 21-1/4 | KTLS-210A-048 | AS | 182924 | 14 |
| 10 | 480 | 1 | 48 | 45 | TLS-210A-048 | AS | 193640 | 21-1/4 | KTLS-210A-048 | AS | 182932 | 14 |
| 12 | 240 | 1 | 48 | 52-1/2 | TLS-212A-048 ¹ | AS | 193658 | 23-1/2 | KTLS-212A-048 ¹ | AS | 182940 | 16 |
| 12 | 480 | 1 | 48 | 52-1/2 | TLS-212A-048 | AS | 193666 | 23-1/2 | KTLS-212A-048 | AS | 182959 | 16 |
| 3 Elements — Stainless Steel (40 W/In²) | | | | | | | | | | | | |
| 3 | 120 | 1 | 36 | 12-1/4 | TLS-330A-036 | AS | 194765 | 10-5/8 | KTLS-330A-036 | AS | 183628 | 9 |
| 3 | 240 | 1 | 36 | 12-1/4 | TLS-330A-036 | AS | 194781 | 10-5/8 | KTLS-330A-036 | AS | 183636 | 9 |
| 3 | 240 | 3 | 36 | 12-1/4 | TLS-330A-036 | NS | 277499 | 10-5/8 | KTLS-330A-036 | AS | 183644 | 9 |
| 3 | 480 | 1 | 36 | 12-1/4 | TLS-330A-036 | NS | 194802 | 10-5/8 | KTLS-330A-036 | AS | 183652 | 9 |
| 3 | 480 | 3 | 36 | 12-1/4 | TLS-330A-036 | AS | 194810 | 10-5/8 | KTLS-330A-036 | AS | 183660 | 9 |
| 6 | 120 | 1 | 36 | 22-1/4 | TLS-360A-036 ¹ | AS | 194829 | 13-3/4 | KTLS-360A-036 ¹ | AS | 183679 | 10 |
| 6 | 240 | 1 | 36 | 22-1/4 | TLS-360A-036 | AS | 194845 | 13-3/4 | KTLS-360A-036 | AS | 183687 | 10 |
| 6 | 240 | 3 | 36 | 22-1/4 | TLS-360A-036 | AS | 277501 | 13-3/4 | KTLS-360A-036 | AS | 183695 | 10 |
| 6 | 480 | 1 | 36 | 22-1/4 | TLS-360A-036 | AS | 194861 | 13-3/4 | KTLS-360A-036 | AS | 183708 | 10 |
| 6 | 480 | 3 | 36 | 22-1/4 | TLS-360A-036 | S | 277510 | 13-3/4 | KTLS-360A-036 | AS | 183716 | 10 |
| 9 | 120 | 1 | 36 | 29-1/2 | TLS-390A-036 ¹ | NS | 194888 | 16-1/8 | KTLS-390A-036 ¹ | NS | 183724 | 12 |
| 9 | 240 | 1 | 36 | 29-1/2 | TLS-390A-036 | AS | 194909 | 16-1/8 | KTLS-390A-036 | AS | 183732 | 12 |
| 9 | 240 | 3 | 36 | 29-1/2 | TLS-390A-036 | S | 277528 | 16-1/8 | KTLS-390A-036 | S | 277544 | 12 |
| 9 | 480 | 1 | 36 | 29-1/2 | TLS-390A-036 | AS | 194925 | 16-1/8 | KTLS-390A-036 | AS | 183740 | 12 |
| 9 | 480 | 3 | 36 | 29-1/2 | TLS-390A-036 | S | 277536 | 16-1/8 | KTLS-390A-036 | S | 277552 | 12 |
| 12 | 240 | 1 | 48 | 37-3/8 | TLS-312A-048 ¹ | AS | 194941 | 18-5/8 | KTLS-312A-048 ¹ | AS | 183759 | 14 |
| 12 | 240 | 3 | 48 | 37-3/8 | TLS-312A-048 | S | 194950 | 18-5/8 | KTLS-312A-048 | AS | 183767 | 14 |
| 12 | 480 | 1 | 48 | 37-3/8 | TLS-312A-048 | AS | 194968 | 18-5/8 | KTLS-312A-048 | AS | 183775 | 14 |
| 12 | 480 | 3 | 48 | 37-3/8 | TLS-312A-048 | S | 277560 | 18-5/8 | KTLS-312A-048 | S | 277579 | 14 |
| 15 | 240 | 1 | 48 | 45 | TLS-315A-048 ¹ | AS | 194984 | 21-1/4 | KTLS-315A-048 ¹ | AS | 183783 | 16 |
| 15 | 240 | 3 | 48 | 45 | TLS-315A-048 | AS | 194992 | 21-1/4 | KTLS-315A-048 | AS | 183791 | 16 |
| 15 | 480 | 1 | 48 | 45 | TLS-315A-048 | AS | 195004 | 21-1/4 | KTLS-315A-048 | AS | 183804 | 16 |
| 15 | 480 | 3 | 48 | 45 | TLS-315A-048 | S | 277587 | 21-1/4 | KTLS-315A-048 | AS | 277595 | 16 |
| 18 | 240 | 1 | 48 | 52-1/2 | TLS-318A-048 ¹ | AS | 195020 | 23-1/2 | KTLS-318A-048 ¹ | AS | 183812 | 18 |
| 18 | 240 | 3 | 48 | 52-1/2 | TLS-318A-048 | AS | 195039 | 23-1/2 | KTLS-318A-048 | AS | 183820 | 18 |
| 18 | 480 | 1 | 48 | 52-1/2 | TLS-318A-048 | AS | 195047 | 23-1/2 | KTLS-318A-048 | AS | 183839 | 18 |
| 18 | 480 | 3 | 48 | 52-1/2 | TLS-318A-048 | S | 277608 | 23-1/2 | KTLS-318A-048 | S | 277616 | 18 |

Stock Status: S = stock AS = assembly stock NS = non-stock
To Order—Specify model, PCN, kW, volts, phase and quantity.

Note — Thermostat Kit Option: 0 - 100°F (AR-115 Kit, PCN 277835);
 60 - 250°F (AR-2529 Kit, PCN 277819); 200 - 550°F (AR-5529 Kit, PCN 277827).

1. Not UL or CSA (units exceed 48 Amps). Contact your Local Chromalox Sales office for additional circuits to comply with 48 Amp maximum.