

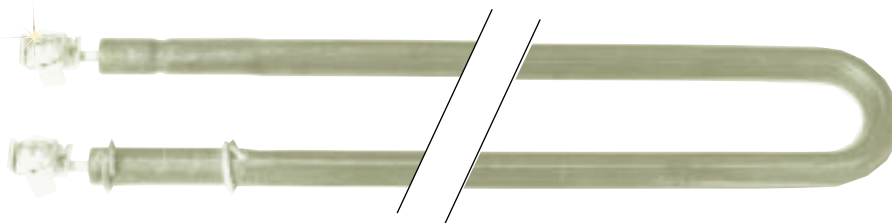
# 3/8" (9.5 mm) DIAMETER HEART CROSS-SECTION



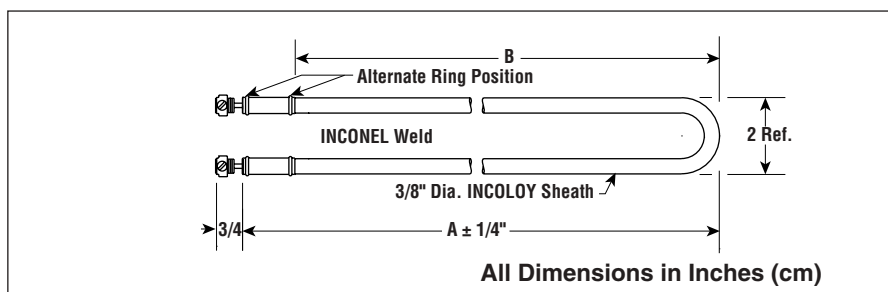
## UTU



- ✓ INCOLOY Sheath
- ✓ 800 - 3,600 Watts
- ✓ 120, 208, 240, 275 and 480 Volt
- ✓ 40 W/In<sup>2</sup>
- ✓ 2 1/8" Cold Ends
- ✓ 1600°F Max. Sheath Temp.
- ✓ Component of Radiant Heater (type U-RAD, DU-RAD and RUTU)



### Dimensions



### APPLICATIONS

- Radiant Heating in Room Ambient
- Heating High Velocity Air
- Low Temperature Clamp-ons

### ADVANTAGES

Specially constructed to provide excellent service life in radiant heating applications.

### FEATURES

**Type 8 Terminals:** Standard with threaded clip to facilitate wiring.

Retaining Rings locate elements in radiant heater assemblies.

**Work Temperatures :** See Tubular Heater Overview section.

**Bending:** Lengthwise only. See bending requirements Tubular Heater Overview section.

### To Order (Specify Model Number)

| Watts | Volts | W/In <sup>2</sup> | Dimensions In. (cm) |              | INCOLOY Sheath |       | Weight (Lb.) |
|-------|-------|-------------------|---------------------|--------------|----------------|-------|--------------|
|       |       |                   | Sheath A            | Heated B     | Model No.      | Price |              |
| 800   | 120   | 40                | 10 1/2 (27)         | 8 3/8 (21)   | UTU-2/120      | \$71  | 0.8          |
| 800   | 208   | 40                | 10 1/2 (27)         | 8 3/8 (21)   | UTU-2V/208     | 71    | 0.8          |
| 800   | 240   | 40                | 10 1/2 (27)         | 8 3/8 (21)   | UTU-2/240      | 71    | 0.8          |
| 800   | 275   | 40                | 10 1/2 (27)         | 8 3/8 (21)   | UTU-2V/275     | 71    | 0.8          |
| 1100  | 120   | 40                | 13 3/16 (34)        | 11 7/16 (29) | UTU-3/120      | 76    | 1            |
| 1100  | 208   | 40                | 13 3/16 (34)        | 11 7/16 (29) | UTU-3V/208     | 76    | 1            |
| 1100  | 240   | 40                | 13 3/16 (34)        | 11 7/16 (29) | UTU-3/240      | 76    | 1            |
| 1100  | 275   | 40                | 13 3/16 (34)        | 11 7/16 (29) | UTU-3V/275     | 76    | 1            |
| 1800  | 208   | 40                | 21 1/16 (54)        | 19 3/16 (49) | UTU-4V/208     | 97    | 1.3          |
| 1800  | 240   | 40                | 21 1/16 (54)        | 19 3/16 (49) | UTU-4/240      | 97    | 1.3          |
| 1800  | 275   | 40                | 21 1/16 (54)        | 19 3/16 (49) | UTU-4V/275     | 97    | 1.3          |
| 1800  | 480   | 40                | 21 1/16 (54)        | 19 3/16 (49) | UTU-4/480      | 97    | 1.3          |
| 2500  | 208   | 40                | 28 1/16 (73)        | 26 3/16 (67) | UTU-5V/208     | 140   | 1.5          |
| 2500  | 240   | 40                | 28 1/16 (73)        | 26 3/16 (67) | UTU-5/240      | 140   | 1.5          |
| 2500  | 275   | 40                | 28 1/16 (73)        | 26 3/16 (67) | UTU-5V/275     | 140   | 1.5          |
| 2500  | 480   | 40                | 28 1/16 (73)        | 26 3/16 (67) | UTU-5/480      | 140   | 1.5          |
| 3000  | 208   | 40                | 34 3/16 (88)        | 32 7/16 (82) | UTU-6V/208     | 177   | 1.8          |
| 3000  | 240   | 40                | 34 3/16 (88)        | 32 7/16 (82) | UTU-6/240      | 177   | 1.8          |
| 3000  | 275   | 40                | 34 3/16 (88)        | 32 7/16 (82) | UTU-6V/275     | 177   | 1.8          |
| 3000  | 480   | 40                | 34 3/16 (88)        | 32 7/16 (82) | UTU-6/480      | 177   | 1.8          |
| 3600  | 208   | 40                | 40 9/16 (103)       | 38 7/16 (98) | UTU-7V/208     | 198   | 2            |
| 3600  | 240   | 40                | 40 9/16 (103)       | 38 7/16 (98) | UTU-7/240      | 198   | 2            |
| 3600  | 275   | 40                | 40 9/16 (103)       | 38 7/16 (98) | UTU-7V/275     | 198   | 2            |
| 3600  | 480   | 40                | 40 9/16 (103)       | 38 7/16 (98) | UTU-7/480      | 198   | 2            |

Ordering Example: UTU-4V/208 is a 1800 Watt, 208 Volt Heater, \$97.



# 3/8" (9.5 mm) DIAMETER HEART CROSS-SECTION (cont'd.)

UTU Style



- ✓ INCOLOY Sheath
- ✓ 1600 - 3950 Watts
- ✓ 120, 208, 275 and 480 Volt
- ✓ 40 W/in<sup>2</sup>
- ✓ 2 3/4" Cold Ends
- ✓ 1600°F (870°C) Maximum Sheath Temperature
- ✓ Component of Radiant Heater (Type DU-RAD)



## APPLICATIONS

- Radiant Heating in Room Ambient
- Heating High Velocity Air
- Low Temperature Clamp-ons

## ADVANTAGES

Specially constructed to provide excellent service life in radiant heating applications.

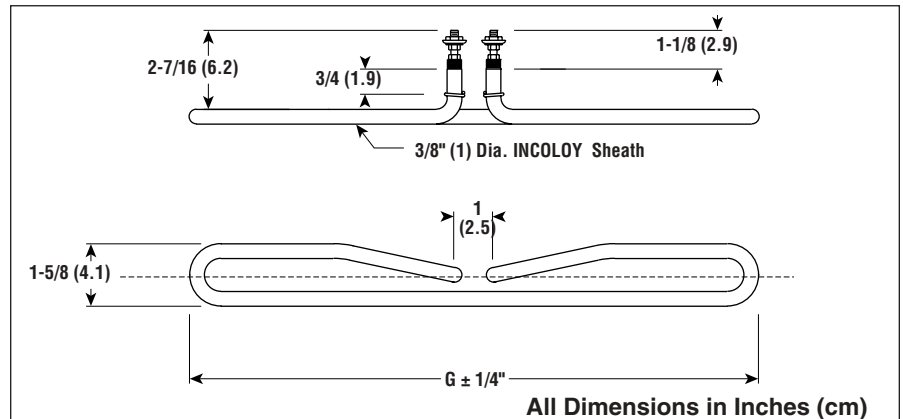
## FEATURES

Type 3 Terminals: Heliarc-welded to the cold pin. See terminal detail drawing in the Tubular Heater Overview section.

Retaining Rings locate elements in radiant heater assemblies.

Work Temperatures: See Tubular Heater Overview section.

## Dimensions



## To Order (Specify Model Number)

| Watts | Volts | W/in <sup>2</sup> | INCOLOY Sheath |             |       | Weight (Lb.) |
|-------|-------|-------------------|----------------|-------------|-------|--------------|
|       |       |                   | G-DIM In. (cm) | Model No.   | Price |              |
| 1600  | 120   | 40                | 18 5/16 (47)   | UTU-40/120  | \$123 | 1            |
| 1600  | 208   | 40                | 18 5/16 (47)   | UTU-40V/208 | 123   | 1            |
| 1600  | 240   | 40                | 18 5/16 (47)   | UTU-40/240  | 123   | 1            |
| 1600  | 275   | 40                | 18 5/16 (47)   | UTU-40V/275 | 123   | 1            |
| 1970  | 120   | 40                | 22 3/16 (56)   | UTU-48/120  | 140   | 1            |
| 1970  | 208   | 40                | 22 3/16 (56)   | UTU-48V/208 | 140   | 1            |
| 1970  | 240   | 40                | 22 3/16 (56)   | UTU-48/240  | 140   | 1            |
| 1970  | 275   | 40                | 22 3/16 (56)   | UTU-48V/275 | 140   | 1            |
| 2440  | 120   | 40                | 27 3/16 (69)   | UTU-58/120  | 172   | 2            |
| 2440  | 208   | 40                | 27 3/16 (69)   | UTU-58V/208 | 172   | 2            |
| 2440  | 240   | 40                | 27 3/16 (69)   | UTU-58/240  | 172   | 2            |
| 2440  | 275   | 40                | 27 3/16 (69)   | UTU-58V/275 | 172   | 2            |
| 2440  | 480   | 40                | 27 3/16 (69)   | UTU-58/480  | 172   | 2            |
| 2820  | 120   | 40                | 31 13/16 (81)  | UTU-66/120  | 194   | 2            |
| 2820  | 208   | 40                | 31 13/16 (81)  | UTU-66V/208 | 194   | 2            |
| 2820  | 240   | 40                | 31 13/16 (81)  | UTU-66/240  | 194   | 2            |
| 2820  | 275   | 40                | 31 13/16 (81)  | UTU-66V/275 | 194   | 2            |
| 2820  | 480   | 40                | 31 13/16 (81)  | UTU-66/480  | 194   | 2            |
| 3190  | 120   | 40                | 35 13/16 (91)  | UTU-74/120  | 225   | 2            |
| 3190  | 208   | 40                | 35 13/16 (91)  | UTU-74V/208 | 225   | 2            |
| 3190  | 240   | 40                | 35 13/16 (91)  | UTU-74/240  | 225   | 2            |
| 3190  | 275   | 40                | 35 13/16 (91)  | UTU-74V/275 | 225   | 2            |
| 3190  | 480   | 40                | 35 13/16 (91)  | UTU-74/480  | 225   | 2            |
| 3570  | 208   | 40                | 39 7/8 (101)   | UTU-82V/208 | 238   | 2            |
| 3570  | 240   | 40                | 39 7/8 (101)   | UTU-82/240  | 238   | 2            |
| 3570  | 275   | 40                | 39 7/8 (101)   | UTU-82V/275 | 238   | 2            |
| 3570  | 480   | 40                | 39 7/8 (101)   | UTU-82/480  | 238   | 2            |
| 3950  | 208   | 40                | 43 3/8 (111)   | UTU-90V/208 | 249   | 2            |
| 3950  | 240   | 40                | 43 3/8 (111)   | UTU-90/240  | 249   | 2            |
| 3950  | 275   | 40                | 43 3/8 (111)   | UTU-90V/275 | 249   | 2            |
| 3950  | 480   | 40                | 43 3/8 (111)   | UTU-90/480  | 249   | 2            |

Ordering Example: UTU-66/275 is a 2820 Watt, 275 Volt Heater, \$194.

# 3/8" (9.5 MM) DIAMETER HEART CROSS-SECTION (cont'd.)



## UTU Style



- ✓ INCOLOY Sheath
- ✓ 4520 - 7830 Watts
- ✓ 208, 240, 275 and 480 Volt
- ✓ 40 W/in<sup>2</sup>
- ✓ 1600°F (870°C) Maximum Sheath Temperature
- ✓ Component of Radiant Heater (Type DU-RAD)



## APPLICATIONS

- Radiant Heating in Room Ambient
- Heating High Velocity Air
- Low Temperature Clamp-ons

## ADVANTAGES

Specially constructed to provide excellent service life in radiant heating applications.

## FEATURES

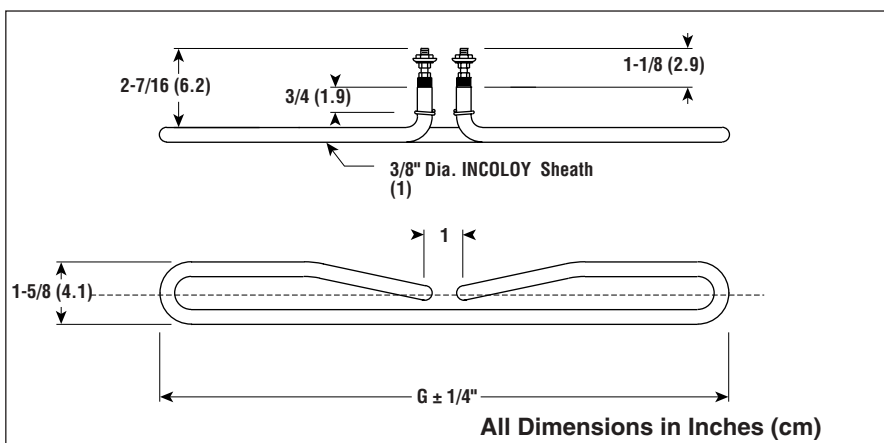
**Type 3 Terminals:** Heliarc-welded to the cold pin. See terminal detail drawing in the Tubular Heater Overview section.

Retaining Rings locate elements in radiant heater assemblies.

**Bending:** Lengthwise only. See bending requirements in the Tubular Heater Overview section.



## Dimensions



## To Order (Specify Model Number)

| Watts | Volts | W/in <sup>2</sup> | G-DIM<br>In. (cm)                      | INCOLOY Sheath |       | Weight<br>(Lb.) |
|-------|-------|-------------------|----------------------------------------|----------------|-------|-----------------|
|       |       |                   |                                        | Model No.      | Price |                 |
| 4520  | 208   | 40                | 49 <sup>5</sup> / <sub>16</sub> (127)  | UTU-102V/208   | \$275 | 2               |
| 4520  | 240   | 40                | 49 <sup>5</sup> / <sub>16</sub> (127)  | UTU-102/240    | 275   | 2               |
| 4520  | 275   | 40                | 49 <sup>5</sup> / <sub>16</sub> (127)  | UTU-102V/275   | 275   | 2               |
| 4520  | 480   | 40                | 49 <sup>5</sup> / <sub>16</sub> (127)  | UTU-102/480    | 275   | 2               |
| 4990  | 208   | 40                | 54 <sup>7</sup> / <sub>16</sub> (139)  | UTU-112V/208   | 299   | 3               |
| 4990  | 240   | 40                | 54 <sup>7</sup> / <sub>16</sub> (139)  | UTU-112/240    | 299   | 3               |
| 4990  | 275   | 40                | 54 <sup>7</sup> / <sub>16</sub> (139)  | UTU-112V/275   | 299   | 3               |
| 4990  | 480   | 40                | 54 <sup>7</sup> / <sub>16</sub> (139)  | UTU-112/480    | 299   | 3               |
| 5560  | 208   | 40                | 60 <sup>15</sup> / <sub>16</sub> (155) | UTU-124V/208   | 345   | 3               |
| 5560  | 240   | 40                | 60 <sup>15</sup> / <sub>16</sub> (155) | UTU-124/240    | 345   | 3               |
| 5560  | 275   | 40                | 60 <sup>15</sup> / <sub>16</sub> (155) | UTU-124V/275   | 345   | 3               |
| 5560  | 480   | 40                | 60 <sup>15</sup> / <sub>16</sub> (155) | UTU-124/480    | 345   | 3               |
| 6130  | 208   | 40                | 66 <sup>15</sup> / <sub>16</sub> (170) | UTU-136V/208   | 388   | 3               |
| 6130  | 240   | 40                | 66 <sup>15</sup> / <sub>16</sub> (170) | UTU-136/240    | 388   | 3               |
| 6130  | 275   | 40                | 66 <sup>15</sup> / <sub>16</sub> (170) | UTU-136V/275   | 388   | 3               |
| 6130  | 480   | 40                | 66 <sup>15</sup> / <sub>16</sub> (170) | UTU-136/480    | 388   | 3               |
| 6700  | 208   | 40                | 72 <sup>15</sup> / <sub>16</sub> (185) | UTU-148V/208   | 439   | 4               |
| 6700  | 240   | 40                | 72 <sup>15</sup> / <sub>16</sub> (185) | UTU-148/240    | 439   | 4               |
| 6700  | 275   | 40                | 72 <sup>15</sup> / <sub>16</sub> (185) | UTU-148V/275   | 439   | 4               |
| 6700  | 480   | 40                | 72 <sup>15</sup> / <sub>16</sub> (185) | UTU-148/480    | 439   | 4               |
| 7100  | 208   | 40                | 77 (196)                               | UTU-156V/208   | 469   | 4               |
| 7100  | 240   | 40                | 77 (196)                               | UTU-156/240    | 469   | 4               |
| 7100  | 275   | 40                | 77 (196)                               | UTU-156V/275   | 469   | 4               |
| 7100  | 480   | 40                | 77 (196)                               | UTU-156/480    | 469   | 4               |
| 7450  | 240   | 40                | 81 (206)                               | UTU-164/240    | 490   | 4               |
| 7450  | 275   | 40                | 81 (206)                               | UTU-164V/275   | 490   | 4               |
| 7450  | 480   | 40                | 81 (206)                               | UTU-164/480    | 490   | 4               |
| 7830  | 208   | 40                | 85 <sup>5</sup> / <sub>16</sub> (216)  | UTU-172V/208   | 525   | 5               |
| 7830  | 240   | 40                | 85 <sup>5</sup> / <sub>16</sub> (216)  | UTU-172/240    | 525   | 5               |
| 7830  | 275   | 40                | 85 <sup>5</sup> / <sub>16</sub> (216)  | UTU-172V/275   | 525   | 5               |
| 7830  | 480   | 40                | 85 <sup>5</sup> / <sub>16</sub> (216)  | UTU-172/480    | 525   | 5               |

Ordering Example: UTU-136/240 is a 6130 Watt, 240 Volt Heater, \$388.



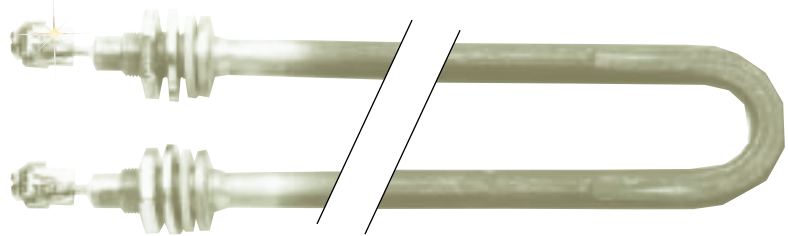
# $\frac{3}{8}$ " (9.5 mm) DIAMETER HEART CROSS-SECTION



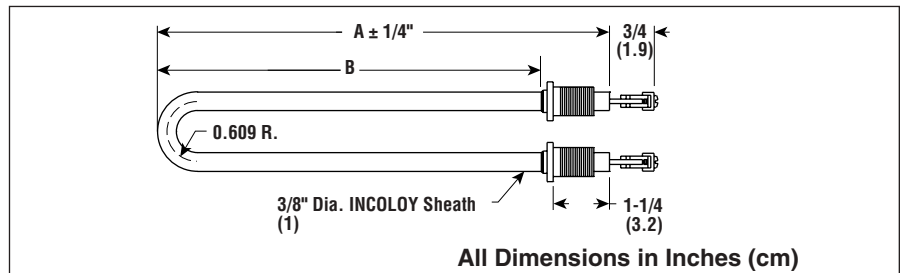
UTU-LT



- ✓ INCOLOY Sheath
- ✓ 120, 208, 240, 275 and 480 Volt
- ✓ 40 W/In<sup>2</sup>
- ✓  $2\frac{1}{8}$ " Cold Ends
- ✓ 600°F (315°C) Maximum Sheath Temperature
- ✓ Component of Radiant Heater (Type U-RAD-LT)



## Dimensions



## APPLICATIONS

Threaded liquid-tight fittings permit mounting for high-velocity air or immersion heating of liquids which are not corrosive to INCOLOY. When used for immersion heating, heated section of element must be immersed at all times.

## ADVANTAGES

Specially constructed to provide excellent service life in radiant heating applications.

## FEATURES

**Type 8 Terminals:** Standard with threaded clip to facilitate wiring.

**Liquid-Tight Fittings:** Standard for installation ease.

**Work Temperatures:** See Tubular Heater Overview section.

**Bending:** Lengthwise only. See Tubular Heater Overview section.

## To Order (Specify Model Number)

| Watts | Volts | W/In <sup>2</sup> | Dimensions (In.)        |                        | INCOLOY Sheath |       | Weight (Lb.) |
|-------|-------|-------------------|-------------------------|------------------------|----------------|-------|--------------|
|       |       |                   | Sheath A                | Heated B               | Model No.      | Price |              |
| 800   | 120   | 40                | 10 $\frac{1}{2}$ (27)   | 8 $\frac{3}{8}$ (21)   | UTU-2LT/120    | \$127 | 1            |
| 800   | 208   | 40                | 10 $\frac{1}{2}$ (27)   | 8 $\frac{3}{8}$ (21)   | UTU-2LTV/208   | 127   | 1            |
| 800   | 240   | 40                | 10 $\frac{1}{2}$ (27)   | 8 $\frac{3}{8}$ (21)   | UTU-2LT/240    | 127   | 1            |
| 800   | 275   | 40                | 10 $\frac{1}{2}$ (27)   | 8 $\frac{3}{8}$ (21)   | UTU-2LTV/275   | 127   | 1            |
| 1100  | 120   | 40                | 13 $\frac{3}{16}$ (34)  | 11 $\frac{1}{16}$ (29) | UTU-3LT/120    | 133   | 1.3          |
| 1100  | 208   | 40                | 13 $\frac{3}{16}$ (34)  | 11 $\frac{1}{16}$ (29) | UTU-3LTV/208   | 133   | 1.3          |
| 1100  | 240   | 40                | 13 $\frac{3}{16}$ (34)  | 11 $\frac{1}{16}$ (29) | UTU-3LT/240    | 133   | 1.3          |
| 1100  | 275   | 40                | 13 $\frac{3}{16}$ (34)  | 11 $\frac{1}{16}$ (29) | UTU-3LTV/275   | 133   | 1.3          |
| 1800  | 208   | 40                | 21 $\frac{1}{16}$ (54)  | 19 $\frac{3}{16}$ (49) | UTU-4LTV/208   | 153   | 1.5          |
| 1800  | 240   | 40                | 21 $\frac{1}{16}$ (54)  | 19 $\frac{3}{16}$ (49) | UTU-4LT/240    | 153   | 1.5          |
| 1800  | 275   | 40                | 21 $\frac{1}{16}$ (54)  | 19 $\frac{3}{16}$ (49) | UTU-4LTV/275   | 153   | 1.5          |
| 1800  | 480   | 40                | 21 $\frac{1}{16}$ (54)  | 19 $\frac{3}{16}$ (49) | UTU-4LT/480    | 153   | 1.5          |
| 2500  | 208   | 40                | 28 $\frac{1}{16}$ (73)  | 26 $\frac{3}{16}$ (49) | UTU-5LTV/208   | 197   | 1.8          |
| 2500  | 240   | 40                | 28 $\frac{1}{16}$ (73)  | 26 $\frac{3}{16}$ (67) | UTU-5LT/240    | 197   | 1.8          |
| 2500  | 275   | 40                | 28 $\frac{1}{16}$ (73)  | 26 $\frac{3}{16}$ (67) | UTU-5LTV/275   | 197   | 1.8          |
| 2500  | 480   | 40                | 28 $\frac{1}{16}$ (73)  | 26 $\frac{3}{16}$ (67) | UTU-5LT/480    | 197   | 1.8          |
| 3000  | 208   | 40                | 34 $\frac{3}{16}$ (88)  | 32 $\frac{1}{16}$ (82) | UTU-6LTV/208   | 237   | 2            |
| 3000  | 240   | 40                | 34 $\frac{3}{16}$ (88)  | 32 $\frac{1}{16}$ (82) | UTU-6LT/240    | 237   | 2            |
| 3000  | 275   | 40                | 34 $\frac{3}{16}$ (88)  | 32 $\frac{1}{16}$ (82) | UTU-6LTV/275   | 237   | 2            |
| 3000  | 480   | 40                | 34 $\frac{3}{16}$ (88)  | 32 $\frac{1}{16}$ (82) | UTU-6LT/480    | 237   | 2            |
| 3600  | 208   | 40                | 40 $\frac{9}{16}$ (103) | 38 $\frac{3}{16}$ (98) | UTU-7LTV/208   | 259   | 2.3          |
| 3600  | 240   | 40                | 40 $\frac{9}{16}$ (103) | 38 $\frac{3}{16}$ (98) | UTU-7LT/240    | 259   | 2.3          |
| 3600  | 275   | 40                | 40 $\frac{9}{16}$ (103) | 38 $\frac{3}{16}$ (98) | UTU-7LTV/275   | 259   | 2.3          |
| 3,600 | 480   | 40                | 40 $\frac{9}{16}$ (103) | 38 $\frac{3}{16}$ (98) | UTU-7LT/480    | 259   | 2.3          |

Ordering Example: UTU-4LTV/208 is a 1800 Watt, 208 Volt Heater, \$153.

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