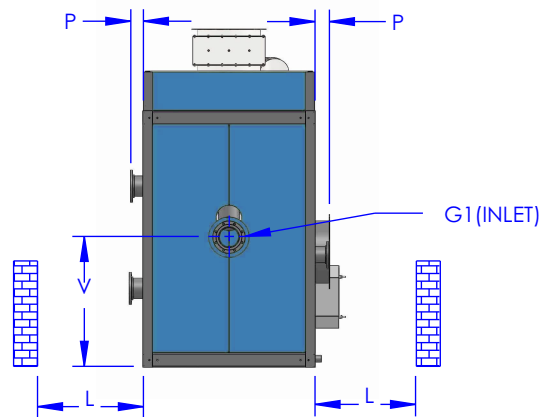
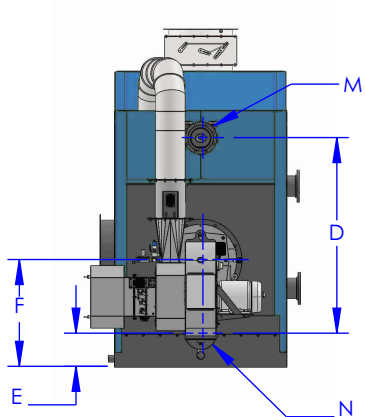
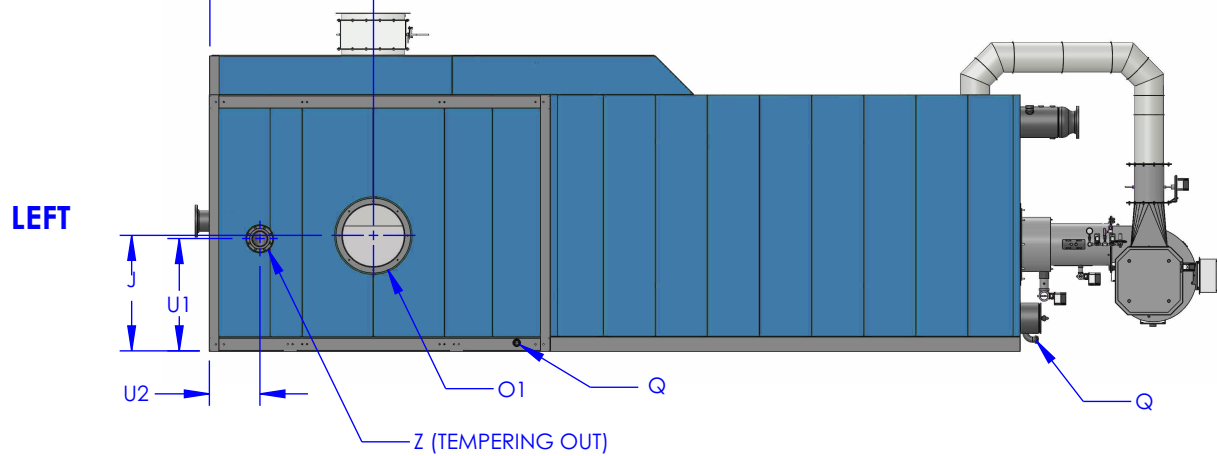
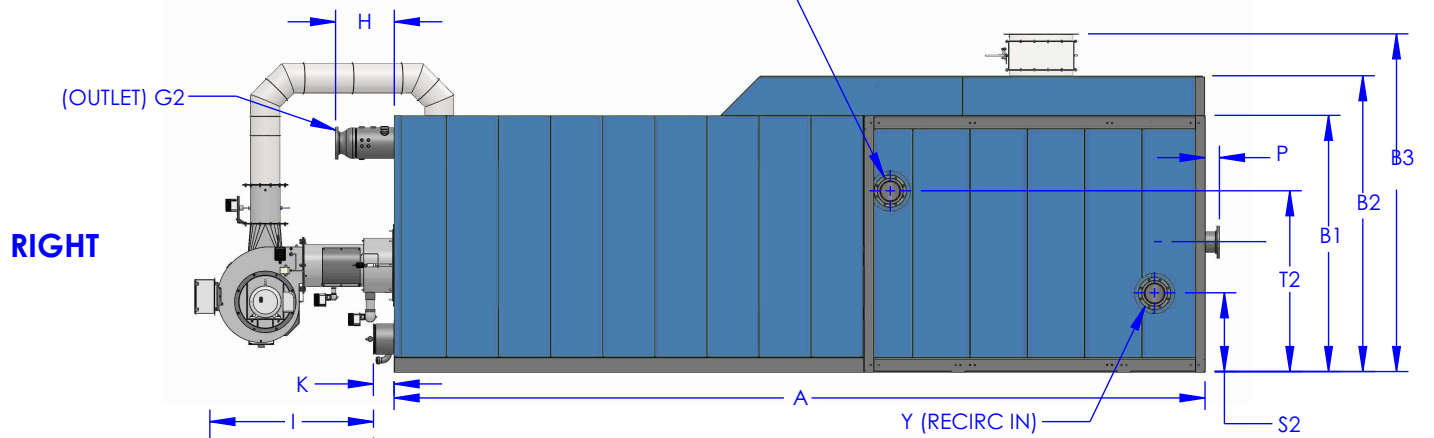
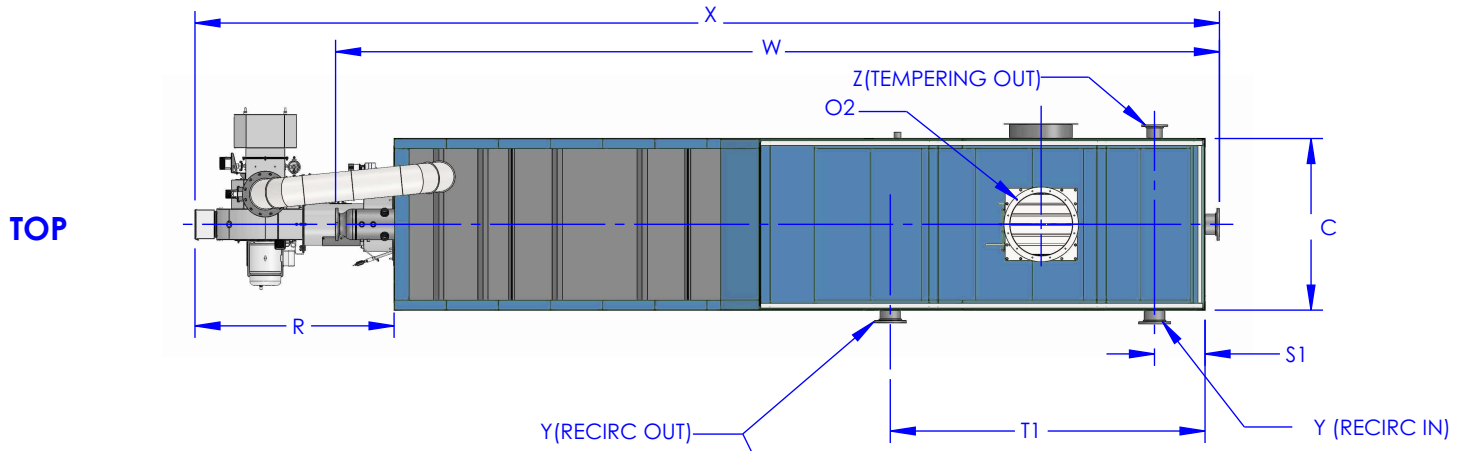


# ICT

BY UNILUX

Industrial Condensing Technology





**FRONT**

**REAR**

|    | BOILER MODEL - ICT                             | 1200     | 1400     | 1600     | 1800      | 2000     |
|----|--|----------|----------|----------|-----------|----------|
| A  | BOILER BASE LENGTH                             | 317 7/8  | 332 7/8  | 344 7/8  | 352 7/8   | 341 7/8  |
| B1 | BOILER HEIGHT                                  | 99       | 99       | 101      | 106 1/2   | 106 1/2  |
| B2 | BOILER HEIGHT TO TRANSITION                    | 115 3/8  | 115 3/8  | 119 3/8  | 124 7/8   | 122 7/8  |
| B3 | BOILER OVERALL HEIGHT TO BYPASS DAMPER         | 131 3/16 | 132 3/16 | 134      | 140 11/16 | 140 3/4  |
| C  | BOILER BASE WIDTH                              | 55 1/2   | 55 1/2   | 59 1/2   | 65 1/2    | 71 1/2   |
| D  | BOILER DRUMS CENTER-TO-CENTER                  | 74       | 74       | 76       | 81 1/2    | 81 1/2   |
| E  | CENTER OF LOWER DRUM TO BOTTOM                 | 14       | 14       | 14       | 14        | 14       |
| F  | CENTER OF BURNER OPENING TO BOTTOM             | 41       | 41       | 41       | 44 1/2    | 44 1/2   |
| G1 | BOILER INLET FLANGE, CLASS 150                 | 6        | 8        | 8        | 8         | 8        |
| G2 | BOILER OUTLET FLANGE, CLASS 150                | 6        | 8        | 8        | 8         | 8        |
| H  | NOZZLE CLEARANCE FROM TOP FRONT                | 20 1/4   | 23 1/8   | 23 1/8   | 23 1/8    | 23 1/8   |
| I  | CENTER COND. FLUE/ BYPASS FLUE OUTLETS TO REAR | 79 7/8   | 79 7/8   | 84 5/16  | 87 7/8    | 72 3/8   |
| J  | CENTER COND. FLUE OUTLET TO BOTTOM             | 38 1/8   | 38 1/8   | 46 1/8   | 51 5/8    | 48 1/8   |
| K  | DRUM CLEARANCE FROM BASE                       | 8 5/8    | 8 5/8    | 8 5/8    | 8 5/8     | 8 5/8    |
| L  | TUBE PULL CLEARANCE - BOTH SIDES               | 38       | 38       | 42       | 48        | 54       |
| M  | UPPER DRUM O.D., NPS                           | 12 3/4   | 12 3/4   | 12 3/4   | 12 3/4    | 12 3/4   |
| N  | LOWER DRUM O.D., NPS                           | 12 3/4   | 12 3/4   | 12 3/4   | 12 3/4    | 12 3/4   |
| O1 | FLUE GAS OUTLET, I.D.                          | 24       | 24       | 26       | 26        | 26       |
| O2 | BYPASS FLUE GAS OUTLET, I.D.                   | 22       | 24       | 24       | 26        | 26       |
| P  | RECIRC / TEMPERING FLANGE CLEARANCE FROM SIDE  | 6        | 6        | 6        | 6         | 6        |
| Q  | DRAIN CONNECTION (2) - NPT                     | 2        | 2        | 2        | 2         | 2        |
| R  | BURNER DIMENSION (EST)                         | 58 3/8   | 58 3/8   | 66 7/8   | 66 7/8    | 69 5/8   |
| S1 | RECIRC INLET TO REAR                           | 26 3/4   | 26 3/4   | 26 11/16 | 25 3/4    | 25 1/16  |
| S2 | RECIRC INLET TO BOTTOM                         | 28 3/8   | 32 13/16 | 32 13/16 | 32 13/16  | 32 7/8   |
| T1 | RECIRC OUTLET TO REAR                          | 149 1/4  | 149 1/4  | 149 1/8  | 156 1/8   | 136 1/16 |
| T2 | RECIRC OUTLET TO BOTTOM                        | 71 13/16 | 71 13/16 | 71 13/16 | 75 5/16   | 77 5/16  |
| U1 | TEMPERING OUTLET TO BOTTOM                     | 39 11/16 | 46 13/16 | 46 13/16 | 46 13/16  | 46 7/8   |
| U2 | TEMPERING OUTLET TO REAR                       | 26 3/4   | 26 3/4   | 26 11/16 | 25 3/4    | 25 1/16  |
| V  | BOILER INLET TO BOTTOM                         | 46       | 45       | 51 1/8   | 56 9/16   | 54 1/8   |
| W  | OVERALL BOILER LENGTH                          | 344 1/8  | 362      | 374      | 382       | 371      |
| X  | OVERALL BOILER LENGTH WITH BURNER              | 382 5/16 | 397 1/4  | 417 3/4  | 425 3/4   | 417 1/2  |
| Y  | RECIRC INLET/ OUTLET FLANGE, CLASS 150         | 6        | 6        | 6        | 8         | 8        |
| Z  | TEMPERING OUTLET FLANGE, CLASS 150             | 4        | 6        | 6        | 6         | 6        |

|    | BOILER MODEL - ICT                             | 2500      | 2900      | 3000      | 3500      |
|----|--|-----------|-----------|-----------|-----------|
| A  | BOILER BASE LENGTH                             | 378 3/8   | 416 1/16  | 434 1/2   | 470 1/2   |
| B1 | BOILER HEIGHT                                  | 129 7/16  | 135 3/8   | 147 1/2   | 157 1/2   |
| B2 | BOILER HEIGHT TO TRANSITION                    | 149 11/16 | 155 1/2   | 167 5/8   | 177 5/8   |
| B3 | BOILER OVERALL HEIGHT TO BYPASS DAMPER         | 163 1/2   | 170 3/8   | 182 3/4   | 192 1/2   |
| C  | BOILER BASE WIDTH                              | 84        | 84        | 102       | 102       |
| D  | BOILER DRUMS CENTER-TO-CENTER                  | 98        | 104       | 115       | 125       |
| E  | CENTER OF LOWER DRUM TO BOTTOM                 | 15 1/2    | 15 1/2    | 15 3/8    | 17 1/2    |
| F  | CENTER OF BURNER OPENING TO BOTTOM             | 52        | 54 1/4    | 59        | 61        |
| G1 | BOILER INLET FLANGE, CLASS 150                 | 10        | 10        | 10        | 12        |
| G2 | BOILER OUTLET FLANGE, CLASS 150                | 10        | 10        | 10        | 12        |
| H  | NOZZLE CLEARANCE FROM TOP FRONT                | 30 7/8    | 30 7/8    | 41 7/16   | 42 3/16   |
| I  | CENTER COND. FLUE/ BYPASS FLUE OUTLETS TO REAR | 95 5/8    | 106 7/8   | 106 7/8   | 115 3/8   |
| J  | CENTER COND. FLUE OUTLET TO BOTTOM             | 71 3/16   | 76 13/16  | 89 3/16   | 95 1/4    |
| K  | DRUM CLEARANCE FROM BASE                       | 11 5/16   | 11 5/8    | 28 1/8    | 29 1/8    |
| L  | TUBE PULL CLEARANCE - BOTH SIDES               | 70        | 70        | 76        | 76        |
| M  | UPPER DRUM O.D., NPS                           | 16        | 16        | 16        | 16        |
| N  | LOWER DRUM O.D., NPS                           | 16        | 16        | 16        | 16        |
| O1 | FLUE GAS OUTLET, I.D.                          | 26        | 26        | 26        | 26        |
| O2 | BYPASS FLUE GAS OUTLET, I.D.                   | 28        | 30        | 30        | 32        |
| P  | RECIRC / TEMPERING FLANGE CLEARANCE FROM SIDE  | 6         | 6         | 6         | 6         |
| Q  | DRAIN CONNECTION (2) - NPT                     | 2         | 2         | 2         | 2         |
| R  | BURNER DIMENSION (EST)                         | 69 5/8    | 69 5/8    | 78 1/4    | 78 1/4    |
| S1 | RECIRC INLET TO REAR                           | 29 7/8    | 29 1/8    | 29 1/8    | 34        |
| S2 | RECIRC INLET TO BOTTOM                         | 39 1/8    | 38 7/8    | 38 7/8    | 45 1/2    |
| T1 | RECIRC OUTLET TO REAR                          | 159 5/16  | 183 13/16 | 187 5/8   | 196 1/2   |
| T2 | RECIRC OUTLET TO BOTTOM                        | 89 5/8    | 95 7/16   | 106 3/8   | 118 1/2   |
| U1 | TEMPERING OUTLET TO BOTTOM                     | 56 1/8    | 55 7/8    | 55 7/8    | 65 1/2    |
| U2 | TEMPERING OUTLET TO REAR                       | 29 7/8    | 29 1/8    | 29 1/8    | 34        |
| V  | BOILER INLET TO BOTTOM                         | 75 1/8    | 80 3/4    | 93 1/8    | 99 1/2    |
| W  | OVERALL BOILER LENGTH                          | 415 1/4   | 452 15/16 | 481 15/16 | 518 11/16 |
| X  | OVERALL BOILER LENGTH WITH BURNER              | 454       | 491 11/16 | 518 3/4   | 554 3/4   |
| Y  | RECIRC INLET/ OUTLET FLANGE, CLASS 150         | 10        | 10        | 10        | 10        |
| Z  | TEMPERING OUTLET FLANGE, CLASS 150             | 8         | 8         | 8         | 10        |



**Industrial Condensing Technologies**

**ICT CONDENSING HOT WATER BOILER CAPACITY RATINGS**

| <b>BOILER MODEL NO.</b> | <b>HIGH FIRE INPUT</b> | <b>HIGH FIRE OUTPUT NATURAL GAS FIRED</b> | <b>APPROX. BHP NATURAL GAS</b> | <b>HIGH FIRE OUTPUT NO. 2 OIL FIRED</b> | <b>APPROX. BHP NO. 2 OIL</b> |
|-------------------------|------------------------|---|--------------------------------|---|------------------------------|
| ICT 1200W               | 12 000 MBH             | 11 220 MBH                                | 335 BHP                        | 10 560 MBH                              | 315 BHP                      |
| ICT 1400W               | 14 000 MBH             | 13 090 MBH                                | 391 BHP                        | 12 320 MBH                              | 368 BHP                      |
| ICT 1600W               | 16 000 MBH             | 14 960 MBH                                | 447 BHP                        | 14 080 MBH                              | 420 BHP                      |
| ICT 1800W               | 18 000 MBH             | 16 830 MBH                                | 503 BHP                        | 15 840 MBH                              | 473 BHP                      |
| ICT 2000W               | 20 000 MBH             | 18 700 MBH                                | 559 BHP                        | 17 600 MBH                              | 525 BHP                      |
| ICT 2500W               | 25 000 MBH             | 23 375 MBH                                | 698 BHP                        | 22 000 MBH                              | 657 BHP                      |
| ICT 2900W               | 29 000 MBH             | 27 115 MBH                                | 810 BHP                        | 25 520 MBH                              | 762 BHP                      |
| ICT 3000W               | 34 000 MBH             | 31 790 MBH                                | 950 BHP                        | 29 920 MBH                              | 894 BHP                      |
| ICT 3500W               | 38 000 MBH             | 35 530 MBH                                | 1 061 BHP                      | 33 440 MBH                              | 1 000 BHP                    |

**NOTES:**

**1. ABOVE CAPACITY RATINGS ARE BASED UPON THE FOLLOWING DESIGN CONDITIONS:**

- a) Supply Water Temperature = 140°F
- b) Return Water Temperature = 110°F
- c) Oil Firing is non-condensing

