

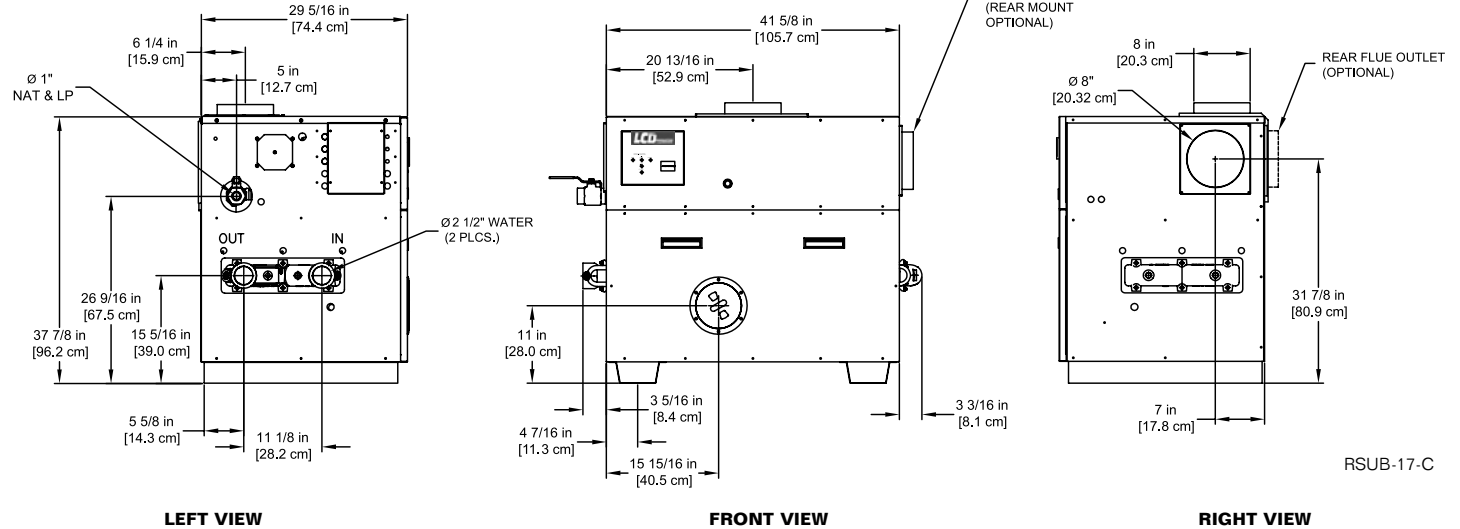
**CODE OPTIONS**

|                                     |  |
|-------------------------------------|--|
| <b>CSD-1</b>                        | UTC Lockout/Reset Control<br>Manual Reset LWCO     |
| <b>Kentucky</b><br>(Water Htr Only) | 200° F Maximum Operating Control<br>and High Limit |

**NOTE:** Dimensions are approximate and should not be used to "rough-in" equipment.

\* Add circulator amps.

\*\*For incoming gas pressures lower than 6" W.C. natural or 11" W.C. propane, consult factory.



RSUB-17-C

**A.G.A. CERTIFIED RATINGS & CAPACITIES**

|                                |                            |                                   |                    |
|--------------------------------|----------------------------|-----------------------------------|--------------------|
| <b>Fuel Type</b>               | Natural/Propane Gas        | <b>Boiler FLA</b>                 | 7.18*              |
| <b>Input BTU/hr.</b>           | 750,000 / 220 kW           | <b>Min. Gas Pressure Required</b> | 6" W.C.**          |
| <b>Output BTU/hr.</b>          | 615,000 / 180 kW           | <b>Max. Gas Pressure Allowed</b>  | 14" W.C.           |
| <b>Electrical Requirements</b> | 120VAC/ 1 ph/ 60 hz/ 8 amp | <b>Operating Weight</b>           | 550 lbs. / 250 kg. |

**TEMPERATURE RISE / PRESSURE DROP**

| 20° F / 11.1° C |               | 25° F / 13.9° C |               | 30° F / 16.7° C |               | 35° F / 19.4° C |               |      |     |      |     |      |     |      |     |
|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|------|-----|------|-----|------|-----|------|-----|
| Flow Rate       | Pressure Drop | Flow Rate       | Pressure Drop | Flow Rate       | Pressure Drop | Flow Rate       | Pressure Drop |      |     |      |     |      |     |      |     |
| GPM             | L/s           | Ft              | kPa           | GPM             | L/s           | Ft              | kPa           | GPM  | L/s | Ft   | kPa | GPM  | L/s | Ft   | kPa |
| 61.5            | 3.9           | 1.95            | 5.7           | 49.2            | 3.1           | 1.29            | 3.8           | 41.0 | 2.6 | 0.92 | 2.7 | 35.1 | 2.2 | 0.69 | 2.0 |

**BOILER TRIM & CONTROLS**

|                                  |                        |                          |                           |
|----------------------------------|------------------------|--------------------------|---------------------------|
| <b>Main Gas Valve</b>            | Honeywell V8944B 1"    | <b>Pilot Valve</b>       | Honeywell VR8205Q         |
| <b>Firing Valve</b>              | Honeywell B200T1033 1" | <b>Air Switch</b>        | Cleveland RSS-495         |
| <b>Safety Valve</b>              | Honeywell V48A 1"      | <b>Blower Motor</b>      | 1/4 hp - FLA 5.1          |
| <b>Ignition Control</b>          | UTC 1003-61A           | <b>Relief Valve - LW</b> | 3/4" x 3/4" set @ 125 psi |
| <b>Operating Control (LB/LW)</b> | Jumo                   | <b>Relief Valve - LB</b> | 3/4" x 3/4" set @ 50 psi  |
| <b>High Limit (LB/LW)</b>        | Jumo                   | <b>Flow Switch</b>       | ITT FS4-3                 |

**RECOVERY CAPACITY**

| 40°F | 22° C | 60°F | 33° C | 80°F | 44° C | 100°F | 56° C | 120°F | 67° C | 140°F | 78° C |
|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 1846 | 6987  | 1230 | 4658  | 923  | 3493  | 738   | 2795  | 615   | 2329  | 527   | 1996  |

**A.S.M.E.**

|                                 |                            |                    |                        |
|---------------------------------|----------------------------|--------------------|------------------------|
| <b>ASME Sect IV Htg Surface</b> | 61.7 Sq. Ft. / 5.73 Sq. M. | <b>Design Data</b> | Max. 160 psig & 250° F |
|---------------------------------|----------------------------|--------------------|------------------------|

**REP FIRM** \_\_\_\_\_  
**SUBMITTED BY** \_\_\_\_\_  
**JOB NAME** \_\_\_\_\_  
**ARCHITECT** \_\_\_\_\_  
**ENGINEER** \_\_\_\_\_  
**CONTRACTOR** \_\_\_\_\_  
**DATE** \_\_\_\_\_

**LCD 750**

**Category I or Category III Appliance**  
(See Installation and Operation Manual for venting information)



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