



RSUB-7-A

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

|                                |                       |                                   |                    |
|--------------------------------|-----------------------|-----------------------------------|--------------------|
| <b>Fuel Type</b>               | Natural/Propane Gas   | <b>Boiler FLA</b>                 | 1*                 |
| <b>Input BTU/hr.</b>           | 399,000 / 117 kW      | <b>Min. Gas Pressure Required</b> | 5" W.C.**          |
| <b>Output BTU/hr.</b>          | 331,170 / 97 kW       | <b>Max. Gas Pressure Allowed</b>  | 14" W.C.           |
| <b>Electrical Requirements</b> | 120VAC / 1 ph / 60 hz | <b>Operating Weight</b>           | 272 lbs. / 123 kg. |

**TEMPERATURE RISE / PRESSURE DROP**

| 10° F / 5.5° C |     |               |     | 20° F / 11.1° C |     |               |      | 30° F / 16.7° C |     |               |     |
|----------------|-----|---------------|-----|-----------------|-----|---------------|------|-----------------|-----|---------------|-----|
| 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 |
| 66.4           | 4.2 | 1.77          | 5.2 | 33.2            | 2.1 | 0.49          | 1.4  | 22.1            | 1.4 | 0.20          | 0.7 |
| -              | -   | -             | -   | 33.2            | 2.1 | 3.54          | 10.4 | 22.1            | 1.4 | 1.70          | 4.9 |

**2 Pass**

**4 Pass**

**BOILER TRIM & CONTROLS**

|                                  |                                |                          |                           |
|----------------------------------|--------------------------------|--------------------------|---------------------------|
| <b>Gas Valve - CON</b>           | Honeywell VR8300A 3/4"         | <b>Ignition Control</b>  | Honeywell S8610M          |
| <b>Gas Valve - INT</b>           | Honeywell VR8304M 3/4"         | <b>Relief Valve - SW</b> | 3/4" x 3/4" set @ 125 psi |
| <b>Gas Valve</b>                 | Honeywell VR8304Q 3/4"- 2 Stg. | <b>Relief Valve - SB</b> | 3/4" x 3/4" set @ 30 psi  |
| <b>Operating Control (SB)</b>    | Jumo - Std Pilot/On/Off        | <b>High Limit (SB)</b>   | Honeywell L4008E          |
| <b>Operating Control (SW)</b>    | Jumo - Std Pilot/On/Off        | <b>High Limit (SW)</b>   | Honeywell L4008E          |
| <b>Operating Control (SB/SW)</b> | Honeywell L6008G - 2 Stage     |                          |                           |

**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 |
|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 994  | 3762  | 663  | 2508  | 497  | 1881  | 398   | 1505  | 331   | 1254  | 284   | 1075  |

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

|                                 |                            |                    |                        |
|---------------------------------|----------------------------|--------------------|------------------------|
| <b>ASME Sect IV Htg Surface</b> | 54.3 Sq. Ft. / 5.04 Sq. M. | <b>Design Data</b> | Max. 160 psig & 250° F |
|---------------------------------|----------------------------|--------------------|------------------------|

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

\* Add circulator amps.

\*\*For incoming gas pressures lower than 5" W.C. natural or 12" W.C. propane, consult factory.

**REP FIRM** \_\_\_\_\_

**SUBMITTED BY** \_\_\_\_\_

**JOB NAME** \_\_\_\_\_

**ARCHITECT** \_\_\_\_\_

**ENGINEER** \_\_\_\_\_

**CONTRACTOR** \_\_\_\_\_

**DATE** \_\_\_\_\_

**SPECTRUM 400**

**Category I Appliance**

Must be vented into a negative pressure vent system.



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