



The new degree of comfort.®

## Commercial vertical storage tanks designed for applications that require large quantities of potable hot water in short periods of time

### Features & Benefits

When used in tandem with Rheem commercial water heating equipment, these storage tanks provide the flexibility needed for many commercial applications. Installed individually, or manifolded, these storage tanks can provide 80% draw capability without an appreciable temperature decrease in single temperature applications.

### Long Life Tank Design

Unique steel formulation with high temperature porcelain enamel maximizes corrosion resistance and results in a superior tank design. Heavy duty magnesium anode rod(s) are installed for longer tank life.\*

### Efficient Design

Rigid 2" polyurethane foam insulation provides superior insulating qualities and results in reduced operating costs. Our patented process of Injection foam into the insulating cavity adds additional durability and toughness to the baked enamel steel outer jacket.

### Tank Openings

Circulating line connections and hot outlet are 2" NPT on the ST80 and ST120 and 2-1/2" NPT on the ST175. Other openings are provided for relief valve and temperature control. ST175 equipped with a hand-hole cleanout.

### ASME

All commercial storage tank models are certified to ASME boiler and pressure vessel code standards.

### Warranty

5-Year limited tank warranty against tank leaks.

See Commercial Warranty Certificate for complete information

**Efficiency** | These models meet or exceed thermal efficiency and standby loss requirements of current ASHRAE standards (Part of the Federally mandated Energy Policy Act (EPAct)).

**Optional Construction** | ASME construction is available on all storage tank models. Model numbers are ST80A, ST120A and ST175A

**T&P valve** | Must be ordered separately based on water heater BTU/h input.

\*Anodes are replaceable.



**Rheem  
Commercial  
Storage Tanks**  
80, 115 and 175-Gallon  
Capacities



ASME

### Recommended Specifications

Storage tank(s) shall be Rheem model \_\_\_\_\_. Storage tank(s) shall have a storage capacity of \_\_\_\_\_ gallons. Tank(s) interior shall be coated with a high temperature porcelain enamel and furnished with two magnesium anode rod(s) rigidly supported. Storage tank(s) shall be constructed in accordance

with the requirements of the ASME Boiler and Pressure Vessel Code, stamped and registered with the National Board of Boiler and Pressure Vessel Inspectors. Tank(s) shall have a working pressure rating of \_\_\_\_\_ psi. Tank(s) shall be insulated with a minimum of 2" of rigid polyurethane foam insulation.



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Commercial  
Storage Tanks

## DIMENSIONAL INFORMATION (All dimensions shown in English and Metric)

| MODEL NUMBER | UNITS  | A       | B       | C       | D      | WATER CONNECTIONS |            | APPROXIMATE SHIPPING WEIGHT |          |
|--------------|--------|---------|---------|---------|--------|-------------------|------------|-----------------------------|----------|
|              |        |         |         |         |        | TOP OUTLET        | FRONT SIDE | STD.                        | ASME     |
| ST80(A)      | inches | 58-5/16 | 24-7/16 | 13-3/16 | 6-3/16 | 2                 | 2          | 220 lbs.                    | 260 lbs. |
|              | mm     | 1481    | 621     | 335     | 157    | 51                | 51         | 100 kgs.                    | 118 kgs. |
| ST120(A)     | inches | 59-1/4  | 28-1/4  | 11-1/16 | 4-1/16 | 2                 | 2          | 300 lbs.                    | 340 lbs. |
|              | mm     | 1505    | 718     | 281     | 103    | 51                | 51         | 136 kgs.                    | 154 kgs. |
| ST175(A)     | inches | 67-1/4  | 32-1/4  | 12-9/16 | 5-9/16 | 2-1/2             | 2-1/2      | 600 lbs.                    | 600 lbs. |
|              | mm     | 1708    | 819     | 319     | 141    | 64                | 64         | 272 kgs.                    | 272 kgs. |

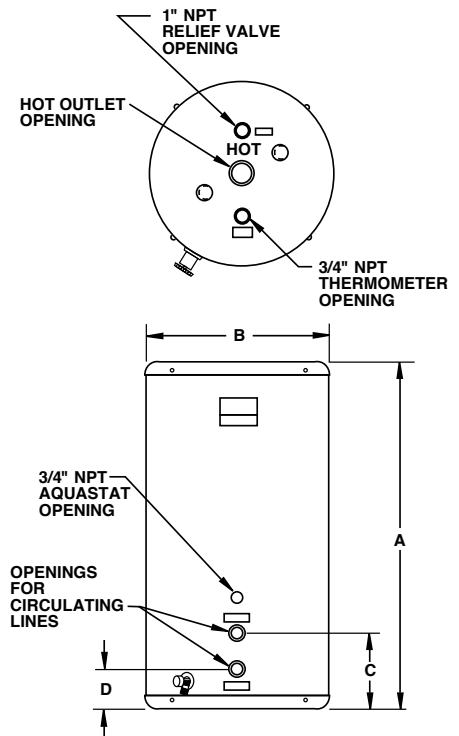
NOTE: 1" NPT drain opening on ST175(A). Handhole cleanout on ST175(A) only.

## APPROXIMATE WIDTH REQUIRED FOR MANIFOLDED STORAGE TANKS (Shown in English and Metric)

| MANIFOLD TYPE | UNITS  | ST80(A) | ST120(A) | ST175(A) |
|---------------|--------|---------|----------|----------|
| Duplex        | inches | 54      | 58       | 66       |
|               | mm     | 1372    | 1473     | 1676     |
| Triplex       | inches | 82      | 87       | 102      |
|               | mm     | 2083    | 2210     | 2591     |
| Quadruplex    | inches | 108     | 116      | 137      |
|               | mm     | 2743    | 2946     | 3480     |

## TANK INFORMATION (Shown in English and Metric)

| MODEL NUMBER | TANK CAPACITY |        | MAXIMUM WORKING PRESSURE |          |
|--------------|---------------|--------|--------------------------|----------|
|              | GALLONS       | LITERS | STD.                     | ASME     |
| ST80(A)      | 80            | 303    | 150 PSI                  | 125 PSI  |
|              |               |        | 1034 kPa                 | 862 kPa  |
| ST120(A)     | 115           | 435    | 150 PSI                  | 160 PSI  |
|              |               |        | 1034 kPa                 | 1103 kPa |
| ST175(A)     | 175           | 662    | 150 PSI                  | 150 PSI  |
|              |               |        | 1034 kPa                 | 1034 kPa |



In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

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INTEGRATED AIR & WATER