

# Commercial Storage Tanks



ASME Models  
Available



## Available in 80, 115 and 175 Gallon (303, 435 & 622 Litre) Models

Rheem-Ruud commercial storage tanks are vertical tanks designed for applications that require large quantities of hot water in short periods of time. When used in tandem with Rheem-Ruud commercial water heating equipment, these storage tanks provide the flexibility needed for many Commercial applications. Installed individually, or in parallel manifold, these storage tanks can provide 80% draw capability without an appreciable temperature decrease in single temperature applications.

## Construction Features:

- **Long life tank design** – proprietary steel formulation with two coats of high temperature porcelain enamel to maximize corrosion resistance resulting in a superior tank design. Two heavy duty magnesium anode rods are installed for longer tank life.
- **Efficient design** – 2" of rigid polyurethane foam insulation provides superior insulating qualities resulting in reduced operating costs. Our patented process of injecting foam into the insulating cavity adds additional durability and toughness to the baked enamel steel outer jacket.
- **Space saving design** – unlike other storage tanks, the ST80 and ST120 can pass through a 30" opening and the ST175 only requires a 33" opening – ideal for boiler room doors.
- **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.**

## Certifications and Ratings:

- **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 input.

Commercial Storage Tanks continued.

**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
	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.

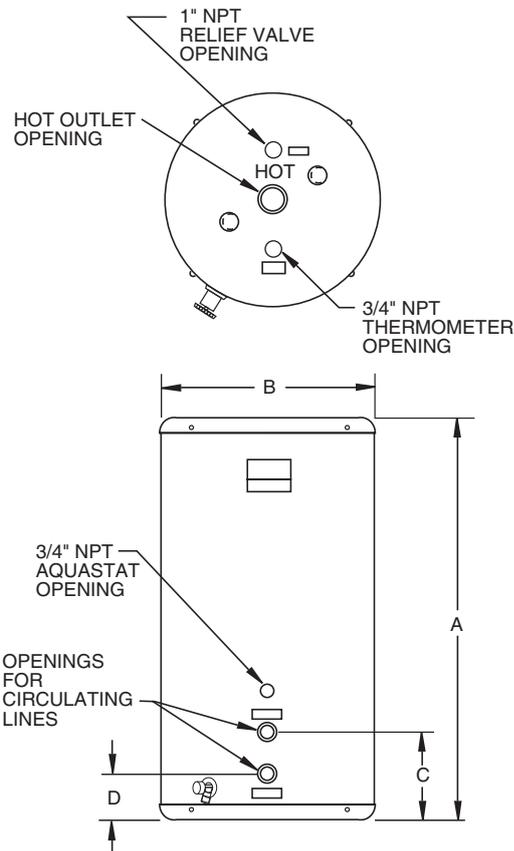
NOTE: 1" NPT drain opening on ST175(A). Handhole cleanout on ST175(A) only.

**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



**RECOMMENDED SPECIFICATION**

Storage Tank(s) shall be model \_\_\_\_\_, manufactured by RHEEM-RUUD. Storage Tank(s) shall have a storage capacity of \_\_\_\_\_ gallons. Tank(s) interior shall be double coated with a high temperature porcelain enamel and furnished with two magnesium anode rods rigidly supported. Tank(s) shall have a working pressure rating of \_\_\_\_\_ psi, and shall be completely assembled. Tank(s) shall be insulated with 2" of rigid polyurethane foam insulation.

**ADD FOR ASME CONSTRUCTION**

Storage Tank(s) shall be constructed in accordance with the requirements of the ASME Boiler Pressure Vessel Code, Section IV Part HLW.



Rheem Manufacturing Company (Singapore) Pte Ltd  
 8 Pandan Crescent, UE Tech Park #02-02 Singapore 128464  
 Tel : (65) 6872 1161  
 E-mail : rheem@rheemmfg.com.sg  
 Website: www.rheemmfg.com.sg

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