engineered for life™

Rheem® STB Series Hydronic Buffer Tanks

Enhances system performance by reducing short cycling in modern multi-zone hydronic heating systems using low-mass condensing boilers or air-to-water heat pumps.



STB Series
Hydronic Buffer Tanks
25, 55, and 80-Gallon Capacities

Features

- Reduces short cycling of heating equipment by increasing system water volume
- Improves system temperature stability under varying load conditions
- Ensures water flow through the heating appliance is maintained regardless of the number of zones in operation
- Stainless steel tank and connection fittings provide durability and corrosion resistance
- Two 1½" NPT heating appliance ports and two 1½" NPT system ports support flexible piping configurations
- Top system supply and side system return connections ensure air is purged from the top of the tank
- Side heating connections for easy connection to the heating appliance
- 3/8" ID thermal well supports an aquastat or temperature sensor for temperature monitoring
- 2" thick polystyrene foam insulation reduces standby heat loss
- Polypropylene jacket resists scratches and dents for job site and long term durability

Warranty

- 6-Year Limited Warranty

Rheem® STB Series Hydronic Buffer Tank Specifications

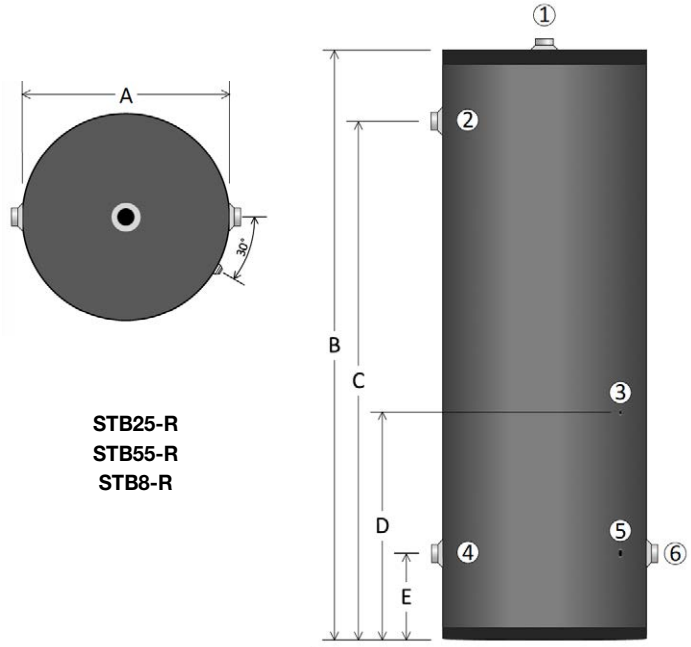
DESCRIPTION			FEATURES		DIMENSIONS (SHOWN IN INCHES)			
NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	MAX. OPERATING PRESSURE (PSI)	MAX. TEMP (F)	HEIGHT	DIAMETER	PIPING CONNECTIONS NPT	SHIP WT. (LBS)
25	26.4	STB25-R	150	185°	38.6	20.1	1.5	53
55	52.8	STB55-R	150	185°	61.7	21.8	1.5	84
80	79.3	STB80-R	150	185°	68.9	23.8	1.5	106

See dimensions and connections chart on back.

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STB25-R, STB55-R & STB80-R

DESCRIPTION			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)					CONNECTIONS (SHOWN IN INCHES)					
NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	DIAM. A	HEIGHT B	HEAT SUPPLY C	SENSOR/ AQUASTAT WELL D	HEAT RETURN & DRAIN & SYSTEM RETURN E	SYSTEM SUPPLY 1	HEAT SUPPLY 2	SENSOR/ AQUASTAT WELL 3	HEAT RE-TURN 4	DRAIN 5	SYSTEM RETURN 6
25	26.4	STB25-R	20.1	38.6	30.7	22.5	9.6	1.5 M	1.5 M	—	1.5 M	.75 F	1.5 M
55	52.8	STB55-R	21.8	61.7	52.6	24.0	10.4	1.5 M	1.5 M	—	1.5 M	.75 F	1.5 M
80	79.3	STB80-R	23.8	68.9	60.3	26.3	10.1	1.5 M	1.5 M	—	1.5 M	.75 F	1.5 M



STB25-R
STB55-R
STB8-R

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

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