

SUBMITTAL : SAN-43SSAQA



43 Gallon Storage Tank

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Job Name :	Location	
Purchaser	Engineer	
Submitted to	Reference Approval Construction	
Unit Designation	Schedule #	

Specifications	SAN-43SSAQA	
Performance		
Uniform Energy Factor	3.10	
Uniform First Hour Rating	69 Gallons	
Design		
Nominal Water Storage Volume	43 Gallons	
Pressure Relief Valve (Psig & °F)	150 Psig & 210°F	
Temperature Sensor	Thermistor	
Tank Weight (lbs)	88lbs	
Standby Loss in 67°F Ambient	313 Btu/h	
Tank Connection Sizes		
Cold Water Inlet	3/4" NPT	
Hot Water Outlet	3/4" NPT	
Cold Water to Heat Pump	3/4" NPT	
Hot Water Return from Heat Pump	3/4" NPT	
Press Relief Valve Discharge Line	3/4"	
Pipe Size - Tank to Heat Pump		
Size	1/2" & 1/2"	
Max Pipe Length inc	66ft	
Max Vertical Separation of	23ft	
Certifications		
Safety	ETL & ETLc	
Performance	Energy Star	
AHRI Certification reference #	TBA	
Tank Warranty		
Tank	15 Years	
	Limited Lifetime	

Construction

Storage tank shall be constructed from a blend of 316/444 Stainless Steel pressure tested to 300 psi Tank outer shell shall be steel with a baked on powder coating for protection

Insulation

A minimum of 1 7/8" R12 polystyrene insulation shall be used to insulate the tank to reduce heat loss Insulation shall not contribute to global warming

Connections

All connections shall be 3/4" NPT Female type Brass adaptors will be supplied with tank Cold Water Piping from Storage Tank to Heat Pump and return of Hot Water piping from Heat Pump to Tank be 1/2" Copper or PEX. Reducing nipples shall be field supplied and installed

Controls

The tank shall be supplied with a Temperature sensor installed in a sensor well to control the GS4-45HPC Heat Pump

Additional Heat Pump units connected to a tank shall require an individual Temperature sensor Additional Tank Water sensors shall be field installed Control wiring between Tank and Heat Pump model GS4-45HPC shall require a 2 wire 16AWG shielded wire between the Tank and GS4-45HPC Heat Pump

Pressure and Temperature Relief

Tank shall be supplied with valve to be field installed ASME certified Pressure and Temperature Relief valve Settings shall be at 150 Psig for Presssure and 210°F for Temperature

Mixing Valve

A factory supplied, but field installed Mixing or Anti Scald valve shall be supplied with the Tank Valve connections shall be 3/4" Female NPT Valve shall be field set to ensure delivered water temperature shall be below 120°F to prevent scalding

Available at: 888-470-2757



Eco2 Systems LLC

PO Box 1358, Walled Lake MI 48390, Tel : 1-844 SAND CO2 (1-844 726 3262) www.eco2waterheater.com

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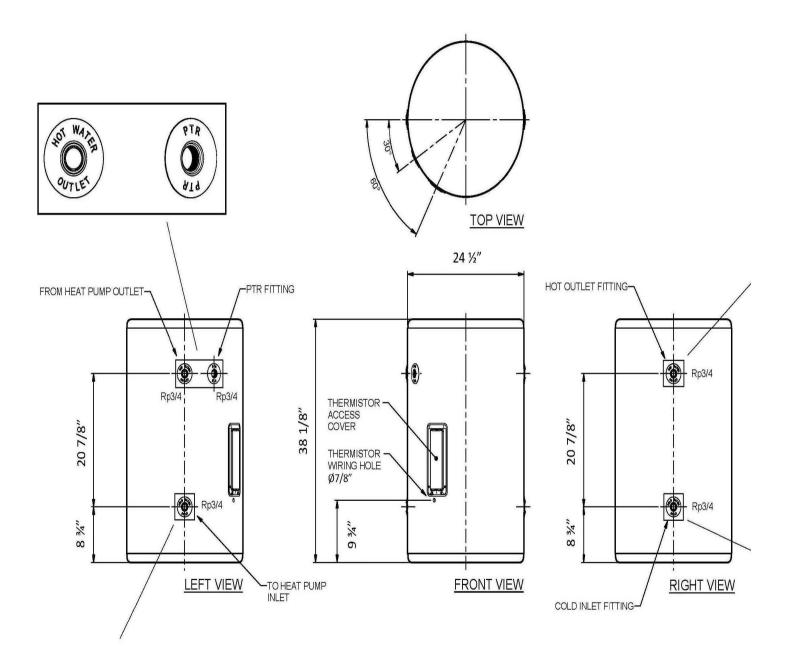
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SAN-43SSAQA Dimensions



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