

SUBMITTAL : SAN-119GLBK 119 Gallon Storage Tank



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

Specifications	SAN-119GLBK
Performance	
Uniform Energy Factor	3.40
Uniform First Hour Rating	135 Gallons
Storage Tank	
Nominal Volume	119 Gallons
Pressure Relief Valve (Psig & °F)	150 Psig & 210°F
Temperature Sensor	Thermistor
Tank Weight (Ibs)	345lbs
Standby Loss in 67°F Ambient	107 Btu/h
Tank Connection Sizes	
Cold Water Inlet	1 1/2" NPT
Hot Water Outlet	1 1/2" NPT
Cold Water to Heat Pump	3/4" NPT
Hot Water Return from HP	3/4" NPT
Press Relief Valve Discharge Lin	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	10 Years
	Limited Lifetime

### Construction

The tank shall be manufactured from mild steel with a baked on Cobalt enriched porcelain glass lining Tank outer shell shall be steel with a baked on powder coating for protection

#### Insulation

A minimum of 1 7/8" insulation shall be sprayed on to the tank to reduce heat loss Insulation shall not contribute to global warming

#### Connections

Connections to the Hot and Cold building supplies shall be 1 1/2" NPT Female type

Connections to the Hot and Cold piping to the Heat Pump shall be 3/4" NPT Female type

Cold Water Piping from Storage Tank to Heat Pump and return of Hot Water piping from Heat Pump to Tank shall 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 a factory 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 maximum delivered water temperature shall be below 120°F to prevent scalding

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

www.eco2waterheater.com

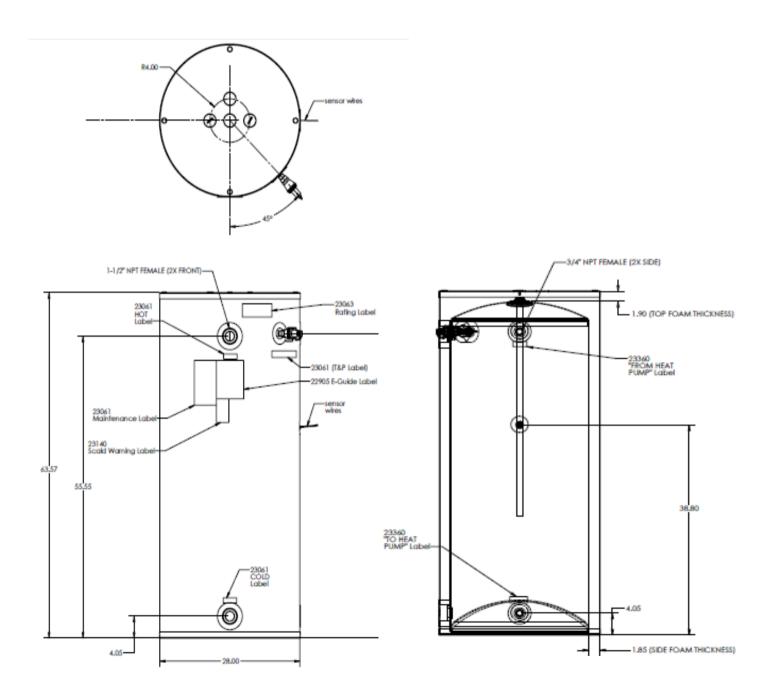


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## SAN-119GLBK Dimensions



Eco2 Systems LLC

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Due to Eco2 SystemsLLC's policy of on-going product development specifications are subject to change without notice