



# SUBMITTAL : SAN-119GLBK

## 119 Gallon Storage Tank



Job Name	Location		
Purchaser	Engineer		
Submitted to	Reference <input type="checkbox"/>	Approval <input type="checkbox"/>	Construction <input type="checkbox"/>
Unit Designation	Schedule #		

Specifications	SAN-119GLBK
<b>Performance</b>	
Uniform Energy Factor	3.40
Uniform First Hour Rating	135 Gallons
<b>Storage Tank</b>	
Nominal Volume	119 Gallons
Pressure Relief Valve (Psig & °F)	150 Psig & 210°F
Temperature Sensor	Thermistor
Tank Weight (lbs)	345lbs
Standby Loss in 67°F Ambient	107 Btu/h
<b>Tank Connection Sizes</b>	
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"
<b>Pipe Size - Tank to Heat Pump</b>	
Size	1/2" & 1/2"
Max Pipe Length inc	66ft
Max Vertical Separation of	23ft
<b>Certifications</b>	
Safety	ETL & ETLc
Performance	Energy Star
AHRI Certification reference #	TBA
<b>Tank Warranty</b>	
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 Pressure 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



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### SAN-119GLBK Dimensions

