

# SUBMITTAL : ECO-119SW13 119 Gallon & 13.5kw Swing Tank



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

| Specifications                   | GS5-45HPC & -D        |
|----------------------------------|-----------------------|
| Performance                      |                       |
| Capacity per Heat Pump           | 4.5kw or 15,400 Btu/h |
| Recovery per HP @ 90°F Rise      | 20.6 Gallons per Hour |
|                                  |                       |
| Swing Tank                       | ECO-119SW13           |
| Tank Volume Actual/Nominal       | 119 Gallons           |
| Pressure Relief Valve (Psig & °F | 150 Psig              |
| Temperature Sensor               | Immersion Thermostat  |
| Installed Tank Weight (lbs)      | 550lbs                |
| Shipping Tank Weight (lbs)       | 742lbs                |
| Anodes                           | 3 x Magnesium         |
|                                  |                       |
| Tank Connection Sizes            |                       |
| Recirc/HP Manifold Inlet         | 1 1/2" NPT            |
| Hot Water Outlet                 | 1 1/2" NPT            |
|                                  |                       |
| Electric Elements                |                       |
| Number of Elements               | 1                     |
| Element Output                   | 13.5kw                |
| Number of Element Contactors     | 2                     |
|                                  |                       |
| Amperage Draw / Breaker size     |                       |
| Power Supply : 208V-1Ph          | 64.9A / 90A           |
| Power Supply : 240V-1Ph          | 56.2A / 80A           |
| Power Supply : 208V-3Ph          | 37.5A / 50A           |
| Power Supply : 240V-3Ph          | 32.5A / 45A           |
| Approvals                        |                       |
| Tank                             | UL & Ulc              |
|                                  |                       |
| Warranty                         |                       |
| Tank                             | 5 Years               |

## Construction

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

#### Insulation

3" thickness, high-density closed cell foam insulation will meet the ASHRAE 90.1b current standard for minimizing heat loss. This requirement, allowing a maximum 4 watts per square foot of tank surface energy loss

#### Water Connections

Connections to the Recirculation loop and Hot Water from the GS5 Heat Pump Manifold shall be 1 1/2"

#### **Electric Element**

Low Watt Density Incoloy Element shall be used to ensure that the element resists the effects of high operating temperatures, hard water acids, corrosion and thermal shock in addition to water voids

### Controls

Digital Control system shall be used to control the operation of the Swing Tank with an Immersion Thermostat and a control setting ability shall be used to adjust the Tank Hot Water temperature setting. The temperature setting shall be factory present to 120°F or 49°C

Cartridge type fuses shall be rated at 200,000 Ampere interrupting capacity

Terminal Block Connections shall be provided to ensure field wiring

#### Pressure and Temperature Relief

Tank shall be supplied with a field installed, ASME approved Pressure relief valve Valve Setting shall be at 150 Psig

Relief Valve shall be piped to a suitable location in case of discharge

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

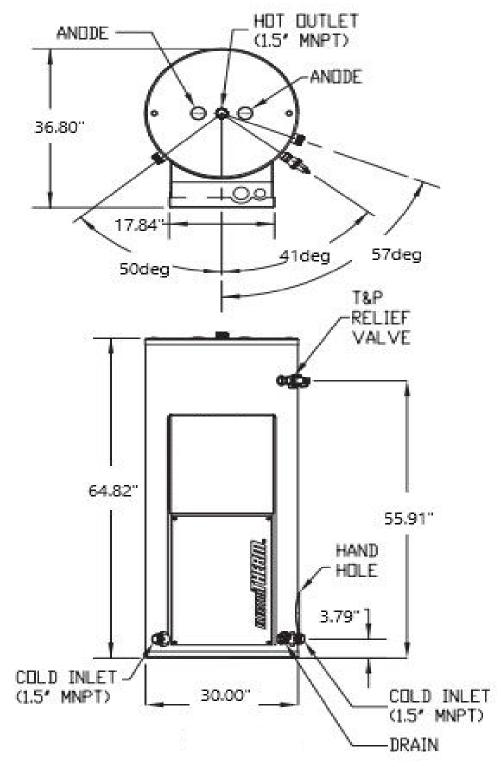
www.eco2waterheater.com





| ЕСО2             | SUBMITTAL : ECO-119SW13<br>119 Gallon & 13.5kw Swing Tank |
|------------------|---|
| Job Name         | Location  |
| Purchaser        | Engineer  |
| Submitted to     | Reference Approval Construction                           |
| Unit Designation | Schedule #  |

# **Swing Tank Dimensions**



Eco2 Systems LLC

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

Due to Eco2 Systems LLC's policy of on-going product development specifications are subject to change without notice © Eco2 Systems LLC 2024