



Hot Water Co-Generation Systems

The Serenity Modular Hot Water Co-Generation (SMH) Series offers high efficiency and high capacity with advanced features, quiet operation and application flexibility at competitive prices. GIBSS's Serenity Modular Hot Water Co-Generation Series can be used for radiant floor heating, industrial process control, potable hot water generation*, hot/chilled water for make-up air, and many other types of HVAC and industrial applications that require cost effective heated or chilled water.

UNIT FEATURES

- Sizes 036 (3 tons, 10.2 kW), 060 (5 tons, 17.6 kW), 120 (10 tons, 35.2 kW), 170 (14 tons, 49.3 kW), 340 (28 tons, 98.5 kW), 360 (30 tons, 105.6 kW), and 600 (50 tons, 176 kW)
- Copeland scroll compressor(s)
- Dual independent refrigeration circuits on size 120, 340, 360, and 600
- Exclusive single side service access (front of unit) allows multiple units to be installed side-by-side for large capacity installations (360 and 600 require front and rear access)
- Top water connections on sizes 170, 340, 360, and 600, staggered for ease of manifolding multiple units
- Exceeds ASHRAE 90.1 efficiencies
- Heavy gauge galvanized steel construction with polyester powder coat paint and stainless steel front access panels (036-340)
- Insulated compressor compartment
- Small footprint
- TXV metering devices
- Load leaving temperature range from 25 to 140°F, -4.4 to 60°C (see submittal for specific model range)
- Source entering temperature range from 20 to 130°F, -6.7 to 54.4°C (see submittal for specific model range)
- Microprocessor controls for 036-340. DDC controls for 360-600
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls

* Requires field supplied secondary heat exchanger.

SMH 036-340 have advanced microprocessor controls with Remote Service Sentinel and compressor "run" and "fault" LED (DDC option available)



SMH 360-600 have advanced digital controls for BAS interface, four LEDs for unit status, and compressor isolation switches standard



Small footprint with convenient front service access (SMH 036 shown)



SMH Series design allows for single side service access (SMH 340 shown)



Units may be installed side-by-side

Extended range insulated water/refrigerant circuit standard



SMH 360-600 have quick release service access panels

Rear access required for factory installed flushing connections and PT ports

SMH 360-600 have source water head pressure regulating valve standard



