

Guide Specification

HyperWatt R-11, R-113, R-123 Chiller Pressurization System

Model Number: HPS-C, HPS-P

Doc # HPS-C/P-A-0900

Part 1: General

1.01 SYSTEM DESCRIPTION

- A. HyperWatt unit consists of a 30-Kw hot water heater elements, centrifugal water pump and microprocessor controls. Hose connections are made to the chilled water in and out connections

1.02 QUALITY ASSURANCE

ETL, CE, and CSA, shall certify the equipment for safety and construction as well as EPA compliant and UL 1963 listed.

1.03 DELIVERY, STORAGE, AND HANDLING

The unit shall be shipped, stored, handled, installed, operated, and maintained in accordance with the manufacturer's instructions.

Part 2: Products

2.01. EQUIPMENT

- A. General:
 - a. HyperWatt unit consists of a 30-Kw hot water heater elements, centrifugal water pump and microprocessor controls.
 - b. Power requirements are 230-460V 60Hz 3Ph 20Amp, 220-415V 50Hz 3Ph 40Amp and 575V 60Hz 3Ph 40Amp.
- B. Installation:
 - a. Installation of the Hyper Watt system shall be in accordance with all state and local, mechanical and electrical codes. The Hyper Watt system shall be connecting to existing chilled water in and out ports via water hoses. A 1/4" hose shall be required to make connection from the chiller for the microprocessor controls.
- C. Dimension and Weight:
 - a. Unit dimension shall be approximately 21" x 19" x 51"
 - b. Unit weight shall be 120-lbs
 - c. Frame consists of aluminum and steel.
- D. Pump:
 - a. The HyperWatt system shall use a Centrifugal water pump @ 20GPM.
- E. Piping and Valving:
 - a. 3/4" inch Hose connections, Shut off valves, shall be used on the HyperWatt system.
- F. Control System and Safeties:
 - a. Microprocessor controls shall operate and provide safeties for safe operation.
 - b. The pump has an internal thermal overload.
 - c. Unit will have a 10 amp breaker switch
 - d. The control system shall prevent heater overload and burn out, chiller over pressurization by halting operations of the pump..
 - e. Sensor halts operation should water flow cease.
- G. Included Accessories:
 - a. 1ea 25-ft x 1/4-inch hose
 - b. 2ea. 10-ft x water hose
 - c. 1ea. 50-ft power cord for controls
 - d. 1ea. 50-ft power cord for heater