Geothermal Heat Trainer

Educational Training Equipment for the 21st Century

Bulletin 229-6D

H-RST-20
Geothermal Trainer

Purpose

Hampden's **Model H-RST-20** Geothermal Trainer provides hands-on training by allowing students to conduct tests and adjustments on a modern Geothermal Heat Pump System.

Specifications

The **H-RST-20** Geothermal Trainer consists of the following:

- Geothermal Heat Pump Components (water-to-water)
- Microprocessor Control
- TXV Valve
- E-coated Air Coils
- Compressor
- Two-stage 24V Heating/Cooling Thermostat
- Mobile Frame
- Instruction Manual and Text Book

The following components shall be mounted on mobile frame:

- Compressor
- Electric Pressure Control (1 high and 1 low)
- Filter Drier
- Sight Glass
- Condensers (2)
- 24V Two-Stage Heating/Cooling Thermostat
- Power Cord
- Water Supply Tank with Pump
- Water Storage Tank with Pump
- Programmable Thermostat
- Main AC Breaker with Pilot Light
- Pump Switch with Pilot Light (2)
- Digital Temperature Meter with Selector Switch
- Flowmeter 0.5 – 5 GPM (2)

FRONT

BACK

MODEL H-RST-20
(Shown with -DMP Digital Meter Package Option and -FP-6E Electrical Fault Package Option)
Dimensions: 66-5/8"H x 72"W x 30"D
Shipping Weight: 1,050 lbs

- High Pressure Refrigerant Gauge
- Low Compound Refrigerant Gauge
- Reversing Valve with Coil
- Suction Accumulator
- Section of Radiant Flooring with 3 Flooring Inserts
- Thermostatic Expansion Valves (2)

Input Power: 208/230V AC–1Ø–60 Hz

Options

- H-RST-20-FP-6E Electrical Fault Package Option
- H-RST-20-DMP Digital Meter Package Option

Description

The **H-RST-20** Geothermal Trainer is equipped with:

1. Exclusive double isolation compressor mounting system
2. Insulated divider and seperate compressor/air handler compartments
3. Extended range operation (20° to 120°F)
4. Exceeds ASHRAE 90.1 efficiencies
5. Internally trapped condensate drain line
6. Unit Performance Sentinel performance monitoring system

All Hampden units are available for operation at any voltage or frequency

110722

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