

Heat Trainer

Educational Training Equipment for the 21st Century

Bulletin 229-5B

H-GTL-1 Geothermal Trainer

Purpose

Hampden's **Model H-GTL-1** Geothermal Trainer provides hands-on training by allowing students to conduct tests and adjustments on a modern Geothermal Heat Pump.

Description

The **H-GTL-1** Geothermal Trainer is equipped with:

1. Exclusive double isolation compressor mounting system
2. Insulated divider and separate 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

Specifications

The **H-GTL-1** Geothermal Trainer consists of the following:

- 3 Ton Geothermal Heat Pump (water-to-water)
- Pressure Gauges, 1-High, 1-Low
- Microprocessor Control
- TXV Valve
- E-coated Air Coils
- Compressor
- Two-stage 24V Heating/Cooling Thermostat
- Mobile Bench
- Instruction Manual and Text Book

The following components shall be mounted on mobile bench:

- Geothermal Heat Pump
- Control Panel
- 24V Two-Stage Heating/Cooling Thermostat
- Power Cord
- Ground Water Supply Tank with Pump (Clear Tank)
- Domestic Water Supply Tank with Pump
- Section of Radiant Flooring with 3 Flooring Inserts
- Blower Fan for Cooling Cycle Operation

Electrical Faults

1. Pump 1
2. Pump 2
3. Thermostat - Thermocouple
4. Compressor

Input Power: 208/230V AC-1Ø-60 Hz



MODEL H-GTL-1

Dimensions: 66-5/8"H x 72"W x 30"D

Shipping Weight: 1,026 lbs

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

Hampden
ENGINEERING CORPORATION

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