

Mobile Refrigeration Trainer

Educational Training Equipment for the 21st Century

Bulletin 239-1L

H-RST-3B Basic Refrigeration Trainer

Purpose

The Hampden **Model H-RST-3B** was designed to provide students with a thorough understanding of the refrigeration cycle, including measurement of pressure, vacuum, flow rate, and temperature.

The system components are panel mounted to provide easy access for testing and troubleshooting. When specified, Hampden Refrigeration Training Systems are supplied with an integral Fault Package, comprised of preset mechanical and electrical faults mounted in a locking box on the rear of the trainer.

Also available with all Hampden Refrigeration Training Systems is a Panel-Mounted Meter Package that permits monitoring of the system voltage, current and watts.

Description

The Hampden **Model H-RST-3B** Basic Refrigeration Trainer contains a reversing valve so that the system may be run as a heat pump in addition to operation as a refrigeration system. Three types of liquid control devices are included: capillary tube, thermostatic expansion valve, and hand expansion valve. Sight glasses at the inlet and outlet of the evaporator and condenser allow students to monitor changes in refrigerant state. The unit also includes pressure gauges, thermometer wells, temperature and pressure controls, flowmeter, and receiver. Factory-charged with R-134a HFC refrigerant. Furnished complete with operating instructions, experiment and teacher's manuals.

Options

H-RST-DMP Digital Meter Package

H-RST-FP-10E Fault Package - Electrical

H-RST-FP-M Fault Package - Mechanical

H-RST-TC Digital Temperature Module with thermocouples
(H-RST-3B only)

H-RST-3B-CDL Basic Refrigeration Trainer with Computer Data Logging and Software Package (includes H-RST-TC)

H-RST-3B-CDL-L Basic Refrigeration Trainer with Computer Data Logging Package – LabVIEW

H-RST-DMB Digital Manifold with Bluetooth

Options must be specified at time of original order.

Power Required: 120V AC 1Ø 60Hz



MODEL H-RST-3B shown with **H-RST-DMP** Digital Meter Package, **H-RST-FP-10E/M** Fault Package, and **H-RST-TC** Digital Temperature Package options (Shown with **H-RST-DMB** Option)
Dimensions: 76"H x 51"W x 31"D
Shipping Weight: 675 lbs

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

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