

A/C & Refrigeration Training Kits

Educational Training Equipment for the 21st Century

Bulletin 233-2H

Description

Hampden **Air Conditioning and Refrigeration Training Kits** provide practical hands-on experience in connecting, charging, and servicing of current air conditioning and refrigeration systems. The various trainers are suitable for a wide range of institutions including: technical and community colleges, industrial corporations, and government and military training centers.

Each kit comes complete with the necessary tubing, fittings, and electrical hardware as well as the compressor, condenser, evaporator, and auxiliary apparatus and is supplied with a mobile cart of code-gauge furniture stock steel finished in instrument tan enamel with 4-inch swivel rubber-tired casters, except for **H-ACTK-20** which is supplied with a mobile cabinet.

H-ACTK-1A Beverage Cooler (R-134a)

Includes: forced convection evaporator, air-cooled condenser, semi-hermetic compressor with 1/3 HP motor, thermostatic expansion valve, filter-drier, sight glass, and low pressure control.

H-ACTK-2 Single Evaporator Refrigeration/Freezer (R-134a)

Includes: gravity type domestic evaporator, capillary tube, filter-drier, hermetic compressor with 1/4 HP motor, air-cooled condenser, dehydrator, and temperature control.

H-ACTK-3 Two-Door Refrigerator (R-134a)

Includes: domestic freezer evaporator, finned high-humidity evaporator, hermetic compressor with 1/4 HP motor, air-cooled condenser, capillary tube, filter-drier, dehydrator, temperature control, and a hand valve to regulate temperature difference at evaporator.

H-ACTK-4 Grocery Reach-in Cooler (R-134a)

Includes: gravity evaporator with automatic expansion valve, hermetic compressor with 1/3 HP motor, air-cooled condenser, sight glass, filter-drier, and temperature control.

H-ACTK-5 Small Walk-in Meat Cooler (R-134a)

Includes: forced convection evaporator, 1/2 HP semi-hermetic compressor, air-cooled condenser, thermostatic expansion valve, filter-drier, sight glass, and low pressure control.

H-ACTK-6 Multiple Case Cooler (R-134a)

Includes: 2 forced convection evaporators, hermetic compressor with 1/2 HP motor, air-cooled condenser, 2 thermostatic expansion valves, 2 solenoid valves, filter-drier, sight glass, 2 temperature controls, and low pressure control.

H-ACTK-7 Ice Cream Freezer (R-134a)

Includes: forced convection electric defrost evaporator, air cooled condenser, semi-hermetic compressor with 1/2 HP motor, thermostatic expansion valve, filter-drier, sight glass, and temperature control.

H-ACTK-8A Restaurant High-Temperature Salad-Box (R-134a)

Includes: forced convection evaporator, semi-hermetic compressor with 1/2 HP motor, water-cooled condenser, thermostatic expansion valve, sight glass, filter-drier, water regulating valve, and low pressure control.

H-ACTK-9 Commercial Florist Cooler (R-134a)

Includes: semi-hermetic compressor with 1/2 HP motor, water-cooled condenser, forced convection evaporator, thermostatic expansion valve, filter-drier, sight glass, and temperature control.

H-ACTK-10 Room Air Conditioner (R-410A)

Includes: hermetic compressor with 1/2 HP motor, air-cooled condenser, 1/2-ton air handler with filters and centrifugal blower, capillary tube and temperature control.

H-ACTK-11 Small Air Conditioner (R-134a)

Includes: semi-hermetic compressor with 1 HP motor, water-cooled condenser, 1-ton air handler with centrifugal blower, thermostatic expansion valve, filter-drier, sight glass, and temperature control.

H-ACTK-12 Water Chiller Trainer (R-134a)

Includes: 1/4 HP hermetic compressor, forced air-cooled condenser, automatic thermostat, capillary tube, high & low pressure gauges, Type T thermocouples.

H-ACTK-15 Freezer Trainer (R-404A)

Includes: hermetic compressor with external oil cooling, forced air-cooled condenser, evaporator, 24 hour timer, thermostat, filter-drier, sight glass, accumulator, and capillary tube.



MODEL H-ACTK-6

Other models similar in configuration

Cart Base Dimensions: 38"W x 24"D,

Height ranges from 54" to 72"

Shipping Weight: 300 lbs

NOTE: Units shipped are kits and are not fully assembled.

H-ACTK-19 AC/Refrigeration Trainer Kit (R-134a)

Includes: 1 forced convection evaporators, hermetic compressor with 1/2 HP motor, air-cooled condenser, 1 thermostatic expansion valves, 1 solenoid valves, filter-drier, sight glass, 1 temperature controls, and low pressure control.

H-ACTK-20 AC/Refrigeration Control Kit (N/A)

Includes the components necessary to demonstrate the operation, installation, and troubleshooting procedures for typical installations. Optional fault program available, add suffix -FT.

*** All Kits Available with Semi-Hermetic Compressors (Add -S to Model Number)**

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

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H-ACTK-21 Mini Split-Type AC Trainer (R-410A)

Includes: twin rotary compressor, evaporator, 24 hour clock with on/off programmer timer, integrated circuit thermostat, high and low pressure gauges, capillary tube, Type T thermocouples.

H-ACTK-22 Split-Type Heat Pump Trainer (R-134a)

Includes: hermetic compressor, evaporator, forced air cooled condenser, high and low pressure gauges, TEV valve, Type T thermocouples.

H-ACTK-23 Geothermal Trainer (R-410A)

Includes: compressor, cap and clamp kit, electric pressure control (2), contactor, transformer, filter drier, sight glass, evaporator and condenser.

Options

- Fully Assembled, specify **-A**
- Semi-Hermetic Compressors, specify **-S**
- **H-RST-MP** Instruments Package
- **H-RST-FP-10E** Electrical Faults Package
- **CSI** Computer Data Logging and Control

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

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