

Commercial Refrigeration Trainer

Educational Training Equipment for the 21st Century

Bulletin 238-4

H-CRT-4C

Commercial Multi-Compressor Rack Refrigeration System Trainer with Danfoss Controls and with Electrical Fault Package

Purpose

The Hampden **Model H-CRT-4C** Commercial Multi-Compressor Rack Refrigeration System Trainer with Danfoss Controls was designed to provide students with a thorough understanding of the refrigeration cycle, including measurement of pressure, vacuum, flow rate, and temperature.

Description

The system components are panel mounted to provide easy access for testing and troubleshooting. The Hampden **Model H-CRT-4C** is supplied with an integral Fault Package, comprised of preset electrical faults mounted in a locking box on the side of the trainer.

Specifications

The Hampden **Model H-CRT-4C** Commercial Multi-Compressor Rack Refrigeration System Trainer with Danfoss Controls consists of the following:

- Scroll Compressors (3)
- Evaporators (2), w/ Temperature Sensors
- T.E.V. Valves (2)
- Air-cooled Condenser
- Oil Separator
- Oil Filter
- Oil Reservoir with (2) sight glasses
- Oil Level Solenoid, (3)
- Oil Differential Check Valve
- Liquid Receiver
- Cartridge Type Filter-Drier
- Take apart suction line for Filter-Drier Cartridge
- Sight Glass
- Suction Accumulator
- Suction Shell
- Pressure Transducer, (1) high and (1) low
- Suction Pressure Gauge
- Discharge Pressure Gauge
- High / Low Pressure Switch (3)
- Head Pressure Control Valve
- Controller



MODEL H-CRT-4C Commercial Multi-Compressor Rack Refrigeration System Trainer with Danfoss Controls and with Electrical Fault Package

Dimensions: 75.25"H x 104"W x 31.25"D

Shipping Weight: 1,600 lbs.

- O/I Board Box
- Load Center
- Lexan® Enclosed Cold Box
- Heat Load Shutters (4)
- Electrical Fault Package
- Factory-charged with R-404A HFC refrigerant

Power Required: 220V.AC 1Ø 60Hz

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

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Hampden
ENGINEERING CORPORATION