COMMERCIAL REFRIGERATION TRAINING UNIT
802



Year 1
study

Features

- Constructed from the Components actually required to install a 0.17 Cubic meter (6 Cubic Feet) Chill room
- Shows how the Basic Principles of the Vapour Compression Cycle are applied in Practical Refrigeration
- Optional Student Tool Kit, Test and Service Equipment and Maintenance and Student Practice Package (Ordered separately)
- Complete with Comprehensive Installation, Operation and Maintenance Manual
- Demonstrates Common Faults and Effects on the System

Description

Model 802 is mounted on a stainless steel panel and comprises a hermetic type compressor, air cooled condenser and a forced air evaporator inside an insulated cabinet. The layout of the system components is exactly the same as fitted to a full size chill room and the unit is designed as an introduction to “real” refrigeration systems. The training objectives of the 802 unit link directly to the Basic Installation Training Package 803 for a comprehensive range of practical skills training. The instructor can introduce “faults” such as removing part of the system charge, setting high or low pressure switches to unusual levels or overcharging the unit. This assumes suitably Qualified personnel and charging and recovery equipment is available locally. A comparison between the student built 803 and 802 clearly establishes whether installation skill and competences are sufficiently developed or if further training and practice are required. A standard Student Tool Kit, Test and Service Equipment Package and Maintenance and Student Practice Package are available as optional items.

Related Laws/Applications

- Fault diagnosis and correction
- Refrigerant recovery and recycling
- Changing components
- Evacuation and Charging

Learning capabilities

- Examination of the system cycle and components.
- Heat leakage demonstration No 1
- Heat Leakage Demonstration No 2
- Product heat load
- The use of service gauges
- Method of adjusting Low Pressure Switch.
- Excessive Discharge Pressure
- Transfer of Refrigerant to the Liquid Receiver
- Charging

Technical Specification

- Air cooled condensing unit.
- Suction and Discharge Service Valves.
- Gauge Manifold Connection points.
- Built in Motor Protector.
- Forced air, blow through type evaporator, with 15-watt fan motor.
- Openable, Insulated hood with on/off heat load.
- Internally equalised Thermostatic Expansion Valve.
- Liquid Line Filter Drier.
- Heat Exchanger.
- High Pressure Switch.
- Low Pressure Switch.
- High Pressure gauge.
- Compound gauge.

Recommended Ancillaries

- TKB
- TSE

What's in the Box?

- 1 x 802
- 1 x Transformer (115V only)
- Instruction manual
- Packing list
- Test sheet

You might also like

- 803

Weights & Dimensions

- Weight: 101 kg
- Weight: 105 kg (115V version)
- Length: 1340mm
- Width: 640mm
- Height: 1650mm

Essential Services

- 13 Amp, 220-240 Volts, Single Phase, 50Hz, (With earth/ground).
- 26 Amp, 110-120 Volts, Single Phase, 60Hz, (With earth/ground).

Ordering information

To order this product, please call PA Hilton quoting the following codes:
802/230
802/115

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS