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Product Name :
Advanced Training Unit For Fault Location

Product Code :
LBNY-0005-1880001



Description :

Advanced Training Unit for Fault Location is mounted on a wheeled steel frame with stainless steel base and back panels and incorporates:- A Semi-Hermetic compressor 0.37 kW nominal duty, Air cooled Condenser with aluminium finned, copper coil; two display-case evaporators. Aluminium finned, copper coils with hot gas defrosting; a liquid receiver; 2 thermostatic expansion valves; Low and high-pressure control, evaporator pressure control, capacity control, thermostatic control, condensing pressure control and crankcase pressure control, low pressure switch, high pressure switch.

For student practice up to 25 refrigeration and electrical faults may be introduced into the system. Advanced Training Unit for Fault Location is constructed entirely from standard commercial components, including all of the necessary primary and safety controls and will give students valuable experience of system adjustment and fault finding on a multi-evaporator three phase refrigeration system.

Technical Specification :

The unit is mounted on a wheeled steel frame with stainless steel base and back panels and incorporates:

Condenser:

Air-cooled, aluminium finned, copper coil

Evaporators:

Display-case evaporators. Aluminium finned, copper coils with hot gas defrosting

Compressor:

Semi-Hermetic, 0.37 kW. 1450 rpm

Control equipment:

Low and high-pressure control, thermostatic control, evaporator pressure control, capacity control, condensing pressure control and crankcase pressure control, low pressure switch, high pressure switch

Injection controls:

2 thermostatic expansion valves

Liquid receiver

Measuring equipment:

Digital temperature indicator with 10 ways selector switch

4 pressure gauges (3 compound, 1 high pressure)

Hand-held digital multi-meter

2 dial thermometers.

Refrigerant:

An electrical control box is mounted on the panel and includes accessible three phase relays, fuses and an overload protector. An internal three phase residual current device protects against earth leakage. Fan speed controls and defrost switch with indicator are also panel mounted.

25 switches located on the side panel under a hinged cover allow combinations of faults to be activated by the instructor.



Laboratory Instrument India