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**Product Name :**  
Reverse Cycle Refrigeration And Air Con Training Unit

**Product Code :**  
LBNY-0005-18800011



#### **Description :**

The hermetic condensing Reverse Cycle Refrigeration and Air Con Training Unit has a high starting torque motor with built-in winding protector, air-cooled condenser and liquid receiver. Reverse Cycle Refrigeration and Air Con Training Unit unit demonstrates both refrigeration and air conditioning principles as well as operation of two evaporators on one compressor by means of an evaporator pressure regulator. These comprise: Automatic expansion valve; internal equalised thermostatic expansion valve; External equalised thermostatic expansion valve. and Capillary tube with separate filter drier. A water cooled condenser is provided with an automatic condenser pressure regulator. Both the forced air evaporator and the static evaporator has a 3/8 O.D. copper tube coil block with aluminium fins. The Flow Controls may be selected by hand valves.

#### **Technical Specification :**

The unit is mounted in a steel frame with stainless steel base and back panels and incorporates:-

Forced Air Evaporator:

Coil block: 3/8 O.D. copper tube with aluminium fins

Hermetic Condensing Unit:

Remote Water-cooled Condenser

Having a high starting torque motor with built-in winding protector, air-cooled condenser and liquid receiver

Flow Controls:

Internal equalised thermostatic expansion valve.

External equalised thermostatic expansion valve.

Automatic expansion valve.

Selection by handwheel valve.

Flow Control:

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Capillary tube with separate filter drier.

Selection by handwheel valve.

Static Evaporator:

Coil block as for Forced Air Evaporator.

Reverse Cycle Operation:

High pressure switch.

Low pressure switch.

Evaporator pressure regulating valve for dual- temperature operation.

Compound Gauge.

High Pressure Gauge.

3 Sight Glasses.

9 Hand valves

4 Check Valves to control direction of refrigerant flow.

An electrical control box is mounted on the back panel and includes indicators/warning lamp, on/off evaporator and condenser fan and reverse cycle contactor and overload, as well as residual current device for protection against earth leakage.



**Laboratory Instrument India**