



Email : sales@laboratoryinstrumentindia.com

Product Name :
Freezer and Refrigerator

Product Code :
LBNY-0001-800003



Description :

Freezer and Refrigerator

Technical Specification :

Refrigerator and freezer unit in one compartment with high performance refrigeration system and stable temperature.

It is with Compressor and integrated electronics minimize any environmental impact and cost of electricity without compromising cooling performance, ambient tolerance and recovery speeds following door openings. Naturally have minimal effect on the environment and are compliant with environmental legislation for climate control (eg. Hydrocarbons). Combined with inverter technology, provide more efficient cooling without compromising performance and ambient tolerance and recovery.

Temperatures remain stable wherever products are stored, even in a fully loaded chamber. The refrigerator is engineered to prevent inadvertent freezing of temperature sensitive vaccines.

The instrument contain a refrigerator and freezer unit in one compartment.

The refrigerator include a high performance refrigeration system with a forced air, back wall plenum and provide even, horizontal airflow across the solid, adjustable shelves at each shelf level.

A uniform freezer temperature is maintained through a cold wall refrigeration system with natural circulation.

The microprocessor controller and LED display is door mounted at eye level. Control buttons allows convenient but secure user control.

Refrigerator and freezer temperatures is displayed in 0.1°C increments simultaneously or individually.

Temperatures are automatically displayed every 12 hours.

All alarm conditions is displayed and recorded in a data logger.

Data transfer is through a USB port. Performance (AT30°C Pull-down & Pull-up Temperature).

Dimensions

External Dimensions (W x D x H) (800-810) x (640-650) x (1810-1820) mm

Internal Dimensions (W x D x H) (720-730) x (516 -526)x (913-923) mm (Ref) / 680 x 470 x 415 mm (Frz)

Volume (300-330)/ 120-136 litres (Ref / Frz)

Temperature Setting Range +2 to +14 °C (Ref) / -20 to -30 °C (Frz)

Temperature Control Range +2 to +14 °C (Ref) / -20 to -30 °C (Frz)

Controller Microprocessor

Display White graphic OLED

Temperature Sensor Thermistor

Cooling Method Fan forced air circulation (Refrigerator) / Direct cooling (Freezer)

Defrost Method Cyclical defrost (Refrigerator) / Manual (Freezer)

Refrigerant HC refrigerant (Refrigerator / Freezer)

Insulation Material PUF

Exterior Material Painted steel

Interior Material ABS resin (Refrigerator) / Painted steel (Freezer)

Outer Doors 4, glass window (2)

Outer Door Lock Y (Refrigerator / Freezer)

Shelves Tempered glass (3) / Coated steel wires (2) (Refrigerator / Freezer)

Drawers

Max. Load - Per Shelf/Drawer 25 kg (Refrigerator) /15 kg (Freezer)

Max. Load – Total 2 (1 for Refrigerator, 1 for Freezer)

Access Port

Access Port Position Back

Access Port Diameter 30 mm

Casters 4

Interior Light LED

Alarm (V= Visual Alarm, B = Buzzer Alarm, R = Remote Alarm, M = Message)

Power Failure V-B—R

High Temperature V-B-M-R

Low Temperature V-B-M-R

Door Open V-B-M

Power Supply Local

Noise Level 40-45 dB [A]

Required Accessories:

Temperature chart recorder Ref)

Chart paper (Ref)

Recorder housing (for each recorder of Ref / Frz)

Circular temp. chart recorder (Ref / Frz)

Chart paper (Ref / Frz)

Ink pen (Ref / Frz)

Continuous strip type (Frz)

Chart paper (Frz)

External mounting power failure alarm

Container inside freezer (Frz)

Blackout panel (Ref)

Operating Temperature: +10 °C to + 35°C

220ACV±10, 50 Hz

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