

Laboratory Plus - ATEX Approved Bluetooth Enabled Freezer



312L Laboratory Plus Upright Freezer with Solid Door

Product code LSF312BT-ATEX

SKU code 444411367



ATEX Zone 2, Category 3 Certified (Internal Cavity)

The **internal cavity** of this unit is certified in accordance with ATEX Directive 2014/34/EU for use in **Zone 2, Category 3** environments. This means it is suitable for areas where explosive atmospheres are unlikely during normal operation but may occur briefly and infrequently. All **external components** are classified as being in a non-hazardous (safe) area and therefore do not require ATEX compliance.

Key features

- ✓ Temperature range: of -18°C to -25°C
- ✓ Audible and visual temperature alarms
- ✓ Air temperature probe
- ✓ Factory fitted 16mm porthole for secondary temperature monitoring probes



Bluetooth Connected Controller

Our upgraded controller is Bluetooth enabled and allows for simple, contactless monitoring of temperature and alarm history, via the official Lec Medical app.



Lec Medical Smartphone App

Contactless local monitoring of air temperature via our bespoke smart phone app. Downloadable temperature reports and alarm history.



Fitted Lock

Integrated lock, comes with two keys for added security and access control, to keep contents safe.



Spark-free

We have removed items such as fans and lights so nothing in the interior of the appliance has a risk of igniting flammable liquids.



Anti-Microbial Handle

Our handles have an anti-microbial powder coating which inhibits the growth of microbes to help prevent cross contamination.

Specification: 312L Laboratory Plus Upright Freezer with Solid Door

Product Information

Brand	LEC Medical
Category	Laboratory
Sub-Brand	Laboratory Plus
SKU Code	444411367
EAN Code	5052263113671
GDMA Code	LSFSF312BT-ATEX
Description	Free Standing Upright

Product Features

Gross Capacity (litres)	312L
Net Capacity (litres)	290L
Temperature Range	-18°C to -25°C
Open Door Sensor	Yes
Key Lock	Yes, 2 Keys
Digital Lock	No
Porthole	Yes
Porthole Size (Ø Diameter)	16mm
Porthole Location	Rear Bottom (Right)
Controller Type	Digital BT, External
Temperature Display on Panel	Yes
Temperature Alarm	Yes
Remote Alarm Contacts	Yes
Audible Alarms	Yes
Visual Alarms	Yes
Interior Light	No
Light Type	n/a
Light Activation	n/a
Fan - Type	No
Spark Free	Yes
Defrost setting	Manual
Battery Back Up/Hours	No
Bluetooth	Yes
NFC	Yes
WIFI	No
GSM-4G	No
Number of Probes	1
Probe Type	Air
Anti Microbial Handle	Yes

Internal Specification

Number of Shelves	n/a
Number of Shelf Positions	n/a
Shelf Size 1 (mm) (WxDxH)	n/a
Shelf Size 2 (mm) (WxDxH)	n/a
Shelf Material	n/a
Number of Drawers	8
Number of Drawer Positions	8 Fixed
Drawer Size 1 (mm) (WxDxH)	7@ 408mm x 405mm x 195mm
Drawer Size 2 (mm) (WxDxH)	1@ 408mm x 252mm x 210mm
Drawer Material	HIPS*
Number of Baskets	0
Basket Material	n/a
Basket Size (mm) (WxDxH)	n/a

Door Specification

Door Finish	Painted Steel / Solid
Door Type	Solid
Door Style	Hinged, Reversible
Door Liner	Flat
Number of Door Trays	n/a
Number of Door Tray Positions	n/a
Door Open Depth (mm)	1150mm
Replacement Door Seal	Yes

Technical Information

Noise Level (dB)	36.8dB
Colour	White/Green
External Finish	Painted Steel
Internal Finish	HIPS
Type of plastic	SRL800 (HIPS/ABS mix)
Ambient Temperature Range	16°C to 32°C
Refrigerant Type / Weight (g)	R600a/80g
CFC Free	Yes
HFC Free	Yes
HCFC Free	Yes
Ammonia Free	Yes
Insulation Thickness (mm)	85mm
Insulation Type	High Density Polyurethane Foam
Blowing Agent	Cyclopentane
Certification	CE/UKCA
ATEX Zone Classification	Internal Cavity - Zone 2, Cat 3

Power/Installation

UK 3 Pin Plug Power Cord	Yes
EU Schuko 2 pin plug Power Cord	Yes
AU Type I Plug Power Cord	No
Voltage Supply (V)	220-240V
Frequency (Hz)	50Hz
Max Power (W)	130W
Max Current Rating (A)	0.35A
Energy Consumption (kWh/24h)	1.33kWh/24h
Energy Consumption AE (kWh)	485.45kWh
Heat Output Estimated at 22°C (kJ)	4778kJ
Adjustable Feet (Number & position)	2 adjustable (front)

Weights & Dimensions

Unit External Width (mm)	595mm
Unit External Depth (mm)	600mm
Unit External Height (mm)	1925mm
Unit External Depth Inc Handle (mm)	660mm
Internal Dimensions (mm) (WxDxH)	420mm x 455mm x 1710mm
Product Weight (kg)	75.4kg
Packed Width (mm)	640mm
Packed Depth (mm)	635mm
Packed Height (mm)	1995mm
Packed Weight (kg)	82.4kg
Country of Origin	China