

DOUBLE DOOR FREEZER



UPRIGHT FREEZER DOUBLE DOOR LUFD-25-100 SERIES

Labocon Upright Freezer Double Door LUFD-25-100 Series are ergonomically designed, for safe and economic storage. They achieve outstanding thermal performance, safety, security and provide ultimate protection for many critical samples.

Features

- ▶ Vertical cabinet with two chamber rooms
- ▶ ABS liner interior and painted steel board exterior
- ▶ Door with safety lock and rotatable sure-grip door handle
- ▶ Insulation thickness: 60 mm
- ▶ Polycarbonate insulated inner doors
- ▶ LCD display
- ▶ Microprocessor temperature controller
- ▶ Password protected configuration page
- ▶ Refrigerant: CFC free R134a
- ▶ Danfoss compressor (2 units) and EBM fan motor
- ▶ 4 units Caster for easy handing
- ▶ 12 units drawers made of ABS material inside
- ▶ Safety functions: High or low temperature alarm, system failure alarm
- ▶ Optional: Chart Recorder

Application

Labocon Upright Freezer Double Door LUFD-25-100 Series are suitable for storage of number of samples like plasma and test samples to biologicals, storage of life-saving and frozen blood supplies and vaccines, enzymes for genetic research, temperature sensitive materials, reagents and other media.

Specification

Model	LUFD-25-101
Capacity (L)	450 L
Temp. range	-10°C to -25°C
Overall Dimension (W x D x H) (mm)	655x780x1845
Weight (kg)	120/140 kg
Power supply	220V/50Hz
Catalog no.	9428214343



LUFD-25⁰c - 101

UPRIGHT FREEZER DOUBLE DOOR LUFD-25-200 SERIES

Labocon Upright Freezer Double Door LUFD-25-200 Series are ergonomically designed, for safe and economic storage. They achieve outstanding thermal performance, safety, security and provide ultimate protection for many critical samples.

Features

- ▶ Sheet steel epoxy coated white colour inside and outside
- ▶ Internal corners are rounded to make easy any cleaning operation
- ▶ High density (40 Kg/m³) polyurethane insulation
- ▶ Insulation thickness: 50 mm
- ▶ Hinged door side-by-side provided with removable magnetic rubber gasket and flush-fitting type door handle. The door is also fitted with a spring loaded automatic closing device for openings inferior then 90° and special door switches that stop the internal ventilation at the door opening and light the internal lighting at every opening
- ▶ 6/9 (3 for each door) storage open wire shelves realized in sheet steel with a strong plastic coating
- ▶ Internal lighting: 2 bulb mounted in the bottom part of the control panel with automatic activation at every door opening and even through a touchpad on the control panel
- ▶ Control panel: microprocessor operating with 6 soft-touchpads and LCD display. The main functions of the control panel are :
 - ▶ Digital temperature adjusting and display with an accuracy of 0.1°C
 - ▶ Keyboard buttons with locking protection
 - ▶ Muting facilities for acoustic alarms
 - ▶ Alarms memory for the last 10 alarm conditions
 - ▶ Ntc type sensors for a high accuracy of the temperature control
- ▶ Cooling unit mounted at the top with a condensing unit compounded by a hermetic compressor and air cooled condenser
- ▶ Refrigeration: forced-air circulation

- ▶ Refrigerant : R404a CFC-free
- ▶ Defrosting: completely automatic, thermostat controlled. The condensate water is automatically channeled into an heated tray, located in the motor compartment, for the automatic evaporation of the condensate water
- ▶ Plug : Schuko type
- ▶ Breakers : 2 glass cartridge fuses with a rating of 10A, at protection of the appliance
- ▶ Noise level (dB(A)) : ≤ 54
- ▶ Safety functions: Visual and acoustic alarm signalling (with automatic resetting) for high and low temperature with limits programmable from the user, door ajar, delayed to allow the standard operations, power failure, anti-freezing evaporator, sensors failure. NO/NC contact to remote the
- ▶ alarm signals
- ▶ Optional:
 - ▶ Extra wire shelf
 - ▶ Stainless steel drawer
 - ▶ Plastic partitions for drawers
 - ▶ Front top for drawers
 - ▶ Kit of castors
 - ▶ Safety door lock with key
 - ▶ Temperature chart recorder
 - ▶ Electronic temperature printer ▶ Internal electrical



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Application

Labocon Upright Freezer Double Door LUFD-25-200 Series are suitable for storage of number of samples like plasma and test samples to biologicals, storage of life-saving and frozen blood supplies and vaccines, enzymes for genetic research, temperature sensitive materials, reagents and other media.

Specification

Model	LUFD-25-201	LUFD-25-202	LUFD-25-203	LUFD-25-204
Capacity (L)	925 L	1160 L	1365 L	2100 L
Temp. range	adjustable between -5°C to -20°C/25°C			
Shelves	6	6	6	9
Shelf loading capability (Kg)	30			
Shelf dimensions (W x D mm)	460 x 570			
Temperature Sensor	Ntc type			
Interface	RS 485			
Overall Dimension (W x D x H) (mm)	1200X700X1920	1500X700X2100	1500X820X2100	2250X820X2100
Weight (kg)	210/240 kg	235/265 kg	255/285 kg	375/415 kg
Power supply	220V/50Hz			
Catalog no.	9428215181	9428216181	9428217181	9428219181

UPRIGHT FREEZER DOUBLE DOOR LUFD-30-300 SERIES

Labocon Upright Freezer Double Door LUFD-30-300 Series are ergonomically designed, for safe and economic storage. They achieve outstanding thermal performance, safety, security and provide ultimate protection for many critical samples.

Features

- ▶ Sheet steel epoxy coated white colour inside and outside
- ▶ Internal corners are rounded to make easy any cleaning operation
- ▶ High density (40 Kg/m³) polyurethane insulation
- ▶ Insulation thickness: 50-75 mm
- ▶ Hinged door side-by-side provided with removable magnetic rubber gasket and flush-fitting type door handle. The door is also fitted with a spring loaded automatic closing device for openings inferior then 90° and special door switches that stop the internal ventilation at the door opening and light the internal lighting at every opening
- ▶ 6 (3 for each door) storage open wire shelves realized in sheet steel with a strong plastic coating
- ▶ Internal lighting: 2 bulb mounted in the bottom part of the control panel with automatic activation at every door opening through a special switch
- ▶ Control panel: microprocessor operating with soft-touchpads and LCD display. The main functions of the control panel are :
 - ▶ Digital temperature adjusting and display with an accuracy of 0.5°C
 - ▶ Keyboard password protected with automatic locking
 - ▶ Back-up battery, with automatic recharging, granting till 48 hours autonomy for the control panel functioning in case of power failure
 - ▶ Muting facilities for the acoustic alarms
 - ▶ Test facilities for both battery charging status and alarm limits
 - ▶ Alarms memory (not deletable) for the last 30 alarm conditions,
 - ▶ Icon based menu
 - ▶ Real-time graphical temperature chart

- ▶ Data-logging function through USB port with direct download of Excel file)
- ▶ GSM/GPRS telephone dialer
- ▶ Events memory with the possibility of checking from the display, defrostings, door openings, relays status, etc.
- ▶ Pt1000 sensors for a better accuracy of the temperature control
- ▶ Internal ventilation setting
- ▶ Cooling unit mounted at the top with a condensing unit compounded by a hermetic compressor and air cooled condenser
- ▶ Refrigeration: forced-air circulation
- ▶ Refrigerant : CFC-free
- ▶ Defrosting: completely automatic, thermostat controlled. The condensate water is automatically channelled into an heated tray, located in the motor compartment, for the automatic evaporation of the condensate water
- ▶ Plug : Schuko type
- ▶ Breakers : 2 glass cartridge fuses with a rating of 10A, at protection of the appliance
- ▶ Noise level (dB(A)) : ≤ 58
- ▶ Safety functions: Visual and acoustic alarm signaling (with automatic resetting) for high and low temperature with limits programmable from the user, door ajar, delayed to allow the standard operations, power failure, anti-freezing evaporator, sensors failure. NO/NC contact to remote the alarm signals
- ▶ Optional:
 - ▶ Extra wire shelf
 - ▶ Stainless steel drawer
 - ▶ Plastic partitions for drawers
 - ▶ Front top for drawers
 - ▶ Kit of castors
 - ▶ Safety door lock with key
 - ▶ Temperature chart recorder
 - ▶ Electronic temperature printer
 - ▶ Data logger function with USB port
 - ▶ Ballasted sensor for simulation of product temperature alarm
 - ▶ Different voltage



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Application

Labocon Upright Freezer Double Door LUFD-30-300 Series are suitable for storage of number of samples like plasma and test samples to biologicals, storage of life-saving and frozen blood supplies and vaccines, enzymes for genetic research, temperature sensitive materials, reagents and other media.

Specification

Model	LUFD-30-301	LUFD-30-302	LUFD-30-303
Capacity (L)	925 L	1160 L	1365 L
Temp. range	adjustable between -15°C / -30°C		
Shelves	6		
Shelf loading capability (Kg)	30		
Shelf dimensions (W x D mm)	460 x 57		
Temperature Sensor	0		
Interface	Pt1000		
Overall Dimension (W x D x H) (mm)	1200X740X1920	1500X740X2100	1500X860X2100
Weight (kg)	220/250 kg	250/280 kg	270/300 kg
Power supply	220V/50Hz		
Catalog no.	9428220181	9428221181	9428222181

UPRIGHT FREEZER DOUBLE DOOR LUFD-40-400 SERIES

Labocon Upright Freezer Double Door LUFD-40-400 Series are ergonomically designed, for safe and economic storage. They achieve outstanding thermal performance, safety, security and provide ultimate protection for many critical samples.

Features

- ▶ Exterior made of painted steel board and interior of high quality stainless steel
- ▶ Double sealing door with lock and 2 units door handle
- ▶ Upper/down room with 2 units adjustable shelves each, total 6 chambers with inner door
- ▶ LCD display
- ▶ Microprocessor temperature controller
- ▶ Refrigerant: CFC free R507
- ▶ Danfoss compressor (2 units) and EBM fan motor
- ▶ Unique refrigeration circulation technology
- ▶ 4 units Casters for easy handling
- ▶ Password protected configuration page
- ▶ Safety functions: audio/ visual alarm function for high or low temperature and system failure

Application

Labocon Upright Freezer Double Door LUFD-40-400 Series are suitable for storage of number of samples like plasma and test samples to biologicals, storage of life-saving and frozen blood supplies and vaccines, enzymes for genetic research, temperature sensitive materials, reagents and other media.

Specification

Model	LUFD-40-401	LUFD-40-402
Capacity (L)	208 L	525 L
Temp. range	-25°C to -40°C	-10°C to -40°C
Overall Dimension (W x D x H) (mm)	623x604x1715	880x855x1912
Weight (kg)	90/95 kg	-
Power supply	220V/50Hz	
Catalog no.	9428223343	9428224105

UPRIGHT FREEZER DOUBLE DOOR LUFD-86-500 SERIES

Labocon Upright Freezer Double Door LUFD-86-500 Series are ergonomically designed, for safe and economic storage. They achieve outstanding thermal performance, safety, security and provide ultimate protection for many critical samples.

Features

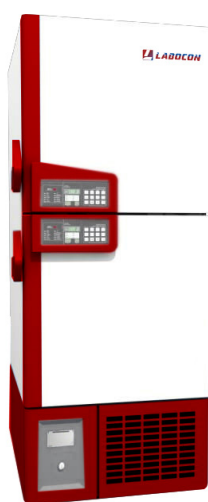
- ▶ Stainless steel interior and painted steel board exterior
- ▶ Front lockable door design with full height handle and vacuum release port
- ▶ Two-times foaming technology with double silicon gasket seal
- ▶ Adjustable 1 stainless steel shelves with inner door for each room
- ▶ Insulation thickness: 130 mm
- ▶ Polycarbonate insulated inner doors
- ▶ Digital temperature display
- ▶ Double microprocessor-based temperature controller
- ▶ Danfoss compressor (2 units) and EBM fan electromotor
- ▶ Double cooling system to support different rooms separately and independently
- ▶ Mixed Refrigerant: CFC Free R134a, R404a, R23, R410A, N2
- ▶ Temperature printer which record 7 days data
- ▶ 72 hours battery backup for printer and controller display
- ▶ Keyboard lock and password protected configuration page
- ▶ 4 units casters for easy handling
- ▶ Safety functions: audible and visual alarm for high or low temperature, power failure, low battery, door open, filter blocking, system failure
- ▶ Optional: Chart recorder, CO2 back up system, storage racks/boxes, remote alarm system

Application

Labocon Upright Freezer Double Door LUFD-86-500 Series are suitable for storage of number of samples like plasma and test samples to biologicals, storage of life-saving and frozen blood supplies and vaccines, enzymes for genetic research, temperature sensitive materials, reagents and other media.

Specification

Model	LUFD-86-501
Capacity (L)	508 L
Temp. range	-10°C to -86°C
Overall Dimension (W x D x H) (mm)	1200x882x2011
Weight (kg)	320/340 kg
Power supply	220V/50Hz
Catalog no.	9428225343



LUFD-86 - 501



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