



# M E D I C A L REFRIGERATOR



## MEDICAL REFRIGERATOR LRM-100 SERIES

Labocon Medical Refrigerator LRM-100 Series is specifically designed to provide stable temperatures for research and medical storage. Reliable temperature control, quiet operation, ease of use and ergonomic design are few of the features of our medical refrigerators.

### FEATURES

- ▶ Upright design
- ▶ High-quality structural steel plate exterior
- ▶ Interior made from ABS material for LRM-101 and LRM-102 and stainless steel for LRM-103 and LRM-104
- ▶ Two-layered glass door with lock and heater to prevent ice leak
- ▶ Shelves are made up of high quality steel wire
- ▶ Interior fluorescent lighting
- ▶ Large screen LCD display of temperature with display accuracy of  $\pm 0.1^{\circ}\text{C}$
- ▶ Works within an ambient temperature of  $0^{\circ}\text{C}$  to  $32^{\circ}\text{C}$
- ▶ Refrigerant: CFC free R134a
- ▶ Refrigeration: Forced air circulation system
- ▶ Danfoss compressor and EBM fan motor
- ▶ Defrosting: Automatic
- ▶ Cooling unit: Highly effective air-cooled condenser and fin-type evaporator
- ▶ Microprocessor temperature controller
- ▶ Automatic temperature control
- ▶ 4 casters for easy handling
- ▶ Safety functions: Audible and visual alarm for high or low temperature, door ajar, system failure, power failure, low battery
- ▶ Standard: Temperature printer (Not for LRM-101)
- ▶ Optional
  - Chart recorder
  - Blood storage basket

## APPLICATION

Labocon Medical Refrigerator Series is specialized refrigerating equipment for blood storage, cold storage of pharmaceutical and widely used in hospitals, blood banks and anti epidemic stations.

## SPECIFICATION

Model	LRM-101	LRM-102	LRM-103	LRM-104
Capacity	260 L	300 L	968L	1500 L
Shelves	5	5	8	12
Door	1	1	2	3
Inner Temperature	2°C to 10°C			
Inner Dimension (WxDxH)	445x525x1070 mm	445x530x1265 mm	600x1100x1400 mm	1415x635x1680 mm
Overall Dimension (WxDxH)	590x603x1556 mm	590x603x1728 mm	740x1200x1920 mm	1800 x 748 x 1965 mm
Refrigerant	R134a			
Noise Level	47.8 dB	54.7 dB	47.7 dB	52.5 dB
Power	215 W	215 W	700 W	830 W
Power Supply	220V /50Hz			
Weight (Net/Gross)	75/105 kg	86/110 kg	120/140 kg	230/260 kg
Catalog No.	9182139343	9182140343	9182141343	9182142343

## MEDICAL REFRIGERATOR ADVANCED LRMA-100 SERIES

Labocon Medical Refrigerator Advanced LRMA-100 Series is specifically designed to provide stable temperatures for research and pharmaceutical storage. Reliable temperature control, quiet operation, ease of use and ergonomic design are few of the features of our medical refrigerators.

### FEATURES

- ▶ Sheet steel epoxy coated white colour inside and outside
- ▶ Internal corners are rounded for easy cleaning and internal bottom is tray type to contain spills
- ▶ High density polyurethane insulation
- ▶ Insulation thickness: 75 mm
- ▶ Hinged glass door made of perimetrical aluminum frame and three layers of tempered insulating glass with vacuum among the glass layers. The door is provided with a removable magnetic rubber gasket. The handle is realized in aluminum, integrated in the door profile.
- ▶ Open wire shelf made of sheet steel with a strong plastic coating
- ▶ Control panel: Microprocessor operating with soft-touchpads and LCD display. The main functions of the control panel are :
  - Digital temperature display with an accuracy of 0.5°C
  - Keyboard password protected with automatic locking
  - Back-up battery with automatic recharging
  - Muting facilities for the acoustic alarms
  - Alarms memory not deletable for the last 30 alarm conditions
  - Events memory with the possibility of checking from the display, defrostings, door openings, relays status, etc
  - Internal ventilation setting
  - Icon based menu
  - Real-time graphical temperature chart

- ▶ Cooling unit: Condensing unit compounded by 1 hermetic compressor and a finned air cooled condenser
- ▶ Refrigeration: Forced-air circulation
- ▶ Refrigerant: CFC-free, R404a
- ▶ Defrosting: Completely automatic, thermostat controlled
- ▶ Noise level (dB(A)) :  $\leq 48$
- ▶ Safety functions: Visual and acoustic alarm for high and low temperature, door ajar, power failure, battery discharged, condenser dirty, anti-freezing evaporator, sensors failure
- ▶ Optional:
  - Extra wire shelf
  - Stainless steel drawer
  - Plastic partitions for drawers
  - Front top for drawers
  - Kit of rollers
  - Safety door lock with key
  - Temperature chart recorder
  - Electronic temperature printer
  - Ballasted sensor for simulation of product temperature alarm
  - Cable port with cover
  - Different voltage
  - Data-logging function through USB port with direct download of Excel file
  - GSM/GPRS telephone dialer

## APPLICATION

Labocon Medical Refrigerator Advanced Series is specialized refrigerating equipment for blood storage, cold storage of pharmaceutical and widely used in hospitals, blood banks and anti epidemic stations.

## SPECIFICATION

Model	LRMA-101	LRMA-102	LRMA-103	LRMA-104	LRMA-105
Capacity	130L	270 L	370 L	442 L	534 L
Shelves	2		3		
Door	1				
Inner Temperature	2°C to 15°C				
Innner Dimension (WxDxH)	530x640x940 mm	600x650x1640 mm	600x650x2020 mm	600x700x1920 mm	750x700x2100 mm
Overall Dimension (WxDxH)	650x720x1140 mm	720x730x1780 mm	680x780x2180 mm	700x800x2120 mm	850x980x2240 mm
Refrigerant	R134a	R404a			
Noise Level	≤ 48			≤ 50	
Power	194 W	310 W			1006 W
Power Supply	220-230V /50Hz				
Weight (Net/Gross)	70/80 kg	80/100 kg	100/120 kg	110/130 kg	160/180 kg
Catalog No.	9182180181	9182181181	9182182181	9182183181	9182184181

Model	LRMA-106	LRMA-107	LRMA-108	LRMA-109	LRMA-110
Capacity	625 L	924 L	1167 L	1365 L	2102 L
Shelves	3	6			9
Door	1	2			3
Inner Temperature	2°C to 15°C				
Innner Dimension (WxDxH)	750x820x2100 mm	1200x700x1920 mm	1500x700x2100 mm	1500x820x2100 mm	2250x820x2100 mm
Overall Dimension (WxDxH)	850x980x2240 mm	1280x800x2120 mm	1580x980x2240 mm	1580x980x2240 mm	2320x980x2240 mm
Refrigerant	R404a				
Noise Level	≤ 50	≤ 52			≤ 54
Power	1006 W	1233 W	1744 W		2407 W
Power Supply	220-230V /50Hz				
Weight (Net/Gross)	165/185 kg	210/240 kg	220/250 kg	250/280kg	370/410 kg
Catalog No.	9182185181	9182186181	9182187181	9182188181	9182189181



## MEDICAL REFRIGERATOR ADVANCED LRMA-200 SERIES

Labocon Medical Refrigerator Advanced LRMA-200 Series is specifically designed to provide stable temperatures for research and pharmaceutical storage. Reliable temperature control, quiet operation, ease of use and ergonomic design are few of the features of our medical refrigerators.

### FEATURES

- ▶ Sheet steel epoxy coated white colour inside and outside
- ▶ Internal corners are rounded for easy cleaning and internal bottom is tray type to contain spills
- ▶ High density polyurethane insulation
- ▶ Insulation thickness: 40-75 mm
- ▶ Hinged glass door made of perimetrical aluminium frame. The door is provided with a removable magnetic rubber gasket. The handle is flush-fitting type to avoid increase in size of refrigerator
- ▶ Open wire shelf made of sheet steel with a strong plastic coating
- ▶ Control panel: Microprocessor operating with soft-touchpads and LCD display. The main functions of the control panel are:
  - Digital temperature display with an accuracy of 0.5°C
  - Keyboard password protected with automatic locking
  - Back-up battery with automatic recharging
  - Muting facilities for the acoustic alarms
  - Alarms memory not deletable for the last 30 alarm conditions
  - Events memory with the possibility of checking from the display, defrostings, door openings, relays status, etc
  - Internal ventilation setting
  - Icon based menu
  - Real-time graphical temperature chart



- ▶ Cooling unit: Condensing unit compounded by 1 hermetic compressor and a finned air cooled condenser
- ▶ Refrigeration: Forced-air circulation
- ▶ Refrigerant: CFC-free, R404a
- ▶ Defrosting: Completely automatic, thermostat controlled
- ▶ Noise level (dB(A)) :  $\leq 50$
- ▶ Safety functions: Visual and acoustic alarm for high and low temperature, door ajar, power failure, battery discharged, condenser dirty, anti-freezing evaporator, sensors failure
- ▶ Optional:
  - Extra wire shelf
  - Stainless steel drawer
  - Plastic partitions for drawers
  - Front top for drawers
  - Kit of rollers
  - Safety door lock with key
  - Temperature chart recorder
  - Electronic temperature printer
  - Ballasted sensor for simulation of product temperature alarm
  - Cable port with cover
  - Different voltage
  - Data-logging function through USB port with direct download of Excel file
  - GSM/GPRS telephone dialer

## APPLICATION

Labocon Medical Refrigerator Advanced Series is specialized refrigerating equipment for blood storage, cold storage of pharmaceutical and widely used in hospitals, blood banks and anti epidemic stations.

## SPECIFICATION

Model	LRMA-201	LRMA-202	LRMA-203	LRMA-204	LRMA-205
Capacity	130 L	270 L	370 L	442 L	534 L
Shelves	2		3		
Door	1				
Inner Temperature	0°C to 15°C				
Inner Dimension (WxDxH)	530x640x940 mm	600x650x1640 mm	600x600x1920 mm	600x700x1920 mm	750x700x2100 mm
Overall Dimension (WxDxH)	650x720x1140 mm	720x730x1780 mm	700x800x2120 mm	700x800x2120 mm	850x980x2240 mm
Refrigerant	R134a	R404a			
Noise Level	≤ 48 dB		≤ 50 dB		
Power	194 W	310 W			1006 W
Power Supply	220-230V /50Hz				
Weight (Net/Gross)	65/75 kg	75/95 kg	90/110 kg	105/125 kg	155/175 kg
Catalog No.	9182190181	9182191181	9182191181	9182192181	9182193181

Model	LRMA-206	LRMA-207	LRMA-208	LRMA-209	LRMA-210
Capacity	625 L	924 L	1167 L	1365 L	2102 L
Shelves	3	6			9
Door	1	2			3
Inner Temperature	0°C to 15°C				
Inner Dimension (WxDxH)	780x820x2100 mm	1200x700x1920 mm	1500x700x2100 mm	1500x820x2100 mm	2250x820x2100 mm
Overall Dimension (WxDxH)	850x980x2240 mm	1280x800x2120 mm	1580x980x2240 mm	1580x980x2240 mm	2320x980x2240 mm
Refrigerant	R404a				
Noise Level	≤ 50 dB	≤ 52 dB			≤ 54 dB
Power	1006 W	1233 W	1744 W		
Power Supply	220-230V /50Hz				
Weight (Net/Gross)	160/180 kg	200/230 kg	220/250 kg	240/270 kg	355/395 kg
Catalog No.	9182194181	9182195181	9182196181	9182197181	9182198181



LRM-101



LRM-103



LRM-104



LRMA-101



LRMA-102



LRMA-107



LRMA-201



LRMA-202



LRMA-207



LRMA-210



LRMA-401



LRMA-402



## LABOCON SCIENTIFIC LIMITED

18A Melton Road, Leicester LE4 5EA, United Kingdom

 +44 203 3724877 |  [info@labocon.com](mailto:info@labocon.com) |  [www.labocon.com](http://www.labocon.com)