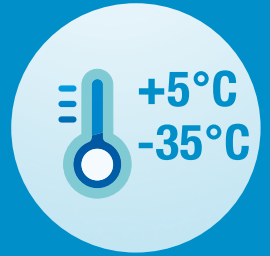


# Built-in / Sub-assembly and special models

## Biomedical Refrigeration | EB / UB





### ML 135 SG

Refrigerator : + 5°C  
 Gross volume : 135 L  
 Net volume : 118 L

### MF120 EB\* / UB\*\*

Deep Freezer : - 35°C  
 Gross volume : 108 L  
 Net volume : 104 L

\* The electronics are housed within an external wall-mounted cubicle  
 \*\* as option



### MP 135 SG

Refrigerator : + 5°C  
 (with glass door)  
 Gross volume : 135 L  
 Net volume : 118 L

## Equipment / Options



**Safe with air diffuser**  
 as option for the models  
 ML / MP 135 SG



**CFC & HCFC free**

ML 135 S<sub>G</sub>MP 135 S<sub>G</sub>

## MF 120



## Technical Data

	Refrigerator +5°C	Refrigerator +5°C with glass door	Deep Freezer -35°C	
			EB	UB
Outer dimensions height	820 mm	820 mm	825 mm	875 mm
Gross volume	135 l	135 l	108 l	
Net volume	118 l	118 l	104 l	
Outer dimensions (W x D)	560 x 545 mm	560 x 545 mm	595 x 587 mm	595 x 600 mm
Inner dimensions (H x W x D)	560 x 485 x 440 mm	560 x 485 x 440 mm	618 x 480 x 417 mm	
Operating temperature / set point (preset)	+5°C	+5°C	-35°C	
Operating temperature / set point (setting range)	+4°C to +15°C	+5°C to +15°C	-20°C to -35°C	
Temperature cold alarm limit (preset)	+2°C	+2°C	-39°C	
Temperature warm alarm limit (preset)	+8°C	+8°C	-32°C	
Electronics	Dixell	Dixell	Danfoss	
Defrosting	Natural	Natural	Manual	
Insulation (casing) polyurethane	38-45 mm	38-45 mm	70-90 mm	
Insulation (door) polyurethane	55 mm	double insulating glazing	55 mm	
Hold over time	70 min (from +5°C to +10°C)	45 min (from +5°C to +10°C)	60 min (from -35°C to -18°C)	
Refrigerant	R600a	R600a	R404a	
Refrigerant quantity	18g	18g	100g	
Climate class (ambient temperature range)	SN / ST (+10°C to +38°C)	SN (+10°C to +32°C)	N (+16°C to +32°C)	
Relative humidity	75%	70%	70%	
Voltage	220-240V / 50Hz (10A)	220-240V / 50Hz (10A)	220-240V / 50Hz (10A)	
Power	75 W	75 W	200 W	
Energy consumption	0.5 kWh/24h	0.7 kWh/24h	2.1 kWh/24h	
Heat emission	15 Kcal/h	23 Kcal/h	190 Kcal/h	
Compressor running time	23%	35%	38%	
Noise level (at 1m height and 1m distance)	40 dB(A)	40 dB(A)	44 dB(A)	
Safety class	I	I	I	
EMC Directive	2004/108/EEC	2004/108/EEC	2004/108/EEC	
Low-voltage Directive	2006/95/EEC	2006/95/EEC	2006/95/EEC	
GMP Clean Room Class	B / ISO 6	B / ISO 6	B / ISO 6	
Material inner body	Polystyrene (PS)	Polystyrene (PS)	Polystyrene (PS)	
Material outer casing and door	Galvanized sheet steel (ST02Z-AZ150)	Galvanized sheet steel (ST02Z-AZ150)	Galvanized sheet steel (ST02Z-AZ150)	
Material storage area	Wire Shelves : Wire DIN172-2, PA11 coated	Wire Shelves : Wire DIN172-2, PA11 coated	Drawers : Polystyrene (PS)	
Color outer casing	White (similar RAL9010)	White (similar RAL9010)	White (similar RAL9010)	
Color contrasts	Blue (similar RAL5002)	Blue (similar RAL5002)	Blue (similar RAL5002)	

### Interior Equipment & Options (Concerning further information on accessories please see our leaflet "Racking & Storage Systems")

	3 Wire Shelves ●	3 Wire Shelves ●	4 Drawers ●
Standard interior equipment			
Wire Shelves, recommended / maximum	3 / 4 ○	3 / 4 ○	-
PC-Drawers, recommended / maximum	3 / 3 ○	3 / 3 ○	-
PC-Kit	○	○	-
Safe with air diffuser	○	○	-
Glass door heating (anti-mist)	-	○	-
Temperature recorder in the form of a circular chart recorder (mounted or to be mounted externally) for 24h or 7 days recording	Measuring / recording range : -10°C to +20°C	Measuring / recording range : -10°C to +20°C	Measuring / recording range : -50°C to +0°C
PT 100 sensor	○	○	○
DCU LAN / DCU WLAN	○ / ○	○ / ○	○ / ○
DMN Software package	○	○	○
Integrated inlet for external sensor (installed by customer)	●	●	●
Door hinge right	●	●	●
Door hinge left	○	○	○
Wooden packaging for ocean transport / export	○	○	○

● standard / ○ available / - not available - All values were measured at +25°C ambient temperature and without load (with inertial mass).  
- With built-in/sub assembly models sufficient ventilation (air circulation) must be ensured!

## DMN – Dometic Monitoring Network

Universal software for collection, long-term recording and visualization of temperature data.

- Complete activity list (password protected).
  - Integrated event and activity history of all appliance components.
  - Graphical visualisation of all temperature curves.
  - Connection to existing or third-party appliances via network technology (LAN, WLAN, WAN).
  - Simultaneous data monitoring and recording.
  - Possibility for specific and individually configurable alarm forwardings, e. g. via email, SMS (with optional GSM module) or via DECT.
  - Simple and intuitive utilization.
  - Essential price advantage compared to a traditional circular chart recorder and its spare parts.
- Economy of time as regular changes of recorder paper, ink and battery is not necessary.

### Your essential advantages :

- ▶ One central database for all connected appliances.
- ▶ Remote inquiry of all data possible, even from different sites simultaneously.



## Discover the world of Dometic Medical Systems

**BIOMEDICAL REFRIGERATION**  
Innovative and reliable refrigeration solutions

**BIOTECH SYSTEMS**  
Secure life sciences solutions

**DMN - Dometic Monitoring Network**  
Monitoring  
Visualizing  
Analysing

**BLOOD SAFETY**  
Global safe blood management

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