Should it be necessary of useful without undermining any model essential features, technical and stylistic characteristics are subject to be changed without manufactures’s previous notice. Pictures don’t necessarily show product in standard version.

Rev. 04 - 09. 2011
MEDICAL REFRIGERATORS

PASSION FOR QUALITY

FRIMED

/blood bank refrigerators / combined refrigerator-freezers / laboratory freezers / laboratory and pharmacy refrigerators / bl
blood bank refrigerators / combined refrigerator-freezers / laboratory freezers / laboratory and pharmacy refrigerators
LABORATORY AND PHARMACY REFRIGERATORS
BLOOD BANK REFRIGERATORS
COMBINED REFRIGERATOR-FREEZERS
LABORATORY FREEZERS

FRIMED

/ blood bank refrigerators / combined refrigerator-freezers / laboratory freezers / laboratory and pharmacy refrigerators /
frimed was established in 1997, as result of twenty year experience of its owners in medical refrigeration field. Constant research and development, along with professional and serious attitude have enabled frimed to design and manufacture highly reliable refrigerators and freezers to be used in hospital, laboratory, biomedical and pharmaceutical fields as well as scientific field in general. In few years our appliances have become well known and are now appreciated and chosen in many countries all over the world.

frimed has always been oriented to a constant improvement of the business process in order to satisfy the client, to involve its staff and to have a relationship of mutual satisfaction with suppliers. The commitment undertaken in this direction has enabled the company to achieve an important goal, the certification of Quality Management System ISO 9001:2008 which is a guarantee of reliability and professional attitude.
Further ISO 14001:2004 certification confirms frimed serious commitment to minimize the environmental impact of procedures, products and services and attests the reliability of the Environmental Management System applied.

In 2010 frimed also achieved the certification of Quality Management System according to ISO 13485:2003 (Medical Devices) and, at the same time, the EC certification according to Directives 93/42/EC for the marking of Blood Bank refrigerators (class IIA) for hospital use.
energy saving and environment protection technology

**LED lighting.** All our cabinets with positive temperature are internally equipped with LED lights. LED lighting is the solution for reducing energy use, because it allows saving energy up to 70% compared with fluorescent lamps. LED lights have high performance, bright colours and provide beneficial environmental impact with longer life and therefore less landfill waste.

**Low emissivity glass.** This technology applied to all models with glass door significantly improves performance of insulation allowing energy saving.

**CFC-free thermo insulation.** Insulation of all cabinets is done by means of ecological CFC-free polyurethane foam. Thickness of 60mm for all refrigerator models and 80,100 mm for freezer models grants highly insulating performance.

**Environment friendly refrigerant gas.** CFC- free R404a gas is used in all compressors of frimed models.

**Energy saving defrost cycle.** In all ventilated refrigerators, defrosting cycles are performed only when necessary.

**Hot gas defrosting** for ventilated freezer AF70B and AF140B with a very short cycle with no need of electric resistance.

**High performance motor fan** granting energy saving thanks to new technology. Besides, frimed mainboard makes condenser fan work only when necessary.
technical highlights

structure
External structure in hot-dip galvanised steel, anti-corrosion treated and white PVC film coated. Stainless steel internal structure.

insulation
Insulation of 60mm, 80mm, 100mm obtained by injection of high density ecological polyurethane CFC-free foam for excellent product preservation and best energy saving.

door
Self-closing door with removable magnetic gasket on four sides for perfect closing. Right hand opening or left hand on request.

lock with key
To use the appliance under supervision.

LED lighting
LED light with automatic switch at door opening. Manual switch on control panel.

shelves
In Scotch-Brite stainless steel. Adjustable in height.

drawers
Sliding drawers in Scotch-Brite stainless steel. See-through frontal side. Optional plexiglas dividers.

refrigeration system
Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser. Internal ventilated or static evaporator. CFC-free refrigerant.

defrosting
Fully automatic defrosting cycle with auto-evaporation of condensed water, or manual defrosting cycle.

temperature chart recorder
Weekly temperature recording system working with 1,5V battery. It is equipped with 52 disks and a pen.

kit wheels with two frontal brakes

port hole
ø 35 mm sidewall port hole for custom probe.
control panel

- Microprocessor control panel with easy-to-read digital display showing inside menu, temperature, set point, date and hour, model of appliance.
- Equipment settings and switching off only by means of password.
- Continuous temperature monitoring with set point and alarms shown on display.
- Visual and acoustic alarms through buzzer sound, general alarm warning light, specific alarm warning light and icon on display. Alarms included: high and low temperature (adjustable threshold), open door, condenser efficiency, damaged probes, power failure, low battery.
- Back up battery to generate alarms in case of power failure.
- Remote contact to connect the appliance to an external alarm.
- GSM alarm to send SMS alarm messages showing date, time, cabinet temperature and type of alarm. Possibility to send SMS message to check correct functioning of cabinet.
- LAN port to connect appliance via internet on PC for monitoring correct functioning.
- USB port to download temperature data and alarms or to reset the appliance.
- Data logger to download temperatures and alarms registered in last 60 days on USB pen drive.
- Memory for last alarms shown on display.
LABORATORY AND
+2°C +10°C
PHARMACY REFRIGERATORS
from 100 to 1400 lt.

SB - FS - PN - AF models

structure
External structure in hot-dip galvanised steel, anti-corrosion treated and white PVC film coated. Stainless steel internal structure.

insulation
60 mm of insulation obtained by injection of high density ecological polyurethane CFC-free foam for excellent product preservation and best energy saving.

door
Self-closing solid or glass door (double insulating - low emissivity glass) with folding magnetic gasket on four sides for perfect closing. Right hand opening or left hand on request. Lock with key.

shelves
In Scotch-Brite stainless steel. Adjustable in height.

light
LED (energy saving up to 70%, ecological) with automatic switch at door opening. Manual switch on control panel.

range temperature
Between +2°C and +10°C. Factory preset to +4°C. Digital adjustable.

refrigeration system
Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser (suitable also for tropical countries). Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator even in case of frequent door openings. Evaporator fan shuts off during door openings. CFC-free refrigerant.

defrosting
Fully automatic defrosting cycle and auto-evaporation of condensed water.

control panel and alarms
Microprocessor control panel with easy-to-read digital display showing inside temperature (described on page 8). It has a PT1000 probe. Audible and visual alarms including: high and low temperature (adjustable threshold), open door, condenser efficiency, damaged probes, power failure (option), low battery (option).

data logger
to download temperatures and alarms registered in last 60 days on USB pen drive.

standard fitting
- Shelves
- Four one-way wheels and two stabilizing adjustable feet
- Power cord with Schüko type plug or British type plug
- Protection fuses
- RFI filter
- Main power switch
- Electronic control panel with alarm system
- Remote contact (dry, volt-free) for alarm
- USB port
- Memory for last alarms

optional accessories
- Sliding drawers in Scotch-Brite stainless steel See-through frontal side. Telescopic ball-bearings
- Internal dividers for drawers
- Smooth shelves with borders
- Kit wheels with frontal brakes
- Weekly temperature chart recorder
- Back up battery
- GSM alarm
- LAN port
- Port hole (Ø 35 mm)
**SB10**
Capacity (LT): 100
Shelves: 2
Drawers (optional): Up to 2
LxDxH (mm): 600x600x850
Kg: 73
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 227
Refrigerant gas: R404a

**SB10V**
Capacity (LT): 100
Shelves: 2
Drawers (optional): Up to 2
LxDxH (mm): 600x600x850
Kg: 76
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 227
Refrigerant gas: R404a

**FS15**
Capacity (LT): 150
Shelves: 2
Drawers (optional): Up to 3
LxDxH (mm): 600x600x1335
Kg: 76
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 345
Refrigerant gas: R404a

**FS15V**
Capacity (LT): 150
Shelves: 2
Drawers (optional): Up to 3
LxDxH (mm): 600x600x1335
Kg: 80
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 345
Refrigerant gas: R404a

**FS20**
Capacity (LT): 200
Shelves: 3
Drawers (optional): Up to 4
LxDxH (mm): 600x600x1535
Kg: 85
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 345
Refrigerant gas: R404a

**FS20V**
Capacity (LT): 200
Shelves: 3
Drawers (optional): Up to 4
LxDxH (mm): 600x600x1535
Kg: 91
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 345
Refrigerant gas: R404a
PHARMACY REFRIGERATORS from 100 to 1400 lt.

<table>
<thead>
<tr>
<th>Dimensions of packaging and shipping weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
</tr>
<tr>
<td>SB10</td>
</tr>
<tr>
<td>SB10V</td>
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<tr>
<td>FS15</td>
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<td>FS15V</td>
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<td>FS20V</td>
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<tr>
<td>FS25V</td>
</tr>
<tr>
<td>FS30</td>
</tr>
<tr>
<td>FS30V</td>
</tr>
</tbody>
</table>

**FS25**
Capacity (LT): 250  
Shelves: 4  
Drawers (optional): Up to 5  
LxDxH (mm): 600x600x1735  
Kg: 93  
Voltage V/Hz: 230V/50 or 60Hz  
Absorption W: 360  
Refrigerant gas: R404a

**FS25V**
Capacity (LT): 250  
Shelves: 4  
Drawers (optional): Up to 5  
LxDxH (mm): 600x600x1735  
Kg: 102  
Voltage V/Hz: 230V/50 or 60Hz  
Absorption W: 360  
Refrigerant gas: R404a

**FS30**
Capacity (LT): 300  
Shelves: 5  
Drawers (optional): Up to 6  
LxDxH (mm): 600x600x1935  
Kg: 104  
Voltage V/Hz: 230V/50 or 60Hz  
Absorption W: 360  
Refrigerant gas: R404a

**FS30V**
Capacity (LT): 300  
Shelves: 5  
Drawers (optional): Up to 6  
LxDxH (mm): 600x600x1935  
Kg: 113  
Voltage V/Hz: 230V/50 or 60Hz  
Absorption W: 360  
Refrigerant gas: R404a
**PN45**
- Capacity (LT): 450
- Shelves: 3
- Drawers (optional): Up to 5
- Lx Dx H (mm): 700x800x1730
- Kg: 121
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 360
- Refrigerant gas: R404a

**PN52**
- Capacity (LT): 520
- Shelves: 4
- Drawers (optional): Up to 6
- Lx Dx H (mm): 700x800x1930
- Kg: 129
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 360
- Refrigerant gas: R404a

**AF70**
- Capacity (LT): 700
- Shelves: 4
- Drawers (optional): Up to 7
- Lx Dx H (mm): 700x800x1990
- Kg: 137
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 415
- Refrigerant gas: R404a

**PN45V**
- Capacity (LT): 450
- Shelves: 3
- Drawers (optional): Up to 5
- Lx Dx H (mm): 700x800x1730
- Kg: 130
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 360
- Refrigerant gas: R404a

**PN52V**
- Capacity (LT): 520
- Shelves: 4
- Drawers (optional): Up to 6
- Lx Dx H (mm): 700x800x1930
- Kg: 138
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 360
- Refrigerant gas: R404a

**AF70V**
- Capacity (LT): 700
- Shelves: 4
- Drawers (optional): Up to 7
- Lx Dx H (mm): 700x800x1990
- Kg: 142
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 415
- Refrigerant gas: R404a
PHARMACY REFRIGERATORS
from 100 to 1400 lt.

AF140
Capacity (LT): 1400
Shelves: 8
Drawers (optional): Up to 14
Lx Dx H (mm): 1440x800x2020
Kg: 164
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 510
Refrigerant gas: R404a

AF140V
Capacity (LT): 1400
Shelves: 8
Drawers (optional): Up to 14
Lx Dx H (mm): 1440x800x2020
Kg: 186
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 510
Refrigerant gas: R404a

LABORATORY AND
PHARMACY REFRIGERATORS
+
+2° to +10°C
from 100 to 1400 lt.

Dimensions of packaging and shipping weight

<table>
<thead>
<tr>
<th>MODEL</th>
<th>carton box: LxDxH (mm)</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN45 - PN45V</td>
<td>860x910x2170</td>
<td>136-145</td>
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<tr>
<td>PN52 - PN52V</td>
<td>860x910x2170</td>
<td>144-153</td>
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<tr>
<td>AF70 - AF70V</td>
<td>880x910x2170</td>
<td>152-167</td>
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<tr>
<td>AF140 - AF140V</td>
<td>1500x860x2170</td>
<td>179-212</td>
</tr>
</tbody>
</table>
SB - FS - PN - AF models

**structure**
External structure in hot-dip galvanised steel, anti-corrosion treated and white PVC film coated. Stainless steel internal structure.

**insulation**
60 mm of insulation obtained by injection of high density ecological polyurethane CFC-free foam for excellent product preservation and best energy saving.

**door**
Self-closing glass door (double insulating - low emissivity glass) with folding magnetic gasket on four sides for perfect closing. Right hand opening or left hand on request. Lock with key.

**drawers**
Sliding drawers in Scotch-Brite stainless steel. Telescopic ball-bearings. See-through frontal side. Plexiglass internal dividers (optional)

**light**
LED (energy saving up to 70%, ecological) with automatic switch at door opening. Manual switch on control panel.

**range temperature**
Between +2°C and +6°C. Factory preset to +4°C.

**refrigeration system**
Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser (suitable also for tropical countries). Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator even in case of frequent door openings. Evaporator fan shuts off during door openings. CFC-free refrigerant.

**defrosting**
Fully automatic defrosting cycle and auto evaporation of condensed water.

**control panel and alarms**
Microprocessor control panel with easy-to-read digital display showing inside temperature (described on page 8). It has a PT1000 probe. Audible and visual alarms including: high and low temperature (adjustable threshold), open door, condenser efficiency, damaged probes, power failure, low battery.

**data logger**
to download temperatures and alarms registered in last 60 days on USB pen drive.

**back up battery**
Self-powered back up battery supplying energy to generate alarms in case of power failure.

**temperature chart recorder**
Weekly temperature recording system working with 1,5V battery. It is equipped with 52 disks and a pen.

**standard fitting**
- Drawers
- Four one-way wheels and two stabilizing adjustable feet
- Power cord with Schüko type plug or British type plug
- Protection fuses
- RFI filter
- Main power switch
- Electronic control panel with alarm system
- Weekly temperature chart recorder
- Back up battery
- Remote contact (dry, volt-free) for alarm
- USB port
- Memory for last alarms

**optional accessories**
- Internal dividers for drawers
- Kit wheels with frontal brakes
- GSM alarm
- LAN port
- Port hole (Ø 35 mm)

Certificate for medical devices according to Directive 93/42/EC (class IIA)
### SB10E
- **Capacity (LT):** 100
- **Drawers:** 2
- **Blood Bags (450 ml/each):** 64
- **LxDxH (mm):** 600x600x850
- **Kg:** 80
- **Voltage V/Hz:** 230V/50 or 60Hz
- **Absorption W:** 227
- **Refrigerant gas:** R404a

### FS15E
- **Capacity (LT):** 150
- **Drawers:** 3
- **Blood Bags (450 ml/each):** 96
- **LxDxH (mm):** 600x600x1335
- **Kg:** 83
- **Voltage V/Hz:** 230V/50 or 60Hz
- **Absorption W:** 345
- **Refrigerant gas:** R404a

### FS20E
- **Capacity (LT):** 200
- **Drawers:** 4
- **Blood Bags (450 ml/each):** 128
- **LxDxH (mm):** 600x600x1535
- **Kg:** 94
- **Voltage V/Hz:** 230V/50 or 60Hz
- **Absorption W:** 345
- **Refrigerant gas:** R404a

### FS25E
- **Capacity (LT):** 250
- **Drawers:** 5
- **Blood Bags (450 ml/each):** 160
- **LxDxH (mm):** 600x600x1735
- **Kg:** 106
- **Voltage V/Hz:** 230V/50 or 60Hz
- **Absorption W:** 360
- **Refrigerant gas:** R404a

### FS30E
- **Capacity (LT):** 300
- **Drawers:** 6
- **Blood Bags (450 ml/each):** 192
- **LxDxH (mm):** 600x600x1935
- **Kg:** 118
- **Voltage V/Hz:** 230V/50 or 60Hz
- **Absorption W:** 360
- **Refrigerant gas:** R404a

### PN45E
- **Capacity (LT):** 450
- **Drawers:** 5
- **Blood Bags (450 ml/each):** 275
- **LxDxH (mm):** 700x800x1730
- **Kg:** 133
- **Voltage V/Hz:** 230V/50 or 60Hz
- **Absorption W:** 360
- **Refrigerant gas:** R404a
**REFRIGERATORS from 100 to 1400 lt.**

**PN52E**
- Capacity (LT): 520
- Drawers: 6
- Blood Bags (450 ml/each): 330
- LxDxH (mm): 700x800x1930
- Kg: 142
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 360
- Refrigerant gas: R404a

**AF70E**
- Capacity (LT): 700
- Drawers: 7
- Blood Bags (450 ml/each): 385
- LxDxH (mm): 700x800x1990
- Kg: 146
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 415
- Refrigerant gas: R404a

**AF140E**
- Capacity (LT): 1400
- Drawers: 14
- Blood Bags (450 ml/each): 770
- LxDxH (mm): 1440x800x2020
- Kg: 194
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 510
- Refrigerant gas: R404a

**Dimensions of packaging and shipping weight**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Carton box: LxDxH (mm)</th>
<th>Kg</th>
</tr>
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<tbody>
<tr>
<td>SB10E</td>
<td>680x680x1050</td>
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<td>FS15E</td>
<td>700x680x1600</td>
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<tr>
<td>PN52E</td>
<td>860x910x2170</td>
<td>155</td>
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<tr>
<td>AF70E</td>
<td>860x910x2170</td>
<td>161</td>
</tr>
<tr>
<td>AF140E</td>
<td>1500x860x2170</td>
<td>220</td>
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</tbody>
</table>

**Dimensions of packaging and shipping weight**

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<td>SB10E</td>
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</tr>
<tr>
<td>AF140E</td>
<td>1500x860x2170</td>
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</tr>
</tbody>
</table>
COMBINED
+2°+10°/-10°-25°
AF - FC models

structure
External structure in hot-dip galvanised steel, anti-corrosion treated and white PVC film coated. Stainless steel internal structure.

insulation
60 mm of insulation obtained by injection of high density ecological polyurethane CFC-free foam for excellent product preservation and best energy saving.

doors
Refrigerator compartment with self-closing solid or glass (double insulating, low emissivity) door and freezer compartment with self-closing solid door. Folding magnetic gasket on four sides for perfect closing.
Right hand opening or left hand on request. Lock with key.

shelves/drawers
Shelves adjustable in height in refrigerator compartment.
Stainless steel drawers standard fitted in freezer compartment (shelves on model AF140/2).

light
LED (energy saving up to 70%, ecological) with automatic switch at door opening. Manual switch on control panel.

range temperature
Refrigerator compartment: between +2° and +10°C. Factory preset to +4°C.
Freezer compartment: between -10° and -25°C. Factory preset to -22°C.

dual refrigeration system
Two completely sealed, silent and highly efficient hermetic compressors and two ventilated air condensers (suitable also for tropical countries). Internal ventilated evaporator in refrigerator compartment. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator even in case of frequent door openings. Evaporator fan shuts off during door openings. Static evaporator in freezer compartment. CFC-free refrigerant.

defrosting
Fully automatic defrosting cycle on refrigerator compartment. Manual defrosting on freezer compartment.

control panel and alarms
Two microprocessor control panels with easy-to-read digital display showing inside temperature (described on page 8). It has a PT1000 probe. Audible and visual alarms including: high and low temperature (adjustable threshold), open door, condenser efficiency, damaged probes, power failure (option), low battery (option).

data logger
to download temperatures and alarms registered in last 60 days on USB pen drive.

standard fitting
- Shelves for refrigerator compartment
- Drawers for freezer compartment (shelves on AF140/2)
- Four one-way wheels and two stabilizing adjustable feet
- Power cord with Schüko type plug or British plug
- Protection fuses
- RFI filter
- Main power switch
- Two electronic control panels with alarm system
- Remote contact (dry, volt-free) for alarm
- USB port
- Memory for last alarms

optional accessories
- Sliding drawers in Scotch-Brite stainless steel See-through frontal side. Telescopic ball-bearings
- Internal dividers for drawers
- Kit wheels with frontal brakes
- Smooth shelves with borders
- Weekly temperature chart recorder
- Back up battery
- GSM alarm
- LAN port
- Port hole (Ø 35 mm)
**FC39/2**
Capacity (LT)
Refrigerator: 180
Freezer: 100
**Standard fitting**
Refrigerator: 3 shelves
Freezer: 2 drawers
**Optional**
Refrigerator: up to 3 drawers
LxDxH (mm): 600x600x1935
Kg: 121
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 612
Refrigerant gas: R404a

**AF70/2**
Capacity (LT)
Refrigerator: 350
Freezer: 350
**Standard fitting**
Refrigerator: 2 shelves
Freezer: 3 drawers
**Optional**
Refrigerator: up to 3 drawers
LxDxH (mm): 700x800x1990
Kg: 161
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 850
Refrigerant gas: R404a

**FC39V/2**
Capacity (LT)
Refrigerator: 180
Freezer: 100
**Standard fitting**
Refrigerator: 3 shelves
Freezer: 2 drawers
**Optional**
Refrigerator: up to 3 drawers
LxDxH (mm): 600x600x1935
Kg: 125
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 612
Refrigerant gas: R404a

**AF70V/2**
Capacity (LT)
Refrigerator: 350
Freezer: 350
**Standard fitting**
Refrigerator: 2 shelves
Freezer: 3 drawers
**Optional**
Refrigerator: up to 3 drawers
LxDxH (mm): 700x800x1990
Kg: 168
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 850
Refrigerant gas: R404a
AF140V/2
Capacity (LT)
Refrigerator: 700
Freezer: 700
Standard fitting
Refrigerator: 4 shelves
Freezer: 4 shelves
Optional
Refrigerator: up to 7 drawers
Freezer: up to 7 drawers
LxDxH (mm): 1440x800x2020
Kg: 217
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 1100
Refrigerant gas: R404a

AF140V/2
Capacity (LT)
Refrigerator: 700
Freezer: 700
Standard fitting
Refrigerator: 4 shelves
Freezer: 4 shelves
Optional
Refrigerator: up to 7 drawers
Freezer: up to 7 drawers
LxDxH (mm): 1440x800x2020
Kg: 217
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 1100
Refrigerant gas: R404a
LABORATORY
-25°-30°-40°C

FRIMED
FREEZERS
from 100 to 1400 lt.

SB - AF - CV - CL models

structure
External structure in hot-dip galvanised steel, anti-corrosion treated and white PVC film coated. Stainless steel internal structure.

insulation
Insulation of 60mm (SB - AF series), 80mm (CV series) and 100mm (CL60 series) obtained by injection of high density ecological CFC-free polyurethane foam for excellent product preservation and best energy saving.

door
Self-closing solid door with folding magnetic gasket on four sides for perfect closing. Right hand opening or left hand on request. Lock with key.

shelves/drawers
Drawers in Scotch-Brite stainless steel. Stainless steel shelves for AF series.

range temperature

refrigeration system
Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser. Internal compartment static evaporator (ventilated evaporator for SB - AF series). CFC-free refrigerant.

defrosting

control panel and alarms
Microprocessor control panel with easy-to-read digital display showing inside temperature (described on page 8). It has a PT1000 probe. Audible and visual alarms including: high and low temperature (adjustable threshold), open door, condenser efficiency, damaged probes, power failure (option), low battery (option).

data logger
to download temperatures and alarms registered in last 60 days on USB pen drive.

standard fitting
• Drawers (shelves for AF series)
• Four one-way wheels and two stabilizing adjustable feet
• Power cord with Schüko type plug
• Protection fuses
• RFI filter
• Main power switch
• Electronic control panel with alarm system
• Remote contact (dry, volt-free) for alarm
• USB port
• Memory for last alarms

optional accessories
• Sliding drawers in Scotch-Brite stainless steel, (AF series)
• Internal dividers for drawers
• Kit wheels with front brake
• Weekly temperature chart recorder
• Back up battery
• GSM alarm
• LAN port
• Port hole (Ø 35 mm)
**SB10B (-20°)**
Capacity (LT): 100
Drawers: 2
LxDxH (mm): 600x600x850
Kg: 81
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 227
Refrigerant gas: R404a

**CV3 (-30°)**
Capacity (LT): 160
Drawers: 3
LxDxH (mm): 640x620x1339
Kg: 85
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 415
Refrigerant gas: R507

**CV4 (-30°)**
Capacity (LT): 220
Drawers: 4
LxDxH (mm): 640x620x1539
Kg: 94
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 415
Refrigerant gas: R507

**CV5 (-30°)**
Capacity (LT): 250
Drawers: 5
LxDxH (mm): 640x620x1739
Kg: 103
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 715
Refrigerant gas: R507

**CV6 (-30°)**
Capacity (LT): 320
Drawers: 6
LxDxH (mm): 640x620x1939
Kg: 115
Voltage V/Hz: 230V/50 or 60Hz
Absorption W: 715
Refrigerant gas: R507
LABORATORY FREEZERS
-25°-30°-40°C
from 100 to 1400 lt.

**CL60B (-40°)**
- Capacity (LT): 600
- Drawers: 6
- LxDxH (mm): 780x840x1930
- Kg: 173
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 956
- Refrigerant gas: R507

**AF70B (-25°)**
- Capacity (LT): 700
- Shelves: 4
- Drawers (optional): up to 7
- LxDxH (mm): 700x800x1990
- Kg: 144
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 685
- Refrigerant gas: R404a

**AF140B (-25°)**
- Capacity (LT): 1400
- Shelves: 8
- Drawers (optional): up to 14
- LxDxH (mm): 1440x800x2020
- Kg: 171
- Voltage V/Hz: 230V/50 or 60Hz
- Absorption W: 866
- Refrigerant gas: R404a

### Dimensions of packaging and shipping weight

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LxDxH (mm)</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB10B</td>
<td>680x680x1050</td>
<td>92</td>
</tr>
<tr>
<td>CV3</td>
<td>700x680x1600</td>
<td>96</td>
</tr>
<tr>
<td>CV4</td>
<td>700x680x1800</td>
<td>105</td>
</tr>
<tr>
<td>CV5</td>
<td>700x680x1800</td>
<td>116</td>
</tr>
<tr>
<td>CV6</td>
<td>700x680x2150</td>
<td>128</td>
</tr>
<tr>
<td>CL60B</td>
<td>860x910x2170</td>
<td>157</td>
</tr>
<tr>
<td>AF70B</td>
<td>860x910x2170</td>
<td>186</td>
</tr>
<tr>
<td>AF140B</td>
<td>1500x860x2170</td>
<td>197</td>
</tr>
</tbody>
</table>

plasma
freezer

**SB10B**

**CV3**

**CV4**

**CV5**

**CV6**

**CL60B**

**AF70B**

**AF140B**

**AF210B**

**AF360B**

**AF420B**

**AF500B**

**AF600B**

**SB10B**

**CV3**

**CV4**

**CV5**

**CV6**

**CL60B**

**AF70B**

**AF140B**

**AF210B**

**AF360B**

**AF420B**

**AF500B**

**AF600B**