

## LFF SERIES

- White or stainless steel exterior
- Castors
- Stainless steel interior
- Door key lock
- Automatic door closing
- Reversible door
- Air forced cooling
- Adjustable shelves

## ALL STANDARD FEATURES

- Micro processor controller with digital display
- Approx. 72 hours battery back up for alarms, loggings and temperature display in case of power cut
- Prepared for GSM alarm
- Prepared for connection of 2 additional probes
- Auto cycle in case of probe failure
- Ambient temperature display
- Direct download of logged data on USB memory stick
- Direct upload of new software via USB memory stick
- 3-level password protected
- Battery level indication
- Display text available in different languages
- Temperature graph
- Integrated data logger
- RS485/RS232 interface
- Integrated memory for 20 years
- Visual and acoustic alarm
- Adjustable high/low temperature alarm
- Power failure alarm
- Probe failure alarm
- Instrument failure alarm
- Open door alarm
- Contact for remote alarm
- Shows all alarms

MODEL	LFF 660
Item code	DAI 0265
Dimensions exterior WxDxH (mm)	720x860x1997
Net capacity (L)	290 / 290
Temperature range (°C)	+1 / +10 & -30 / -10
Power supply (V)	230
Frequency (Hz)	50/60

**+1 / +10 °C**  
**-30 / -10 °C**

# LFF 660

*Laboratory fridge / freezer*



**Battery backup - 72 hours**

**Integrated data logger with memory**

**RS485/RS232 interface**

**On/off protection**

The LFF fridge/freezer range offers flexible storage at both positive and negative temperatures. The range is equipped with our advanced controller where all necessary features always come as standard and which is designed with focus on details and user friendliness. A new option is our LFFG models which features a glass door on the fridge section for a quick overview of the stored items.

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The art of simplicity®

# Technical specifications

Item code	DAI 0265
Dimensions exterior WxDxH (mm)	720x860x1997
Capacity (L)	290 / 290
Dimensions interior WxDxH (mm)	2x(600x685x700)
Insulation (mm)	60
Temperature range (°C)	+1 / +10 & -30 / -10
Max. ambient temperature (°C)	32
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	2,95 / 9,2
Current (A)	1,6 / 4,7
Weight (KG)	163
Shipping weight (KG)	193
Shipping weight with wooden packaging (KG)	-
Shipping dimensions WxDxH (mm)	990x840x2200
Shipping dimensions with wooden packaging WxDxH (mm)	-
No. of compressors	2
Visual / acoustic alarm	Yes
Power failure alarm	Yes
Adjustable high/low temperature alarm	Yes
Open door alarm	Yes
Probe failure alarm	Yes
Alarm display as text - not codes	Yes
Contact for remote alarm	Yes
Prepared for GSM alarm module	Yes
Approx. hrs of battery back up for alarms and temperature display in the event of power cut	72 hours
Porthole for installation of PT100/CO <sub>2</sub> back up	No
Digital display	Yes
Data logger	Yes
RS 232 interface	Yes
RS 485 interface	Yes
USB up/down load	Yes
Defrost manual / auto	Yes
Castors	Yes
Chart recorder	Optional
Shelves (pcs)	4
Adjustable shelves	4
Baskets (pcs)	No
Sub lids / doors (pcs)	No
Lighting	No
Lock	Yes
Inner liner material	Stainless steel
Cabinet material	Varnished steel
Colour (exterior)	White / stainless steel
Refrigerant	R134a / R404a

## Optional



**1** The GSM alarm module sends a SMS message to one or several coded telephone numbers in case the temperature exceeds a fixed range.



**2** SVS voltage stabilizers for excellent output voltage stability in case the voltage rises or drops.

\* Optional, please contact us

We reserve the right to change specifications without notice and subject to errors.



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