
Scientific and Healthcare 2023

Next-level cooling solutions

LIEBHERR

Refrigeration and freezing



The advantages at a glance

Integrated data logger

The integrated logger records the temperature profile, alarm history and service information for up to five years. The data can be read out directly from the appliance via the USB interface.

Min./max. temperature log

The min./max. temperature log stores the minimum and maximum interior temperatures and shows on the display whether the storage temperatures were within the tolerance limits.

+2 °C SafetyDevice

If the temperature falls below +2 °C due to a malfunction, the SafetyDevice takes control, stabilising the temperature, activating the alarm and protecting the contents from freezing.

Power failure alarm

If a malfunction occurs, an integrated battery provides a visual and audible alarm and takes over the power supply. As soon as the power is restored, the time of failure and the maximum temperature reached are displayed.

LightAlarm

In the event of an uncontrolled temperature rise or other problems, the interior light of the appliance starts flashing. This visually shows when action is needed.

Feedthrough for external sensors

An integrated opening allows a separate sensor to be connected for additional temperature monitoring without having to drill holes or break the door seal.



SRFvh 4011 Perfection

Mechanical lock

Liebherr professional appliances are equipped with a mechanical lock and two keys. This ensures that unauthorised persons cannot access your valuable and sensitive stored goods.



SmartMonitoring

The cloud-based digital solution continuously monitors and documents temperatures and alerts you immediately via email, text message or phone if any deviations occur.

Integrated WiFi/LAN interface

The integrated WiFi/LAN interface enables you to easily connect your appliances with Liebherr SmartMonitoring or existing local systems.

Easy-to-clean interior

The inner liner made of fully recyclable, robust and odourless polystyrene is manufactured in one piece without joints. This makes it quick and easy to clean the large, rounded corners.

Replaceable door seal

Save time and money: the insertable Liebherr door seals are easy to change. If a seal is damaged, you can replace it yourself without any tools. Contact Liebherr Customer Service to purchase replacements.



Self-closing door < 90°

To make loading, unloading and cleaning easier, the appliance door stays open if opened by more than 90°. If the opening angle is less than 90°, it closes automatically for safety.



Quality right down to the smallest detail



Antimicrobial handle with opening mechanism
The smooth-turning handle contains special antimicrobial substances that make it particularly hygienic. Regular and time-consuming disinfection is not necessary.



Grid shelf with pull-out stop
Corrosion-free grid shelves made of coated steel guarantee a secure hold, constant air circulation and good temperature stability. A pull-out stop prevents them from accidentally sliding out.



Ultra-efficient
Rising electricity prices are increasing the demands on the efficiency of refrigerators and freezers. From the compressor to the seal, to the lighting and electronics, Liebherr fully utilises the savings potential of every component. The result is impressive – especially in terms of total operating costs.

Ultra Efficient

Research and laboratory



Vertical LED lighting

Vertical LED lighting provides optimal illumination of the interior over the entire height of the appliance. Thanks to the perfect overview on all levels, the required substance is immediately at hand, the door can be quickly closed again, and the interior temperature remains stable. This saves you time looking for things – and above all energy costs.



±3 °C temperature stability
Temperature fluctuations must be minimal to ensure that the quality of sensitive substances is preserved. Liebherr Laboratory refrigerators have an impressive maximum deviation of just ±3 °C from the set temperature. This not only maintains the storage climate, but also the value of your stored goods.



DIN 13277 compliance
Laboratory and pharmacy refrigerators from Liebherr meet all the necessary equipment and performance criteria to fully comply with DIN 13277. DIN 13277 defines the requirements and test specifications for refrigerators and freezers used in laboratories and for storing medicinal products.



IEC 61010-2-011 standard
Liebherr refrigerators and freezers specially developed for storing temperature-sensitive products are CE safety-compliant. This ensures that all mechanical and electrical requirements for injury-free operation are met – and that you and your team are always safe.

Laboratory refrigerators with plastic inner liner



SRFVh 5511
Perfection



Gross / net capacity	588 / 440 litre
Exterior dimensions in mm (w / d / h)	747 / 769 / 1793
Interior dimensions in mm (w / d / h)	606 / 536 / 1460
Energy consumption in 365 days ¹	360 kWh
Ambient temperature range	+10 °C to +35 °C
Heat output	475 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3 °C to +16 °C
Gradient ² / max. fluctuation ³	3.3 °C / 2.0 °C
External cabinet finish	steel / white
Door material	glass
Internal liner material	commercial grade moulded polystyrol
Type of control	2.4" touch & swipe colour display
Power failure alarm	immediately upon power failure for at least 12 hrs
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type	SmartModule
Connectivity solution	Integrated, removable
Interface	WiFi/LAN
Data logger	integrated, USB interface
Interior light	Vertical LED light strip recessed in left wall with separate switch
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	606 / 536
Shelf loading / device	60 kg / 300 kg
Castors	castors with brake at the front, fixed castors at the rear
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
DIN 13277	yes
Type of lock / Door hinges	mechanical / right, reversible on site
Gross / net weight	111 / 98 kg
Accessories	
Shelf, plastic-coated	7113310
Base grid	7113314
Glass shelf	9291929
Scanner rail	7435210
Castors Ø 80 mm	9086926
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request



SRFVh 5501
Perfection



Gross / net capacity	558 / 441 litre
Exterior dimensions in mm (w / d / h)	747 / 769 / 1793
Interior dimensions in mm (w / d / h)	606 / 536 / 1460
Energy consumption in 365 days ¹	171 kWh
Ambient temperature range	+10 °C to +35 °C
Heat output	246 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3 °C to +16 °C
Gradient ² / max. fluctuation ³	2.2 °C / 1.7 °C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	2.4" touch & swipe colour display
Power failure alarm	immediately upon power failure for at least 12 hrs
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type	SmartModule
Connectivity solution	Integrated, removable
Interface	WiFi/LAN
Data logger	integrated, USB interface
Interior light	LED lighting column, left
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	606 / 536
Shelf loading / device	60 kg / 300 kg
Castors	castors with brake at the front, fixed castors at the rear
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
DIN 13277	yes
Type of lock / Door hinges	mechanical / right, reversible on site
Gross / net weight	94 / 80 kg
Accessories	
Shelf, plastic-coated	7113310
Base grid	7113314
Glass shelf	9291929
Scanner rail	7435210
Castors Ø 80 mm	9086926
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request

¹ Measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers.

Laboratory refrigerators with plastic inner liner



SRFVh 4011
Perfection



Gross / net capacity	420 / 297 litre
Exterior dimensions in mm (w / d / h)	597 / 654 / 1884
Interior dimensions in mm (w / d / h)	460 / 423 / 1660
Energy consumption in 365 days ¹	389 kWh
Ambient temperature range	+10 °C to +35 °C
Heat output	463 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3 °C to +16 °C
Gradient ² / max. fluctuation ³	3.0 °C / 2.4 °C
External cabinet finish	steel / white
Door material	glass
Internal liner material	commercial grade moulded polystyrol
Type of control	2.4" touch & swipe colour display
Power failure alarm	immediately upon power failure for at least 12 hrs
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type	SmartModule
Connectivity solution	Integrated, removable
Interface	WiFi/LAN
Data logger	integrated, USB interface
Interior light	Vertical LED light strip recessed in left wall with separate switch
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	460 / 423
Shelf loading / device	45 kg / 225 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
DIN 13277	yes
Type of lock / Door hinges	mechanical / right, reversible on site
Gross / net weight	86 / 80 kg
Accessories	
Shelf, plastic-coated	7113308
Base grid	7113312
Glass shelf	9293493
Perforated metal shelf	9029022
Scanner rail	7435208
Castors Ø 80 mm / Ø 100 mm	
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request

² Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty, throughout the duration.

³ Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.



SRFVh 4001
Perfection



Gross / net capacity	394 / 298 litre
Exterior dimensions in mm (w / d / h)	597 / 654 / 1884
Interior dimensions in mm (w / d / h)	460 / 423 / 1660
Energy consumption in 365 days ¹	172 kWh
Ambient temperature range	+10 °C to +35 °C
Heat output	250 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3 °C to +16 °C
Gradient ² / max. fluctuation ³	2.4 °C / 2.2 °C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	2.4" touch & swipe colour display
Power failure alarm	immediately upon power failure for at least 12 hrs
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type	SmartModule
Connectivity solution	Integrated, removable
Interface	WiFi/LAN
Data logger	integrated, USB interface
Interior light	LED lighting column, left
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	460 / 423
Shelf loading / device	45 kg / 225 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
DIN 13277	yes
Type of lock / Door hinges	mechanical / right, reversible on site
Gross / net weight	71 / 65 kg
Accessories	
Shelf, plastic-coated	7113308
Base grid	7113312
Glass shelf	9293493
Perforated metal shelf	9029022
Scanner rail	7435208
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request

Laboratory refrigerators with plastic inner liner

Laboratory refrigerators with plastic inner liner



SRFvg 5511
Performance



SRFvg 5501
Performance



SRFvg 4011
Performance



SRFvg 4001
Performance



SRFvg 3511
Performance



SRFvg 3501
Performance



Gross / net capacity	588 / 440 litre
Exterior dimensions in mm (w / d / h)	747 / 769 / 1684
Interior dimensions in mm (w / d / h)	606 / 536 / 1442
Energy consumption in 365 days¹	433 kWh
Ambient temperature range	+10°C to +35°C
Heat output	542 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3°C to +16°C
Gradient² / max. fluctuation³	3.8°C / 3.2°C
External cabinet finish	steel / white
Door material	glass
Internal liner material	commercial grade moulded polystyrol
Type of control	monochrome display, touch buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type / Connectivity solution	SmartModule / Retrofittable
Interface	WiFi/LAN (optional)
Interior light	LED ceiling light strip with separate switch
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	606 / 536
Shelf loading / device	60 kg / 300 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	106 / 96 kg
Accessories	
Shelf, plastic-coated	7113310
Base grid	7113314
Glass shelf	9291929
Perforated metal shelf	
Scanner rail	7435210
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Evaporator cover	
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request
SmartModule	6145269

Gross / net capacity	558 / 441 litre
Exterior dimensions in mm (w / d / h)	747 / 769 / 1684
Interior dimensions in mm (w / d / h)	606 / 536 / 1460
Energy consumption in 365 days¹	250 kWh
Ambient temperature range	+10°C to +35°C
Heat output	317 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3°C to +16°C
Gradient² / max. fluctuation³	3.9°C / 3.0°C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	monochrome display, touch buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type / Connectivity solution	SmartModule / Retrofittable
Interface	WiFi/LAN (optional)
Interior light	LED ceiling light strip with separate switch
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	606 / 536
Shelf loading / device	60 kg / 300 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	87 / 80 kg
Accessories	
Shelf, plastic-coated	7113310
Base grid	7113314
Glass shelf	9291929
Perforated metal shelf	
Scanner rail	7435210
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Evaporator cover	9803590
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request
SmartModule	6145269

Gross / net capacity	420 / 297 litre
Exterior dimensions in mm (w / d / h)	597 / 654 / 1884
Interior dimensions in mm (w / d / h)	460 / 423 / 1642
Energy consumption in 365 days¹	431 kWh
Ambient temperature range	+10°C to +35°C
Heat output	542 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3°C to +16°C
Gradient² / max. fluctuation³	5.9°C / 3.4°C
External cabinet finish	steel / white
Door material	glass
Internal liner material	commercial grade moulded polystyrol
Type of control	monochrome display, touch buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type / Connectivity solution	SmartModule / Retrofittable
Interface	WiFi/LAN (optional)
Interior light	LED ceiling light strip with separate switch
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	460 / 423
Shelf loading / device	45 kg / 225 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	89 / 82 kg
Accessories	
Shelf, plastic-coated	7113308
Base grid	7113312
Glass shelf	9293493
Perforated metal shelf	9029022
Scanner rail	7435208
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Evaporator cover	9803588
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request
SmartModule	6145269

Gross / net capacity	394 / 298 litre
Exterior dimensions in mm (w / d / h)	597 / 654 / 1884
Interior dimensions in mm (w / d / h)	460 / 423 / 1660
Energy consumption in 365 days¹	245 kWh
Ambient temperature range	+10°C to +35°C
Heat output	321 kJ/h
Refrigerant	R 600a
Sound power level	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3°C to +16°C
Gradient² / max. fluctuation³	4.6°C / 2.2°C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	monochrome display, touch buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type / Connectivity solution	SmartModule / Retrofittable
Interface	WiFi/LAN (optional)
Interior light	LED ceiling light strip with separate switch
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	460 / 423
Shelf loading / device	45 kg / 225 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	71 / 66 kg
Accessories	
Shelf, plastic-coated	7113308
Base grid	7113312
Glass shelf	9293493
Perforated metal shelf	9029022
Scanner rail	7435208
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Evaporator cover	9803588
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request
SmartModule	6145269

Gross / net capacity	367 / 260 litre
Exterior dimensions in mm (w / d / h)	597 / 654 / 1684
Interior dimensions in mm (w / d / h)	460 / 423 / 1442
Energy consumption in 365 days¹	393 kWh
Ambient temperature range	+10°C to +35°C
Heat output	471 kJ/h
Refrigerant	R 600a
Sound power level	48 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3°C to +16°C
Gradient² / max. fluctuation³	3.6°C / 3.2°C
External cabinet finish	steel / white
Door material	glass
Internal liner material	commercial grade moulded polystyrol
Type of control	monochrome display, touch buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type / Connectivity solution	SmartModule / Retrofittable
Interface	WiFi/LAN (optional)
Interior light	LED ceiling light strip with separate switch
Adjustable shelves / Shelf material	4 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	460 / 423
Shelf loading / device	45 kg / 180 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	82 / 76 kg
Accessories	
Shelf, plastic-coated	7113308
Base grid	7113312
Glass shelf	9293493
Perforated metal shelf	9029022
Scanner rail	7435208
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Evaporator cover	
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request
SmartModule	6145269

Gross / net capacity	344 / 261 litre
Exterior dimensions in mm (w / d / h)	597 / 654 / 1684
Interior dimensions in mm (w / d / h)	460 / 423 / 1460
Energy consumption in 365 days¹	226 kWh
Ambient temperature range	+10°C to +35°C
Heat output	288 kJ/h
Refrigerant	R 600a
Sound power level	48 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic
Temperature range	+3°C to +16°C
Gradient² / max. fluctuation³	5.0°C / 3.1°C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	monochrome display, touch buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type / Connectivity solution	SmartModule / Retrofittable
Interface	WiFi/LAN (optional)
Interior light	LED ceiling light strip with separate switch
Adjustable shelves / Shelf material	4 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	460 / 423
Shelf loading / device	45 kg / 180 kg
Handle	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	66 / 60 kg
Accessories	
Shelf, plastic-coated	7113308
Base grid	7113312
Glass shelf	9293493
Perforated metal shelf	9029022
Scanner rail	7435208
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924
Evaporator cover	9803586
Additional lock barrels (up to 5)	on request
Side-by-Side set	on request
SmartModule	6145269

¹ Measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers.

² Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty, throughout the duration.

³ Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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