

Quality right down to the smallest detail



LED front lighting

The LED front lighting provides optimal illumination of the drawers even in dark environments. Thanks to the perfect overview, the desired substance is immediately at hand, the door can be quickly closed again, and the interior temperature remains stable. For low consumption and lower energy costs.



No Frost

NoFrost technology

Liebherr professional laboratory appliances no longer need manual defrosting. Any moisture that occurs is bound by the fan-assisted cooling, and when necessary, defrosting phases remove any remaining moisture particles from of the interior – for convenient, safe, and ice-free storage.



Ultra Efficient

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.



±5 °C temperature stability

Sensitive substances cannot be subjected to large deviations from the set storage temperature. Liebherr freezers guarantee a temperature fluctuation of no more than ±5 °C, so that the valuable goods you store in them are optimally protected and their quality is preserved.



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.



SFFvh 5501
Perfection



SFFsg 5501
Performance



SFFsg 4001
Performance



Gross / net capacity	472 / 257 litre	499 / 394 litre	316 / 242 litre
Exterior dimensions in mm (w / d / h)	747 / 769 / 1793	747 / 769 / 1684	597 / 654 / 1884
Interior dimensions in mm (w / d / h)	603 / 510 / 1118	588 / 523 / 1388	403 / 408 / 1588
Energy consumption in 365 days¹	540 kWh	501 kWh	468 kWh
Ambient temperature range	+10 °C to +35 °C	+10 °C to +35 °C	+10 °C to +35 °C
Refrigerant	R 290	R 290	R 290
Sound power level	55 dB(A)	49 dB(A)	49 dB(A)
Voltage / Connection rating	220 - 240V~ / 2.0 A	220 - 240V~ / 2.0 A	220 - 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic	static / manual	static / manual
Temperature range	-9 °C to -35 °C	-9 °C to -30 °C	-9 °C to -30 °C
Gradient² / max. fluctuation³	5.5 °C / 4.4 °C	6.0 °C / 2.9 °C	5.7 °C / 2.5 °C
External cabinet finish	steel / white	steel / white	steel / white
Door material	steel	steel	steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	2.4" touch & swipe colour display	monochrome display, touch buttons	monochrome display, touch buttons
Power failure alarm	immediately upon power failure for at least 12 hrs	when mains power return	when mains power return
Fault: warning signal	visual and audible	visual and audible	visual and audible
Volt-free alarm contact	yes	yes	yes
Connectivity type / Connectivity solution	SmartModule / Integrated, removable	SmartModule / Retrofittable	SmartModule / Retrofittable
Interface / Data logger	WiFi/LAN / integrated, USB interface	WiFi/LAN (optional) / -	WiFi/LAN (optional) / -
Interior light	LED		
Adjustable shelves / Shelf material	4 / wire shelves plastic-coated	4 / wire shelves plastic-coated	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	603 / 510	588 / 523	403 / 408
Shelf loading / device	60 kg / 300 kg	60 kg / 300 kg	45 kg / 270 kg
Castors	castors with brake at the front, fixed castors at the rear		
Drawers / Number of baskets	6 / 2		
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism
Type of lock / Door hinges	mechanical / right, reversible on site	mechanical / right, reversible on site	mechanical / right, reversible on site
Gross / net weight	114 / 104 kg	94 / 80 kg	81 / 76 kg
Accessories			
Shelf, plastic-coated	7112590		
Glass shelf / Full-depth drawer		9293495 / 9797881	9293499 / -
Short bottom basket / Standard full-depth basket	- / 9141791	9141004 / 9141791	
Castors Ø 80 mm / Ø 100 mm	9086926 / -	9086926 / 9080023	9086926 / 9080023
Adjustable feet, 90 - 120 mm / 150 - 180 mm	9080022 / 9086924	9080022 / 9086924	9080022 / 9086924
Additional lock barrels (up to 5)	on request	on request	on request
Side-by-Side set	on request	on request	on request
Product sensor (PT 1000)	6942678		
SmartModule		6145269	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.