Research and laboratory

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.

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.

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.

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.

+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.

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

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.

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.

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.

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.

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.

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.

SRFvh 4011 Perfection

The equipment details shown depend on the model; the description for the respective model applies.

Quality right down to the smallest detail

Ultra Efficient

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.

±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.

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.

The equipment details shown depend on the model; the description for the respective model applies.

53

SRFvh 5511
Perfection

SRFvh 5501
Perfection

	SRFvh 5511	SRFvh 5501
Gross / net capacity	588 / 440 litre	558 / 441 litre
Exterior dimensions in mm (w / d / h)	747 / 769 / 1793	747 / 769 / 1793
Interior dimensions in mm (w / d / h)	606 / 536 / 1460	606 / 536 / 1460
Energy consumption in 365 days [1]	360 kWh	171 kWh
Ambient temperature range	+10°C to +35°C	+10°C to +35°C
Heat output	475 kJ/h	246 kJ/h
Refrigerant	R 600a	R 600a
Sound power level	49 dB(A)	49 dB(A)
Voltage / Connection rating	220–240V~ / 2.0 A	220–240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic	forced-air / automatic
Temperature range	+3°C to +16°C	+3°C to +16°C
Gradient [2] / max. fluctuation [3]	3.3°C / 2.0°C	2.2°C / 1.7°C
External cabinet finish	steel / white	steel / white
Door material	glass	steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	2.4" touch & swipe colour display	2.4" touch & swipe colour display
Power failure alarm	immediately upon power failure for at least 12 hrs	immediately upon power failure for at least 12 hrs
Fault: warning signal	visual and audible	visual and audible
Volt-free alarm contact	yes	yes
Connectivity type	SmartModule	SmartModule
Connectivity solution	Integrated, removable	Integrated, removable
Interface	WiFi/LAN	WiFi/LAN
Data logger	integrated, USB interface	integrated, USB interface
Interior light	Vertical LED light strip recessed in left wall with separate switch	LED lighting column, left
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	606 / 536	606 / 536
Shelf loading / device	60 kg / 300 kg	60 kg / 300 kg
Castors	castors with brake at the front, fixed castors at the rear	castors with brake at the front, fixed castors at the rear
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm	1 x Ø 10 mm
DIN 13277	yes	yes
Type of lock / Door hinges	mechanical / right, reversible on site	mechanical / right, reversible on site
Gross / net weight	111 / 98 kg	94 / 80 kg
Accessories		
Shelf, plastic-coated	7113310	7113310
Base grid	7113314	7113314
Glass shelf	9291929	9291929
Scanner rail	7435210	7435210
Castors Ø 80 mm	9086926	9086926
Adjustable feet, 90–120 mm / 150–180 mm	9080022 / 9086924	9080022 / 9086924
Additional lock barrels (up to 5)	on request	on request
Side-by-Side set	on request	on request

SRFvh 4011
Perfection

SRFvh 4001
Perfection

	SRFvh 4011	SRFvh 4001
Gross / net capacity	420 / 297 litre	394 / 298 litre
Exterior dimensions in mm (w / d / h)	597 / 654 / 1884	597 / 654 / 1884
Interior dimensions in mm (w / d / h)	460 / 423 / 1660	460 / 423 / 1660
Energy consumption in 365 days [1]	389 kWh	172 kWh
Ambient temperature range	+10°C to +35°C	+10°C to +35°C
Heat output	463 kJ/h	250 kJ/h
Refrigerant	R 600a	R 600a
Sound power level	49 dB(A)	49 dB(A)
Voltage / Connection rating	220–240V~ / 2.0 A	220–240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic	forced-air / automatic
Temperature range	+3°C to +16°C	+3°C to +16°C
Gradient [2] / max. fluctuation [3]	3.0°C / 2.4°C	2.4°C / 2.2°C
External cabinet finish	steel / white	steel / white
Door material	glass	steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	2.4" touch & swipe colour display	2.4" touch & swipe colour display
Power failure alarm	immediately upon power failure for at least 12 hrs	immediately upon power failure for at least 12 hrs
Fault: warning signal	visual and audible	visual and audible
Volt-free alarm contact	yes	yes
Connectivity type	SmartModule	SmartModule
Connectivity solution	Integrated, removable	Integrated, removable
Interface	WiFi/LAN	WiFi/LAN
Data logger	integrated, USB interface	integrated, USB interface
Interior light	Vertical LED light strip recessed in left wall with separate switch	LED lighting column, left
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	460 / 423	460 / 423
Shelf loading / device	45 kg / 225 kg	45 kg / 225 kg
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm	1 x Ø 10 mm
DIN 13277	yes	yes
Type of lock / Door hinges	mechanical / right, reversible on site	mechanical / right, reversible on site
Gross / net weight	86 / 80 kg	71 / 65 kg
Accessories		
Shelf, plastic-coated	7113308	7113308
Base grid	7113312	7113312
Glass shelf	9293493	9293493
Perforated metal shelf	9029022	9029022
Scanner rail	7435208	7435208
Castors Ø 80 mm / Ø 100 mm		9086926 / 9080023
Adjustable feet, 90–120 mm / 150–180 mm	9080022 / 9086924	9080022 / 9086924
Additional lock barrels (up to 5)	on request	on request
Side-by-Side set	on request	on request

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.

	SRFvg 5511 Performance	**SRFvg 5501** Performance	**SRFvg 4011** Performance	**SRFvg 4001** Performance	**SRFvg 3511** Performance	**SRFvg 3501** Performance
Gross / net capacity	588 / 440 litre	558 / 441 litre	420 / 297 litre	394 / 298 litre	367 / 260 litre	344 / 261 litre
Exterior dimensions in mm (w / d / h)	747 / 769 / 1684	747 / 769 / 1684	597 / 654 / 1884	597 / 654 / 1884	597 / 654 / 1684	597 / 654 / 1684
Interior dimensions in mm (w / d / h)	606 / 536 / 1442	606 / 536 / 1460	460 / 423 / 1642	460 / 423 / 1660	460 / 423 / 1442	460 / 423 / 1460
Energy consumption in 365 days [1]	433 kWh	250 kWh	431 kWh	245 kWh	393 kWh	226 kWh
Ambient temperature range	+10 °C to +35 °C	+10 °C to +35 °C	+10 °C to +35 °C	+10 °C to +35 °C	+10 °C to +35 °C	+10 °C to +35 °C
Heat output	542 kJ/h	317 kJ/h	542 kJ/h	321 kJ/h	471 kJ/h	288 kJ/h
Refrigerant	R 600a	R 600a	R 600a	R 600a	R 600a	R 600a
Sound power level	49 dB(A)	49 dB(A)	49 dB(A)	49 dB(A)	48 dB(A)	48 dB(A)
Voltage / Connection rating	220 – 240V~ / 2.0 A	220 – 240V~ / 2.0 A	220 – 240V~ / 2.0 A	220 – 240V~ / 2.0 A	220 – 240V~ / 2.0 A	220 – 240V~ / 2.0 A
Cooling system / Defrost	forced-air / automatic	forced-air / automatic	forced-air / automatic	forced-air / automatic	forced-air / automatic	forced-air / automatic
Temperature range	+3 °C to +16 °C	+3 °C to +16 °C	+3 °C to +16 °C	+3 °C to +16 °C	+3 °C to +16 °C	+3 °C to +16 °C
Gradient [2] / max. fluctuation [3]	3.8 °C / 3.2 °C	3.9 °C / 3.0 °C	5.4 °C / 3.4 °C	4.6 °C / 2.2 °C	3.6 °C / 3.2 °C	5.0 °C / 3.1 °C
External cabinet finish	steel / white	steel / white	steel / white	steel / white	steel / white	steel / white
Door material	glass	steel	glass	steel	glass	steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	monochrome display, touch buttons	monochrome display, touch buttons	monochrome display, touch buttons	monochrome display, touch buttons	monochrome display, touch buttons	monochrome display, touch buttons
Power failure alarm	when mains power return	when mains power return	when mains power return	when mains power return	when mains power return	when mains power return
Fault: warning signal	visual and audible	visual and audible	visual and audible	visual and audible	visual and audible	visual and audible
Volt-free alarm contact	yes	yes	yes	yes	yes	yes
Connectivity type / Connectivity solution	SmartModule / Retrofittable	SmartModule / Retrofittable	SmartModule / Retrofittable	SmartModule / Retrofittable	SmartModule / Retrofittable	SmartModule / Retrofittable
Interface	WiFi/LAN (optional)	WiFi/LAN (optional)	WiFi/LAN (optional)	WiFi/LAN (optional)	WiFi/LAN (optional)	WiFi/LAN (optional)
Interior light	LED ceiling light strip with separate switch		LED ceiling light strip with separate switch		LED ceiling light strip with separate switch	
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated	5 / wire shelves plastic-coated	5 / wire shelves plastic-coated	5 / wire shelves plastic-coated	4 / wire shelves plastic-coated	4 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	606 / 536	606 / 536	460 / 423	460 / 423	460 / 423	460 / 423
Shelf loading / device	60 kg / 300 kg	60 kg / 300 kg	45 kg / 225 kg	45 kg / 225 kg	45 kg / 180 kg	45 kg / 180 kg
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm	1 x Ø 10 mm	1 x Ø 10 mm	1 x Ø 10 mm	1 x Ø 10 mm	1 x Ø 10 mm
Type of lock	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical
Door hinges	right, reversible on site	right, reversible on site	right, reversible on site	right, reversible on site	right, reversible on site	right, reversible on site
Gross / net weight	106 / 96 kg	87 / 80 kg	89 / 82 kg	71 / 66 kg	82 / 76 kg	66 / 60 kg
Accessories						
Shelf, plastic-coated	7113310	7113310	7113308	7113308	7113308	7113308
Base grid	7113314	7113314	7113312	7113312	7113312	7113312
Glass shelf	9291929	9291929	9293493	9293493	9293493	9293493
Perforated metal shelf			9029022	9029022	9029022	9029022
Scanner rail	7435210	7435210	7435208	7435208	7435208	7435208
Castors Ø 80 mm / Ø 100 mm	9086926 / 9080023	9086926 / 9080023		9086926 / 9080023	9086926 / 9080023	9086926 / 9080023
Adjustable feet, 90 – 120 mm / 150 – 180 mm	9080022 / 9086924	9080022 / 9086924	9080022 / 9086924	9080022 / 9086924	9080022 / 9086924	9080022 / 9086924
Evaporator cover		9803590		9803588		9803586
Additional lock barrels (up to 5)	on request	on request	on request	on request	on request	on request
Side-by-Side set	on request	on request	on request	on request	on request	on request
SmartModule	6145269	6145269	6145269	6145269	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.

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

±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

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.
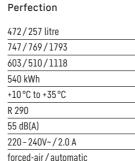
Norm IEC 61010-2-011

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 days [1]	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
Gradient [2] / max. fluctuation [3]	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.

Research and laboratory

The equipment details shown depend on the model; the description for the respective model applies.

Research and laboratory

LKUv 1613
MediLine

LKUv 1610
MediLine

LCv 4010
MediLine

	LKUv 1613	LKUv 1610
Gross / net capacity	152 / 132 litre	142 / 133 litre
Exterior dimensions in mm (w / d / h)	601 / 618 / 820	601 / 618 / 820
Interior dimensions in mm (w / d / h)	440 / 435 / 670	440 / 435 / 670
Energy consumption in 365 days [1]	369 kWh	273 kWh
Ambient temperature range	+10 °C to +35 °C	+10 °C to +35 °C
Refrigerant	R 600a	R 600a
Sound power level	47 dB(A)	47 dB(A)
Voltage / Connection rating	220 – 240V~ / 1.0 A	220 – 240V~ / 1.0 A
Cooling system	forced-air	forced-air
Defrost	automatic	automatic
Temperature range	+3 °C to +16 °C	+3 °C to +16 °C
Gradient [2] / max. fluctuation [3]	5.1 °C / 4.9 °C	4.3 °C / 4.6 °C
External cabinet finish	steel / white	steel / white
Door material	glass door	steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	LED 7-segment display with buttons	LED 7-segment display with buttons
Power failure alarm	when mains power return	when mains power return
Fault: warning signal	visual and audible	visual and audible
Volt-free alarm contact	yes	yes
Connectivity type	SmartCoolingHub	SmartCoolingHub
Connectivity solution	Retrofittable	Retrofittable
Interface	RS485	RS485
Interior light	LED ceiling light strip with separate switch	
Adjustable shelves	3	3
Shelf material	wire shelves plastic-coated	wire shelves plastic-coated
Usable shelf area in mm (w / d)	440 / 420	440 / 420
Shelf loading	45 kg	45 kg
Handle	slimline handle with integrated opening mechanism	slimline handle with integrated opening mechanism
Type of lock	mechanical	mechanical
Door hinges	right, reversible on site	right, reversible on site
Gross / net weight	45 / 43 kg	40 / 37 kg
Accessories		
Shelf, plastic-coated	7113333	7113333
Stacking kit, white	9592697	9592697
Roller bars	9590521	9590521
Evaporator cover, white	9590523	9590523
SmartCoolingHub	6125784	6125784
Additional lock barrels (up to 10)	on request	on request

		LCv 4010
Gross / net capacity	fridge compartment	254 / 240 litre
Gross / net capacity	freezer compartment	107 / 105 litre
Exterior dimensions in mm (w / d / h)		601 / 618 / 2003
Interior dimensions in mm (w / d / h)	fridge compartment	440 / 441 / 1105
Interior dimensions in mm (w / d / h)	freezer compartment	433 / 433 / 597
Energy consumption in 365 days [1]		657 kWh
Ambient temperature range		+10 °C to +35 °C
Refrigerant		R 600a
Sound power level		52 dB(A)
Voltage / Connection rating		220 – 240V~ / 1.5 A
Cooling system	fridge / freezer comp.	forced-air / static
Defrost	fridge / freezer comp.	automatic / manual
Temperature range	fridge / freezer comp.	+3 °C to +16 °C / -9 °C to -30 °C
Gradient [2]	fridge / freezer comp.	5.2 °C / 7.9 °C
Max. fluctuation [3]	fridge / freezer comp.	5.7 °C / 5.5 °C
External cabinet finish		steel / white
Door material		steel
Internal liner material		commercial grade moulded polystyrol
Type of control		LED 7-segment display with buttons
Power failure alarm		when mains power return
Fault: warning signal		visual and audible
Volt-free alarm contact		yes
Connectivity type		SmartCoolingHub
Connectivity solution		Retrofittable
Interface		RS485
Adjustable shelves	fridge compartment	4
Shelf material	fridge / freezer comp.	wire shelves plastic-coated / glass
Usable shelf area in mm (w / d)	fridge compartment	440 / 409
Shelf loading	fridge / freezer comp.	45 kg / 24 kg
Drawers	freezer compartment	3
Handle		slimline handle with integrated opening mechanism
Type of lock		mechanical
Door hinges		right, reversible on site
Gross / net weight		89 / 83 kg
Accessories		
Shelf, plastic-coated, for	fridge compartment	7113333
Evaporator cover, white, for	fridge compartment	9590391
Product temperature sensor		9590407
SmartCoolingHub		6125784
Roller bars		9592756
Additional lock barrels (up to 10)		on request

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.