

Refrigerators and freezers
Food Service



LIEBHERR



Refrigerators and freezers for hotel and catering

Exacting standards are demanded of refrigerators and freezers in the restaurant, hotel and catering business. With a Liebherr appliance, you opt for reliable operation, innovative premium quality – and for top design. Liebherr offers all the advantages that matter in professional applications: high-quality components and maximum net capacity, efficient refrigerating capacity, reliable temperature consistency and very easy cleaning. Most of all, Liebherr appliances stand out due to their low power consumption and maximum efficiency. The appliances are designed for integration in a HACCP concept and comply with the requirements for optimum food hygiene. You can rely on Liebherr professional models – 24 hours a day, 365 days a year.

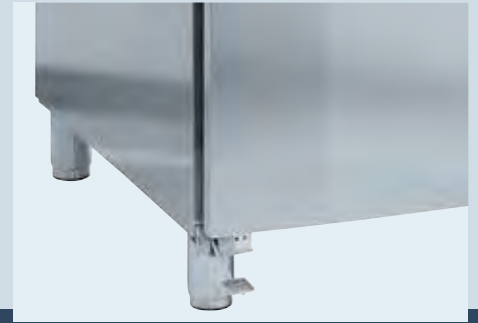




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Good reasons to choose Liebherr



Highest performance

Liebherr catering and hotel refrigerators and freezers provide optimum refrigerating capacity even in extreme climate conditions. The use of ultra-modern components, efficient and environmentally friendly refrigerants as well as precision controls ensure that product quality and freshness is preserved – and the appliances are always efficient.

Low operating costs

Thanks to the precision electronic controller in conjunction with the optimised refrigeration system, Liebherr appliances are highly efficient – with very low energy consumption. This is also promoted by highly effective insulation resulting in outstanding eco-friendliness and low power and operating costs. The high quality guarantees long life and reliable operation of the appliances. You can count on Liebherr – in every way!

Sturdy quality

Liebherr appliances are specially constructed for intensive professional use and feature a very sturdy design – with highest-quality materials and perfect workmanship right down to the smallest detail. The quality of the appliances is ensured by elaborate tests. All electronic and refrigeration components are well balanced to ensure maximum functionality and efficiency – including an attractive design.



Easy cleaning

Hygiene plays a decisive role in the hotel, restaurant and catering business. That is why Liebherr appliances are equipped with moulded inner liners with large radii that are easy to clean with no hidden dirt-traps. Adjustable wire shelves enable individual adaptation to different packaging types or products. Depending on the model, castors or adjustable legs also allow easy cleaning of the floor underneath the appliances.

Design and appearance

Highly efficient technology at its best: during the design process Liebherr attaches great importance to the elegant and high-quality appearance of its appliances. Specially processed materials and perfectly designed structures are the hallmark of the unique Liebherr style. Thanks to their consistent design, Liebherr appliances can be combined perfectly and are always attractive as well.

Easy servicing

Liebherr appliances are designed for easy servicing – with a sophisticated concept and high-quality, durable materials. This ensures that our refrigerators and freezers are virtually maintenance-free and very easy to operate: ideal for professional use.

The advantages at a glance



Hinged detachable unit cover panel provides easy access during servicing or **cleaning**. The one-piece unit cover combined with the membrane control panel is designed with effective and time-saving cleaning in mind.

Integrated pressure relief valve for easy opening of the door.

Demand-responsive hot gas defrost system reduces defrost time to approximately 10 minutes and lowers the energy input.

To **increase** the **net capacity** of the inner liner, functional parts like fans and evaporators are located outside the refrigerator compartment to save space.

Two highly efficient fans reduce the energy consumption and ensure optimum cold air distribution via the Liebherr air ducting system.



The **stainless steel outer housing** made of one-piece side walls with 83 mm insulation is gap-free and as a result, is very hygienic and easy to clean.



The **moulded liner base** features generously radiused corners for easy cleaning and a water drain for optimum hygiene.



Foot pedal for easy opening of the door if you don't have a hand free.



Precision electronic control systems and the high-quality refrigeration components ensure **maximum energy efficiency**. Visual and audible door alarms alert the user to any excessive rise in temperature and loss of cold air.



In conjunction with highly efficient compressors, the **environmentally friendly refrigerant R 290** is highly effective and energy-efficient.

Serial bus interface, volt-free contact and infrared interface enable networking with central monitoring and alarm systems.

The **moulded Gastronorm 2/1 inner liner** in stainless steel combines a number of advantages but is above all easy to clean with no hidden dirt-traps. Also repositioning shelves or GN containers is now quick and easy.



The **door hinges** are **reversible** without any additional components and allow the appliance to be adapted to the installation site.

The **self-closing door** with an easily exchangeable magnetic seal closes reliably and tightly and prevents unnecessary loss of cold air.

The ergonomic, full-length integrated handle ensures particularly convenient opening of the door. All the surfaces with regular hand contact are fully visible and extremely easy to wipe clean.

Height-adjustable feet as standard allow for easy cleaning also underneath the appliance.

Top performance for pros

The two top ProfiPremiumLine and ProfiLine ranges offer everything demanding commercial users expect from modern refrigerators and freezers: highly efficient refrigeration components ensure rapid cooling of food with low energy consumption. The HACCP-

Advantage of hot gas defrosting

The temperature rise period is decreased

30 min

Electric defrosting

10 min

Hot gas defrosting

Energy-efficient hot-gas defrost system.

Defrost less often and faster: the appliances defrost only when required since the controller calculates the defrost cycles based on the compressor run-time. Energy-efficient hot gas reduces the defrost time from approximately 30 to only approximately

10 minutes – with a low rise in temperature in the appliance. Positive for food quality: food items are not exposed to unnecessary temperature fluctuations.



Tough moulded inner liner.

The moulded stainless steel inner liner has integrated ribs as shelf support surfaces. In addition it is corrosion-resistant, hygienic and particularly easy to clean. The shelves have a loading capacity of up to 60 kg – so overloading is almost impossible. Gastronorm containers 2/1 slide directly on the storage ribs. The moulded liner base features generously radiused corners as well as a very practical cleaning drain.



ProfiPremiumLine electronic control system with integrated temperature logging.

The easy to use electronic control system is equipped with default temperature range and humidity control programs. In addition it controls the energy-saving defrost function as required. Appliances can be connected via the RS 485 interface to external temperature logging software. The integrated data logger records and stores the interior temperature for HACCP-compliant documentation at regular intervals. In case of temperature deviations, caused e.g. by a door that is open a long time, the electronic control system triggers a visual and audible door alarm, thus protecting your products. The sturdy membrane keyboard is dirt resistant and easy to clean.



Air ducting system for excellent temperature distribution.

The innovative air ducting system is designed to maintain freshness during food storage: two fans draw the air over the cooling evaporator, then it is directed downwards behind an air deflector. This ensures constant air circulation – and uniform temperature distribution.

compliant electronic control system allows accurate temperature setting. Adjustable shelves and the hygienic moulded liner ensure optimum variability and use of storage space.



Effective insulation.

The appliances have 83 mm insulation in the walls and 60 mm insulation in the door. This supports temperature consistency and ensures constantly low energy consumption. The door and gasket form a very tight-closing design, which prevents the loss of cold air from the interior and eliminates condensation around on the gasket and door frame.

Easily accessible refrigeration components.

The refrigeration components are integrated in the upper area of the unit, which allows easy access and distinctly increases the net capacity of the interior. The unit cover is simply opened upwards for convenient cleaning or for service operations as required. From an opening angle of 45° it can be unhinged completely.

Operating conditions – high climate rating.

Sometimes in the kitchen not only temperaments but also temperatures get very hot. That is why the professional Liebherr appliances are designed for climate rating T (5) with high ambient temperatures up to +43 °C. They always operate properly and efficiently even in extreme conditions.



Self-closing door.

For convenient loading or product removal, the doors have a 90° dwell position. At less than 60° the doors close automatically – and reliably. To keep your hands free during filling, ProfiPremiumLine appliances can be opened by means of a foot pedal (optionally available also for ProfiLine). The door seals can be replaced without any tools and the door hinges can easily be reversed.

Pressure relief valve.

Inside refrigerators and freezers a vacuum is built up by air exchange which causes resistance when the door is reopened. The integrated pressure relief valve compensates this vacuum automatically and immediately – the doors remain easy to open.

Environmentally friendly refrigerant.

Only the ecologically safe refrigerant R 290 is used. In conjunction with highly efficient refrigeration components, Liebherr appliances achieve the highest possible degree of environmental friendliness and energy saving.

Refrigerators GN 2/1 with dynamic cooling and stainless steel inner liner



Refrigerators GN 2/1 with dynamic cooling

Gross capacity
Exterior dimensions in mm (w/d/h)
Interior dimensions in mm (w/d/h)
Energy consumption in 24 h *
General
Cooling system/Defrost
Temperature range
Gastronorm
External cabinet finish
Door/lid material
Internal liner material
Type of control
Temperature display
Interior light
Fault: warning signal
Interface/Volt-free alarm contact
Adjustable shelves/Shelf material
Shelf loading
Height of adjustable legs
Handle
Foot pedal opener
Lock
Self-closing door/Door hinges
Insulation
Gross/net weight
Climate rating
Sound power level
Refrigerant
Connection rating
Frequency/voltage
Accessories
Stainless steel wire shelf
Shelf, plastic-coated
U-shaped trayslide, right/left
Optional castor set
Infrared key incl. software
RS 485/RS 232 adapter, data log software
NTC product temperature probe
Foot pedal opener

GKPv 1470 ProfiLine

1427 litre
1430/830/2150
1240/650/1550
2.315 kWh
dynamic/automatic
+1°C to +15°C
530 x 650 mm
stainless steel
stainless steel
304-grade stainless steel
electronic controller
external digital
visual and audible
–/yes
8/wire shelves plastic-coated
60 kg
120–170 mm
full-length integrated handle
fitted
yes/–
83–60 mm
224/201 kg
T (5)
58 dB(A)
R 290
2.5 A/350 W
50 Hz/220–240V~
Yes
Yes
Yes
Yes
Yes
Yes
Yes

GKPv 6570 ProfiLine

601 litre
700/830/2150
510/650/1550
1.047 kWh
dynamic/automatic
+1°C to +15°C
530 x 650 mm
stainless steel
stainless steel
304-grade stainless steel
electronic controller
external digital
visual and audible
–/yes
4/wire shelves plastic-coated
60 kg
120–170 mm
full-length integrated handle
fitted
yes/right, reversible on site
83–60 mm
133/117 kg
T (5)
58 dB(A)
R 290
2.0 A/250 W
50 Hz/220–240V~
Yes
Yes
Yes
Yes
Yes
Yes
Yes

* Measured with light switched off

Freezers GN 2/1 with dynamic cooling and stainless steel inner liner



Freezers GN 2/1 with dynamic cooling

GGPv 1470 ProfiLine

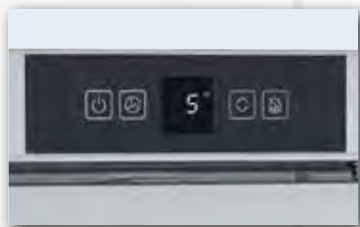


GGPv 6570 ProfiLine



Gross capacity	1427 litre	601 litre
Exterior dimensions in mm (w/d/h)	1430/830/2150	700/830/2150
Interior dimensions in mm (w/d/h)	1240/650/1550	510/650/1550
Energy consumption in 24 h	8.397 kWh	4.513 kWh
General		
Cooling system/Defrost	dynamic/automatic	dynamic/automatic
Temperature range	-10°C to -26°C	-10°C to -35°C
Gastronorm	530 x 650 mm	530 x 650 mm
External cabinet finish	stainless steel	stainless steel
Door/lid material	stainless steel	stainless steel
Internal liner material	304-grade stainless steel	304-grade stainless steel
Type of control	electronic controller	electronic controller
Temperature display	external digital	external digital
Fault: warning signal	visual and audible	visual and audible
Interface/Volt-free alarm contact	–/yes	–/yes
Adjustable shelves	8	4
Shelf material	wire shelves plastic-coated	wire shelves plastic-coated
Shelf loading	60 kg	60 kg
Handle	full-length integrated handle	full-length integrated handle
Foot pedal opener		
Height of adjustable legs	120–170 mm	120–170 mm
Lock	fitted	fitted
Self-closing door	yes	yes
Door hinges		right, reversible on site
Insulation	83–60 mm	83–60 mm
Gross/net weight	229/205 kg	146/130 kg
Climate rating	T (4)	T (5)
Sound power level	60 dB(A)	60 dB(A)
Refrigerant	R 290	R 290
Connection rating	4.5 A/700 W	4.0 A/600 W
Frequency/voltage	50 Hz/220–240V~	50 Hz/220–240V~
Accessories		
Stainless steel wire shelf	Yes	Yes
Shelf, plastic-coated	Yes	Yes
U-shaped trayslide, right/left	Yes	
Optional castor set	Yes	Yes
Infrared key incl. software		
RS 485/RS 232 adapter, data log software		
NTC product temperature probe		
Foot pedal opener	Yes	Yes

The advantages at a glance



Precision and easy-to-use control system

featuring a hygienic membrane panel and high-quality refrigeration components for maximum energy efficiency. Visual and audible door alarms alert the user to any excessive rise in temperature and loss of cold air.

The **natural** and CFC free **refrigerants R 290** and **R 600a** are environmentally-friendly and, in conjunction with highly efficient compressors, are very energy-efficient.



Demand-based technology: highly efficient dynamic cooling system for stable and evenly distributed interior temperatures. The door operated fan cut-out switch minimises the loss of cold air when the door is opened. Thanks to the rear-wall condenser, the system is virtually maintenance-free.



The **moulded inner liner** made of food-safe commercial-grade polystyrol is odourless, very tough, durable and easy to clean for perfect hygiene thanks to the generously radiused corners.



The **plastic-coated wire shelves** allow variable use of the interior and have a loading capacity of up to 60 kg, ensuring safe product storage even in extreme conditions.



The appliances are delivered with **assembled stainless steel adjustable legs**, which saves time and effort on site. The height of the feet can be adjusted individually to enable convenient cleaning also underneath the appliance. Castors are also optionally available.



The **reversible door hinges** allow the appliances to be adapted to an installation site. All the necessary parts are included in the delivery; the door can quickly be reversed on site.



The **sturdy slimline door handle** is designed for intensive use, ergonomic, very easy to grasp and easy to clean.



The drain in the **liner base** enhances and simplifies cleaning the cabinet interior.



Self-closing door. For convenient use, the doors remain open at 90° to allow easy loading or removal of larger quantities. At less than 60° the doors close automatically and reliably. That prevents the loss of cold air and helps to increase energy efficiency.

Freezing

Hot gas defrosting in GGv. The highly efficient system defrosts the appliance in approximately 10 minutes, minimising the temperature rise in the interior during defrosting and saving energy.

30 min
Electric defrosting

10 min
Hot gas defrosting

Quality right down to the smallest detail

These models offer the perfect solution for many applications in the restaurant business. They combine a very large net capacity with the well-known Liebherr qualities: hygienic, sturdy and durable, reliable with optimum refrigerating capacity and many innovative equipment details. The temperature can be set accurately from +1°C up to +15°C, in the GKv 5790 and GKv 5730

Advantage of hot gas defrosting

The temperature rise period is decreased

30 min

Electric defrosting

10 min

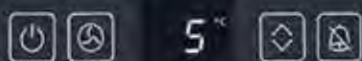
Hot gas defrosting

Energy-efficient hot-gas defrost system in GGv models.

Defrost less often and faster: the appliance defrosts only when required since the controller calculates the defrost cycles based on the compressor run-time. Energy-efficient hot gas reduces the defrost time from approximately 30 to only approximately

10 minutes – with a low rise in temperature in the appliance.

Positive for food quality: food items are not exposed to unnecessary temperature fluctuations.



Easy to use, high precision controller.

The refrigerators and freezers are equipped with a precise and easy to use controller with a digital display. Temperatures can be set exactly to the degree wanted. The unique, one-piece membrane keyboard is extremely easy to clean. In case of temperature deviations, caused e.g. by a door that is open a long time, the controller triggers a visual and audible door alarm, thus protecting the stored products. In the refrigerators, the storage humidity can be adapted to different requirements with the fan mode selection function. The extended temperature range from -2°C to +15°C in the GKv 5730 and GKv 5790 models is ideal for products which must be stored at approximately 0°C or below.



Pre-installed stainless steel legs.

On models supplied with adjustable legs these are already installed at the factory. These provide enough clearance from the floor to allow easy cleaning underneath the appliance. Castors are optionally available.

models also from -2°C up to +15°C. Where space is limited, these models are the ideal solution – thanks to their compact design, maximum net capacity is available on a small footprint.

Freezer baskets.

Static freezer models GG 52 / GG 40 are fitted with baskets as standard. These can be used to organise the freezer contents and they also enhance handling frozen products and allow flexible organisation of the interior.

Large usable net capacity.

Thanks to their special structural design, these refrigerators and freezers have very large net volumes and offer numerous storage options on a small footprint.

Low-maintenance and environmentally friendly.

The GKv, GGv and GG models are equipped with an efficient and readily accessible rear panel condenser, which makes filter replacement or cleaning unnecessary. The good energy efficiency of the appliances is increased by the use of the environmentally friendly refrigerants R 290 und R 600a, which have a low global warming potential and are future-proof.



Low-maintenance, resilient, practical.

The inner liner is seamlessly moulded with large radii, easy to clean and hygienic. Liebherr uses polystyrene in commercial quality for this – a food-safe, extremely sturdy and durable material. The reinforced grid shelves have a high loading capacity of up to 45 kg or 60 kg. Practical in the GKv 57 and 64 appliances: two GN 1/1 containers can be placed next to one another instead of behind one another.

Refrigerators GN 2/1 with dynamic cooling and polystyrol inner liner



Refrigerators GN 2/1 with dynamic cooling	GKv 6460	GKv 5790	GKv 4360
Total gross/net capacity	663/647 litre	583/569 litre	434/406 litre
Exterior dimensions in mm (w/d/h)	750/750/2064	750/750/1864	600/680/1900
Interior dimensions in mm (w/d/h)	650/581/1710	650/581/1510	475/480/1688
Energy consumption in 24 h	1.298 kWh	1.269 kWh	0.708 kWh
General			
Cooling system	dynamic	dynamic	dynamic
Defrost	automatic	automatic	automatic
Temperature range	+1°C to +15°C	-2°C to +15°C	+1°C to +15°C
Gastronorm	650 x 530 mm	650 x 530 mm	
External cabinet finish	stainless steel	stainless steel	stainless steel
Door/lid material	stainless steel	stainless steel	stainless steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	electronic controller	electronic controller	electronic controller
Temperature display	external digital	external digital	external digital
Fault: warning signal	visual and audible	visual and audible	visual and audible
Adjustable shelves	6	5	5
Shelf material	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated
Shelf loading	60 kg	60 kg	45 kg
Height of adjustable legs	150–180 mm	150–180 mm	
Handle	stainless steel slimline door handle	stainless steel slimline door handle	stainless steel slimline door handle
Lock	fitted	fitted	fitted
Self-closing door	yes	yes	yes
Door hinges	right, reversible on site	right, reversible on site	right, reversible on site
Gross/net weight	103/95 kg	95/87 kg	78/72 kg
Climate rating	SN-T	SN-ST	SN-T (5)
Sound power level	52 dB(A)	52 dB(A)	52 dB(A)
Refrigerant	R 600a	R 600a	R 600a
Connection rating	1.3 A/150 W	1.0 A/150 W	1.5 A/100 W
Frequency/voltage	50 Hz/220–240V~	50 Hz/220–240V~	50 Hz/220–240V~
	Yes	Yes	Yes
	Yes	Yes	
	Yes	Yes	
Adjustable legs			Yes
Castor base			Yes

NoFrost freezers with dynamic cooling and polystyrol inner liner



NoFrost freezers with dynamic cooling	GGv 5860		GGv 5060	
Total gross/net capacity	547 / 490 litre		478 / 421 litre	
Exterior dimensions in mm (w/d/h)	750/750/2064		750/750/1864	
Interior dimensions in mm (w/d/h)	610/500/1395		610/500/1225	
Energy consumption in 24 h	2.411 kWh		1.996 kWh	
General				
Cooling system	dynamic		dynamic	
Defrost	automatic		automatic	
Temperature range	-14°C to -28°C		-14°C to -28°C	
Euronorm	600 x 400 mm		600 x 400 mm	
Gastronorm	530 x 325 mm		530 x 325 mm	
External cabinet finish	stainless steel		stainless steel	
Door / lid material	stainless steel		stainless steel	
Internal liner material	commercial grade moulded polystyrol		commercial grade moulded polystyrol	
Type of control	electronic controller		electronic controller	
Temperature display	external digital		external digital	
Fault: warning signal	visual and audible		visual and audible	
Adjustable shelves	5		4	
Shelf material	wire shelves plastic-coated		wire shelves plastic-coated	
Shelf loading	60 kg		60 kg	
Handle	stainless steel slimline door handle		stainless steel slimline door handle	
Height of adjustable legs	150 – 180 mm		150 – 180 mm	
Lock	fitted		fitted	
Self-closing door	yes		yes	
Door hinges	right, reversible on site		right, reversible on site	
Insulation	70 – 70 mm		70 – 70 mm	
Gross / net weight	118 / 110 kg		111 / 103 kg	
Climate rating	SN-T (5)		SN-T (5)	
Sound power level	55 dB(A)		55 dB(A)	
Refrigerant	R 290		R 290	
Connection rating	3.0 A / 400 W		3.0 A / 400 W	
Frequency / voltage	50 Hz / 220 – 240V~		50 Hz / 220 – 240V~	
Accessories				
White-coated wire shelves				
Adjustable wire shelf				
Optional castor set	Yes		Yes	
White-coated wire shelves	Yes		Yes	

The advantages at a glance

Variable temperature range. The temperature can be set between +1 °C and +15 °C, as required.

Dynamic cooling. The high-performance cooling system cools down products rapidly and maintains a uniform temperature throughout the interior. The door-operated fan cut-out switch reduces the loss of cold air – and saves energy.



LED interior light with a separate switch for good product visibility.

LED

The **powder-coated sheet steel housing** is extremely tough, impact-resistant and easy to clean.

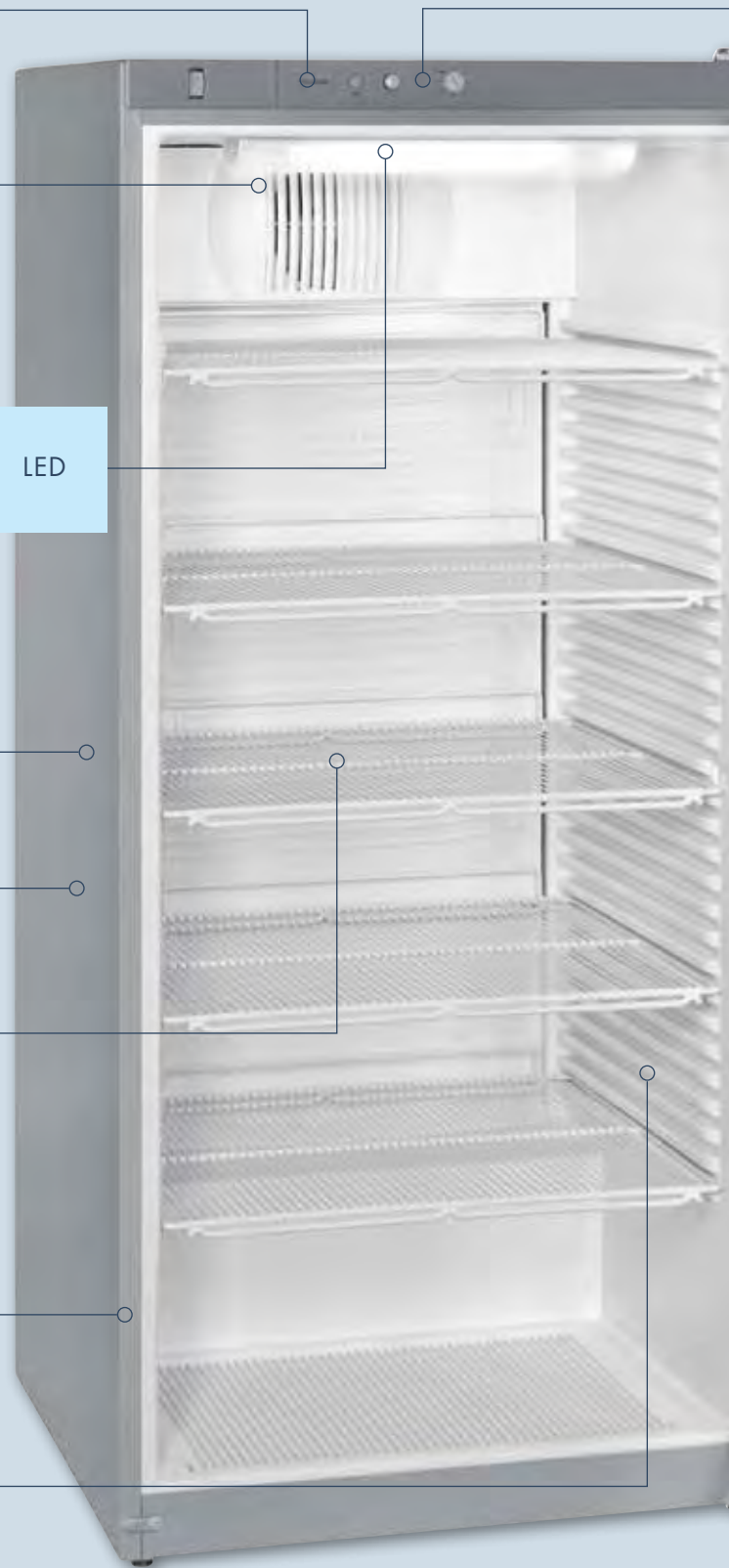
CFC free refrigerant. The natural and CFC free refrigerant R 600a is used which, in conjunction with highly efficient compressors, results in low energy consumption.



The **plastic-coated grid shelves** allow variable use of the interior. They have a loading capacity of up to 60 kg and ensure secure and optimum product storage.

The **extra insulation** promotes low energy consumption and helps to maintain constant temperatures in the interior.

The **moulded inner liner** in tough commercial-grade polystyrol has integrated ribs to hold the storage shelves. The inner liner features a seamless design with large corner radii, is very easy to clean and enables perfect hygiene. The storage shelves allow extremely variable use and the storage of many – and heavy products.



Analogue or digital temperature displays show the actual internal temperature.

The **heavy-duty lock** prevents unauthorised access.



The **reversible door hinges** enable the appliances to be adapted to any individual installation site.



Ergonomic slimline door handle stylish but tough for frequent door opening.



Easy removal of grid shelves at a door opening angle of 90°.



The **high insulation value glass door** in conjunction with the **LED interior light with a separate switch** ensures energy efficiency, provides a good overview and enables fast access to the products.

Self-closing door prevents loss of cold air, supports low energy consumption and helps to protect temperature-sensitive products.



Quality right down to the smallest detail

They are robust, energy-efficient and provide fast and professional cooling: Liebherr universal refrigerators with dynamic cooling are designed for intensive use in ambient temperatures between +10 °C and +43 °C. The dynamic cooling system maintains a constant temperature throughout



Dynamic cooling, hygiene and safety.

The high-performance dynamic cooling system rapidly cools down products and maintains a uniform temperature throughout the interior. The automatic fan cut-out switch minimises the escape of air when the door is open. The temperature is adjustable from +1 °C to +15 °C. The seamless plastic inner liners are designed with large radii and are therefore very easy to clean. Maximum safety is ensured by the self-closing door featuring a magnetic seal and sturdy lock.

SN-T

Reliable at high ambient temperatures.

The appliances are designed for use also at high ambient temperatures ranging from +10 °C to +43 °C. Extra insulation, highly efficient compressors and precision controls ensure reliable operation of the models and safe product storage.

Active
Green

High energy efficiency and low operating costs.

The use of highly efficient LED lighting reduces the total energy consumption of the FKv(s) glass door appliances by up to 30 percent compared to similar models with fluorescent tubes. That noticeably lowers the operating costs – and the higher purchase price of LED lighting pays itself off very quickly.

Environmentally-friendly refrigerant.

The natural refrigerant R 600a is environmentally-friendly and in conjunction with highly efficient compressors, extremely energy-efficient.



Perfect lighting.

The FKv(s) glass door appliances are equipped with innovative LED lighting technology – perfect for attractive production presentation. LEDs last much longer than conventional neon lights. They stand out due to their high stability of light intensity and colour.

the interior – and enables products to be chilled very quickly. Thanks to their extra insulation, these appliances are very stable and especially low on consumption.

Design and functionality.

The elegant SwingLine design featuring side contour edges makes the FKvsl appliances the first choice for customers looking for a stylish appearance. All appliances are fitted with a sturdy lock. The ergonomic slimline door handle ensures stability even if the door is opened frequently. The internal temperature is shown with digital precision via the battery-operated temperature display which is easy to read from the outside.



Side walls with extra insulation, 90° door opening, maintenance-free.

The side walls have extra insulation – that saves energy. The grid shelves can easily be removed at a door opening angle of 90°. The appliances are pleasantly quiet in operation thanks to the use of high-quality components. Their virtually maintenance-free technical concept minimises expenditure of time and money.



Easily replaceable door seals.

The door seals can easily be replaced on glass door appliances without any tools.



Variable use with sturdy grid shelves.

The wire shelves are adjustable in 37 mm increments to allow the maximum use of the storage space. The exceptionally high shelf loads of 45 and 60 kg, depending on the model, mean you get more product inside - without overloading.

Merchandising refrigerators with dynamic cooling



Merchandising Refrigerators

with dynamic cooling

BCDv 4113

Premium

[illegible]

* Measured with light switched off

1 Climate class / Climate Rating: SN +10°C to +32°C N +16°C to +32°C ST +16°C to +38°C T +16°C to +43°C
3 +10°C to +25°C 4 +10°C to +30°C 5 +10°C to +40°C 7 +10°C to +35°C



Merchandising Refrigerators

with dynamic cooling

FKvsl 5413

Premium



FKvsl 4113

Premium



Total gross / net capacity	572/536 litre	388/359 litre
Exterior dimensions in mm (w/d/h)	750/730/1640	600/610/1800
Interior dimensions in mm (w/d/h)	600/560/1452	470/440/1612
Energy consumption in 24 h *	1.364 kWh	1.273 kWh
General		
Cooling system	dynamic	dynamic
Defrost	automatic	automatic
Temperature range	+1°C to +15°C	+1°C to +15°C
External cabinet finish	steel/silver	steel/silver
Door/lid material	glass door	glass door
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	analogue controls	analogue controls
Temperature display	external digital	external digital
Interior light	LED lighting, with separate switch	LED lighting, with separate switch
Adjustable shelves	5	5
Shelf material	wire shelves plastic-coated	wire shelves plastic-coated
Shelf loading	60 kg	45 kg
Handle	ergonomic slimline handle	ergonomic slimline handle
Lock	fitted	fitted
Self-closing door	yes	yes
Door hinges	right, reversible on site	right, reversible on site
Gross/net weight	100/94 kg	85/79 kg
Climate rating	SN-ST	SN-ST
Sound power level	48 dB(A)	43 dB(A)
Refrigerant	R 600a	R 600a
Connection rating	1.5 A/200 W	1.5 A/180 W
Frequency/voltage	50 Hz/220–240V~	50 Hz/220–240V~
Accessories		
Plastic-coated wire shelf	Yes	Yes
Castor base	Yes	
Protection bracket	Yes	Yes
Adjustable legs	Yes	
Scanner rail		Yes
Gravity feed shelf for bottles		Yes

* Measured with light switched off

The advantages at a glance



The **display illuminated by energy-efficient LEDs** attracts attention to the appliance and its contents. The display panel can be customised and switched in parallel with the interior light. In addition, specific branding attracts attention to a brand or products. A wide variety of colour options is available for the housing and door frame.

Customised branding options on the display (FDv), on the housing and door frame attract attention to brands or a company and support sales promotion.

The **NoFrost module** is installed behind the display and enables maximum usage of the interior.



The **high-performance forced-air cooling system** rapidly cools down products and maintains a uniform cooling temperature throughout the interior.



The **tough slimline door handle** is ergonomic, easy to grasp and easy to clean.

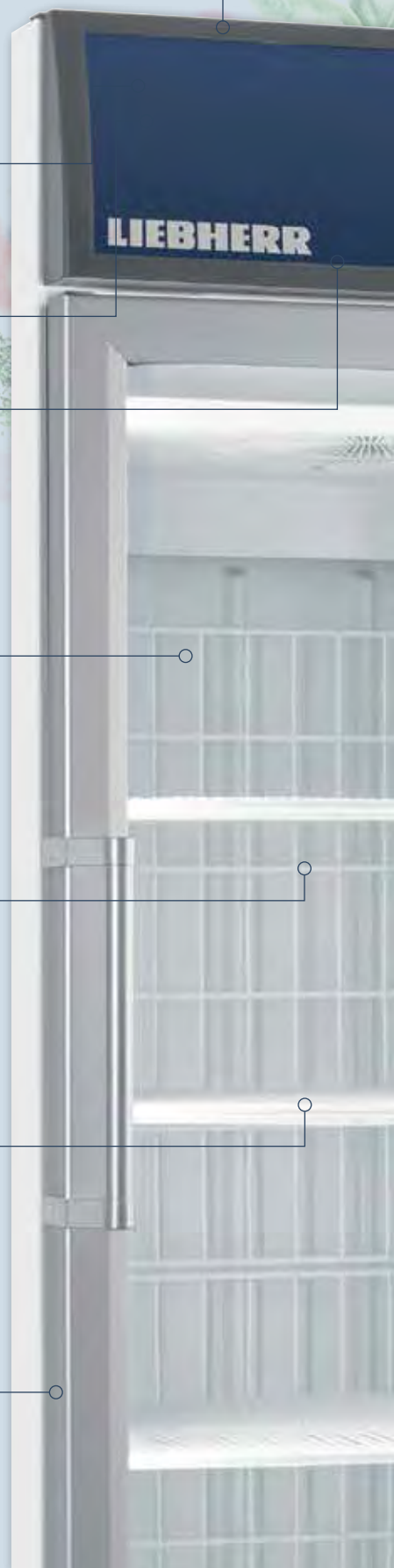


The **heavy-duty wire shelves** are plastic-coated and have a loading capacity of up to 50 kg. Easy removal at a door opening angle of 90°.



The **moulded inner liner** made of food-safe polystyrol is odourless, very sturdy and durable. It enables perfect hygiene thanks to the generously radiused, easy-to-clean corners.

The natural and **environmentally friendly refrigerant R 290** is CFC free and, in conjunction with highly efficient compressors, very energy-efficient.



The **highly efficient hot gas defrost system** reduces defrost time to approx. 10 minutes, which distinctly reduces the temperature rise in the appliance. The food quality is preserved for a longer period of time because the products do not have to be removed during the defrost phase and they are not exposed to unnecessary temperature fluctuations.

30 min Electric defrosting	10 min Hot gas defrosting
--------------------------------------	-------------------------------------

The **vertical LED lighting mounted on both sides** ensures bright illumination of the interior and supports sales promotion with optimum product presentation.



The glass doors with a tough **aluminium frame** have a 90° dwell position allowing easy loading and removal of larger product quantities. At less than 60° the doors close automatically to prevent loss of cold air.



The triple-pane **glass door** prevents **external condensation**.



The **digital temperature display** tells the user the exact internal temperature that has been set. The temperature range can be set from -10°C to -25°C using the precision electronic controller.

The **robust lock** prevents unauthorised access.

Optimum product presentation for frozen foods

Attractive product presentation is a crucial condition for drawing the customers' attention to products. These modern glass door freezers in an attractive anthracite-aluminium design offer real promotional advantages: The interior is fitted with twin side-mounted, vertical LED lighting to create outstanding illumination inside the cabinet. The glass door has a special anti-fog film treatment which significantly delays misting of its inside surface upon opening, to always allow a clear view of the goods. The new integrated air-deflection baffle, together with improved glass door insulation, prevents water condensation forming on the outside of the door thus guaranteeing good visibility of products at all times.



Hot-gas defrosting

The energy-efficient hot-gas defrost system significantly shortens the defrost cycles, with only minimal interior temperature fluctuation thus maintaining the quality of the stored products for longer.

Electronic control system

The electronic control system, featuring a digital display, allows you to set the temperature precisely and automatically initiates the hot-gas defrost cycles.

Effective merchandising

LED illumination of the display (FDv 4613) and interior provides impressive presentation of the brand and the products stored. The lighting concept features two vertical LED modules, on either side of the inner liner, which provide uniform and intense illumination of the interior.

LED



Heated glass door

The electrically heated, triple-pane glass door prevents any unsightly condensation so that a clear view of the goods is maintained at all times.

High-quality anthracite/aluminium design

Both the bottom unit cover and the display (FDv 4613) are finished in anthracite. The glass door frame is in high-quality aluminium, both good-looking and tough. The simple yet elegant design will easily combine with different brandings.



Forced-air display freezers

FDv 4613

No
Frost

LED

Total gross / net capacity	461 / 307 l
Exterior dimensions in mm (w / d / h)	670 / 730 / 1999
Interior dimensions in mm (w / d / h)	532 / 568 / 1275
Energy consumption in 24 h *	7.753 kWh
Cooling system	forced-air
Defrosting	automatic
Temperature range	-10°C to -25°C
Cabinet finish	steel / white
Door / lid material	glass door
Liner material	commercial grade moulded polystyrol
Type of control	electronic controller
Temperature display	external digital
Interior light	LED
Fault: warning signal	visual and audible
Adjustable shelves	4
Shelf material	white-coated wire shelves
Shelf loading	50 kg
Handle	ergonomic slimline handle
Castors	yes
Type of castors	swivel castors
Lock	fitted
Self-closing door	yes
Door hinges	right, reversible on site
Insulation	67 mm
Climate rating	30°C / 55% Humidity
Refrigerant	R 290
Sound power level	62 dB(A)
Connection rating	4.4 A / 775 W
Frequency / voltage	50 Hz / 220 – 240V~
Gross / net weight	154 / 141 kg
Accessories	
Shelf, plastic-coated, Bottom grid, plastic-coated	Yes
Basket, 30 litres	Yes
Partition grid for 30 litre basket	Yes
Scanner rail 525 mm	Yes
Spare Key	Yes
Cone protector 210 slanting CPT	Yes
Rubber bumpers, grey	Yes

The advantages at a glance

01 **Suitable for under-worktop installation.** The 83 cm high FKUv and GGU models can easily be installed beneath a worktop and are a space-saving and ideal solution especially where space is limited.

02 In conjunction with the highly efficient compressor, the **environmentally friendly refrigerant R 600a** is highly effective and very energy-efficient.

03 **Visual and audible door alarms** alert the user to any excessive rise in temperature and loss of cold air.

Automatic defrosting. The modern and efficient controller ensures that the appliance defrosts automatically even in the busiest of locations.



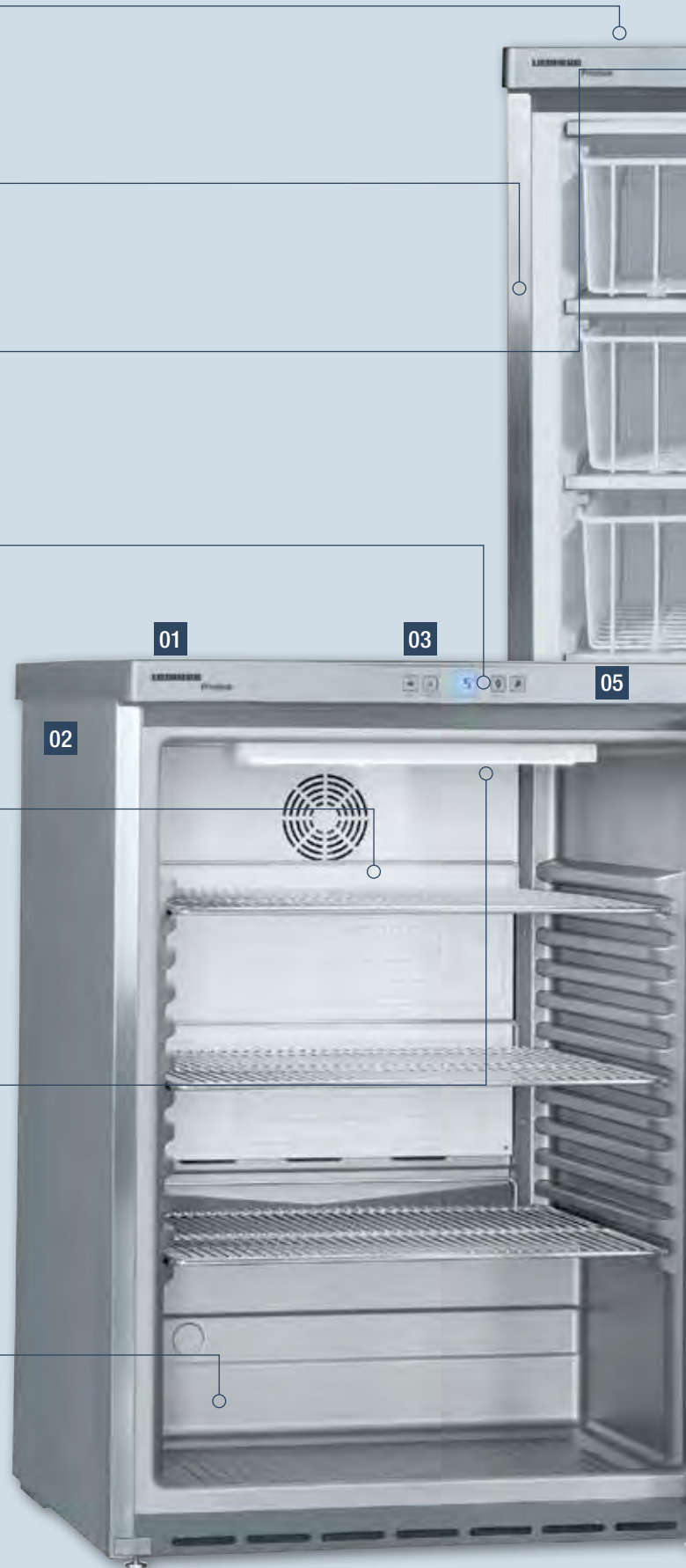
The **plastic-coated wire shelves** are very sturdy and have a loading capacity up to 45 kg, which ensures optimum product storage and protection. They are adjustable to allow flexible organisation and use of the interior.



Energy-efficient and economical LEDs in the glass door models ensure good illumination of the interior. The quality and freshness of the products are not affected as LED's emit very little heat.



04 The seamlessly **moulded inner liner** made of foodsafe commercial-grade polystyrene is tough, easy to clean and odourless. Since there are no hidden dirt-traps and the large radii facilitate cleaning, this enables perfect hygiene.





05

High-quality refrigeration components, optimised insulation and a sophisticated design ensure maximum energy efficiency and low operating costs.

06

The **door hinges** are **reversible** without any additional components and allow the appliance to be adapted to the installation site.



07

Locks on the refrigerator and freezer prevent unauthorised access.



The **baskets** in the GGU models can be used to organise the freezer contents and also enhance handling frozen products.

GGU 1550

08

Sturdy slimline door handle. The slimline door handle in FKUv and GGU models is designed for intensive use. Ergonomic, easy to grasp from the left or right and very easy to clean.



Self-closing door. For convenient use and to prevent energy loss, an integrated mechanism ensures that the door closes automatically, a useful feature in busy locations.

The **glass door** supports promotional presentation and enables fast access to the products. The one-piece stainless steel door frame on the FKUv 1663 is both very robust and stylish.

FKUv 1663

Quality right down to the smallest detail

The Liebherr table-height refrigerators and freezers are extremely space-saving. For wherever floor space is limited, free space must be used very efficiently – without compromising refrigerating capacity or food freshness. The products are stored in these compact models always under optimum refrigeration conditions, and yet the appliances are very energy-efficient and economical.



Suitable for under-worktop installation – and easily integrated.

The appliances can be sited beneath a worktop. In this case, a vent grille with a cross section of 200 cm² is required in the worktop for ventilation at the rear of the appliance.

Without a ventilation grille, the aperture height must be at least 3 cm greater than the appliance height. The appliances are 83 cm high to comply with the specific work heights in catering applications. The FKUv range is available with solid or glass door.



LED interior lighting with FKUv glass door.

The one-piece door frame is very robust and visually attractive. Energy-efficient LEDs ensure harmonious and homogeneous illumination of the interior and the products – in an extremely energy-saving manner: LED lights are durable and much more energy-efficient than conventional fluorescent tubes. In addition, product quality is not affected thanks to the reduced heat emission of LED's.



Practical baskets (for GGU).

The baskets can be used to organise the freezer contents and improve stock-rotation as well as enhancing the handling of frozen products.

Energy-efficient with R 600a.

Liebherr appliances are optimised for best possible energy efficiency and low operating costs. Only the natural and environmentally friendly refrigerant R 600a is used. In conjunction with highly efficient compressors, it is highly effective – and also future-proof thanks to its low global warming potential.



State-of-the-art controls.

These models are equipped with a high-quality controller with a large temperature display and many practical functions. Temperatures can be set exactly to the degree wanted. A visual and audible door and temperature alarm alerts the user if the temperature rises uncontrollably or the door is open. In the FKUv range, the non-contact fan cut-out switch reduces the loss of cold air when the door is opened and helps to maintain temperature consistency. The sophisticated defrost control system ensures trouble and worry-free operation even in extreme conditions with frequent door opening. A humidity selection function allows perfect adaptation to different products.



Self-closing door (only in FKUv).

An integrated mechanism ensures that the appliance door closes automatically, thus preventing unnecessary loss of cold air.



Reversible door hinges.

The door hinges can easily be reversed to allow optimum adaptation of the appliances to the installation site.

Table-height refrigerators with fan-assisted cooling



Table-height refrigerators with fan-assisted cooling	FKUv 1663 Premium	FKUv 1660 Premium
Total gross / net capacity	141 / 130 litre	141 / 130 litre
Exterior dimensions in mm (w/d/h)	600/615/830	600/615/830
Interior dimensions in mm (w/d/h)	440/435/670	440/435/670
Height without worktop in mm		
Energy consumption in 24 h *	0.898 kWh	0.698 kWh
General		
Cooling system	dynamic	dynamic
Defrost	automatic	automatic
Temperature range	+1°C to +15°C	+1°C to +15°C
External cabinet finish	stainless steel	stainless steel
Door/lid material	glass door	stainless steel
Internal liner material	moulded polystyrol (silver)	moulded polystyrol (silver)
Type of control	electronic controller	electronic controller
Temperature display	external digital	external digital
Fault: warning signal	visual and audible	visual and audible
Interior light	LED lighting, with separate switch	
Adjustable shelves	3	3
Shelf material	Chrome-plated wire shelves	Chrome-plated wire shelves
Shelf loading	45 kg	45 kg
Handle	stainless steel slimline door handle	stainless steel slimline door handle
Lock	fitted	fitted
Self-closing door	yes	yes
Door hinges	right, reversible on site	right, reversible on site
Gross/net weight	46/43 kg	37/35 kg
Climate rating	ST	N-T
Sound power level	42 dB(A)	45 dB(A)
Refrigerant	R 600a	R 600a
Connection rating	1.0 A/ 120 W	1.0 A/ 100 W
Frequency/voltage	50 Hz/220–240V~	50 Hz/220–240V~
Accessories		
Plastic-coated wire shelf		
Chrome wire shelf	Yes	Yes
Stainless steel stacking kit (GGU below/top)	Yes	Yes
Roller bars	Yes	Yes

Table-height freezers with static cooling



Table-height freezers

with static cooling

GGU 1550 Premium

Total gross/net capacity	143/133 litre
Exterior dimensions in mm (w/d/h)	600/615/830
Interior dimensions in mm (w/d/h)	474/443/676
Energy consumption in 24 h	0.724 kWh
General	
Cooling system	static
Defrost	manual
Temperature range	-9°C to -26°C
External cabinet finish	stainless steel
Door/lid material	stainless steel
Internal liner material	commercial grade moulded polystyrol
Type of control	electronic controller
SuperFrost	quantity-controlled
Temperature display	external digital
Fault: warning signal	visual and audible
Drawers	0
Number of baskets	4
Shelves, freezer compartment	4
Shelf material	evaporator plates
Shelf loading	24 kg
Compartment height in mm	3 x 150, 1 x 170
Lock	fitted
Door hinges	right, reversible on site
Gross/net weight	42/39 kg
Climate rating	SN-T
Sound power level	42 dB(A)
Refrigerant	R 600a
Connection rating	0.6 A/100 W
Frequency/voltage	50 Hz/220–240V~
Accessories	
Stainless steel stacking kit (FKUv below/top)	Yes
White stacking kit (FKUv below/top)	
Roller bars	Yes
Standard full-depth basket	Yes
Short bottom basket	Yes
Full-depth drawer	Yes

Accessories

Section: Refrigerators and freezers GN 2/1 with dynamic cooling and stainless steel liner

Additional shelves

Stainless steel or white plastic coated shelves are sturdy and have a loading capacity of up to 60 kg.
Suitable for the models: GKPv**** and GGPv****.



U-shaped trayslide

Additional U-shaped trayslides as available as accessories if required.
Suitable for the models: GKPv 14** and GGPv 14**.



Optional castor set

The sturdy castors (diameter 100 mm) provide good mobility and make it easy to clean the floor underneath the appliances.
Two castors are equipped with brakes.
Suitable for the models: GKPv** and GGPv**.



Foot pedal opener

If you don't have a hand free, you can conveniently open the door with the foot pedal available as an accessory.
Fitted on GKPv**90 & GGPv**90 models.
Available as an accessory for the following models: GKPv**70 & GGPv**70.



NTC product temperature sensor

An NTC product temperature sensor is available as a retrofit kit for registering product temperatures. The registering temperatures can either be read by the control system or transferred to an external documentation system via the RS 485 interface.
Suitable for the models: GKPv**90 and GGPv**90.



Infrared key with documentation software

The alarm events and temperature profile data can be read out using the infrared key available as an accessory. Corresponding documentation software is included allowing visualisation of the read-out data on a PC.
Suitable for the models: GKPv**90 and GGPv**90.



Interface converter with monitoring software

A special interface converter including the Liebherr LTM monitoring software is available for central documentation of the temperature profile data and alarm events of multiple appliances via the RS 485 serial interface. It is possible to network as many as 20 laboratory appliances and centrally document their parameters. Alarm forwarding or regular status reports of to up to three email addresses can be configured as an additional feature. Alternatively, commercially available converters can be used to connect the appliances to a PC via WLAN or LAN. Software requirements: PC with Windows® operating system.

Available on all models with electronic controllers. Suitable for the models: GKPv**90 and GGPv**90.



Section: Refrigerators and freezers with polystyrol liner

Additional shelves

Stainless steel or white plastic coated shelves are sturdy and have a loading capacity of up to 60 kg.

Suitable for the models: GKv64**, GKv57**, GGv58** & GGv50**.

The white grid shelves are plastic-coated and have a loading capacity of up to 45 kg.

Suitable for the models: GKv 43**.



Optional castor set

The sturdy castors (diameter 100 mm) provide good mobility and make it easy to clean the floor underneath the appliances. Two castors are equipped with brakes.

Suitable for the models: GKv64**, GKv57**, GGv58** & GGv50**.



Castor base

With a height of 117 mm, the sturdy castor base makes it easier to move refrigerators from place to place whenever required.

Suitable for: GKv 43** and GG 40**.



Height Adjustable legs

The adjustable legs allow plenty of clearance for easy and convenient cleaning underneath the appliance.

Suitable for the models: GKv 43** and GG40**.



Baskets

The plastic-coated wire baskets provide a clear view of the products stored inside and ensure optimum usage of the interior.

Suitable for the models: GG40**.



Section: Merchandising refrigerators

Additional shelves

The white grid shelves are plastic-coated and have a loading capacity of up to 45 kg.
Suitable for the models: FKvsl****.



Castor base

With a height of 117 mm, the sturdy castor base makes it easier to move refrigerators from place to place whenever required.
Suitable for: FKvsl54** and FKvsl36**.



Height Adjustable legs

The adjustable legs allow plenty of clearance for easy and convenient cleaning underneath the appliance.
Suitable for the models: FKvsl54** and FKvsl36**.



Protection bracket

The sturdy protection bracket for use on (larger) models protects the condenser on the rear of the appliance and the underside of the appliance optimally against impacts during transportation. The protection bracket is ideal when using the appliance at events or as transport protection.
Suitable for the models: FKvsl****.



Scanner rail

Price tags and scan codes can easily be attached to the practical scanner rail. It is fastened to the front of the grid shelves and can be easily labelled with price tags or branding inserts.
Suitable for the model: FKvsl41** and FKvsl36**.



Gravity feed shelf for bottles

On the practical gravity feed shelf, the 0.5 litre bottles are always to hand at the front. The gravity feed shelf can be drawn out on telescopic rails to replenish supplies.
Suitable for the model: FKvsl41** and FKvsl36**.



Section: Table-height refrigerators & freezers

Additional shelves

The chrome shelves have a loading capacity up to 45 kg.
Suitable for the model: FKUv16**.



Baskets

The plastic-coated wire baskets ensure optimum usage of the interior.
Suitable for the models: GGU15**.



Drawers

The completely enclosed drawers are tough and ideal for storing small frozen food items.
Available for the models: GGU15**.



Roller bars

The rollers (diameter 30 mm) make it easy to move the appliance for cleaning.
Suitable for the models: FKUv 16** and GGU15**.



Stacking kit

Any combination of the GGU(esf) Gastro freezers and FKUv refrigerators with dynamic cooling is possible thanks to the stacking kit.
The advantage: odour and temperature separation where floor space is confined.
Suitable for the models: FKUv 16** and GGU15**.



All Models

Additional lock barrels

Up to 10 additional lock barrels to protect the stored products against unauthorised access are available as accessories for the laboratory appliances with a Comfort electronic controller. In case of multiple appliances, different locks can be installed to ensure that the respective appliance can only be accessed by the staff members responsible for it.
Available on all models.



Liebherr commercial appliances can be found at specialist retailers where providing first-class service and expert advice is their top priority.

You can find an overview of all Liebherr appliances in our main catalogues. Available in stores or on www.liebherr.com.



The Liebherr-Hausgeräte YouTube channel provides interesting and helpful films showing you the functions of Liebherr refrigerators and freezers.



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