

Refrigerators and freezers
Bakery
2018



LIEBHERR

Quality, Design and Innovation

Refrigerators and freezers for bakeries and pastry shops

In bakeries and pastry shops, refrigerators and freezers have to master special industry-specific challenges. To ensure reliable cooling of sensitive natural products, Liebherr offers many innovative ideas which also simplify daily workflows: the internal fittings are designed to accept Euronorm bakery trays (60 cm x 40 cm and 60 cm x 80 cm). Easy cleaning and hygiene is facilitated by 304-grade stainless steel inner liners with generously radiused corners and adjustable legs for easy cleaning underneath the appliances. The high-quality of all the components ensures that the appliances can reliably handle even hectic daily workflows. You can rely on Liebherr professional appliances for bakeries and pastry shops – 24 hours a day, 365 days a year.



Regulation framework

In order to reduce energy consumption in the European Union and to support the sale of energy-efficient appliances, the European Commission has issued the regulation 2015/1094 “Energy labelling of professional refrigerators and freezers” and 2015/1095 “Ecodesign requirements for professional refrigerators and freezers” effective from 1 July 2016.

After this date certain appliances that are designed for the storage of food in a commercial environment will have to be labelled with an energy label.

The label shows the energy classification between classes A and G, the energy consumption in kWh/year, the net capacity in litres as well as the climate class, for which the appliance is designed. Excepted from the labelling obligation are static appliances, fridge-freezers, chest freezers as well as appliances used for sales promotion.

Measurements

Defined climate classes

Climate class 3 (light-duty cabinets):

Ambient temperatures from +10 °C to +25 °C,
60% relative humidity

Climate class 4:

Ambient temperatures from +10 °C to +30 °C,
55% relative humidity

Climate class 5 (heavy-duty cabinets):

Ambient temperatures from +10 °C to +40 °C,
40% relative humidity

The climate class indicated on the energy label represents the maximum ambient temperature at the appliance’s installation site. At this temperature the internal temperatures required for the safe storage of food are maintained.

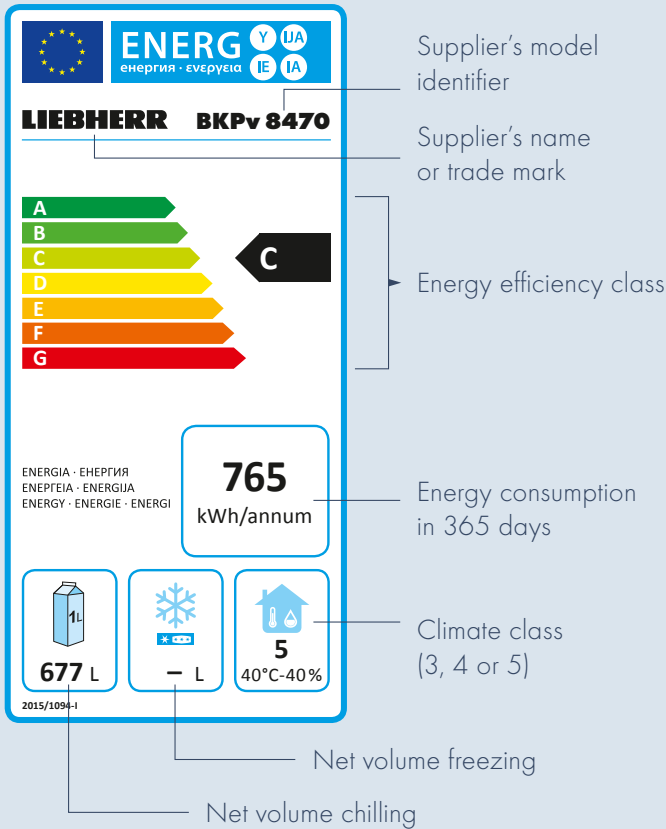
Energy consumption / Net volume

The energy consumption is measured, irrespective of the stated climate class, at climate class 4 (+30 °C / 55% rH).

The measurement of the energy consumption is to comply with EN 16825 and the regulation 2015/1094/EU. The net volume is calculated in accordance with EN 16825.

Energy label

Valid from 1 July 2016 (A to G)



With effect from 1 July 2019 the energy label will be expanded to include the energy efficiency class A+++.

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Good reasons to choose Liebherr



Highest performance

Innovative ideas – tailor-made for professional requirements: Liebherr refrigerators and freezers for bakeries and pastry shops guarantee perfect refrigerating capacity even in extreme conditions. The use of ultra-modern refrigeration components, efficient and environmentally-friendly refrigerants as well as precision electronic control systems ensure that the quality and freshness of doughs, cakes and pastries is optimally preserved. The cataphoretic-coated evaporator provides protection against corrosive substances like salt and fructose. Liebherr appliances also stand out due to their efficiency: their low power consumption guarantees permanently reduced operating costs.

Low operating costs

Thanks to the precision electronic control system 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.

Sturdy quality

Liebherr appliances are specially constructed for intensive professional use and feature a heavy-duty design – with highest-quality materials and perfect workmanship right down to the smallest detail. Their outstanding quality is ensured by elaborate tests. All electronic and refrigeration components are well balanced to ensure maximum functionality and efficiency.

Easy cleaning

Hygiene plays an especially important role in the commercial sector. That is why Liebherr appliances are equipped with moulded inner liners made of 304-grade stainless steel with large radii that are easy to wipe. The electronic control panel has a membrane touch-pad and is very easy to clean. Depending on the model, castors or height-adjustable feet also allow easy cleaning of the floor space 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

All Liebherr components are checked for high quality, efficiency and durability in practical tests and inspections. This ensures that our bakery appliances are virtually maintenance-free. That saves time and money – so you can concentrate on your real business. Also when it comes to ease of use, Liebherr offers intelligent solutions that simplify your daily workflows.

The advantages at a glance



Evaporator and refrigeration system are located in the upper area of the appliance, resulting in **increased net capacity**. The hinged detachable unit cover panel provides easy access during servicing or cleaning.

Demand-responsive, energy-efficient hot gas defrost system ensures fast, fully automatic defrosting in approx. 10 minutes. That reduces temperature fluctuations and ensures product storage in constant conditions.

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 quiet and energy-efficient fans ensure optimum refrigeration quality with an indirect air-ducting system. This prevents a direct flow of cold air over the products and protects the surface of sensitive items.

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

Setting option for three air humidity ranges to ensure **the best storage conditions** for different products.

Up to **83 mm thick insulation** with CFC free cyclopentane foam reduces thermal loss and supports the excellent energy-efficiency of the appliances.



Easy-to-clean **flour-dust filter** protects the functional parts from flour and dust deposits and increases the service life of the appliances (available as an accessory).



Moulded 304-grade stainless steel inner liner with generously radiused corners and a 3/4" cleaning drain in the liner base for easy cleaning.



The **foot pedal opener** allows easy hands-free opening of the door (available as an accessory).



With help from the **SuperCool** and **SuperFrost** buttons, goods can be cooled as quickly as possible (for max. 1hr depending on the quantity). This is helpful for example if these are within the permissible maximum temperature due to transport.



The **wire-on-tube condenser** with **removable filter** is perfectly designed for the conditions in bakeries and pastry shops. The refrigerating capacity can be preserved for years with a minimum amount of maintenance.

The **cataphoretic-coated evaporator** provides protection against particularly aggressive and corrosive substances found in bakeries and this is an example of the attention to detail which goes to make Liebherr appliances reliable and long-lasting.

Precision electronic control systems in conjunction with high-quality refrigeration components for minimal energy consumption. Visual and audible door opening and temperature alarms alert the user to prevent any excessive rise in temperature and unnecessary loss of cold air.



The **unit compartment cover** with membrane control panel and the door both feature a seamless design which makes them very easy to clean.

Full-height **handle integrated in the door** is practical, easy to grip and above all, very straightforward to keep clean.



When a refrigerator or freezer door is opened, a **vacuum** is built up which makes it hard to reopen the door. This problem is solved by the **integrated pressure relief valve** which quickly equalises the vacuum.

Plug-in door seal can be replaced quickly and easily.



The door hinges are **reversible without any additional parts** and allow the appliances to be easily adapted to the installation site.



Self-closing door with **removable magnetic gasket** closes automatically from 60° opening angle, prevents loss of cold air and guarantees optimum product storage conditions. The doors remain open at 90° for loading.



Appliances are designed for **high ambient temperatures** (+10°C to +40°C) and guarantee efficiency and cost effectiveness even in extreme temperature conditions, such as in a hot bakery.

Height-adjustable stainless steel legs adjustable from 120 mm to 170 mm allow for easy cleaning also underneath the appliance. Castors are also available as an option.

BKPv 8470

Quality right down to the smallest detail

Liebherr refrigerators and freezers compliant with the Profiline bakery standard combine many convenient features to simplify your daily work. The high-performance forced-air system and the precision electronic controller enable exact temperature control as well as constant and homogeneous product cooling – to ensure perfect quality during storage.



Special air-ducting system, maximum insert options.

Two highly efficient and energy-saving fans ensure an optimum refrigerating effect in the interior using an indirect air-ducting system. This prevents the direct flow of cold air over sensitive products which could affect the quality of cakes, pies or doughs. As standard, the appliances are equipped with the maximum number of trayslides for bakery standard trays, at no further cost.



Euronorm baker's trays.

These bakery cabinets and the internal fittings are designed for use with 60 cm x 40 cm or 60 cm x 80 cm baking trays, depending on the appliance size.

Wide temperature range for flexibility.

The temperature ranges can be set individually from -5°C to +15°C and from -10°C to -35°C. That enables maximum flexibility depending on the application or products to be stored – and always ensures perfect refrigeration quality.

Choice of three air humidity ranges.

With three selectable humidity ranges, the appliances can be set to provide ideal storage conditions for a variety of such as chocolate, icing or dough, thus ensuring that they are stored in optimum conditions and their quality is preserved.

Energy-efficient hot gas.

Defrost less often and faster: the appliances defrost only when required since the electronic control system calculates the optimum defrost cycles based on the compressor run-time. Energy-efficient hot gas reduces the defrost time from approx. 30 to only approx. 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 use – practical features.

For convenient use, the doors remain open at 90°, allowing easy loading and removal of larger product quantities. At less than 60° the doors close automatically by means of the magnetic seal – that prevents unnecessary loss of cold air. The sturdy foot pedal available as an accessory makes loading easier, if you don't have a hand free. The moulded 304-grade stainless steel inner liner is optimally designed for the insertion of bakery trays. The adjustable L-shaped trayslides allow easy insertion of 60 cm x 40 cm or 60 cm x 80 cm baking trays, depending on the appliance size. The inner liners are designed with generously radiused corners and a 3/4" cleaning drain in the liner base and are easy to clean. The door hinges on all appliances can easily be reversed.



Designed for high ambient temperatures.

With 82 mm insulation and heavy-duty refrigeration system the bakery models will operate reliably in ambient temperatures from +10°C to + 40°C. Therefore they are ideally suited for professional use – for example in bakeries.



Reversible door hinges.

The door hinges can easily be reversed without any additional parts to adapt the appliances to the installation site.



Optimum refrigerating capacity – anywhere.

The appliances are designed for ambient temperatures from +10°C to +40°C, so they are optimally suited for use in a hot bakery or in branch stores – they always provide optimum refrigerating capacity. The refrigeration system and its components are fully compatible to meet demanding practical requirements with many door opening cycles.



Precision ProfiLine electronic control system for energy efficiency.

The easy-to-use electronic control system with default temperature range and humidity control programs allows accurate temperature setting. In addition, it ensures that the appliances defrost only as required, which helps to maintain good energy efficiency. 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 the products. The membrane keyboard on the electronic control system is dirt resistant and easy to clean.

Refrigerators for Euronorm trays with fan-assisted cooling and stainless steel inner liner



Refrigerators for Euronorm trays
with fan-assisted cooling

Total gross/net capacity
Exterior dimensions in mm (w/d/h)
Interior dimensions in mm (w/d/h)
Energy efficiency class ¹
Energy consumption in 365 days
Climate rating
Refrigerant
Sound power level
Connection rating
Frequency/voltage
Cooling system
Defrost
Temperature range
Bakery standard
External cabinet finish
Door/lid material
Internal liner material
Type of control
Temperature display
Fault: warning signal
Volt-free alarm contact
Adjustable shelves
Shelf material
Height of adjustable legs
Handle
Lock
Self-closing door
Door hinges
Insulation
Gross/net weight

Also available in white as
Accessories
Optional castor set
Foot pedal opener
Flour-dust filter

BKPv 8470 ProfiLine

856/677 litre
790/980/2120
609/800/1550
<C>
765 kWh
5
R 290
58 dB(A)
2.0 A/350 W
50 Hz/220–240V~
forced-air
automatic
–5°C to +15°C
600 × 800 mm
stainless steel
stainless steel
304-grade stainless steel
electronic controller
external digital
visual and audible
yes
25
stainless steel L-shaped trayslides
120–170 mm
full-length integrated handle
fitted
yes
right, reversible on site
83–60 mm
176/158 kg

BKPv 8420
9590581
9590659
9590247

BKPv 6570 ProfiLine

602/365 litre
700/830/2120
410/650/1550
<D>
666 kWh
5
R 290
58 dB(A)
2.0 A/250 W
50 Hz/220–240V~
forced-air
automatic
–5°C to +15°C
400 × 600 mm
stainless steel
stainless steel
304-grade stainless steel
electronic controller
external digital
visual and audible
yes
20
stainless steel L-shaped trayslides
120–170 mm
full-length integrated handle
fitted
yes
right, reversible on site
83–60 mm
149/132 kg

BKPv 6520
9590581
9590659
9590247

Freezers for Euronorm trays with fan-assisted cooling and stainless steel inner liner



Freezers for Euronorm trays
with fan-assisted cooling

Total gross/net capacity
Exterior dimensions in mm (w/d/h)
Interior dimensions in mm (w/d/h)
Energy efficiency class ¹
Energy consumption in 365 days
Climate rating
Refrigerant
Sound power level
Connection rating
Frequency/voltage
Cooling system
Defrost
Temperature range
Bakery standard
External cabinet finish
Door/lid material
Internal liner material
Type of control
Temperature display
Fault: warning signal
Volt-free alarm contact
Shelves, freezer compartment
Shelf material
Height of adjustable legs
Handle
Lock
Self-closing door
Door hinges
Insulation
Gross/net weight

Also available in white as
Accessories
Optional castor set
Foot pedal opener
Flour-dust filter

BGPv 8470 ProfiLine

No Frost

856/677 litre
790/980/2120
609/800/1550
<C>
1997 kWh
5
R 290
60 dB(A)
4.0 A/350 W
50 Hz/220–240V~
forced-air
automatic
–10°C to –35°C
600 × 800 mm
stainless steel
stainless steel
304-grade stainless steel
electronic controller
external digital
visual and audible
yes
25
stainless steel L-shaped trayslides
120–170 mm
full-length integrated handle
fitted
yes
right, reversible on site
83–60 mm
180/161 kg

BGPv 8420
9590581
9590659
9590247

BGPv 6570 ProfiLine

No Frost

602/365 litre
700/830/2120
516/650/1550
<D>
1874 kWh
5
R 290
60 dB(A)
4.0 A/300 W
50 Hz/220–240V~
forced-air
automatic
–10°C to –35°C
400 × 600 mm
stainless steel
stainless steel
304-grade stainless steel
electronic controller
external digital
visual and audible
yes
20
stainless steel L-shaped trayslides
120–170 mm
full-length integrated handle
fitted
yes
right, reversible on site
83–60 mm
156/140 kg

BGPv 6520
9590581
9590659
9590247

The advantages at a glance



Choice of **two humidity settings** in BKv for perfect storage conditions for different products.

The **Liebherr air-ducting system** with a highly efficient fan ensures optimum refrigeration quality and reduces energy consumption. The fan stops when the door is opened, which reduces the loss of cold air and promotes energy efficiency.



Low energy consumption thanks to 60 mm insulation with cyclopentane foam (CFC free).



The **10 pairs of L-shaped trayslides** at increments of 25 mm offer a high degree of flexibility and enable maximum use of the interior.



The seamlessly **moulded tough commercial-grade polystyrol inner liner** with generously radiused corners is easy to clean and enables perfect hygiene.



Adjustable legs (105 mm – 150 mm), available as an accessory, ensure easy cleaning also underneath the appliance.



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

The **mechanical control system** with a digital temperature display is reliable and easy to use.

High refrigerating capacity designed for ambient temperatures from +10°C to +40°C ensures reliable operation all working conditions, for example in hot bakeries, pastry shops or retail stores.

The **large surface-area evaporator (BKv 5040)** enables fast product cooling and high humidity, which prolongs the product storage life. A low humidity setting is available where required.



The door hinges are **reversible** (without any additional parts) and allow the appliances to be adapted on site.



After a freezer door is opened, a **vacuum** is built up by **air exchange** – with the effect that the door is difficult to reopen immediately afterwards. The integrated pressure relief valve on the BG 5040 quickly equalises the vacuum, so the door can be reopened easily.

Smart Frost

The **energy-efficient SmartFrost technology** (BG 5040) reduces frosting on the interior and frozen products, reduces the need for defrosting, and ensures homogeneous cooling.

BKv 5040

Quality right down to the smallest detail

The quality and efficiency of professional refrigerators and freezers are decisive factors for successful use. With BKv 5040 and BG 5040, Liebherr offers two more appliances for special requirements in bakeries and pastry shops: The models provide perfect refrigerating capacity thanks to optimised insulation and the fan-assisted cooling system. They are designed for ambient temperatures from +10°C to +40°C with simple and reliable controls for trouble-free use. The moulded one-piece liner guarantees easy cleaning for perfect hygiene.



60 x 40 cm trays for use in bakeries and pastry shops.

With 321 / 486 L net capacities and a cost-effective design, these two models provide ideal solutions for a wide range of storage requirements.

Perfect storage conditions.

The BKV 5040 has two humidity settings to allow use for a variety of different products.

Perfect refrigerating capacity.

The appliances are designed for ambient temperatures from +10°C to +40°C, so they are suited for use in a hot bakery or in branch stores with frequent door openings. The refrigeration system is well-balanced designed to meet demanding practical requirements.



Easy use – shelf removal at 90° door opening.



Refrigerators and freezers for 60 x 40 cm trays	BKv 5040	BG 5040
		Smart Frost
Total gross/net capacity	491 / 375 litre	491 / 486 litre
Exterior dimensions in mm (w/d/h)	750 / 730 / 1640	750 / 730 / 1640
Interior dimensions in mm (w/d/h)	600 / 540 / 1410	600 / 540 / 1410
Energy efficiency class ¹	<D	
Energy consumption in 365 days	753 kWh	614 kWh
Climate rating	5	5
Refrigerant	R 600a	R 290
Sound power level	50 dB(A)	52 dB(A)
Connection rating	1.5 A / 90 W	2.5 A / 120 W
Frequency/voltage	50 Hz / 220 – 240V~	50 Hz / 220 – 240V~
Cooling system	forced-air	static
Defrost	automatic	manual
Temperature range	+2°C to +15°C	–9°C to –26°C
Bakery standard	600 × 400 mm	600 × 400 mm
External cabinet finish	steel / white	steel / white
Door/lid material	steel	steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	analogue control	analogue control
Temperature display	external digital	external digital
Adjustable shelves	10	10
Shelf material	stainless steel L-shaped trayslides	stainless steel L-shaped trayslides
Handle	ergonomic slimline handle	ergonomic slimline handle
Lock	fitted	fitted
Door hinges	right, reversible on site	right, reversible on site
Gross/net weight	86 / 80 kg	92 / 86 kg
Accessories		
L-shaped trayslide, right	9006231	9006231
L-shaped trayslides, left	9006229	9006229
Castor base	9086365	9086365
Adjustable legs	9590229	9590229

Accessories

Section: Refrigerators and freezers for Euronorm trays with fan-assisted cooling and stainless steel inner liner BKPv/BGPv

Optional castor set

The sturdy castors (diameter 100 mm) allow the appliances to be moved easily and make it easy to clean the floor underneath the appliances. Two castors are equipped with brakes. Suitable for the models: BKPv and BGPv.



Foot pedal opener

If you don't have a hand free, you can conveniently open the door with the foot pedal opener available as an accessory. Suitable for the models: BKPv and BGPv.



Flour-dust filter

The flour-dust filter protects refrigeration components from dust deposits, for example caused by floured dough, thus avoiding potentially costly service calls. After installation, the integrated metal filter mat can be removed and cleaned without any tools. Can be cleaned in a dishwasher at 50°C. Suitable for the models: BKPv and BGPv.



Section: Refrigerators and freezers for 60 x 40 cm trays with polystyrol inner liner BKv/BG

L-shaped trayslides

Additional L-shaped trayslides (60 cm x 40 cm) are available. Suitable for the models: BKv and BG.



Castor base

With a height of 125 mm, the sturdy castor base makes it easier to move appliances from place to place whenever required. A sturdy quality accessory designed to last. Suitable for the models: BKv and BG.



Adjustable legs

The height-adjustable legs (105–150 mm) allow plenty of clearance for easy and convenient underneath the appliance for when day-to-day hygiene is particularly important. Suitable for the models: BKv and BG.



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 home.liebherr.com.



Smart communication on all fronts



Discover the world of Liebherr-Appliances with the latest interesting news, stories, valuable tips and tricks on food storage, recipes and lots more besides!



WineGuide App

A brief overview of Bordeaux wines and their producers, plus storage information.



apps.home.liebherr.com

Find out which app is available for which operating system (Apple, Android etc.), and which device type.



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



News, product launches and special promotions can be found on our Facebook page, the Liebherr blog, on Instagram and Pinterest.



socialmedia.home.liebherr.com

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