



Island merchandiser
Food retail
2015/2016

LIEBHERR

Quality, Design and Innovation

Liebherr plug-in island chillers and freezers

Plug-in island chillers and freezers and plug-in chest freezer systems for the wholesale and retail industry must meet high requirements – with regard to quality, product presentation options and energy efficiency. Liebherr appliances are specially developed for professional use and stand out due to their outstanding performance in every respect: they are easy to load, enable sales-boosting product presentation, enable simple hygienic cleaning, operate extremely reliably and are very efficient thanks to their low power consumption. Award-winning innovations in refrigeration come from Liebherr: quite recently we were presented with the innovation award in the category “Technical Innovations” by the federal state of Tyrol for our new production technology. With Liebherr chest freezers you always benefit from fresh ideas!

Tyrolean Innovation Award



Liebherr-Hausgeräte GmbH Lienz received the Tyrolean Innovation Award for its PU spray moulding production process for plug-in island chillers and freezers. This process allows a very high degree of freedom in appliance design and additionally increases stability. The Tyrolean Innovation Award is given annually to innovative companies by the federal state of Tyrol and the Austrian Federal Economic Chamber.



Contents

Good reasons to choose Liebherr	06
The advantages at a glance	08
Excellent performance and outstanding efficiency	10
Precision electronic controls, perfect hygiene	12
Product charts	14
Installation configurations	17
Accessories	18

Good reasons to choose Liebherr



Highest performance

Liebherr plug-in island chillers and freezers provide perfect 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. The defrost cycle also takes place quickly and efficiently: fully automatically twice a week – or initiated manually – using hot-gas and completely without electrical heaters.

Energy efficiency

Liebherr plug-in island chillers and freezers are extremely efficient thanks to their variable-speed compressors and precision control. Power consumption is noticeably reduced by highly effective insulation in conjunction with the environmentally friendly and highly efficient CFC free refrigerant R 290. In addition, the chest freezer lighting can optionally be connected to the store’s central lighting control system so that the interior light is automatically switched off overnight. This results in outstanding eco-friendliness – and lowers your power and operating costs.

Reliability

Liebherr dual purpose chillers/freezers are specially constructed for intensive professional use and feature a very sturdy design – with highest-quality materials and careful production of all components right down to the smallest detail. The exemplary quality of the appliances is ensured by elaborate tests. All electronic and refrigeration components are fully compatible to ensure maximum functionality and efficiency – including an attractive design.

Easy cleaning and servicing

Hygiene plays an important role in the commercial sector. That is why the moulded inner liners in our plug-in island chillers and freezers are designed with generously radiused corners. Self-cleaning profiles on the sliding glass lids and the virtually seamless interiors enable easy cleaning. The ventilation system also provides an extra hygienic effect: fresh air is sucked in and blown out again in the base compartment area by an innovative air-ducting system. This prevents the accumulation of dust underneath the island installation. All components requiring regular maintenance are within easy reach.

Safety

Precision electronic controls make Liebherr plug-in island chillers and freezers convenient to use and easy to maintain. The interior and operating temperatures are measured by several sensors. The data can also be transmitted to a server for remote monitoring. An integrated early-fault-detection system emits an automatic alarm if problems occur – before the temperature reaches a critical limit. Thus Liebherr chest freezers automatically protect their valuable contents and secure the cooling chain – effectively around the clock.

Productivity

Our plug-in island chillers and freezers help to increase productivity by optimising staff workflows in branch stores: they enable easy product loading in the chest freezer system, fast cleaning – due to the absence of corners and edges in the interior – or save time thanks to automatic defrosting. Time-consuming and labour-intensive operations are a thing of the past. The automatic alarm notification system with dial-up connection alerts the user before trouble occurs. Liebherr plug-in island chillers and freezers thus guarantee a high level of convenience and set new standards.

The advantages at a glance

Spacer grids. Spacer grids protect products against freezing and defrost water during the defrosting process.



Sliding lids. Thanks to their special sealing and sliding profiles, the easy-to-move sliding lids made of single-pane safety glass seal very tightly, prevent the loss of cold air and improve the energy efficiency of the appliances.

Handle. The elegant, ergonomic stainless steel handle is resilient enough to withstand frequent opening of the sliding lid. The handle can be used as a support to remove products even when the fill level is low.



Tapered shape. The tapered design provides ergonomic foot space for easy product removal. The overall island installation has a neat and well-organised appearance.



Hygienic and easy to clean. The virtually seamless interiors are easy to clean and enable perfect hygiene. The sliding glass lids have concealed and self-cleaning glide-surfaces to prevent the accumulation of dust and dirt between the lid and chest freezer.



Integrated price tag rails. The design concept includes scanner rails harmoniously integrated in an optimum viewing position. The price tags can easily be replaced or relocated in case of adjustments.



Full-touch glass controller display. The touch-screen electronic controller is ergonomically integrated in an optimal viewing position at the rear of the chest freezer. All accurate temperature setting, manual defrosting or light control functions are secured by the wireless RFID key.

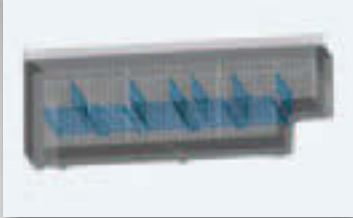


5-degree inclination. This inclination also places the products in the customer's line of vision, resulting in optimised product presentation.



SGT 1322

Automatic defrosting of interior walls. The automatic defrosting uses solely hot-gas, quickly defrosting the appliance from bottom to top. This improves appliance reliability since ice does not build up in the drain area and block the outlet. Thanks to the absence of electric heaters, the failure risk is reduced. Energy efficiency is also increased since the use of additional energy is not required. The products can remain in the chest freezer during the defrost phase.



Partitions. Partitions allow flexible re-organisation of the interior to optimise product presentation.



LED interior lighting. Two durable, energy-efficient LED light strips ensure uniform illumination of the appliance interior and sales-boosting product presentation.

Excellent performance and outstanding efficiency

Liebherr plug-in island chillers and freezers and plug-in chest freezer systems are convenient to use and very efficient. Exceptionally-low power consumption is achieved thanks to the precision electronic controls combined with optimised refrigeration components. The 5-degree inclination enables easy chest freezer loading and an enhanced view of the products stored inside. These are top arguments for economic success.



Supermarket chiller and freezer merchandisers.
Products presented in these Liebherr plug-in island chillers and freezers are displayed to their very best advantage thus enhancing sales. Two LED light strips are integrated into the front and rear to illuminate the interior brightly and evenly. The frameless sliding glass lids are very easy to open. The 5-degree inclination of the chest freezers makes it easy to load and remove products – and ensures improved product visibility with sales appeal.



Modern freezer design.
Liebherr plug-in island chillers and freezers combine dimensional stability, robust construction and modern design. The high-tech composite housing is impact- and shock-resistant. The tapered design provides ergonomic foot space for easy product removal. Also in a larger row of freezers, the wavelike segmentation creates a well-organised overall appearance.



Ergonomic stainless steel handle.
Thanks to its sturdy screw connection, the elegant and ergonomic stainless steel handle is resilient enough to withstand even frequent opening of the sliding lid. The handle can be used as a support to remove products even when the fill level is low.



Integrated price tag rails.
The scanner rail is positioned at an ideal viewing height so the customer can quickly check out the prices of the products on display. The flush-mounted price tags can easily be replaced or relocated in case of changes.



Energy-saving LED lighting.
The internal lighting uses durable LED light strips. Unlike fluorescent tubes, LEDs produce little waste heat and require much less power. The light strips are positioned to prevent shadowing inside the chest freezer. Thanks to the colour temperature of the LED lighting, especially fresh meat products always appear in their natural colour. The chest freezer lighting can be connected to the central light control system and switched off overnight – that automatically saves energy.



Smooth-running sliding glass lid.
The sliding lids are made of extremely resilient single-pane safety glass and are very scratch-resistant. The chest freezers can be opened easily and effortlessly thanks to the interaction of a special sliding seal with the optimised glide-surface on the housing. The lids provide a tight seal and ensure that temperatures are maintained at a constant level and support the high energy-efficiency of the chest freezer. An integrated hot-gas frame heater largely prevents condensation so that customers always have an unobstructed view of the products.

Precision electronic controls, perfect hygiene

Reliable and precision electronic controls enable highly efficient control. The freezers can be networked and connected to a central temperature monitoring system. The advantage: this ensures safe and optimal storage conditions. The chest freezers are easy to clean thanks to the self-cleaning profiles on the sliding glass lids and the seamless appliance interiors.



Glass display with full-touch function.

The touch-screen electronic controllers on Liebherr plug-in island chillers and freezers are ergonomically integrated in the rear frame, making the temperature display easily visible. All setting functions are displayed only if they were activated beforehand via the wireless RFID key. This prevents unauthorised changes to the parameters – and protects the stored products.



Safe thanks to self-diagnosis.

The appliance allows continuous temperature monitoring – and fast reaction in case of trouble, thus preventing interruption of the cooling chain and hence any financial loss.

Fit for SmartGrid.

In the future, intelligent power networks (SmartGrid) will help reduce energy costs. Liebherr plug-in island chillers and freezers are prepared for this and all come “SmartGrid-ready”. In the event of an energy surplus, e.g. via renewable energies, the appliances are supplied with the cheapest electricity. When the electricity price is low, the appliance builds up cold reserves. This buffer can be used up when the price of electricity rises again.

Demand-responsive compressor.

The electronically controlled variable-speed compressor ensures maximum energy efficiency. At the same time, the compressor adapts quickly and perfectly to the actual cooling requirements inside the appliance. Two air temperature sensors determine the cooling requirements and control the compressor. That helps to maximise energy-efficiency, thus reducing operating costs.



Sturdy sliding glass lid.

The sliding glass lids provide maximum visibility of the stored products. They are scratch-resistant and remain attractive-looking for a long time. The glide-surfaces of the innovative sliding lids are self-cleaning, ensuring any dirt is expelled from the profiles and easy opening of the chest freezer with minimum effort.



Flexible base panel.

The flexible sealing lip prevents dirt and water from getting under the appliances and seals effectively even on slightly uneven floor surfaces. In addition, the air flow is designed to prevent the accumulation of dirt under the chest freezer.

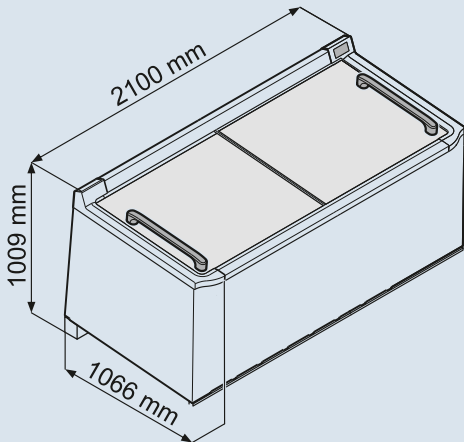
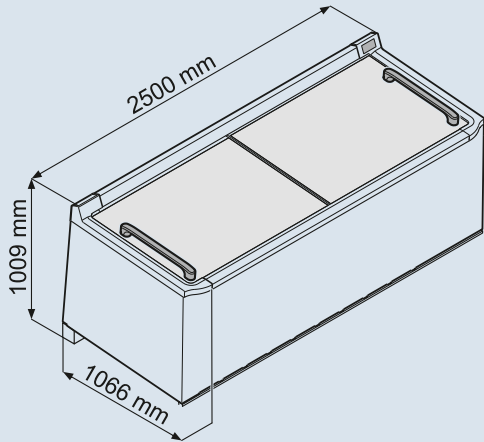






Designed for easy cleaning.

The rounded corners in the freezer interior feature a generously radiused and virtually seamless design which allows for easy cleaning. All freezer partitions are easy to remove – and also the surfaces are easy to clean.

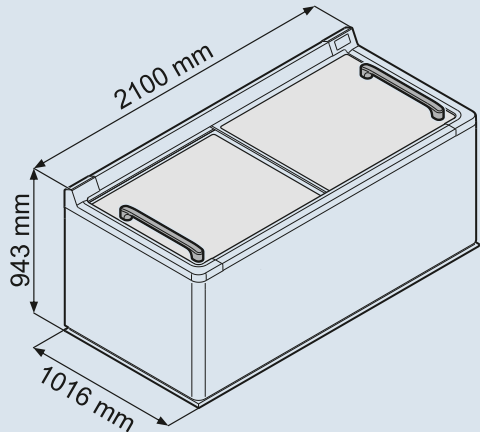
Simple floor cleaning

The tapered shape of the island installation is a characteristic feature of Liebherr plug-in island chillers and freezers. The base of the cabinet is straight, which makes floor-cleaning fast and easy. The seamless design prevents the accumulation of dust and water.



Plug-in island chillers and freezers	SGT 1322 Freezer 	ST 1322 Dual-purpose chiller / freezer 	SGT 1122 Freezer 	ST 1122 Dual-purpose chiller / freezer 
Width	250 cm	250 cm	210 cm	210 cm
Total gross/net capacityfridge compartment				
Total gross/net capacityfreezer compartment	1290/905 litre	1290/805 litre	1060/734 litre	1060/645 litre
Total display surface area (TDA)	1.71 m²	1.71 m²	1.41 m²	1.41 m²
Exterior dimensions in mm (w/d/h)	2500/1066/1009	2500/1066/1009	2100/1066/1009	2100/1066/1009
Interior dimensions in mm (w/d/h)	2265/800/550	2265/780/415–550**	1865/800/550	1865/800/415–550**
Energy consumption freezing in 24 h *	6.316 kWh	6.316 kWh	5.337 kWh	5.337 kWh
Energy consumption cooling in 24 h *		3.692 kWh		3.370 kWh
Cooling systemIn chiller mode		forced-air		forced-air
In freezer mode				
Defrost	static	static	static	static
Temperature rangeChiller mode	auto hot-gas defrost	auto hot-gas defrost	auto hot-gas defrost	auto hot-gas defrost
Freezer mode				
Load line heightRefrigeration/Freezing	-19°C to -21°C	-19°C to -21°C	-19°C to -21°C	-19°C to -21°C
External cabinet finish	–/550 mm	415/550 mm	–/550 mm	415/550 mm
Lid material	Composite/white	Composite/white	Composite/white	Composite/white
Internal liner material	Sliding glass lid	Sliding glass lid	Sliding glass lid	Sliding glass lid
Frame colour	Polystyrol/aluminium	Polystyrol/aluminium	Polystyrol/aluminium	Polystyrol/aluminium
Type of control/Temperature display	white	white	white	white
Interior light/Fault: warning signal	Touch-controller/external digital	Touch-controller/external digital	Touch-controller/external digital	Touch-controller/external digital
Interface/Volt-free alarm contact	LED/visual	LED/visual	LED/visual	LED/visual
Adjustable dividers	CAN-BUS/yes	CAN-BUS/yes	CAN-BUS/yes	CAN-BUS/yes
Material of internal fittings	5 + 1	5 + 1	4 + 1	4 + 1
Handle/Insulation	Clear-coated wire	Clear-coated wire	Clear-coated wire	Clear-coated wire
Gross/net weight	Stainless steel/80 mm	Stainless steel/80 mm	Stainless steel/80 mm	Stainless steel/80 mm
Climate rating	185/160 kg	188/163 kg	165/140 kg	163/138 kg
Refrigerant	3 / +10°C to +25°C	3 / +10°C to +25°C	3 / +10°C to +25°C	3 / +10°C to +25°C
Connection rating/Frequency/voltage	R 290	R 290	R 290	R 290
Accessories	4.5 A/50 Hz/220–240V~	4.5 A/50 Hz/220–240V~	4.5 A/50 Hz/220–240V~	4.5 A/50 Hz/220–240V~
Full-height/reduced height dividers	9086237/9086235	9086237/9086235	9086237/9086235	9086237/9086235
Shelf (385 mm/300 mm/235 mm)	9086229/9086231/9086233	9086229/9086231/9086233	9086229/9086231/9086233	9086229/9086231/9086233
Ice scraper	9086227	9086227	9086227	9086227
Protective bumper (100 mm/50 mm)	9086247/9086059	9086247/9086059	9086245/9086057	9086245/9086057
RFID key	9086225	9086225	9086225	9086225
Head chest impact protection/Block island panel impact protection	9096579/9096577	9096579/9096577	9096579/9096577	9096579/9096577
Island end panel one-piece/two-piece	9086269/9086267	9086269/9086267	9086269/9086267	9086269/9086267
Installation alignment rail	9086271	9086271	9086271	9086271
Island centre cover without top structure (Island centre cover for shelf top structure, on request)	9086257	9086257	9086255	9086255
End unit connecting kit	9086249	9086249	9086249	9086249
Product plate holder	9096583	9096583	9096583	9096583
Lighting cable for manual control	9086223	9086223	9086223	9086223
Network cable to link cabinets together	9086221	9086221	9086221	9086221
Terminal resistor (1 per block)	9086219	9086219	9086219	9086219
Plug set for alarm output	9590153	9590153	9590153	9590153

* Measured to EN 23953 at +25°C ambient
** In freezer mode



Plug-in island chillers and freezers

Width	
Total gross/net capacity	fridge compartment
Total gross/net capacity	freezer compartment
Total display surface area (TDA)	
Exterior dimensions in mm (w/d/h)	
Interior dimensions in mm (w/d/h)	
Energy consumption freezing in 24 h *	
Energy consumption cooling in 24 h *	
Cooling system	In chiller mode
	In freezer mode
Defrost	
Temperature range	Chiller mode
	Freezer mode
Load line height	Refrigeration/Freezing
External cabinet finish	
Lid material	
Internal liner material	
Frame colour	
Type of control/Temperature display	
Interior light/Fault: warning signal	
Interface/Volt-free alarm contact	
Adjustable dividers	
Material of internal fittings	
Handle/Insulation	
Gross/net weight	
Climate rating	
Refrigerant	
Connection rating/Frequency/voltage	
Accessories	
Full-height/reduced height dividers	
Shelf (385 mm/300 mm/235 mm)	
Ice scraper	
Protective bumper (100 mm/50 mm)	
RFID key	
Head chest impact protection/Block island panel impact protection	
Island end panel one-piece/two-piece	
Installation alignment rail	
End unit connecting kit	
Product plate holder	
Lighting cable for manual control	
Network cable to link cabinets together	
Terminal resistor (1 per block)	
Plug set for alarm output	

STE 1122
Chiller/freezer island end unit



210 cm
1060/540 litre
1060/645 litre
1.41 m²
2100/1016/943
1865/780/415–550**
5.348 kWh
3.777 kWh
forced-air
static
auto hot-gas defrost
+2°C to +4°C
-19°C to -21°C
415/550 mm
Composite/white
Sliding glass lid
Polystyrol/aluminium
white
Touch-controller/external digital
LED/visual
CAN-BUS/yes
4 + 1
Clear-coated wire
Stainless steel/80 mm
180/160 kg
3 / +10°C to +25°C
R 290
4.5 A/50 Hz/220–240V~
9086237/9086235
9086229/9086231/9086233
9086227
9086243/9086055
9086225
9096579/9096577
9086269/9086267
9086271
9086249
9096585
9086223
9086221
9086219
9590153

	250 cm	210 cm	End unit
Freezing	SGT 1322	SGT 1122	
Refrigeration and Freezing	ST 1322	ST 1122	STE 1122

Installation configurations

The units can be installed in various layouts:

- As a stand-alone unit

The appliance must be placed against a wall

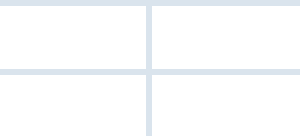


- Lined in a single row

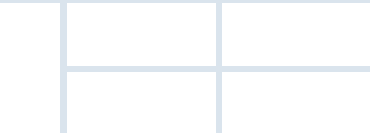
The appliance must be placed against a wall



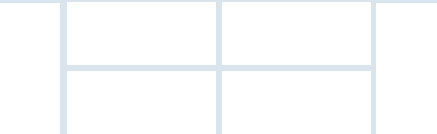
- As an island without end units



- As a refrigerator/freezer island with 1 or 2 end units



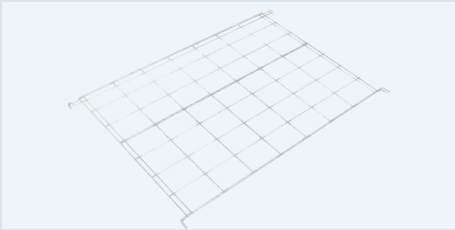
or



Accessories

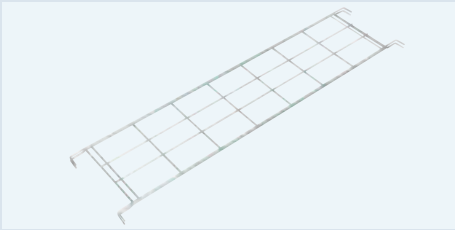
Full-height dividers

The dividers (available in two sizes) support optimum product presentation and allow flexible organisation of the interior.



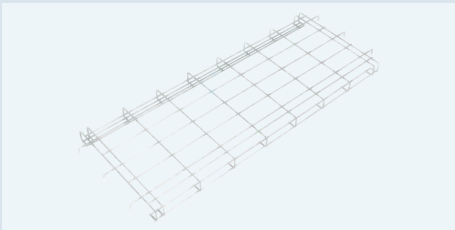
Reduced height dividers

The reduced height dividers can also be used as shelves and enable versatile product arrangement in the interior.



Shelf

To maximise versatility in product presentation, the shelves are available in three widths (235 mm, 300 mm, 385 mm). Quickly perishable goods or products in small quantities or small packages can be presented optimally near the load line height and brought to the attention of customers.



Ice scraper

To remove any remaining ice.



Protective bumper

The versatile bumper strips provide optimum protection to prevent damage to chest freezers e.g. caused by shopping carts.



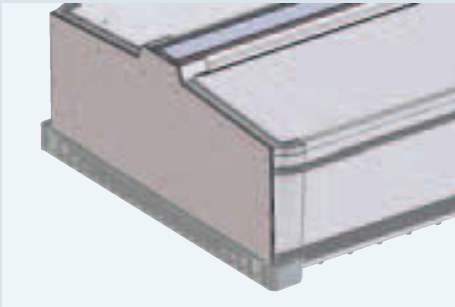
RFID key

At least one RFID key is required per store to enable access to the electronic control setting mode. The number of RFID keys per store can be freely selected by the customer.



Protective skirting

In supermarkets chest freezers can be damaged by impacts caused by forklifts or shopping carts. The protective skirting protects the chest freezers against direct impacts by forklifts and shopping carts or absorbs impacts because it is bolted to the floor at the end of the row.



Product plate holder

Special boards with information about the freezer contents can be mounted on the product plate holders. They help customers find desired products quickly.



Installation accessories

Cover plate (Island end wall panel)

For island layout without end units, a one- or two-piece panel can be fitted at the end of the row.



Installation alignment rail

This floor rail is used to align a row of cabinets where necessary.

Island centre cover

In an island layout this cover is fitted between the rows of freezers. This gives the island a closed appearance and prevents the accumulation of dirt between the freezers.



End unit connector

This connector (102 mm) is necessary when fitting an end unit to an island installation.



Electrical accessories

Lighting cable for manual control

The chest freezer lighting can optionally be controlled via a separate electrical circuit. The necessary lighting cable can be plugged directly into the chest freezer's electronic control system.

Network cable

To link cabinets together, one network cable is required for each chest freezer.

LAN terminal resistor

The chest freezer electronic control system uses a terminal resistor to detect the end of the island installation. One terminal resistor

Plug set for alarm output

With the plug set, an alarm device can be connected via a digital output for one single chest freezer.

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.



Smart communication on all fronts



Media App

Download all catalogues and videos to your tablet quickly and easily for instant off line access.



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 and Twitter.



socialmedia.home.liebherr.com

Learn all about our current social media channels

Subject to alterations. Printed in Germany by raif mediagroup. 7944980-00/3/05.2015

