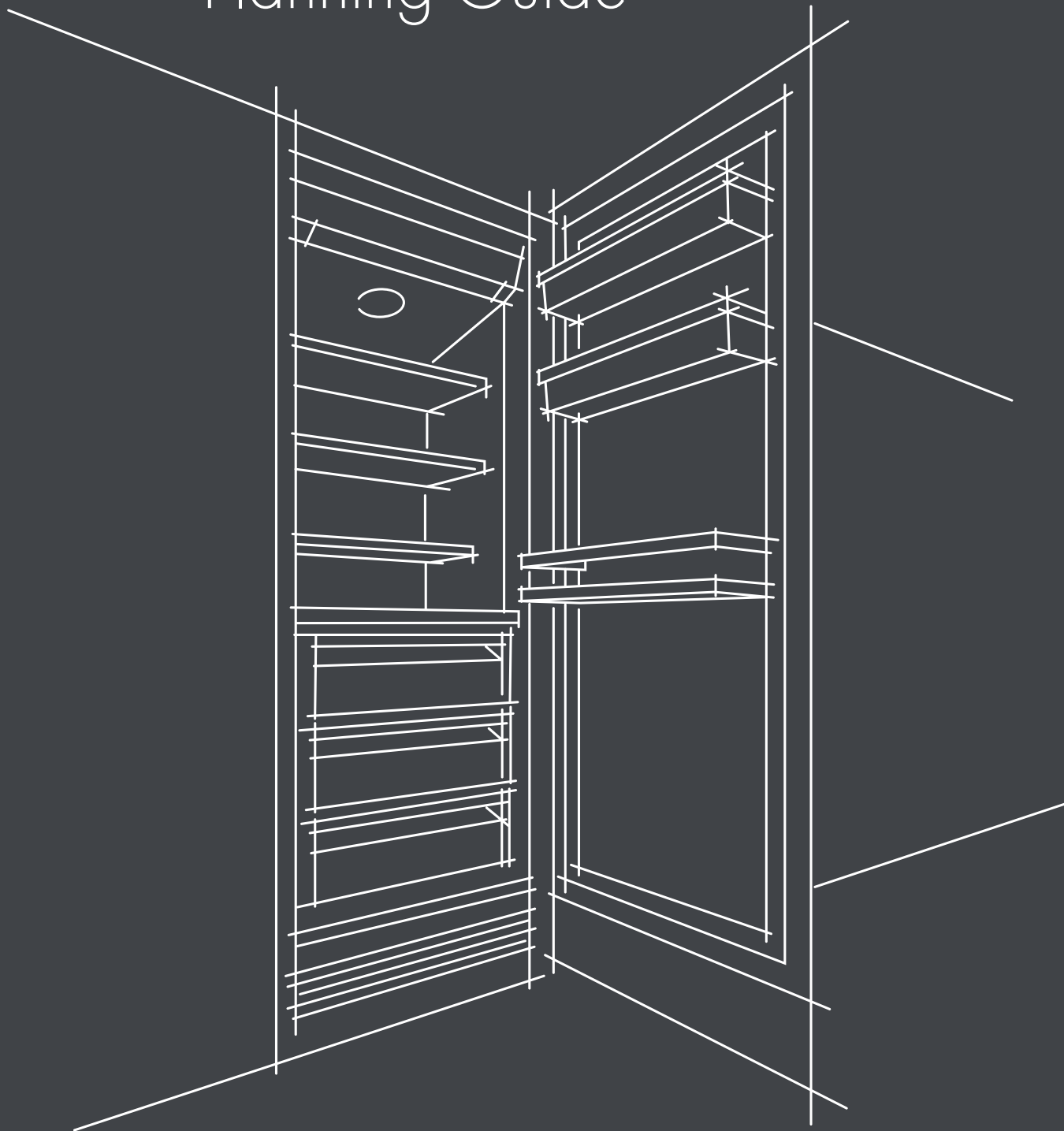# MONOLITH
Planning Guide

LIEBHERR

MONOLITH

New dimensions of refrigerating and freezing

MONOLITH
Cooling Redefined
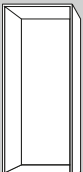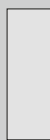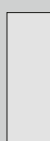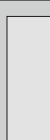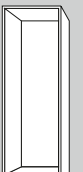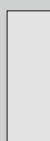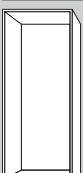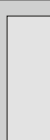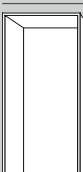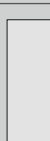
The Monolith stands for a new generation of built-in fridges and freezers. It is based on 60 years of innovation and German engineering, and it sets new standards for food storage.

Luxury features, impressive dimensions, modern components for maximum energy efficiency and innovative technologies such as PowerCooling, SmartDevice and BioFresh for storing food and keeping it fresh for significantly longer are what make Monolith appliances so unique. They also operate very quietly and can be combined in a variety of ways - entirely in line with individual requirements and configurations.

Monolith: New dimensions of refrigerating and freezing!

EGN 9171 | EKB 9471

Model overview

Model	Features					Door hinges [1] on delivery	Front [2] (*optional accessories)	
Fridge								
EKB 9271 ◄61,0► 213,4	Bio Fresh Plus	A++	Infinity Swipe	Infinity Light	Soft System	right, reversible	* stainless steel front	customer spec. door front
	Soft Telescopic	Smart Device	Super Cool	Power Cooling				
EKB 9471 ◄76,2► 213,4	Bio Fresh Plus	A++	Infinity Swipe	Infinity Light	Infinity Spring	right, reversible	* stainless steel front	customer spec. door front
	Soft Telescopic	Smart Device	Super Cool	Power Cooling	Soft System			
EKB 9671 ◄91,4► 213,4	Bio Fresh Plus	A++	Infinity Swipe	Infinity Light	Infinity Spring	right, reversible	* stainless steel front	customer spec. door front
	Soft Telescopic	Smart Device	Super Cool	Power Cooling	Soft System			
Freezer								
EGN 9171 ◄45,7► 213,4	No Frost	A+	Infinity Swipe	Infinity Light	Ice Maker	left, reversible	* stainless steel front	customer spec. door front
	Soft System	Soft Telescopic	Smart Device	Super Frost	Frost Safe System			
EGN 9271 ◄61,0► 213,4	No Frost	A+	Infinity Swipe	Infinity Light	Ice Maker	left, reversible	* stainless steel front	customer spec. door front
	Soft System	Soft Telescopic	Smart Device	Super Frost	Frost Safe System			
EGN 9471 ◄76,2► 213,4	No Frost	A+	Infinity Swipe	Infinity Light	Ice Maker	left, reversible	* stainless steel front	customer spec. door front
	Soft System	Soft Telescopic	Smart Device	Super Frost	Frost Safe System			
EGN 9671 ◄91,4► 213,4	No Frost	A+	Infinity Swipe	Infinity Light	Ice Maker	left, reversible	* stainless steel front	customer spec. door front
	Soft System	Soft Telescopic	Smart Device	Super Frost	Frost Safe System			

[1] Door hinge exchange set on page 31 required for reversing hinges. Reversals to be performed by a Liebherr authorised engineer.
[2] Door front dimensions and weights on pages 30 & 33.

Side-by-Side combination

The Monolith series offers a range of options for your new dream kitchen, as a stand-alone unit or as a fridge-freezer combination comprising two or more appliances. This creates numerous options for optimal food storage. The most frequent combinations of two appliances in each case are shown below. The Side-by-Side set on page 31 is required if there is less than 102 mm spacing between appliances.

◄106,7►
EGN 9171 Freezer
EKB 9271 Fridge
◄45,7► ◄61,0►

◄121,9►
EGN 9171 Freezer
EKB 9471 Fridge
◄45,7► ◄76,2►

◄122,0►
EGN 9271 Freezer
EKB 9271 Fridge
◄61,0► ◄61,0►

◄137,1►
EGN 9171 Freezer
EKB 9671 Fridge
◄45,7► ◄91,4►

◄137,2►
EGN 9271 Freezer
EKB 9471 Fridge
◄61,0► ◄76,2►

EGN 9471 Freezer
EKB 9271 Fridge
◄76,2► ◄61,0►

◄152,4►
EGN 9271 Freezer
EKB 9671 Fridge
◄61,0► ◄91,4►

EGN 9471 Freezer
EKB 9471 Fridge
◄76,2► ◄76,2►

EGN 9671 Freezer
EKB 9271 Fridge
◄91,4► ◄61,0►

◄167,6►
EGN 9471 Freezer
EKB 9671 Fridge
◄76,2► ◄91,4►

EGN 9671 Freezer
EKB 9471 Fridge
◄91,4► ◄76,2►

◄182,8►
EGN 9671 Freezer
EKB 9671 Fridge
◄91,4► ◄91,4►

EKB 9471

Features in brief:

The **InfinitySwipe** electronic touch screen consists of a bright and clear 3.5 inch display and, with "touch & swipe" technology, is intuitive to use.

Smart Device

The Monolith is supplied with a **SmartDeviceBox** which establishes a connection between a smartphone or tablet and the Monolith. This allows settings and functions to also be activated while you are on the move. Push messages report, for example, open doors or power failures.*

*SmartDevice functions not available in all countries.

Bio Fresh Plus

Soft Telescopic

At a temperature of slightly above 0 °C and in controllable humidity, fruit and vegetables, meat and dairy products keep fresh for considerably longer than in a conventional refrigeration compartment as a result of **BioFresh** technology. The practical **FlexSystem** helps with the sorting and clear organisation in the preferred BioFresh safe. The Monolith's third BioFresh safe goes a step further with the **Fish & Seafood safe**: Here it can reach temperatures of -2 °C, ideal for the storage of fresh fish and seafood. However, drinks can also be cooled down quickly in this safe. All BioFresh safes are fitted with **SoftTelescopic**, the convenient self-closing mechanism with gentle cushioned door closure, making it practical and safe for everyday use.

Infinity Spring

The **InfinitySpring** water dispenser is flush-mounted making it virtually invisible and allows standard-sized containers to be filled with cold water. A replaceable water filter ensures a constant supply of pure water. This is easily accessible and is located in the front section of the appliance plinth.

Power Cooling

The high-performance **PowerCooling** system ensures rapid and even cooling of food in the interior and - due to the special air ducting - also of food stored in the door racks. The integrated **FreshAir activated charcoal filter** prevents odours from forming and cleans the incoming air.

Infinity Light

The full-surface integrated LED lighting on the side wall creates an elegant and even light throughout the entire fridge compartment. This produces a soft light when the door is opened. The stunning **InfinityLight** not only adds flair, but thanks to the reduced heat emission, also protects the quality of the food.

The generous **door racks** provide plenty of space even for very large bottles and containers with a volume of several litres. All **storage shelves** in the interior are made from safety glass and are easily height-adjustable. This provides plenty of scope for use to meet your needs and individual requirements.

61.0cm Monolith refrigerator

EKB 9271

Bio Fresh Plus	A⁺⁺	Infinity Swipe	Infinity Light	Soft System	Soft Telescopic	Smart Device	Super Cool	Power Cooling

Energy efficiency class	A⁺⁺
Energy consumption kWh (year / 24h)	132 / 0.359
Noise output in dB(A)	39
Total net capacity of fridge in litres	337
of which BioFresh net capacity in litres	153
Number of storage shelves, of which height-adjustable	4 / 3
Number of door racks	3
Number of BioFresh / BioFresh-Plus safes with LED lighting	2 / 1
Electronic control	InfinitySwipe
Fridge temperature range in °C	+2 °C to +7 °C
Defrosting method	automatic
Interior lighting	InfinityLight
Integrated water dispenser	no
Water filter	no
Door hinge	right, reversible *
Appliance dimensions	
in cm (H / W / D)	212.6 / 60.2 / 61
Recess dimensions	
in cm (H / W / D)	213.4 / 61 / 63.5
Net weight in kg	152.0
Voltage in V~ / connected load in A	220-240 / 3.0

* Please contact the authorised Liebherr Monolith customer service for reversing the door hinge.

Optional accessories

· Flat brushed aluminium handle
· Square brushed aluminium handle
· Round stainless steel handle
· Stainless steel front
· Plinth panel made of stainless steel
· Side-by-Side set
· Door hinge exchange set

Appliance dimensions

602 mm · 610 mm · 2126 mm · 96 mm · 65 mm

IMPORTANT!
The adjustable feet are fully retracted for the minimum height stated.

The appliance height is raised by a maximum of 26 mm by turning the adjustable feet. This produces a plinth panel height of 102 mm, and the plinth panel should be completed with a cut edge. Once the appliance has been positioned in the recess, it is raised using the adjustable feet - in each case from the front of the appliance - so that the appliance comes into contact with the anti-tipping bracket.

610 mm · 610 mm · A · B · C · 90° · 115°

Internal door panel
A = 273 mm
B = 12.5 mm
C = 658 mm

External door panel
A = 279 mm
B = 12.5 mm
C = 670 mm

Dimension A = without fitted door handle

Recess dimensions

Individual plinth panel

610 mm · D 76 mm · D 76 mm · 2134 mm · B · E · C · A

Continuous plinth panel

610 mm · D 76 mm · D 76 mm · 2134 mm · 72 - 106 mm · B · E · C · A · 102 mm

A
Unit depth
with external door panel installation: 635 mm
with internal door panel installation: 635 mm + thickness of custom panel.

B
Point at which the mains cable exits from the rear of the appliance (19 mm from the left and 127 mm from the floor). The free length of the mains cable is 2.5 m.

C
The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D
This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E
The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Door front dimensions

and dimensions of free length for power

W · H · ~2400 · ~1850

Integrated installation
H = 2029 mm
W = 603 mm

Frameless installation
H = 2032 mm
(plus the dimensions of overlapping of the panel on the top)
W = 610 mm
(plus the dimensions of overlapping of the panel on both sides)

Thickness of the front: min. 16 mm / max. 30 mm
Weight of front: max. 24 kg

Installations behind the appliance are not possible.

C

For further relevant planning and safety requirements see pages 32-39.

76.2 cm Monolith refrigerator

EKB 9471

Bio Fresh Plus	A++	Infinity Swipe · Infinity Light · Infinity Spring · Soft Telescopic · Smart Device · Super Cool · Power Cooling · Soft System

Energy efficiency class	A⁺⁺
Energy consumption kWh (year / 24h)	142 / 0.389
Noise output in dB(A)	39
Total net capacity of fridge in litres	441
of which BioFresh net capacity in litres	199
Number of storage shelves, of which height-adjustable	4 / 3
Number of door racks	3
Number of BioFresh / BioFresh-Plus safes with LED lighting	2 / 1
Electronic control	InfinitySwipe
Fridge temperature range in °C	+2 °C to +7 °C
Defrosting method	automatic
Interior lighting	InfinityLight
Integrated water dispenser / fixed water connection 3/4"	InfinitySpring
Water filter	yes
Door hinge	right, reversible *
Appliance dimensions	
in cm (H / W / D)	212.6 / 75.4 / 61
Recess dimensions	
in cm (H / W / D)	213.4 / 76.2 / 63.5
Net weight in kg	179.0
Voltage in V~ / connected load in A	220-240 / 3.0

* Please contact the authorised Liebherr Monolith customer service for reversing the door hinge.

Optional accessories

· Flat brushed aluminium handle
· Square brushed aluminium handle
· Round stainless steel handle
· Stainless steel front
· Plinth panel made of stainless steel
· Side-by-Side set
· Door hinge exchange set

Optional accessories on page 30-31.

Appliance dimensions

754 mm · 610 mm · 762 mm · 2126 mm · 96 mm · 65 mm · 610 mm · 90° · 115°

IMPORTANT!
The adjustable feet are fully retracted for the minimum height stated.

The appliance height is raised by a maximum of 26 mm by turning the adjustable feet. This produces a plinth panel height of 102 mm, and the plinth panel should be completed with a cut edge. Once the appliance has been positioned in the recess, it is raised using the adjustable feet - in each case from the front of the appliance - so that the appliance comes into contact with the anti-tipping bracket.

Internal door panel
A = 337 mm
B = 12.5 mm
C = 810 mm

External door panel
A = 343 mm
B = 12.5 mm
C = 822 mm

Dimension A = without fitted door handle

Recess dimensions

Individual plinth panel
762 mm · D 76 mm · D 76 mm · 2134 mm · A · B · E · C

Continuous plinth panel
762 mm · D 76 mm · D 76 mm · 2134 mm · 72 - 106 mm · A · B · E · C · 102 mm

A
Unit depth
with external door panel installation: 635 mm
with internal door panel installation: 635 mm + thickness of custom panel.

B
Point at which the mains cable exits from the rear of the appliance (19 mm from the left and 127 mm from the floor). The free length of the mains cable is 2.5 m.

C
The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D
This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E
The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Door front dimensions

and dimensions of free length for power / water

W · H · ~1850 · ~2250 · ~2400 · ~1700

Integrated installation
H = 2029 mm
W = 756 mm

Frameless installation
H = 2032 mm
(plus the dimensions of overlapping of the panel on the top)
W = 762 mm
(plus the dimensions of overlapping of the panel on both sides)

Thickness of the front: min. 16 mm / max. 30 mm
Weight of front: max. 30 kg

Installations behind the appliance are not possible.

C

For further relevant planning and safety requirements see pages 32-39.

91.4cm Monolith refrigerator

91,4

EKB 9671

Bio Fresh Plus	A++	Infinity Swipe	Infinity Light	Infinity Spring	Soft Telescopic	Smart Device	Super Cool	Power Cooling	Soft System

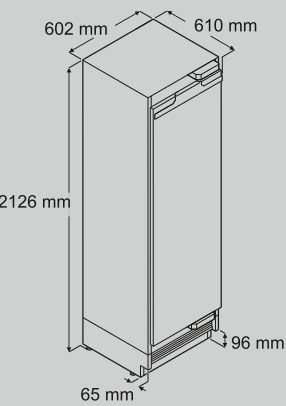|	
Energy efficiency class	A++
Energy consumption kWh (year / 24h)	152 / 0.416
Noise output in dB(A)	39
Total net capacity of fridge in litres	544
of which BioFresh net capacity in litres	245
Number of storage shelves, of which height-adjustable	4 / 3
Number of door racks	3
Number of BioFresh / BioFresh-Plus safes with LED lighting	2 / 1
Electronic control	InfinitySwipe
Fridge temperature range in °C	+2 °C to +7 °C
Defrosting method	automatic
Interior lighting	InfinityLight
Integrated water dispenser / fixed water connection 3/4"	InfinitySpring
Water filter	yes
Door hinge	right, reversible *
Appliance dimensions	
in cm (H / W / D)	212.6 / 90.9 / 61
Recess dimensions	
in cm (H / W / D)	213.4 / 91.4 / 63.5
Net weight in kg	198.0
Voltage in V~ / connected load in A	220-240 / 3.0

* Please contact the authorised Liebherr Monolith customer service for reversing the door hinge.

Optional accessories

· Flat brushed aluminium handle
· Square brushed aluminium handle
· Round stainless steel handle
· Stainless steel front
· Plinth panel made of stainless steel
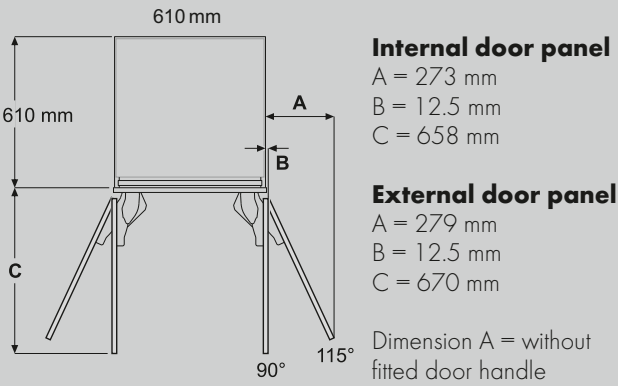· Side-by-Side set
· Door hinge exchange set

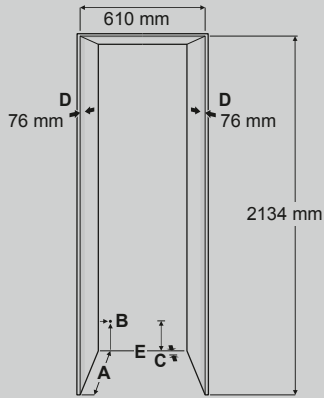Optional accessories on page 30-31.

Appliance dimensions

IMPORTANT!
The adjustable feet are fully retracted for the minimum height stated.

The appliance height is raised by a maximum of 26 mm by turning the adjustable feet. This produces a plinth panel height of 102 mm, and the plinth panel should be completed with a cut edge. Once the appliance has been positioned in the recess, it is raised using the adjustable feet - in each case from the front of the appliance - so that the appliance comes into contact with the anti-tipping bracket.
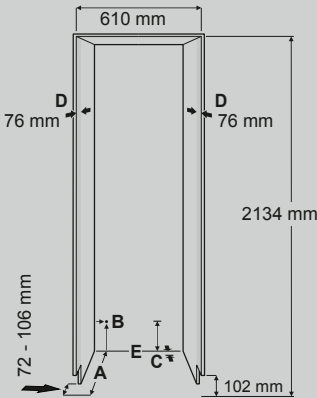
Internal door panel
A = 400 mm
B = 12.5 mm
C = 962 mm

External door panel
A = 416 mm
B = 12.5 mm
C = 975 mm

Dimension A = without fitted door handle
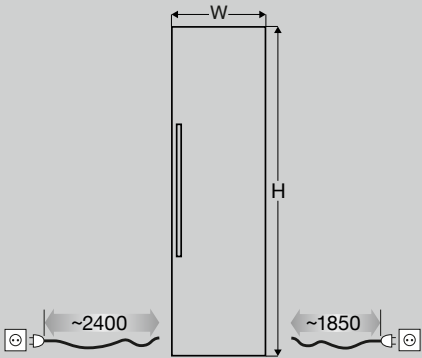
Recess dimensions

Individual plinth panel

Continuous plinth panel

A
Unit depth
with external door panel installation: 635 mm
with internal door panel installation: 635 mm + thickness of custom panel.

B
Point at which the mains cable exits from the rear of the appliance (19 mm from the left and 127 mm from the floor). The free length of the mains cable is 2.5 m.

C
The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D
This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E
The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Door front dimensions

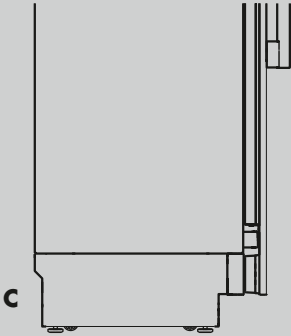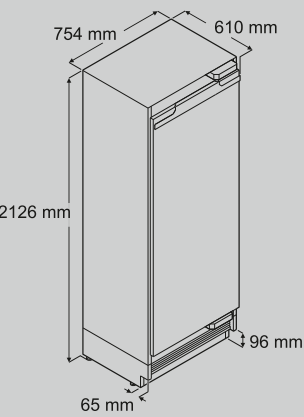and dimensions of free length for power / water

Integrated installation
H = 2029 mm
W = 908 mm

Frameless installation
H = 2032 mm
(plus the dimensions of overlapping of the panel on the top)
W = 914 mm
(plus the dimensions of overlapping of the panel on both sides)

Thickness of the front: min. 16 mm / max. 30 mm
Weight of front: max. 40 kg

Installations behind the appliance are not possible.

For further relevant planning and safety requirements see pages 32-39.

EGN 9171

Features in brief:

The automatic **IceMaker** creates 1.6 kg of filtered ice in 24 hours. The production capacity can be increased even further by activating the SuperFrost function. With a storage volume of 1.8 kg, there is always sufficient ice available. A replaceable water filter is located in the front section of the appliance plinth and is easily accessible.

NoFrost technology freezes frozen food with cooled re-circulated air and removes the humidity. This keeps the freezer compartment ice-free at all times, and food is no longer covered in frost. NoFrost convenience means defrosting is no longer necessary. The enclosed removable freezer drawers of the **FrostSafe system** protect the frozen food from unwanted air exchange and the loss of cold air when the door is opened. The drawers are transparent and fitted with telescopic rails to provide the perfect overview. All drawers are fitted with **SoftTelescopic**: the convenient self-closing mechanism with a gentle cushioned door closure making it practical and safe for everyday use.
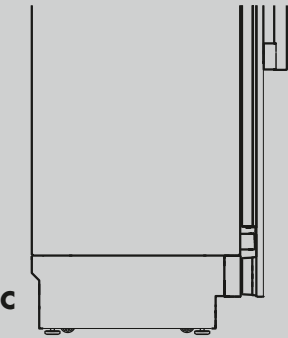
Thanks to the **SoftSystem** closing damping, the doors close gently and quietly even when fully loaded. Depending on the size of the Monolith, its door hinges can hold up to 40 kg.

The full-surface integrated LED lighting on the side wall creates an elegant and even light throughout the entire freezer compartment. This produces a soft light when the door is opened. The stunning **InfinityLight** not only adds flair, but thanks to the reduced heat emission, also protects the quality of the food.

Plenty of space in the innovative **freezer compartments** and in the door. The transparent **door racks in the freezer door** are height-adjustable, providing lots of space for smaller items. The special air ducting system in the freezer area ensures that the cold air is able to move constantly. This keeps the temperature constant, which optimises food storage.

The **SuperFrost** function quickly lowers the temperature to preserve vitamins when freezing. Once the freezing is complete, it switches back to normal operation after a maximum of 65 hours and helps save electricity. This and other functions can also be easily controlled via **SmartDevice services** when you are on the move.

45.7 cm Monolith freezer

EGN 9171

No Frost	A⁺	Infinity Swipe	Infinity Light	Ice Maker	Soft System	Soft Telescopic	Smart Device	Super Frost	Frost Safe System

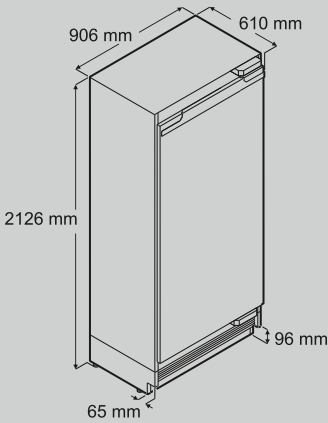|	
Energy efficiency class	A
Energy consumption kWh (year / 24h)	283 / 0.775
Noise output in dB(A)	39
Net capacity of freezer in litres	218
Number of storage shelves, of which height-adjustable	4 / 3
Number of door racks	3
Number of FrostSafe drawers	3
Electronic control	InfinitySwipe
Temperature range of freezer °C	-14 °C to -27 °C
Defrosting method	automatic
Interior lighting	InfinityLight
IceMaker	Fixed water connection 3/4"
Water filter	yes
Ice cube production in 24 h / kg	1.6
Ice cube storage capacity in kg	1.8
Storage time in event of a fault in hours	14
Freezing capacity in 24 h / kg	12
Door hinge	left, reversible *
Appliance dimensions	
in cm (H / W / D)	212.6 / 45 / 61
Recess dimensions	
in cm (H / W / D)	213.4 / 45.7 / 63.5
Net weight in kg	137.0
Voltage in V~ / connected load in A	220-240 / 3.0

* Please contact the authorised Liebherr Monolith customer service for reversing the door hinge.

Optional accessories

· Flat brushed aluminium handle
· Square brushed aluminium handle
· Round stainless steel handle
· Stainless steel front
· Plinth panel made of stainless steel
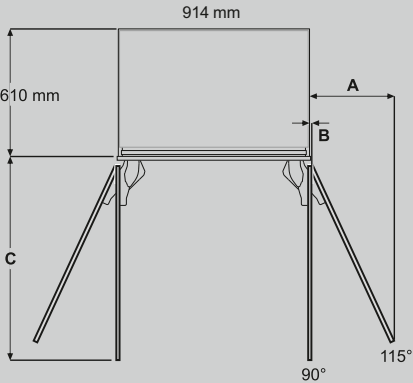· Side-by-Side set
· Door hinge exchange set

Optional accessories on page 30-31.

Appliance dimensions

IMPORTANT!
The adjustable feet are fully retracted for the minimum height stated.

The appliance height is raised by a maximum of 26 mm by turning the adjustable feet. This produces a plinth panel height of 102 mm, and the plinth panel should be completed with a cut edge. Once the appliance has been positioned in the recess, it is raised using the adjustable feet - in each case from the front of the appliance - so that the appliance comes into contact with the anti-tipping bracket.
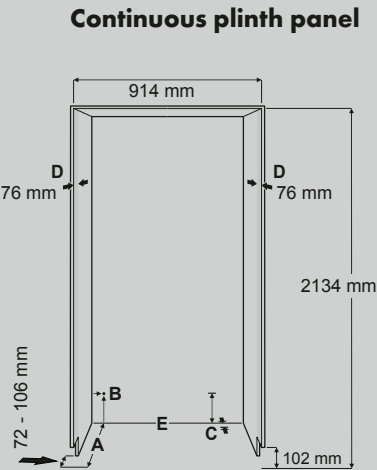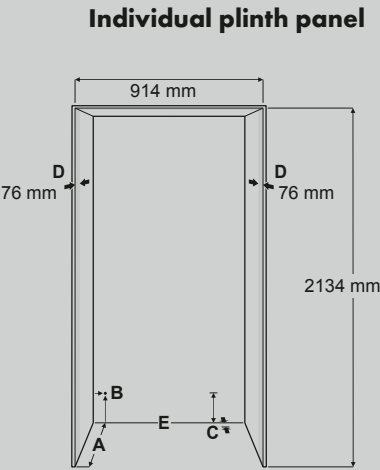

Internal door panel
A = 210 mm
B = 12.5 mm
C = 505 mm

External door panel
A = 216 mm
B = 12.5 mm
C = 517 mm
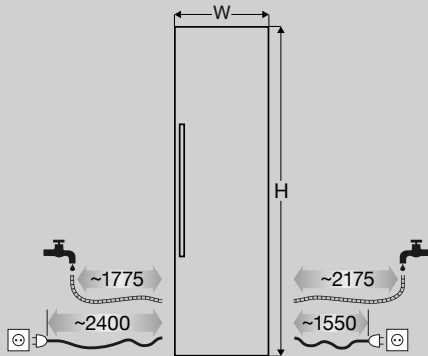
Dimension A = without fitted door handle

Recess dimensions

Individual plinth panel

Continuous plinth panel

A
Unit depth
with external door panel installation: 635 mm
with internal door panel installation: 635 mm + thickness of custom panel.

B
Point at which the mains cable exits from the rear of the appliance (19 mm from the left and 127 mm from the floor). The free length of the mains cable is 2.5 m.

C
The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D
This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E
The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Door front dimensions

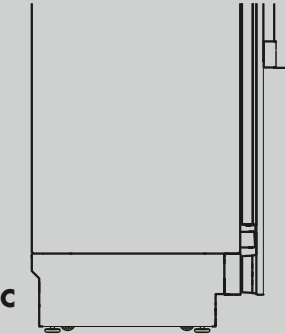and dimensions of free length for power / water

Integrated installation
H = 2029 mm
W = 451 mm

Frameless installation
H = 2032 mm
(plus the dimensions of overlapping of the panel on the top)
W = 457 mm
(plus the dimensions of overlapping of the panel on both sides)

Thickness of the front: min. 16 mm / max. 30 mm
Weight of front: max. 18 kg

Installations behind the appliance are not possible.
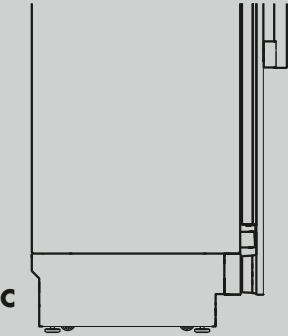
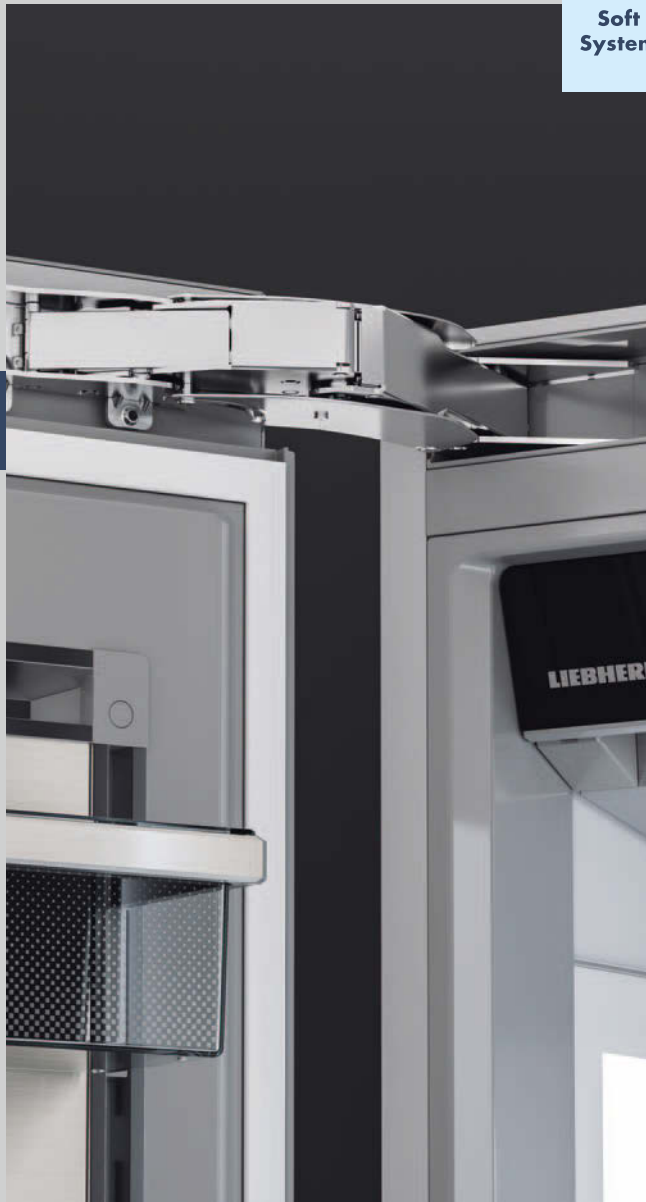**For further relevant planning and safety requirements see pages 32-39.**

61.0cm Monolith freezer

‹ 61,0 ›

EGN 9271

No Frost	A⁺	Infinity Swipe	Infinity Light	Ice Maker	Soft System	Soft Telescopic	Smart Device	Super Frost	Frost Safe System

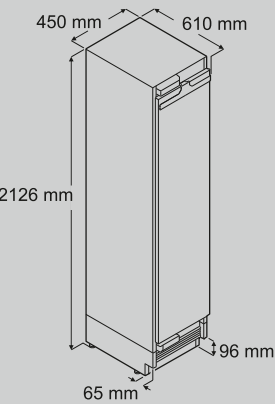|	
Energy efficiency class	Ⓐ
Energy consumption kWh (year / 24h)	299 / 0.817
Noise output in dB(A)	39
Net capacity of freezer in litres	322
Number of storage shelves, of which height-adjustable	4 / 3
Number of door racks	3
Number of FrostSafe drawers	3
Electronic control	InfinitySwipe
Temperature range of freezer °C	-14 °C to -27 °C
Defrosting method	automatic
Interior lighting	InfinityLight
IceMaker	Fixed water connection 3/4"
Water filter	yes
Ice cube production in 24 h / kg	1.6
Ice cube storage capacity in kg	1.8
Storage time in event of a fault in hours	19
Freezing capacity in 24 h / kg	12
Door hinge	left, reversible *
Appliance dimensions	
in cm (H / W / D)	212.6 / 60.2 / 61
Recess dimensions	
in cm (H / W / D)	213.4 / 61 / 63.5
Net weight in kg	156.0
Voltage in V~ / connected load in A	220-240 / 3.0

* Please contact the authorised Liebherr Monolith customer service for reversing the door hinge.

Optional accessories

· Flat brushed aluminium handle
· Square brushed aluminium handle
· Round stainless steel handle
· Stainless steel front
· Plinth panel made of stainless steel
· Side-by-Side set
· Door hinge exchange set

Optional accessories on page 30-31.

Appliance dimensions

602 mm 610 mm
610 mm
2126 mm
96 mm
65 mm

IMPORTANT!
The adjustable feet are fully retracted for the minimum height stated.

The appliance height is raised by a maximum of 26 mm by turning the adjustable feet. This produces a plinth panel height of 102 mm, and the plinth panel should be completed with a cut edge. Once the appliance has been positioned in the recess, it is raised using the adjustable feet - in each case from the front of the appliance - so that the appliance comes into contact with the anti-tipping bracket.

610 mm
610 mm
A
B
C
90° 115°

Internal door panel
A = 273 mm
B = 12.5 mm
C = 658 mm

External door panel
A = 279 mm
B = 12.5 mm
C = 670 mm

Dimension A = without fitted door handle

Recess dimensions

Individual plinth panel

610 mm
D D
76 mm 76 mm
2134 mm
B
E C
A

Continuous plinth panel

610 mm
D D
76 mm 76 mm
2134 mm
72 - 106 mm
B
E C
A
102 mm

A
Unit depth
with external door panel installation: 635 mm
with internal door panel installation: 635 mm + thickness of custom panel.

B
Point at which the mains cable exits from the rear of the appliance (19 mm from the left and 127 mm from the floor). The free length of the mains cable is 2.5 m.

C
The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D
This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E
The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Door front dimensions
and dimensions of free length for power / water

W
H
~1925 ~2325
~2400 ~1850

Integrated installation
H = 2029 mm
W = 603 mm

Frameless installation
H = 2032 mm
(plus the dimensions of overlapping of the panel on the top)
W = 610 mm
(plus the dimensions of overlapping of the panel on both sides)

Thickness of the front: min. 16 mm / max. 30 mm
Weight of front: max. 24 kg

Installations behind the appliance are not possible.

C

For further relevant planning and safety requirements see pages 32-39.

76.2 cm Monolith freezer

76.2

Optional accessories

· Flat brushed aluminium handle
· Square brushed aluminium handle
· Round stainless steel handle
· Stainless steel front
· Plinth panel made of stainless steel
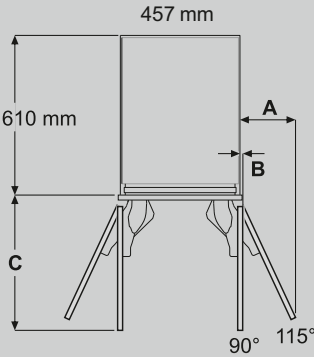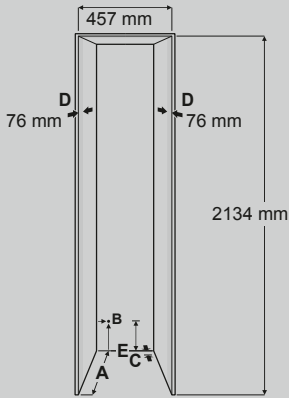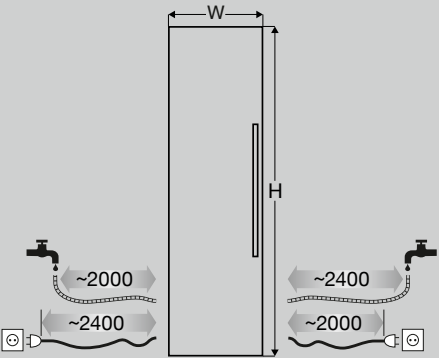· Side-by-Side set
· Door hinge exchange set

Optional accessories on page 30-31.

EGN 9471

No Frost	A⁺	Infinity Swipe	Infinity Light	Ice Maker	Soft System	Soft Telescopic	Smart Device	Super Frost	Frost Safe System

Energy efficiency class	A
Energy consumption kWh (year / 24h)	428 / 1.170
Noise output in dB(A)	39
Net capacity of freezer in litres	425
Number of storage shelves, of which height-adjustable	4 / 3
Number of door racks	3
Number of FrostSafe drawers	3
Electronic control	InfinitySwipe
Temperature range of freezer °C	-14 °C to -27 °C
Defrosting method	automatic
Interior lighting	InfinityLight
IceMaker	Fixed water connection 3/4"
Water filter	yes
Ice cube production in 24 h / kg	1.6
Ice cube storage capacity in kg	1.8
Storage time in event of a fault in hours	22
Freezing capacity in 24 h / kg	10
Door hinge	left, reversible *
Appliance dimensions	
in cm (H / W / D)	212.6 / 75.6 / 61
Recess dimensions	
in cm (H / W / D)	213.4 / 76.2 / 63.5
Net weight in kg	161.0
Voltage in V~ / connected load in A	220-240 / 3.0

* Please contact the authorised Liebherr Monolith customer service for reversing the door hinge.

Appliance dimensions

754 mm · 610 mm · 762 mm · 610 mm · 2126 mm · 96 mm · 65 mm · 90° · 115°

IMPORTANT!
The adjustable feet are fully retracted for the minimum height stated.

The appliance height is raised by a maximum of 26 mm by turning the adjustable feet. This produces a plinth panel height of 102 mm, and the plinth panel should be completed with a cut edge. Once the appliance has been positioned in the recess, it is raised using the adjustable feet - in each case from the front of the appliance - so that the appliance comes into contact with the anti-tipping bracket.

Internal door panel
A = 337 mm
B = 12.5 mm
C = 810 mm

External door panel
A = 343 mm
B = 12.5 mm
C = 822 mm

Dimension A = without fitted door handle

Recess dimensions

Individual plinth panel

762 mm · D 76 mm · D 76 mm · 2134 mm · B · E · C · A

Continuous plinth panel

762 mm · D 76 mm · D 76 mm · 2134 mm · 72 - 106 mm · B · E · C · A · 102 mm

A
Unit depth
with external door panel installation: 635 mm
with internal door panel installation: 635 mm + thickness of custom panel.

B
Point at which the mains cable exits from the rear of the appliance (19 mm from the left and 127 mm from the floor). The free length of the mains cable is 2.5 m.

C
The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D
This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E
The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Door front dimensions

and dimensions of free length for power / water

W · H · ~1850 · ~2250 · ~2400 · ~1700

Integrated installation
H = 2029 mm
W = 756 mm

Frameless installation
H = 2032 mm
(plus the dimensions of overlapping of the panel on the top)
W = 762 mm
(plus the dimensions of overlapping of the panel on both sides)

Thickness of the front: min. 16 mm / max. 30 mm
Weight of front: max. 30 kg

Installations behind the appliance are not possible.

C

For further relevant planning and safety requirements see pages 32-39.

91.4cm Monolith freezer

91,4

Optional accessories

· Flat brushed aluminium handle
· Square brushed aluminium handle
· Round stainless steel handle
· Stainless steel front
· Plinth panel made of stainless steel
· Side-by-Side set
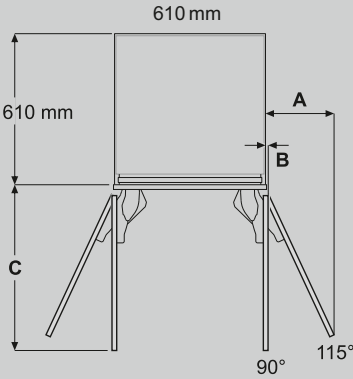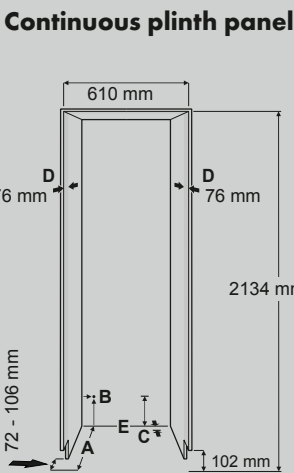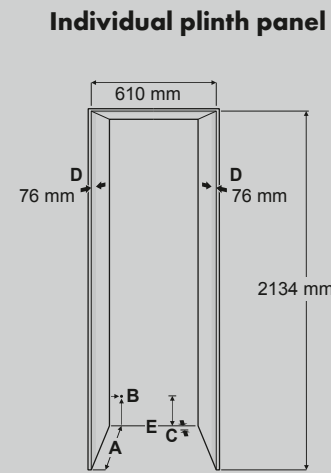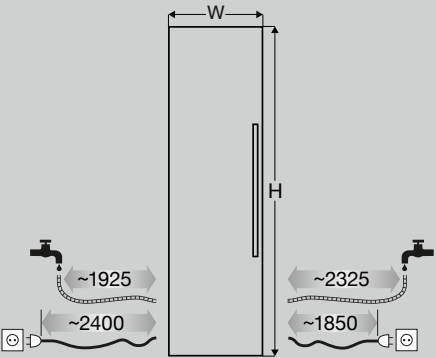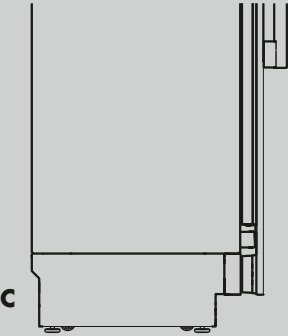· Door hinge exchange set

Optional accessories on page 30-31.

EGN 9671

| No Frost | A⁺ | Infinity Swipe | Infinity Light | Ice Maker | Soft System | Soft Telescopic | Smart Device | Super Frost | Frost Safe System |

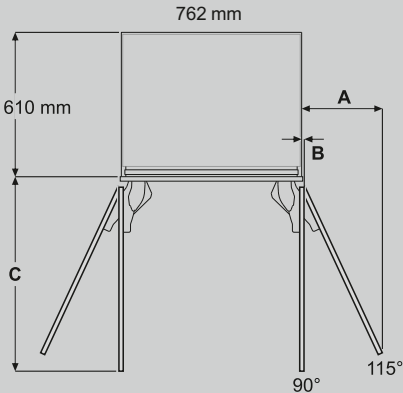|	
Energy efficiency class	Ⓐ
Energy consumption kWh (year / 24h)	500 / 1.369
Noise output in dB(A)	39
Net capacity of freezer in litres	529
Number of storage shelves, of which height-adjustable	4 / 3
Number of door racks	3
Number of FrostSafe drawers	3
Electronic control	InfinitySwipe
Temperature range of freezer °C	-14 °C to -27 °C
Defrosting method	automatic
Interior lighting	InfinityLight
IceMaker	Fixed water connection 3/4"
Water filter	yes
Ice cube production in 24 h / kg	1.6
Ice cube storage capacity in kg	1.8
Storage time in event of a fault in hours	25
Freezing capacity in 24 h / kg	10
Door hinge	left, reversible *
Appliance dimensions	
in cm (H / W / D)	212.6 / 90.9 / 61
Recess dimensions	
in cm (H / W / D)	213.4 / 91.4 / 63.5
Net weight in kg	191.0
Voltage in V~ / connected load in A	220-240 / 3.0

* Please contact the authorised Liebherr Monolith customer service for reversing the door hinge.

Appliance dimensions

906 mm
610 mm
2126 mm
96 mm
65 mm
914 mm
610 mm
A
B
C
90°
115°

IMPORTANT!
The adjustable feet are fully retracted for the minimum height stated.

The appliance height is raised by a maximum of 26 mm by turning the adjustable feet. This produces a plinth panel height of 102 mm, and the plinth panel should be completed with a cut edge. Once the appliance has been positioned in the recess, it is raised using the adjustable feet - in each case from the front of the appliance - so that the appliance comes into contact with the anti-tipping bracket.
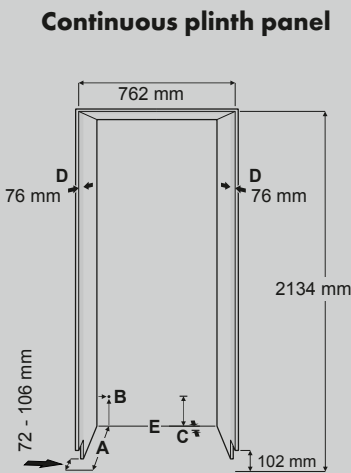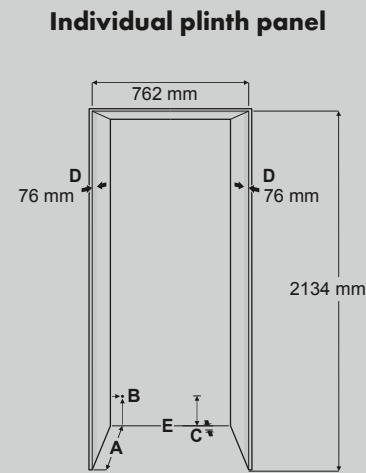
Internal door panel
A = 400 mm
B = 12.5 mm
C = 962 mm

External door panel
A = 416 mm
B = 12.5 mm
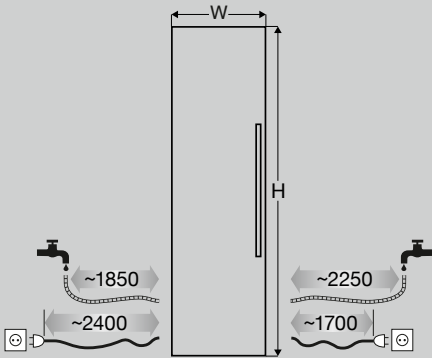C = 975 mm

Dimension A = without fitted door handle

Recess dimensions

Individual plinth panel

914 mm
D 76 mm
D 76 mm
2134 mm
B
E
C
A

Continuous plinth panel

914 mm
D 76 mm
D 76 mm
2134 mm
72 - 106 mm
B
E
C
A
102 mm

A
Unit depth
with external door panel installation: 635 mm
with internal door panel installation: 635 mm + thickness of custom panel.

B
Point at which the mains cable exits from the rear of the appliance (19 mm from the left and 127 mm from the floor). The free length of the mains cable is 2.5 m.

C
The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D
This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E
The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Door front dimensions

and dimensions of free length for power / water

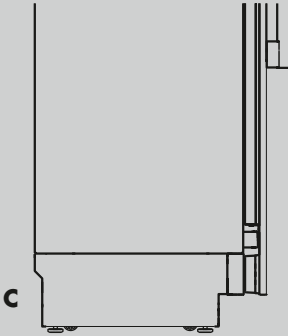

W
H
~1775
~2175
~2400
~1550

Integrated installation
H = 2029 mm
W = 908 mm

Frameless installation
H = 2032 mm
(plus the dimensions of overlapping of the panel on the top)
W = 914 mm
(plus the dimensions of overlapping of the panel on both sides)

Thickness of the front: min. 16 mm / max. 30 mm
Weight of front: max. 40 kg

Installations behind the appliance are not possible.

C

For further relevant planning and safety requirements see pages 32-39.

Optional accessories

Stainless steel fronts

The holes for fitting the handle have been drilled centrally with a spacing of 770 mm in order that the stainless steel front (Height: 2028 mm, Depth: 19 mm) can be turned by 180° in the event that a door hinge is changed.

45.7 cm	9901 916
61.0 cm	9901 883
76.2 cm	9901 872
91.4 cm	9901 458

45.7 cm	61.0 cm	76.2 cm	91.4 cm
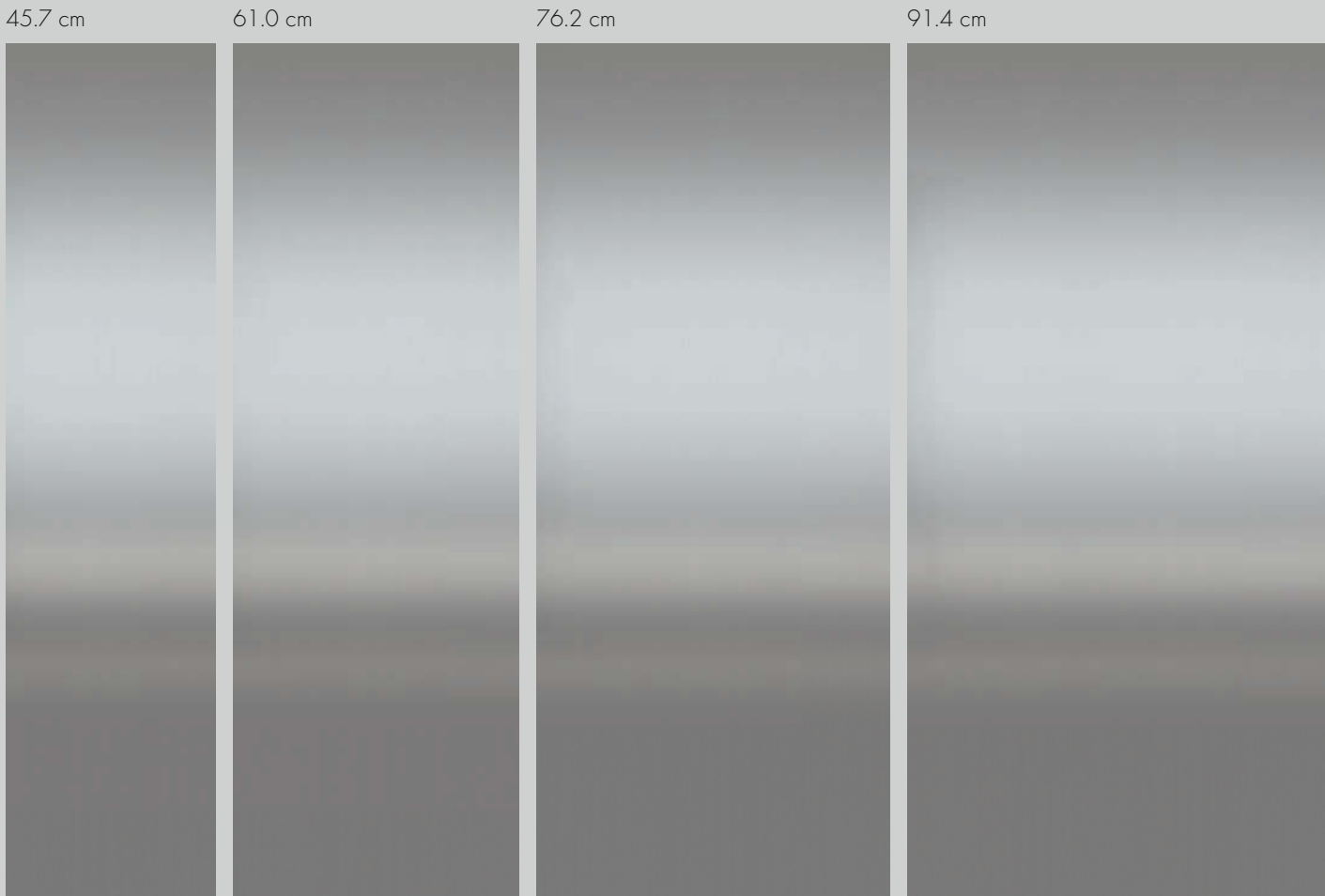
Handles

Fastening screws are included in the scope of delivery. The spacing between the two screw holes is 770 mm and the handle length is 810 mm.

1	**Flat brushed aluminium handle (Depth: 48 mm)**	9901 461
2	**Square brushed aluminium handle (Depth: 55 mm)**	9901 492
3	**Round stainless steel handle (Depth: 62 mm)**	9901 489

Stainless steel plinth panels

Plinths are 102 mm high.

45.7 cm	9901 493	**121.9 cm**	9901 765
61.0 cm	9901 496	**137.1 cm**	9901 787
76.2 cm	9901 530	**152.4 cm**	9902 366
91.4 cm	9902 349	**182.8 cm**	9902 390
106.7 cm	9901 552		

Side-by-Side set

A Side-by-Side set is required if there is less than 102 mm spacing between appliances. The set includes side wall heating to prevent condensation between appliances as well as metal brackets and screws for connecting the appliances. The set needs to be fitted to the right hand side of the appliance to its left. Decorative trim is also included for covering the gap (approx. 6-8 mm) between the two appliances when installed. No additional mains connection is required for the side wall heating, a slot is provided for this on the rear of the appliance.

Can be used with all Monolith model combinations	9901 428

Door hinge exchange set

To be used when reversing factory-fitted hinges. **To be performed by a Liebherr authorised engineer.**	9902 399

Planning information

Installation space requirements

The space in which the appliance is to be installed must meet the following requirements:

- The floor must be capable of bearing the weight of the appliance plus - depending on the net capacity of the model - approx. min. 218 kg to max. 544 kg of food.

- The floor should be level. The fridge must be supported or levelled at floor level to ensure that the ventilation openings are clear.

- The recess dimensions in the installation location have been correctly measured.

- The power socket is located in the correct position.

In order to transport the Monolith to the installation location, the door heights must also be considered on the route taken for transportation with the appliance packed and tilted.

Model	max. height (mm)
EGN 9171 EGN 9271 EKB 9271	2396
EGN 9471 EKB 9471	2414
EGN 9671 EKB 9671	2469

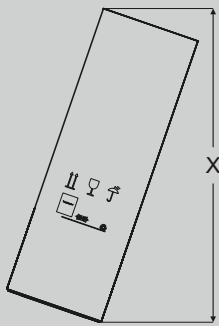The appliance should only be installed next to Liebherr fridges and freezers. The Liebherr models are designed to be set up Side-by-Side. A Side-by-Side set is necessary for this (for separate accessories, see page 31). If a Monolith appliance is installed next to another fridge or freezer, this may result in condensation or damage the Liebherr appliance.

Recess requirements

When planning the recess and the safe installation it is important to make sure that the top and carcass walls line up flush with the appliance at a depth of at least 102 mm from the outside edge and are comprised of appropriately thick material (at least 16 mm).

Because the unit recess is partially visible when the appliance door is opened, it should be ensured that the inside matches the unit surface at the top and at the side and also has a minimum depth of 102 mm.

The scope of supply of the Monolith appliances includes a decorative trim for covering the gap between the appliance and side walls of the fitted unit.

Monolith appliances are designed for flush installation in units with a depth of 635 mm with stainless steel fronts or customer-specific panels, according to the design of the kitchen, available as an accessory.

Wooden fronts generally have a thickness of 19 mm, however thicker fronts and other materials may also be used. Because the carcass sides are visible, designed carcass finishes from the kitchen manufacturer are recommended.

In the case of customer-specific models, it must also be ensured that, for the door hinge, the maximum permitted front weight of the respective model is not exceeded.

IMPORTANT

In order to prevent potential damage to the fridge, the appliance should be left to stand for one hour in the installation location before switching on in order that the fluids in the coolant and lubrication system can distribute evenly.

Door front dimensions and weights

Model	H Internal door panel installation	W Internal door panel installation	H External door panel installation	W External door panel installation	Max. front weight
EKB 9271	2029 mm	603 mm	2032 mm [1]	610 mm [2]	24 kg
EKB 9471	2029 mm	756 mm	2032 mm [1]	762 mm [2]	30 kg
EKB 9671	2029 mm	908 mm	2032 mm [1]	914 mm [2]	40 kg
EGN 9171	2029 mm	451 mm	2032 mm [1]	457 mm [2]	18 kg
EGN 9271	2029 mm	603 mm	2032 mm [1]	610 mm [2]	24 kg
EGN 9471	2029 mm	756 mm	2032 mm [1]	762 mm [2]	30 kg
EGN 9671	2029 mm	908 mm	2032 mm [1]	914 mm [2]	40 kg

[1] Overlap of the front at the top not taken into account.
[2] Overlap of the front on right and left not taken into account.

The depth of the Monolith appliances is 610 mm which means that they may be installed without difficulty in a fitted unit of standard European depth (610 mm) but also in deeper cut-outs of 635 mm in order to provide flexible installation options.

In the case of flush installation, the door front dimensions for installation with an internal door panel must be used.

For all other installation options, the door spacing requirements must be observed (page 37) in order to determine the door front dimensions.

Standard overlap

Appliance depth 610 mm — Cut-out depth 610 mm

External door panel

Appliance depth 610 mm — Cut-out depth 610 mm

Internal door panel

Appliance depth 610 mm — Cut-out depth 635 mm
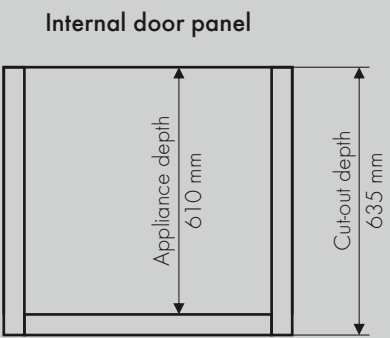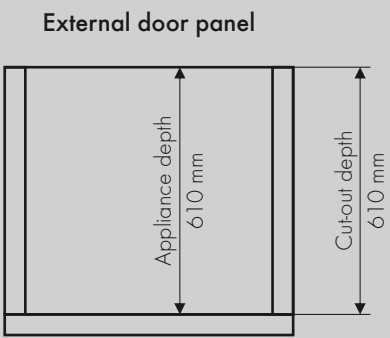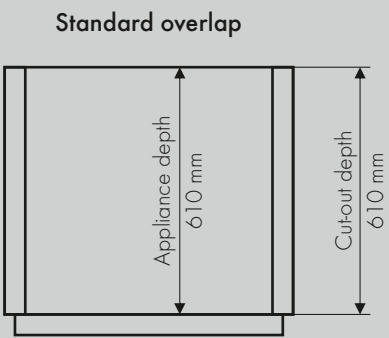
Installation options

| Installation recommendation		Please note:
Individual positioning		All Monolith appliances can be installed as stand-alone appliances with the hinge on the left or the right. When sizing the fitted unit take into account the thickness of the door front and the handle. In order to prevent the appliance door including the handle from colliding with adjoining walls or elements of the kitchen, a minimum spacing of 76 mm must be included for a door opening limited to 90°. See also "Requirements for door spacing" on page 37.
Side-by-Side in a fitted unit		Monolith appliances may be installed Side-by-Side in a fitted unit. For this, a Side-by-Side set which is separately available is required if the spacing between the installed appliances is less than 102 mm. When sizing the fitted unit take into account the thickness of the door front and the handle. In order to prevent the appliance doors including the handles from colliding with adjoining walls or elements of the kitchen, a minimum spacing of 76 mm must be included for a door opening limited to 90°. See also "Requirements for door spacing" on page 37.
Side-by-Side in separate units		Monolith appliances may be installed Side-by-Side in different units. If the dividing wall between the units has a thickness of less than 102 mm, a separately available Side-by-Side set is required. In order to prevent the appliance doors including the handles from colliding with adjoining walls or elements of the kitchen, a minimum spacing of 76 mm must be included for a door opening limited to 90°. In the case of back-to-back door positioning (as shown in adjacent drawing, top right) a minimum spacing of 154 mm must be included. See also "Requirements for door spacing" on page 37.

Side-by-Side installation

In order to determine the cut-out width for the Side-by-Side combinations, add together the individual widths of the appliances used in the combination. Below are the cut-outs for niches of 106.7 cm, 121.9 cm, 137.2 cm, 152.4 cm, 167.6 cm and 182.8 cm. The Side-by-Side set on page 31 is required if there is less than 102 mm spacing between appliances.

Niche measurements for plinth panels

individual
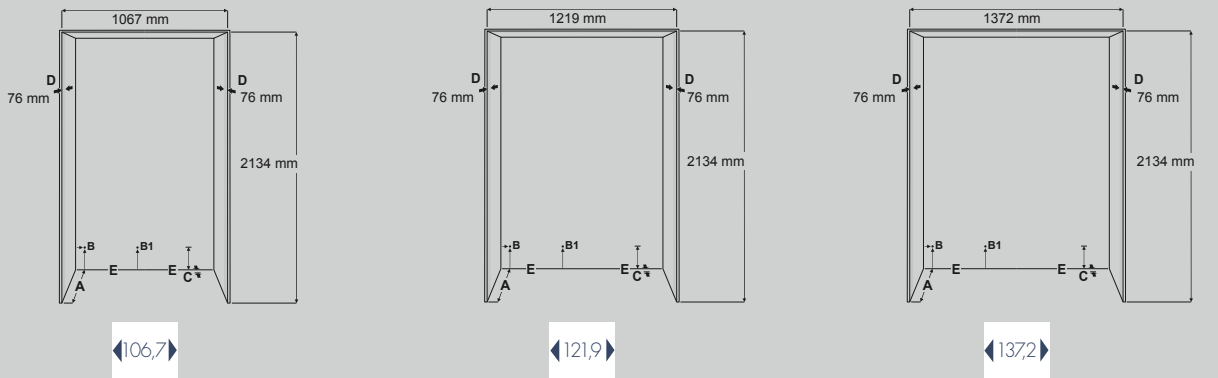
continuous
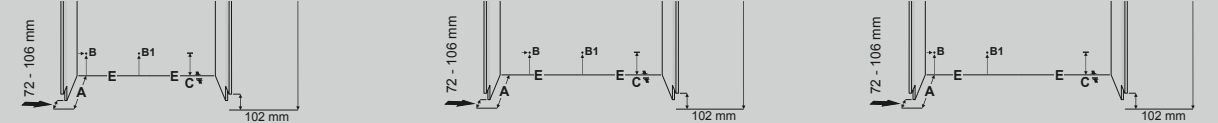
individual
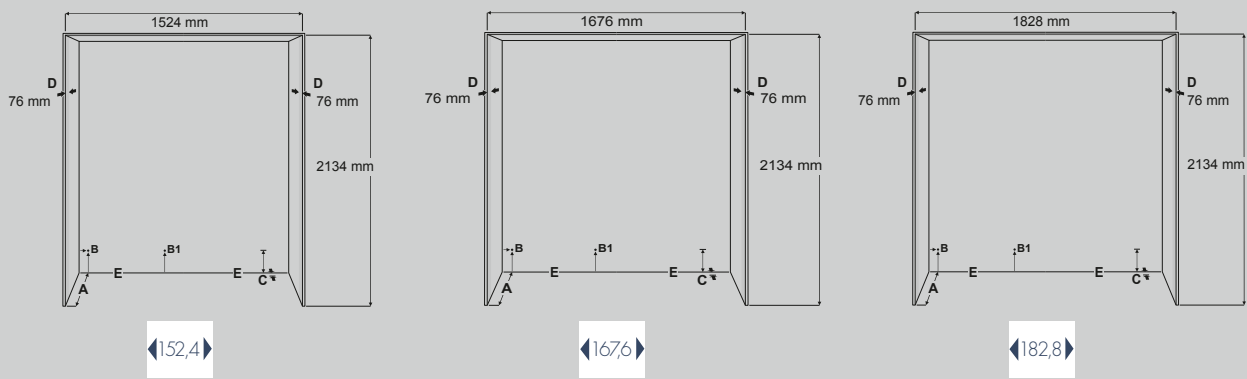
continuous
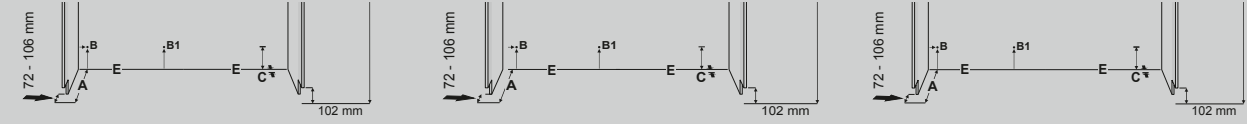
A Unit depth for frameless installation: 635 mm; for integrated installation: 635 mm + thickness of the custom panel.

B Mains cable exit on rear of the device (19 mm from the left side and 127 mm from the floor). Free length of the mains cable: 2.5 m.

B1 Please refer to descriptions of the individual appliances for the precise position of this point for the combination.

C The appliance has a recess in this area for cable and water line routing: Depth is 25 mm, and height 140 mm across the entire appliance width.

D This surface is visible when the appliance door is opened. Designed finish is therefore recommended.

E The anti-tipping device positioned at the base of the appliance must be secured to the floor or to the wall.

Appliance side view
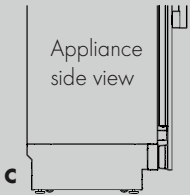
Ventilation requirements

Monolith appliances are ventilated entirely via the plinth panel. The door fronts must close at least 102 mm above the floor. The grille in the plinth panel must not be obstructed.

In the scope of supply of the Monolith appliances, spacers are included which must be fitted to the appliance and to the door in order to separate the warm outgoing air from the fresh air flowing in.

Liebherr provides a 102 mm high plinth panel made of stainless steel as an optional accessory. This is available in the relevant width of the Monolith model and in possible Side-by-Side combinations (from 45.7 cm to 182.8 cm).

The plinth panel, the position depth of which can be varied, is assembled by means of an adhesive joint (pre-assembled on the appliance).

See optional accessories on page 31.


Door spacing requirements

It is essential that Monolith appliances are set up or installed such that the doors (including handles) do not bump into adjoining cupboards, work surfaces, walls or other kitchen elements when they are opened.

If the door bumps into the wall or other units, a 90° door limiter can be installed (included in scope of supply).

Other possible solutions:
- Reduction in the thickness of the door front if this is greater than 19 mm.
- Repositioning of the element that collides with the appliance.
- Use of a stopper in order to prevent the door damaging the adjoining wall or the adjoining unit.

Internal door panel installation
View from above
Illustrated panel thickness: 30 mm
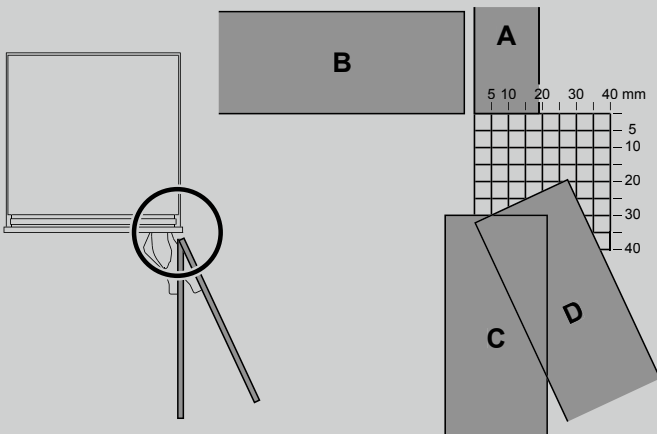
A = 19 mm unit carcass

B = Front panel – door closed

C = Front panel with door opened 90°

D = Front panel with maximum door opening angle of 115°

External door panel installation
View from above
Illustrated panel thickness: 30 mm
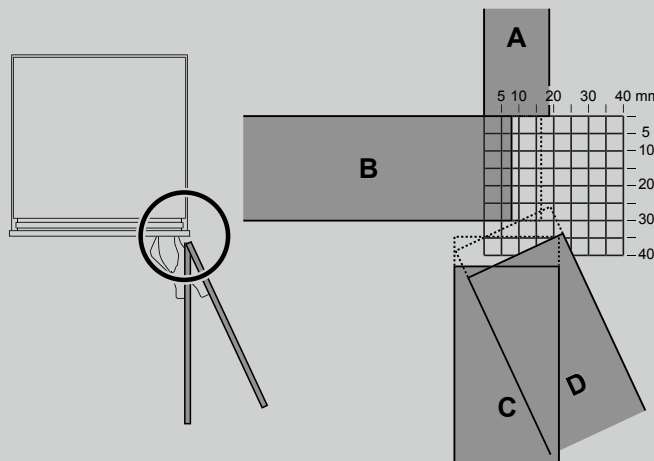
A = 19 mm unit carcass

B = Front panel – door closed. Overlap on the front frame of the unit carcass is 8 mm. The dashed line shows an overlap of 17 mm over the front frame. This overlap only applies if the appliance is at the end of the kitchen units.

C = Front panel with door opened 90°

D = Front panel with maximum door opening angle of 115°

IMPORTANT

The minimum permitted size of the gap between the panels is 3 mm.

Safety requirements

Ambient temperatures

- The appliances are intended for refrigerating, freezing and storing food and for making ice (if equipped accordingly).

- The appliances are designed for operation within the ambient temperature limit values which depend on the climate class .

- The climate class describes the ambient temperature at which the appliances may be operated in order to achieve optimal cooling performance.

- All Monolith models are in climate class SN-T.

Climate class	Ambient temperature
SN	10 °C to 32 °C
N	16 °C to 32 °C
ST	16 °C to 38 °C
T	16 °C to 43 °C
SN-ST	10 °C to 38 °C
SN-T	10 °C to 43 °C

IMPORTANT

Do not operate the appliances outside of the ambient temperature ranges specified.

- The refrigerant circuits have been checked for tightness.

- The appliances meet the applicable safety regulations.

Secure mounting

In order to prevent the appliance from tipping over following installation, the anti-tipping device must be fitted. Please note in this regard the information in the chapter "Secure mounting" in the installation instructions.

InfinitySpring (integrated water dispenser) and IceMaker (depending on model)

Monolith appliances fitted with an InfinitySpring or IceMaker must be connected to a water supply.

The water pressure requirements are dependent on whether a Liebherr water filter is used in the appliance. If the filter is used, the pressure must be between 2.8 and 6.2 bar. Without a filter, the permitted pressure range is from 1.5 to 6 bar.

Only the supply hose delivered with the appliance must be used to feed water to the InfinitySpring/IceMaker.

If the degree of hardness of the water at the installation location is high, we recommend installing a water softener. A filter must also be used in case solids such as sand are contained in the water.

All devices and systems used to supply the appliance with water must meet the relevant applicable provisions in your region.

All appliances fitted with InfinitySpring or IceMaker have a water filter which is located in the front section of the appliance base. The water filter must be replaced regularly. An InfinitySwipe alarm reminds you when it is time to replace the water filter.

Warnings

- Water connection work must not be performed if the appliance is connected to an electrical socket.

- A shut-off valve must be installed between the hose line and the mains water supply in order that the water supply can be stopped if necessary. The shut-off valve must not be installed behind the appliance.

- The connection to the water supply must only be undertaken by a trained and licensed plumber.

- The water quality must comply with the drinking water regulations for the region in which the appliance is operated.

- The IceMaker is solely for the purpose of producing ice cubes in normal household quantities and must only be used with water appropriate for this purpose.

- All repairs and work on the InfinitySpring/IceMaker must only be undertaken by customer service employees or other trained individuals.

- The manufacturer assumes no responsibility for damage as a result of devices or water pipes located between the solenoid valve and the water supply.

Electrical safety

- The appliance must only be operated using alternating current.

- The permitted voltage and frequency according to the appliance design must be adhered to for the relevant country.

- Power sockets must be earthed and electrically protected in accordance with regulations.

- Power sockets must not be located behind the appliance and must be easily accessible in order to be able to disconnect the appliance from the mains if necessary.

- A separate circuit is recommended for the appliance in order to prevent defrosting or spoiling food as a result of an electricity failure caused by other appliances.

⚠ WARNING!

Risk of fatal electric shock.

Do not connect the appliance to unearthed power sockets.

Failure to observe this instruction may result in severe injuries or death.

⚠ WARNING!

Fire hazard

- Do not connect the appliance using an extension cable or multi-socket. There is a risk of overheating or fire due to potentially poor connector contacts.

- Do not connect the appliance using an inverter. There is a risk of overheating and a fire hazard for the control electronics due to imperfect sine wave voltage of various inverters.

  Failure to observe these instructions may result in fire, severe injuries or death.

Do you still have questions? If so, please contact your Liebherr sales representative.

home.liebherr.com/monolith