DESIGN GUIDE

Fhiaba

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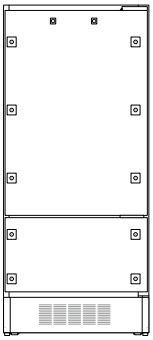
Fhiaba range presentation

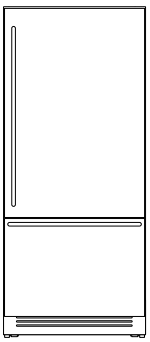
S

For those who prefer a coordinated interior design that showcases a stylish, individual and unique environment, Fhiaba developed the Integrated series.
All models are equipped with unique technical solutions which allow for complete integration of the product while maintaining the Fhiaba characteristics of space, functionality and superior design.
Available in width 90 cm (35 1/2 "), 75 cm (29 5/8") and 60 cm (23 3/4 ") and depth 61 cm (24" in), always with compressors located at the bottom.
The range is available in a refrigerator and wine cellar.



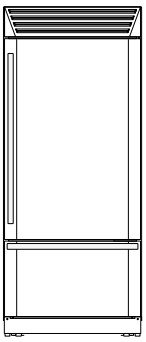
K

Fhiaba's innovative solutions have been transformed into a smooth, sleek design featuring fresh aesthetiscs and tubular stainless steel handles a satin finish.
This design represents the ideal solution to complete your kitchen design with a professional referigeration and wine ageing system.
Available in width 90 cm (35 1/2 "), 75 cm (29 5/8") and 60 cm (23 3/4 ") and depth 63,5 cm (25" in), always with compressors located at the bottom.
The range is available in a refrigerator and wine cellar.



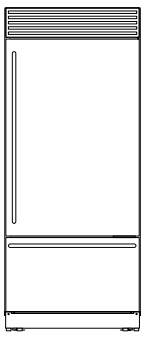
M

Fhiaba's signature design. Standplus models match iconic and contemporary style and the characteristics usually found in professional appliances (products with top mount compressors and top ventilation grille) with the unmistakable design of Italian-made products.
These models are the pinnacle of the range offered by Fhiaba, and are the optimal solution to include an advance food and beverage preservation system in refined and elegant interiors.
Available in width 90 cm (35 1/2 "), 75 cm (29 5/8") and 60 cm (23 3/4 ") and depth 63,5 cm (25" in), always with compressors located on the top.
The range is available in a refrigerator and wine cellar.



X

The latest addition to the Fhiaba range, X-Pro models can transform any interior into a state-of-the-art professional kitchen, worthy of professional chefs. The X-Pro design, featuring a heavy-duty top ventilation grille and strong tubular stainless steel handles, has been developed to satisfy requests for a professional-looking kitchen at home, which reflects the highly technological features of the refrigeration system within each Fhiaba.
Available in width 90 cm (35 1/2 "), 75 cm (29 5/8") and 60 cm (23 3/4 ") and depth 63,5 cm (25" in), always with compressors located on the top.
The range is available in a refrigerator and wine cellar.



All the Fhiaba range can be ordered with stainless stell sides for free standing installation

Product code

Example:

KS | 899 | 0T | ST | 6 | i

KS

digit # 1-> model series
KS = Classic (bottom compressors, stainless steel front)
MS = StandPlus (top compressors, stainless steel front)
XS = X-Pro (top compressors, stainless steel front)
S = Integrated (bottom compressors, flush or built-in)
BI = Brilliance (bottom compressors, flush or built-in)
BKI = Brilliance - Classic (bottom compressors, stainless steel front)

899

digit # 2-> width
899 = 90 cm (35 1/2" in)
749 = 75 cm (29 5/8" in)
599 = 60 cm (23 3/4" in)

0T

digit # 3-> model configuration
1T = one bottom drawer with Fresco/Riserva
0T = one bottom drawer with Low Temp drawers / Dual zone wine cellar
0H = Two bottom-drawers, two separate temperature**s**
0F = column model with 1 temperature

ST

digit # 4-> function and door style
ST = Fridge/Trimode, Solid door
GT = Fridge/Trimode, Glass door
WT = Wine Cellar/Trimode
R = Fridge column
Z = Freezer column
W = Wine Cellar column

6

digit # 5 > hinge positioning
3 = hinge on the left
6 = hinge on the right

i

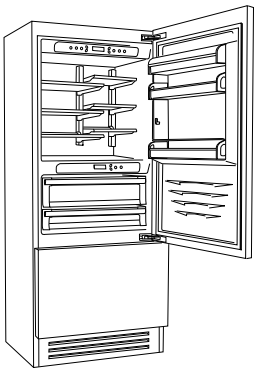
digit # 6 > model options
To indicate a unit equipped with Ice Maker
(not available on models 599) -> add "i"

Presentation standard models

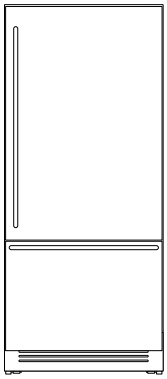
1T Models

8991T Series Fridge-Freezer

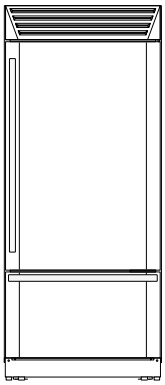
Integrated
S8991TST6/3



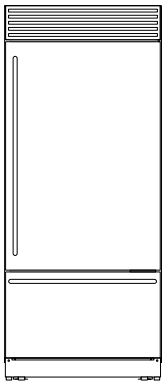
Classic
KS8991TST6/3



StandPlus
MS8991TST6/3



X-Pro
XS8991TST6/3

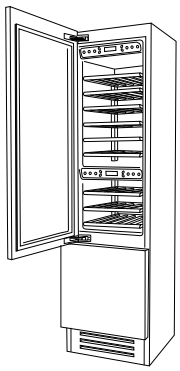


Width
899 mm (35 3/8" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

5991T Series Wine Cellar

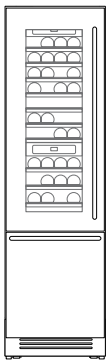
Integrated

S5991TWT6/3



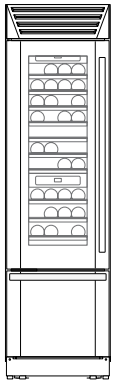
Classic

KS5991TWT6/3



StandPlus

MS5991TWT6/3



X-Pro

XS5991TWT6/3

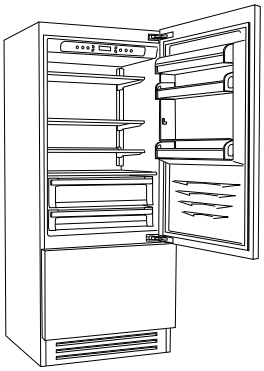
Width
599 mm (23 5/8" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

0T Models

8990T Series Fridge-Freezer

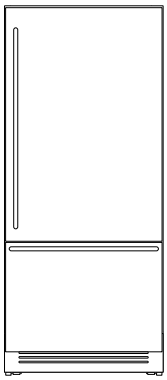
Integrated

S8990TST6/3
S8990TGT6/3



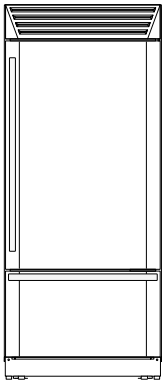
Classic

KS8990TST6/3
KS8990TGT6/3



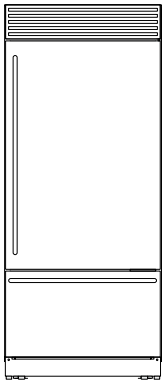
StandPlus

MS8990TST6/3
MS8990TGT6/3



X-Pro

XS8990TST6/3
XS8990TGT6/3

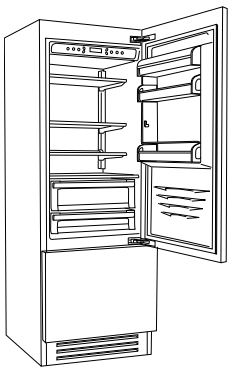


Width
899 mm (35 3/8" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

7490T Series Fridge-Freezer

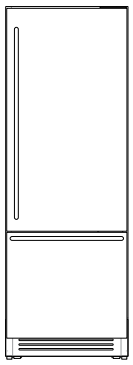
Integrated

S7490TST6/3
S7490TGT6/3



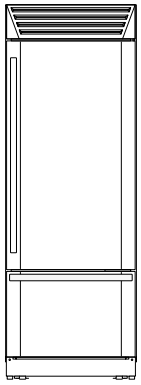
Classic

KS7490TST6/3
KS7490TGT6/3



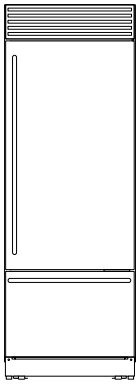
StandPlus

MS7490TST6/3
MS7490TGT6/3



X-Pro

XS7490TST6/3
XS7490TGT6/3

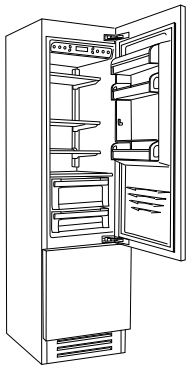


Width
749 mm (29 1/2" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

5990T Series Fridge-Freezer

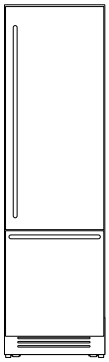
Integrated

S5990TST6/3
S5990TGT6/3



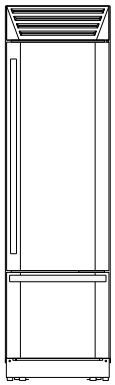
Classic

KS5990TST6/3
KS5990TGT6/3



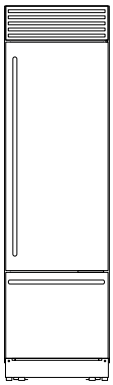
StandPlus

MS5990TST6/3
MS5990TGT6/3



X-Pro

XS5990TST6/3
XS5990TGT6/3

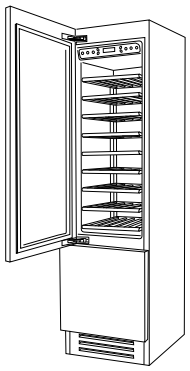


Width
599 mm (23 5/8" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

5990T Series Wine Cellar

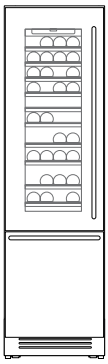
Integrated

S5990TWT6/3



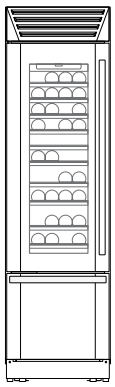
Classic

KS5990TWT6/3



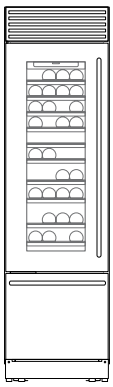
StandPlus

MS5990TWT6/3



X-Pro

XS5990TWT6/3

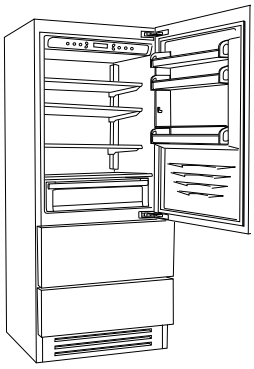


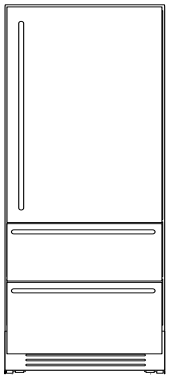
Width
599 mm (23 5/8" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

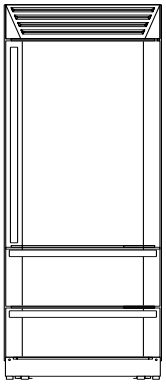
0H Models

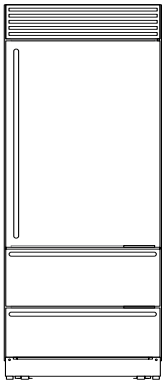
8990H Series Fridge-Freezer

Integrated	Classic	StandPlus	X-Pro
S8990HST6/3	KS8990HST6/3	MS8990HST6/3	XS8990HST6/3





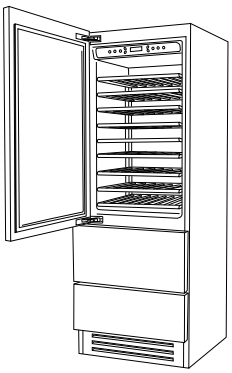


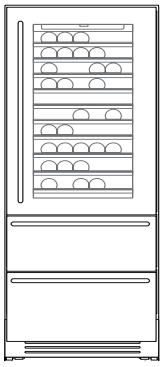


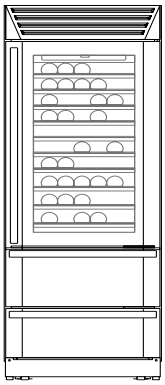
Width
899 mm (35 3/8" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

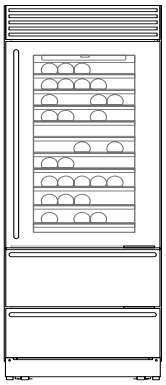
8990H Series Wine Cellar

Integrated	Classic	StandPlus	X-Pro
S8990HWT6/3	KS8990HWT6/3	MS8990HWT6/3	XS8990HWT6/3









Width
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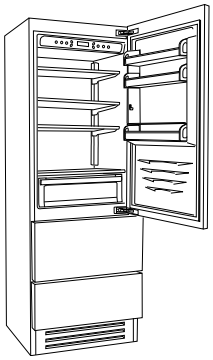
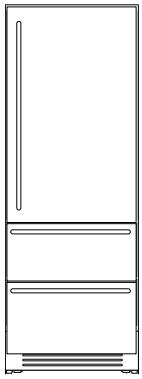
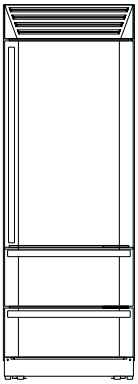
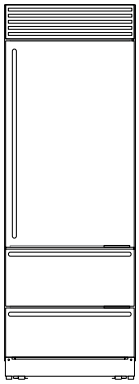
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

7490H Series Fridge-Freezer

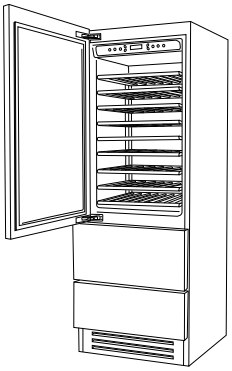
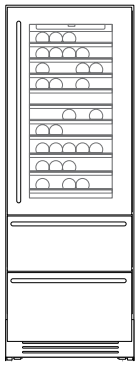
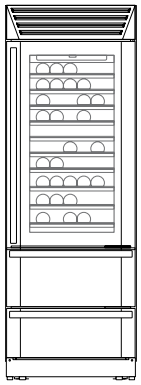
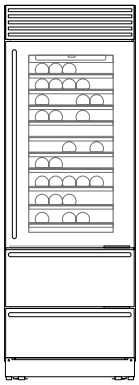
Integrated	Classic	StandPlus	X-Pro
S7490HST6/3	KS7490HST6/3	MS7490HST6/3	XS7490HST6/3

Width
749 mm (29 1/2" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

7490H Series Wine Cellar

Integrated	Classic	StandPlus	X-Pro
S7490HWT6/3	KS7490HWT6/3	MS7490HWT6/3	XS7490HWT6/3

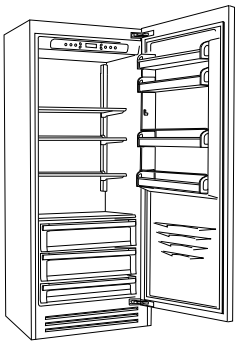
Width
749 mm (29 1/2" in)
S/K models height
2050 mm (80 3/4" in)
M/X models height
2120 mm (83 1/2" in)
Depth S
610 mm (24" in)
Depth K/X
635 mm (25" in)
Depth M
629 mm (24 3/4" in)

0F Models

8990F Series Fridge

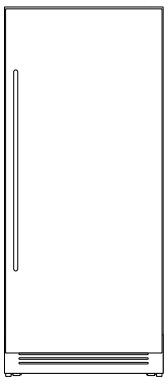
Integrated

S8990FR6/3



Classic

KS8990FR6/3

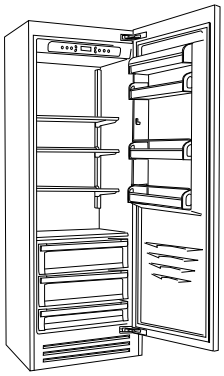


Width
899 mm (35 3/8" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
610 mm (24" in)
Depth BKI
635 mm (25" in)

7490F Series Fridge

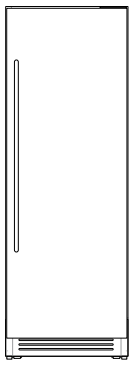
Integrated

S7490FR6/3



Classic

KS7490FR6/3

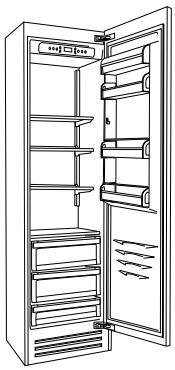


Width
749 mm (29 1/2" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
610 mm (24" in)
Depth BKI
635 mm (25" in)

5990F Series Fridge

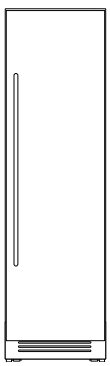
Integrated

S5990FR6/3



Classic

KS5990FR6/3

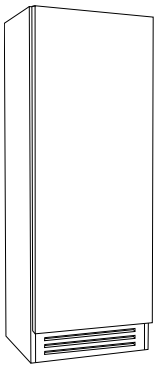


Width
599 mm (23 5/8" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
610 mm (24" in)
Depth BKI
635 mm (25" in)

7490F Series Freezer

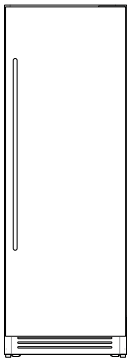
Integrated

S7490FZ6/3



Classic

KS7490FZ6/3

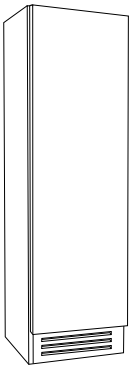


Width
749 mm (29 1/2" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
610 mm (24" in)
Depth BKI
635 mm (25" in)

5990F Series Freezer

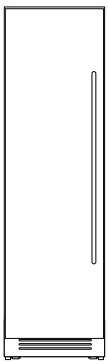
Integrated

S5990FZ6/3



Classic

KS5990FZ6/3

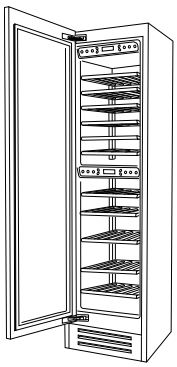


Width
599 mm (23 5/8" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
610 mm (24" in)
Depth BKI
635 mm (25" in)

5990F Series Wine Cellar

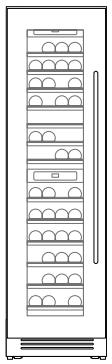
Integrated

S5990FW6/3



Classic

KS5990FW6/3



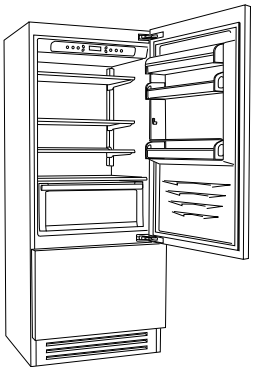
Width
599 mm (23 5/8" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
610 mm (24" in)
Depth BKI
635 mm (25" in)

Brilliance Models

8990T Series Fridge-Freezer

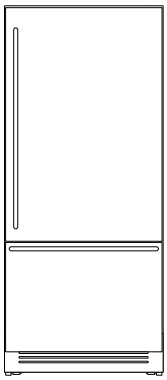
Integrated

BI8990TST6/3



Classic

BKI8990TST6/3

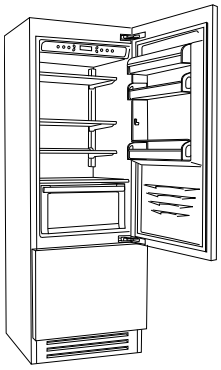


Width
899 mm (35 3/8" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
575 mm (22 5/8" in)
Depth BKI
600 mm (23 3/4" in)

7490T Series Fridge-Freezer

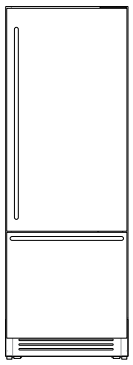
Integrated

BI7490TST6/3



Classic

BKI7490TST6/3

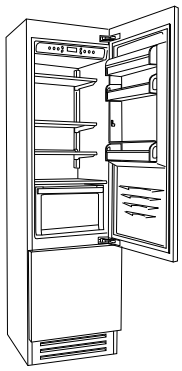


Width
749 mm (29 1/2" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
575 mm (22 5/8" in)
Depth BKI
600 mm (23 3/4" in)

5990T Series Fridge-Freezer

Integrated

BI5990TST6/3



Classic

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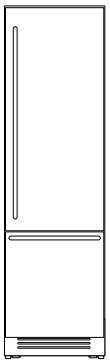
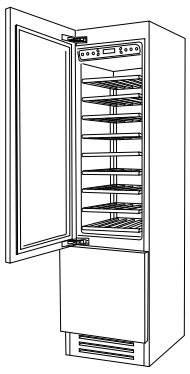


Width
599 mm (23 5/8" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
575 mm (22 5/8" in)
Depth BKI
600 mm (23 3/4" in)

5990T Series Wine Cellar

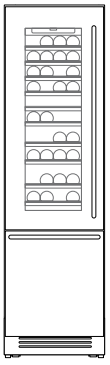
Integrated

BI5990TWT6/3



Classic

BKI5990TWT6/3



Width
599 mm (23 5/8" in)
BI/BKI models height
2050 mm (80 3/4" in)
Depth BI
575 mm (22 5/8" in)
Depth BKI
600 mm (23 3/4" in)

Distinctive features

Energy Efficiency

Energy efficiency class A+. This is the common grading of all Fhiaba preservation systems, a guarantee of high energy savings and compliant with environmental standards.

TriPro Refrigeration

Maximum **freshness is guaranteed** when each food product is preserved at the correct temperature.
This is the philosophy behind Fhiaba triple refrigeration system that ensures optimum preservation conditions thanks to the efficient separation of the internal **Fridge, Fresco and Freezer** compartments.
Two state-of-the-art compressors and three evaporators ensure continuous operation, energy saving and maximum silence.

TriMode Bottom - Drawers

Fridge, Fresco or Freezer: simply select the desired mode through Fhiaba Access menu to modify the operating mode of the Bottom-Drawers.
A versatile function that makes it **extremely flexible** to manage the preservation environments, particularly when more units are installed.

NoFrost

Fhiaba NoFrost is a 100% automatic system that eliminates the need for Fridge, Fresco and Freezer defrosting. It also allows a **quicker return to normal operating temperature** every time the door is opened thanks to its significant refrigerating speed.

ProVent

ProVent Fhiaba ventilation system guarantees a uniform distribution of cold air in all the fridge compartments by laterally circulating the air. It is therefore possible to maintain a **uniform temperature** throughout allowing better food preservation conditions.

LowTemp (0T)

Two drawers compartment with low temperature and high humidity, hermetically closed on all sides to contain foods preventing any leakage. This section allow to store fresh food at a temperature maintained closed to 0°C.

DualZone (0T/0H)

This function, available in all 0T/0H Wine cellars, creates a stratification of temperatures that allow the user to store red wines in the upper shelves and wite wines in the lower shelves of the Wine cellar.
The temperature difference between the top and the bottom of the Wine section is around 4/5 °C.

Fresco (1T)

Compartment with **controlled temperature and humidity** with two spacious drawers entirely in stainless steel, hermetically closed on all sides to contain foods preventing any leakage.
The internal rounded edges and the possibility of completely removing the drawers, thanks to the special telescopic slides, allow for easy cleaning operations. The Fresco compartment prevents the dispersion of cold air, the diffusion of odour and the cross-contamination foods, guaranteeing a high quality preservation for gourmet foods, delicacies and fresh produce.

Riserva (1T)

Models with Wine Cellar are fitted with Riserva, a compartment with temperature and humidity levels controlled independently from the upper zone. Riserva compartment exclusively dedicated to the optimum **preservation of fine aging wines**.

Equilance

Dual-movement hinge combining technological innovation and design. It is protected by international patent like all Fhiaba original solutions.
The **self-balancing movement** guarantees stability and resistance to infinite openings and above all allows for integrated, flush installation of all of Fhiaba's models.

Fhiaba Access

The new electronic technology that manages and monitors the entire refrigerator operation process is user-friendly and intuitive.
The digital displays show the actual temperature of the Fridge and Fresco compartments and the Bottom-Drawer as well as the date and time, thanks to the RealTime Clock system.
Fhiaba Access interactive menu allows the user to easily select the numerous available functions and **customise the operation** of the refrigerator according to personal needs.

Actual Temperatures
Independent Compartments
Information Messages
Multilingual
Date & Time
Ice Cubes Dimensions
SuperIce™
BottleCooler
Shopping
Vacation

Lighting

The OptiView lighting system uses modern LED technology to ensure an optimal view of the interiors. Two LED arrays light the refrigerator compartment from above, while individual spot lights illuminate directly distinct areas of the fridge compartment, Fresco and TriMode drawers.

Finishes

Satin stainless steel exteriors and antibacterial micro-brushed **stainless steel** interiors with high quality aluminium finishes and ultra bright tempered glass shelves.
Linear compartments with evaporators fully integrated in the side panel of the appliance and rounded angles for easy cleaning and better hygiene.

Ice Maker

Makes **ice cubes automatically** in the required size, Medium or Large, with water purified through the integrated filtering system.
Once made, the ice cubes are dropped in the ice drawer, located in the TriMode Bottom-Drawer.
In order to guarantee a vibration-free environment for fine wines, the Ice Maker is not available in Wine Cellars.

EvenLift shelves

Sliding shelves on Fhiaba patented mechanism can be **adjustable at any height** in the fridge compartment without removal.
The interior becomes versatile, allows for easy and quick storing containers of varying height (bottles, cartons etc.) and a variety of oddly shaped foods.

Integrated Water Filter

The integrated water filter system guarantees bacteriafree water also thanks to the clever positioning of the filter cartdrige inside the fridge compartment at low temperature. If ice consumption slows down, an automatic cleaning cycle will eliminate water stagnation in the system thus ensuring the highest quality of ice.

Soft closing systems

State-of-the-art devices ensure silent and soft closing of doors and drawers, every time and with the slightest touch.

Anti-Vibration

Full protection from vibration thanks effective compressor insulation and by soft closing systems on each and every wooden shelf to protect bottles from shocks.

Wine shelves

Wine Cellar models are equipped with shelves for optimum wine preservation. Made of natural wood they are fully-extractable and can accomodate bottles of different sizes.
Both compartments offer an extra advantage: by removing one shelf, another can be inclined, a practical solution for opened bottles and an elegant system to **display the finest wines**.

Glass doors

All glass doors are made of **multi-layered glass** with anti-breakage double pane.
An unusual choice for the Fridge models that not only conveys a modern and original touch but is also environmentally friendly giving visibility to the internal compartment without the need to open it and stress the refrigeration system.
Wine Cellar models are equipped with tinted glass to protect wine from the harmful effects of light.

Humidity Control

Through FhiabaAccess menu it is possibile to select the desired humidity level, low, high or medium, to ensure the correct preservation of corks, key element to the correct preservation of every fine bottle.

Three layers of protection

Fhiaba Wine Cellars are the only ones featuring a glass door with 3-panes of bronzed glass to guarantee maximum protection from UV rays & sudden temperature changes of the external environment.

Actual Temperatures

Several sensors inside the compartments monitor the actual temperatures of each area, in real time on the digital display. In case of a power failure, the highest temperatures will be registered and displayed to allow for disposal of foods which might have deteriorated.

Independent Compartments

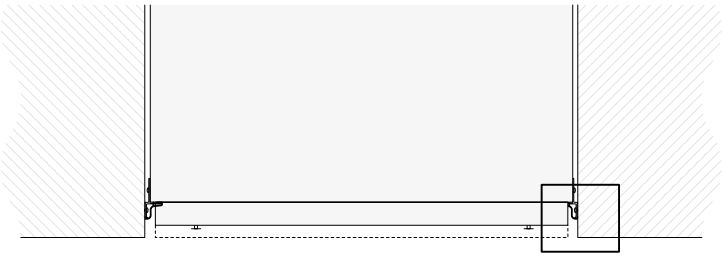
Through the touch sensitive panel it is possibile to manage each compartment independently: they can be switched on and off and different temperatures can be set for each of them thus allowing for an intelligent energy consumption.

Space Design

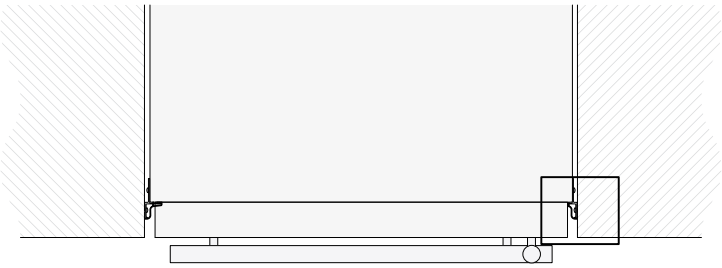
Installation types

Flush installation with standard alluminum trims

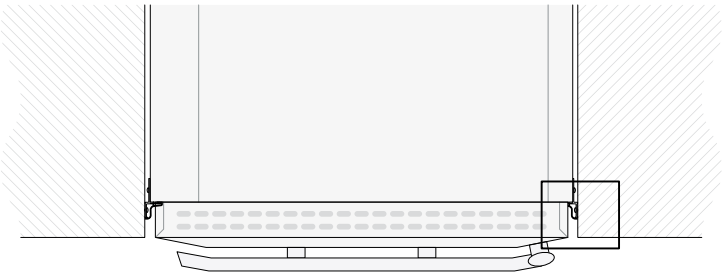
S Series



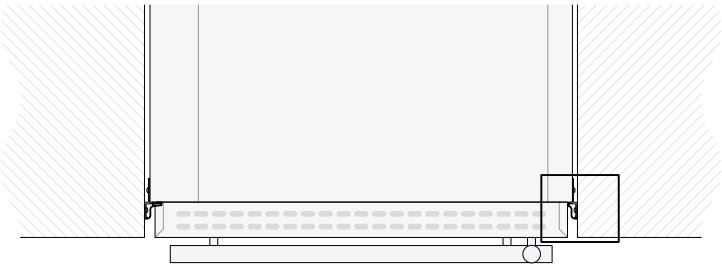
K Series

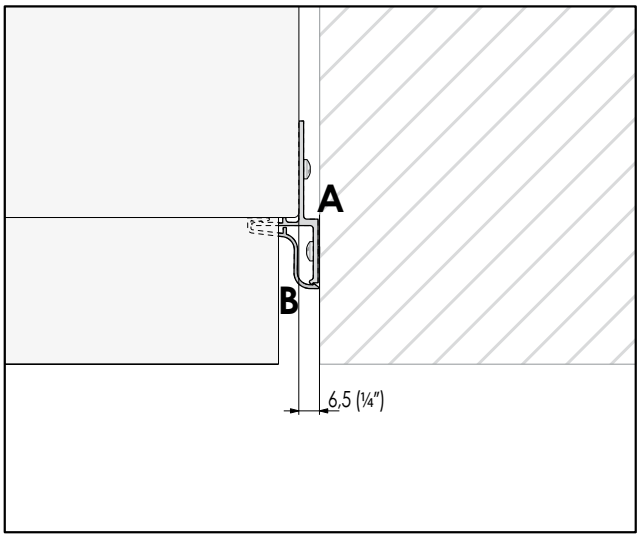


M Series



X Series

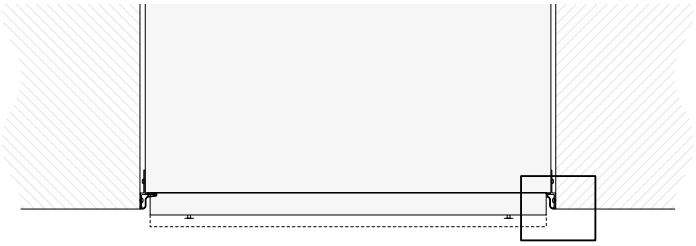




The Lateral Connection Kit (KCLIT/KCLIH/KCLMT/KCLMH) is supplied on all models (except in the unit with stainless steel sides) and consists of a connection element (**A**) and a aluminium frame (**B**).

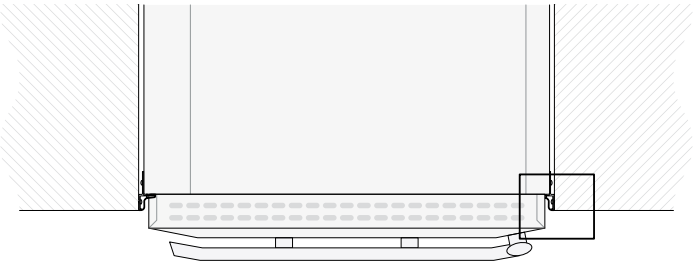
Prominent installation with standard alluminum trims

S Series

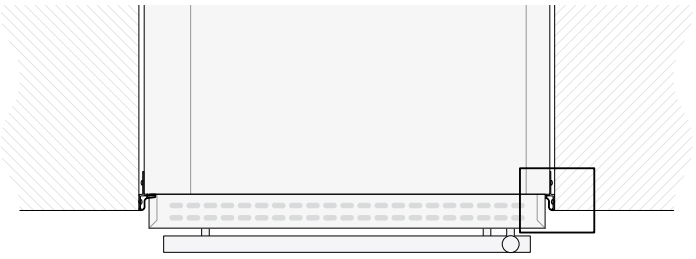


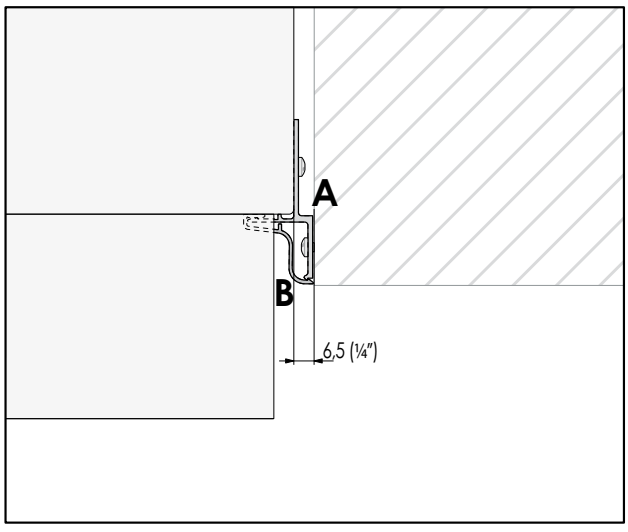
K Series

M Series



X Series

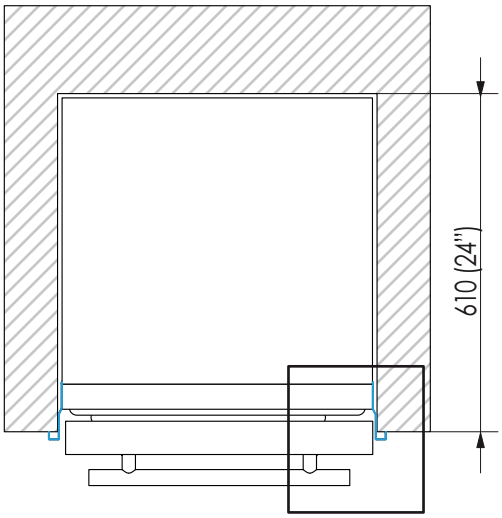


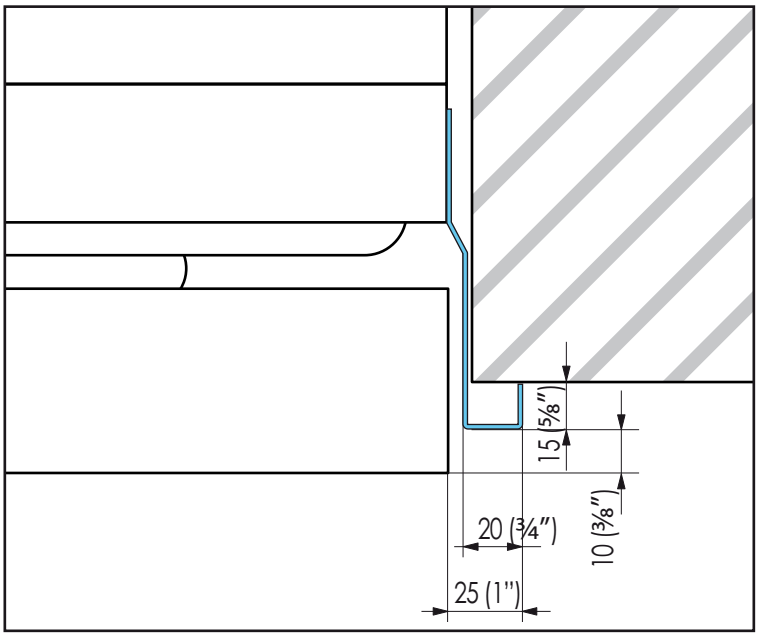


The Lateral Connection Kit (KCLIT/KCLIH/KCLMT/KCLMH) is supplied on all models (except in the unit with stainless steel sides) and consists of a connection element (**A**) and a aluminium frame (**B**).

Built-In kit

Niche 610 mm (24" in)

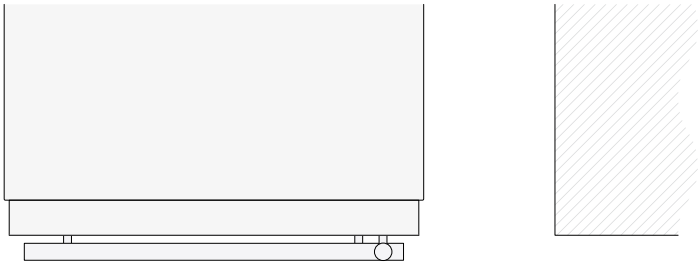




Free standing installation

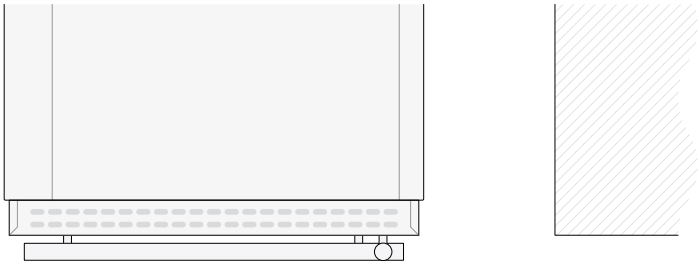
For the free standing installation ordered the stainless steel sides.
The sides will be pre-installed directly in the factory and are no more removed.

K Series



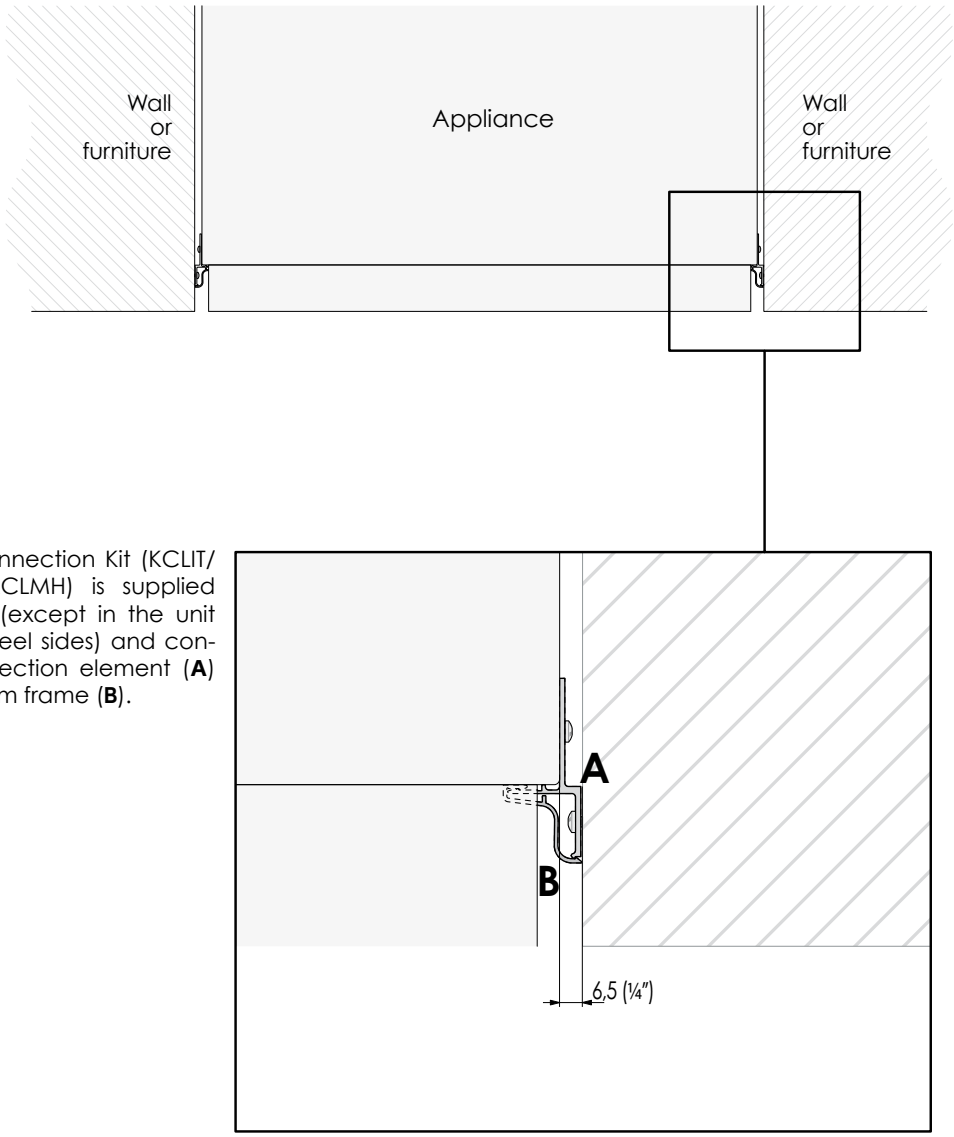
M Series

X Series



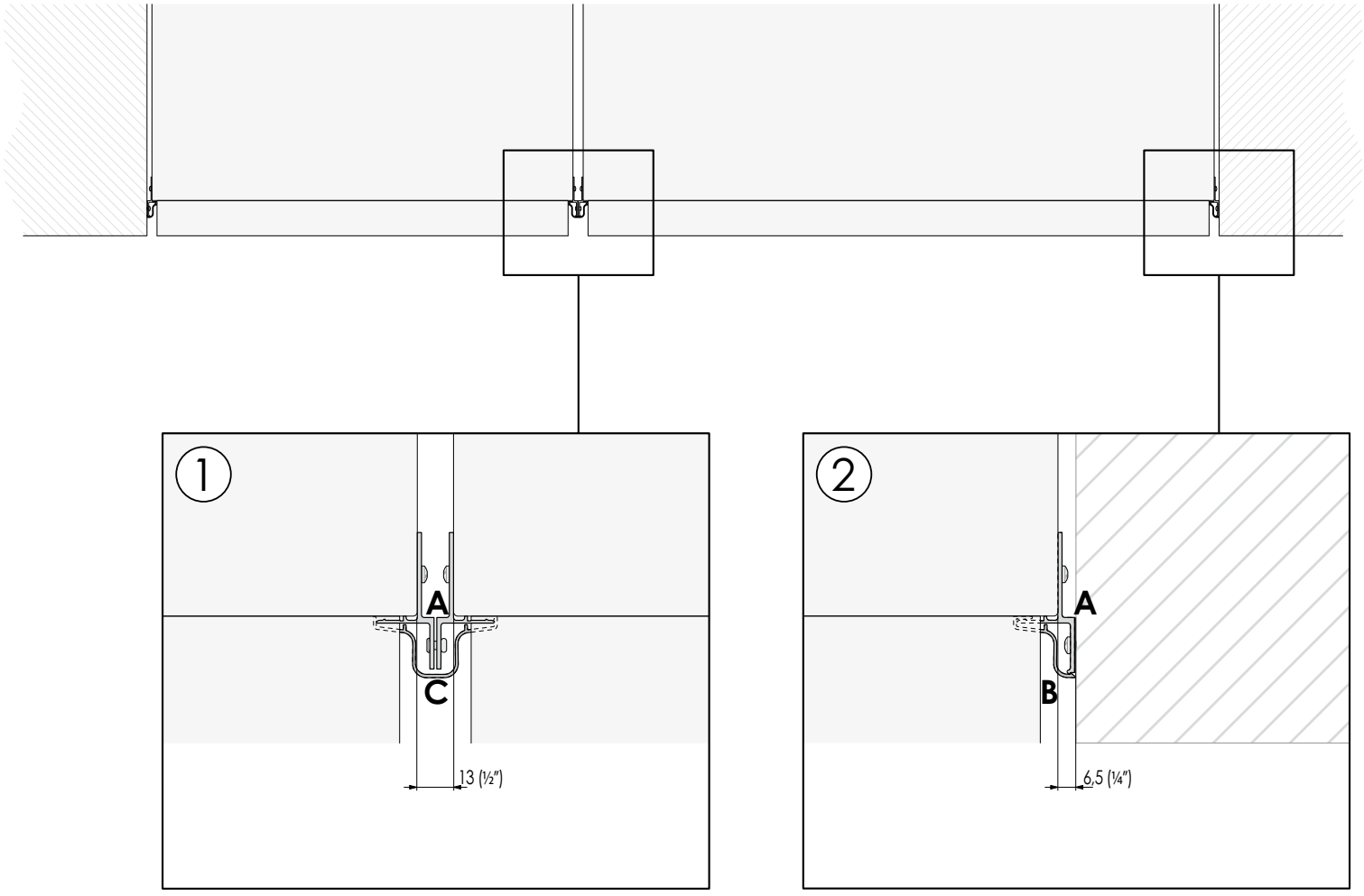
Typologies of combinations

Single installation



The Lateral Connection Kit (KCLIT/KCLIH/KCLMT/KCLMH) is supplied on all models (except in the unit with stainless steel sides) and consists of a connection element (**A**) and a aluminium frame (**B**).

Installation of two or more appliances



1 Central connection kit

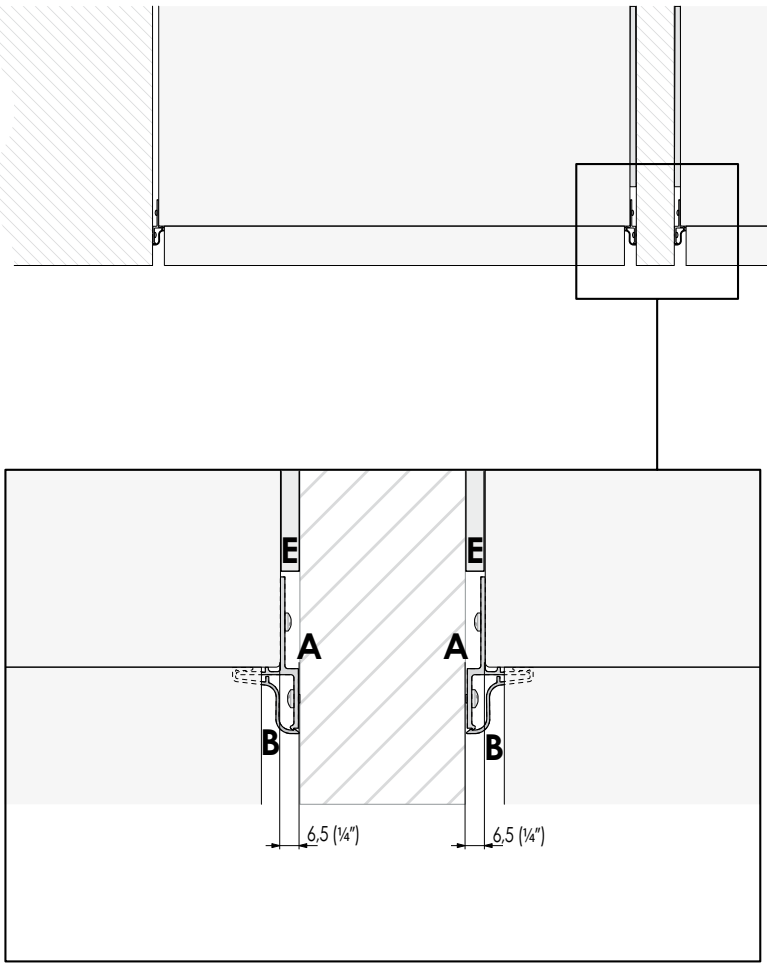
2 Lateral connection kit

The Central Connection Kit 1 (KCCIT/KCCIH/KCCMT/KCCMH) must be ordered separately, consists of two connection elements (**A**) and a central aluminium frame (**C**).

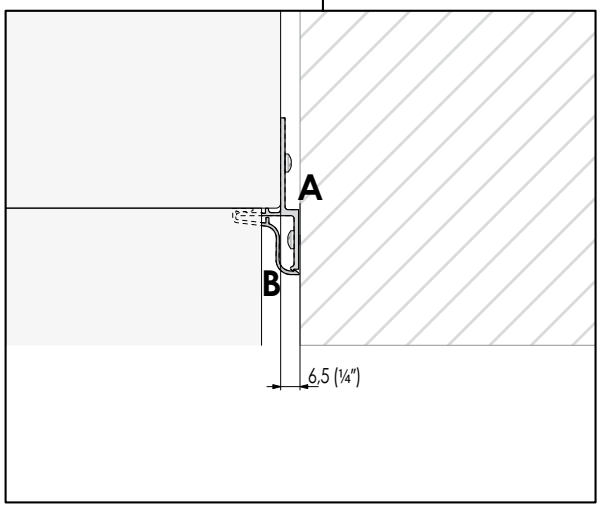
The Lateral Connection Kit 2 (KCLIT/KCLIH/KCLMT/KCLMH) is supplied on all models (except in the unit with stainless steel sides) and consists of a connection element (**A**) and a aluminium frame (**B**).

Built-in installation appliances separated by wall or panel

If the design of the kitchen unit provides for the installation of two adjacent appliances, but separated by an in-between panel (or wall or cavity) of a thickness below 16 cm (6 1/4 in), then the installation can be done as it were two single installations. It is required, however, that an anti-condensation panel (KAC16) is placed on the facing sides of the appliances. If the in-between panel (or wall or cavity) has a thickness higher than 16 cm (6 1/4 in) then this precaution is not required.



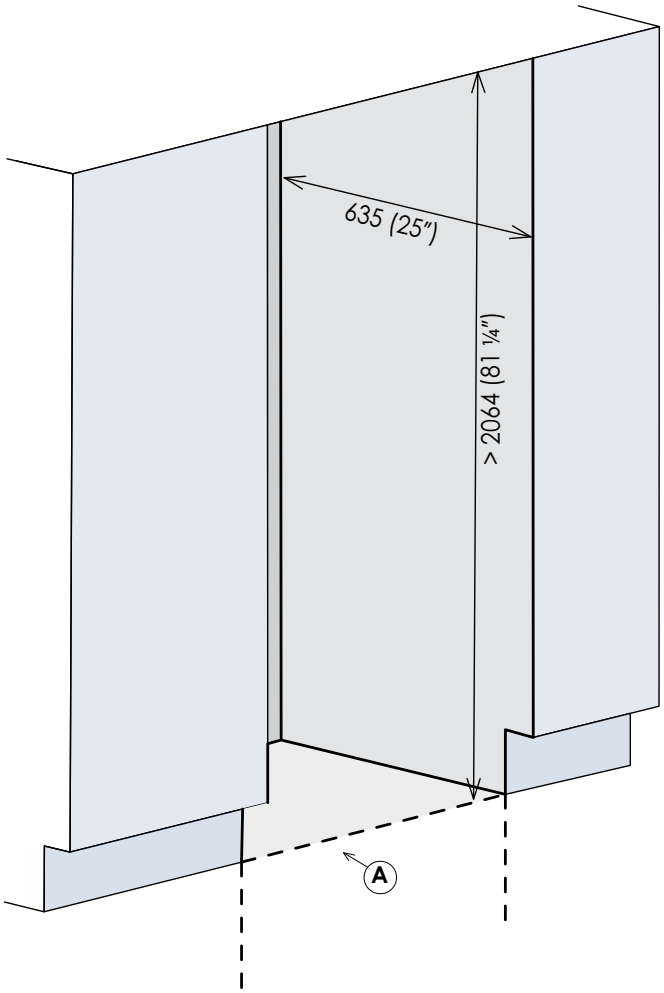
A Connecting element
B Aluminium frame
E Anti-condensation panel

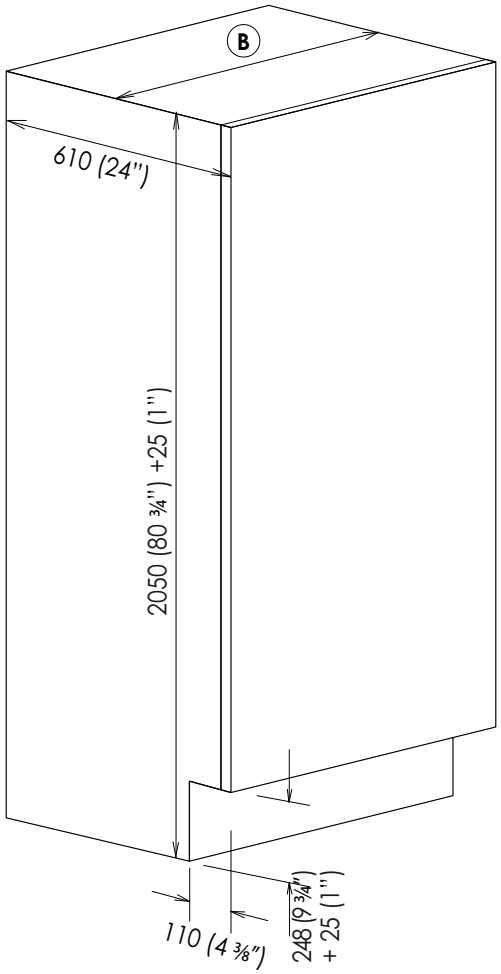


A Connecting element
B Aluminium frame

Technical data

Niche dimensions: Integrated Series





The foots adjustment system allows to increase the height of the apparatus of 25 mm (1“) than the height of 2050 mm (80 3/4” in)

	899	**749**	**599**
Niche Width **A**	900 mm (35 1/2" in)	750 mm (29 5/8" in)	600 mm (23 3/4" in)
Unit Width **B**	887 mm (35" in)	737 mm (29" in)	587 mm (23 1/8" in)

For installation of two or more units, refer to p. 34

Installation niche features: Integrated Series

A area to be left clear for the anti-tipping brackets

E area to be left clear for the power supply cable
W and water supply hose

Minimum Niche Height

2064 mm (81 1/4")

Minimum Niche Width

S899: 900 mm (35 1/2")
S749: 750 mm (29 5/8")
S599: 600 mm (23 3/4")

Door Swing Clearance

S899: 1470 mm (57 7/8")
S749: 1320 mm (52")
S599: 1170 mm (46")

Door Opening Angle

105°

Width

S899: 899 mm (35 3/8")
S749: 749 mm (29 1/2")
S599: 599 mm (23 5/8")

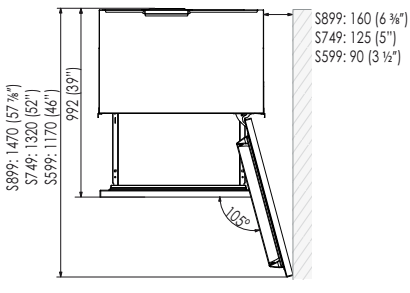
Height

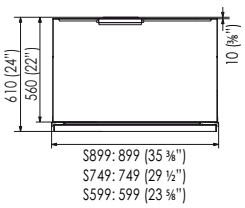
2050 mm (80 3/4") + 25 mm (1")

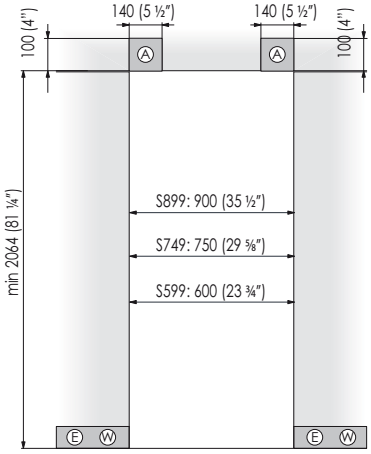
Depth with door (without panel)

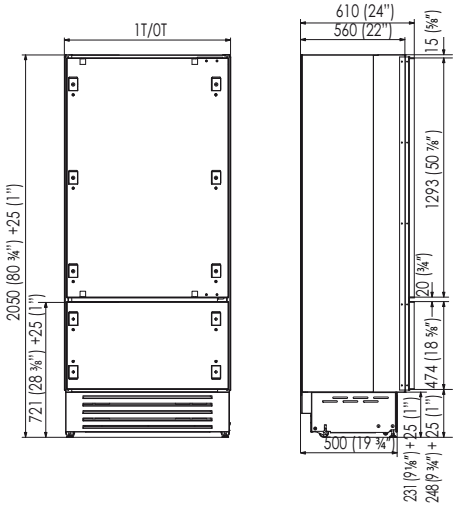
610 mm (24")

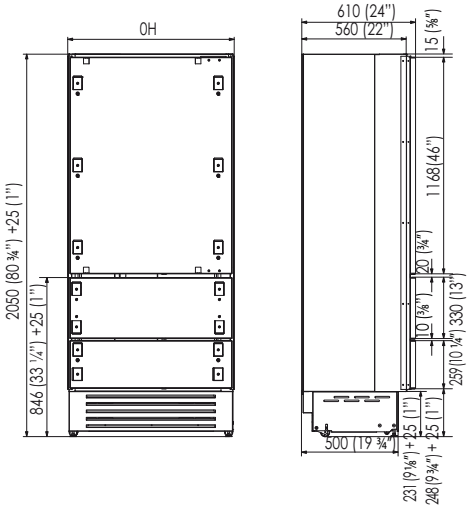
Important: A 90° door opening is sufficient to allow opening and full extraction of the inner drawers, even if the appliance is installed directly adjacent to a wall. Should an opening at 105° be desired, then the appliance should be positioned at the distance from the wall described in figure.

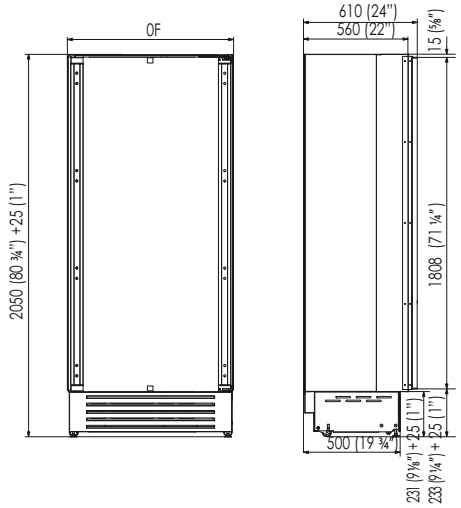






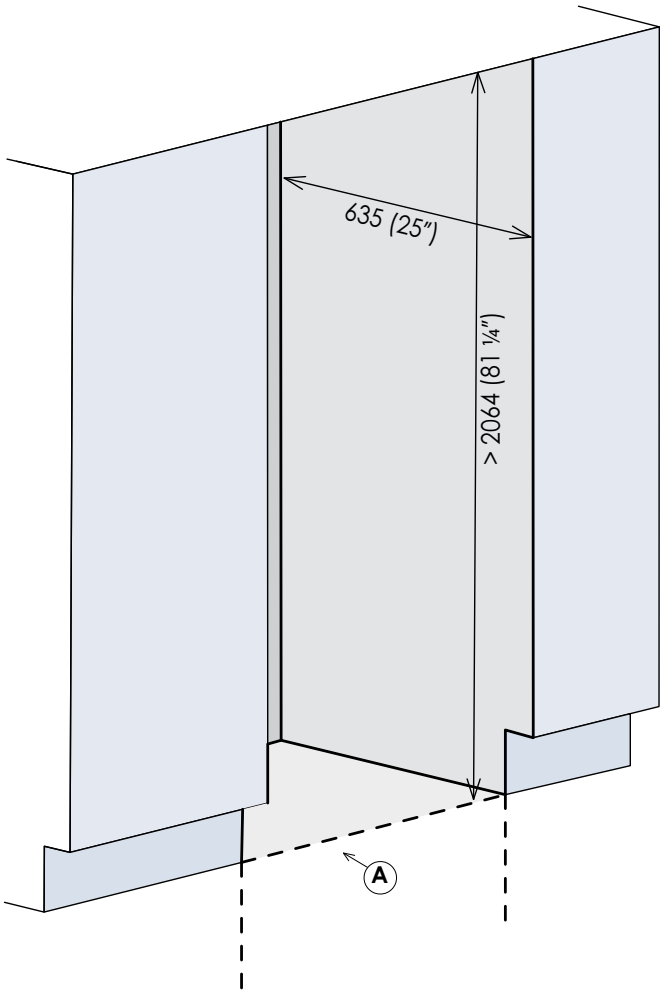


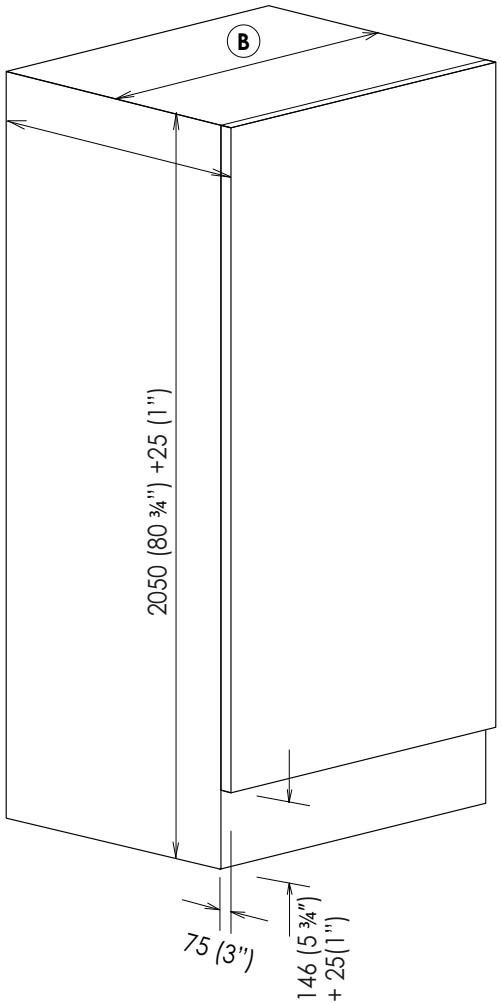




Technical data

Niche dimensions: Classic Series





The foots adjustment system allows to increase the height of the apparatus of 25 mm (1“) than the height of 2050 mm (80 3/4” in)

	899	**749**	**599**
Niche Width **A**	900 mm (35 1/2" in)	750 mm (29 5/8" in)	600 mm (23 3/4" in)
Unit Width **B**	887 mm (35" in)	737 mm (29" in)	587 mm (23 1/8" in)

For installation of two or more units, refer to p. 34

Installation niche features: Classic Series

A area to be left clear for the anti-tipping brackets

E area to be left clear for the power supply cable
W and water supply hose

Minimum Niche Height

2064 mm (81 1/4")

Minimum Niche Width

KS899: 900 mm (35 1/2")
KS749: 750 mm (29 5/8")
KS599: 600 mm (23 3/4")

Door Swing Clearance

KS899: 1470 mm (57 7/8")
KS749: 1320 mm (52")
KS599: 1170 mm (46")

Door Opening Angle

105°

Width

KS899: 899 mm (35 3/8")
KS749: 749 mm (29 1/2")
KS599: 599 mm (23 5/8")

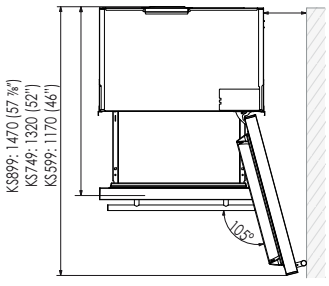
Height

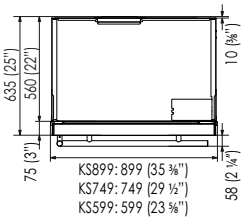
2050 mm (80 3/4") + 25 mm (1")

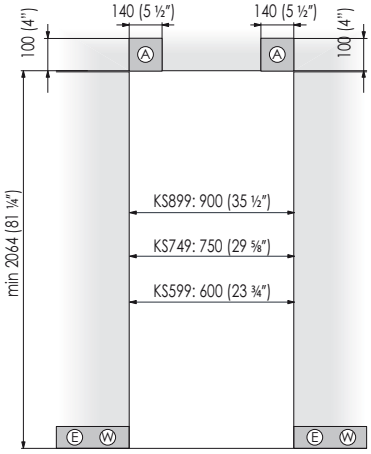
Depth with door (without panel)

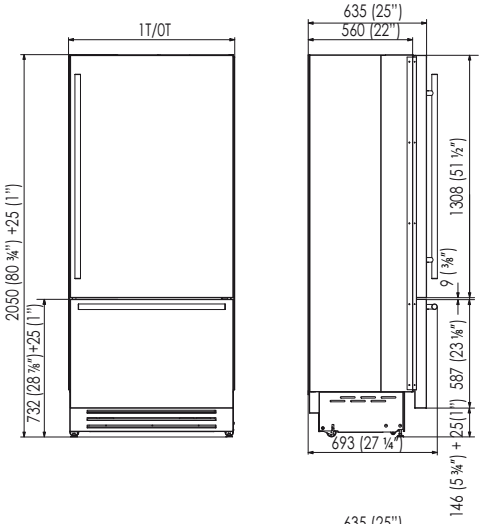
635 mm (25")

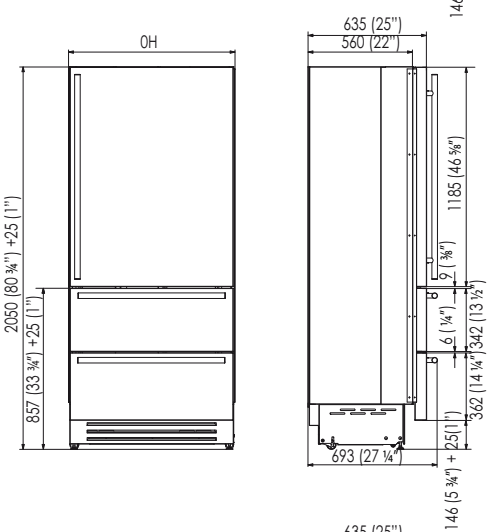
Important: A 90° door opening is sufficient to allow opening and full extraction of the inner drawers, even if the appliance is installed directly adjacent to a wall. Should an opening at 105° be desired, then the appliance should be positioned at the distance from the wall described in figure.

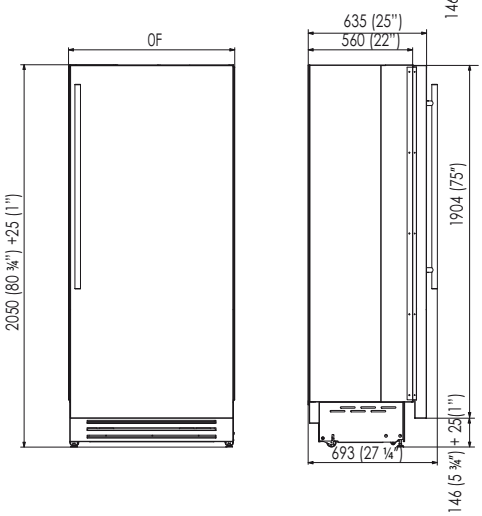






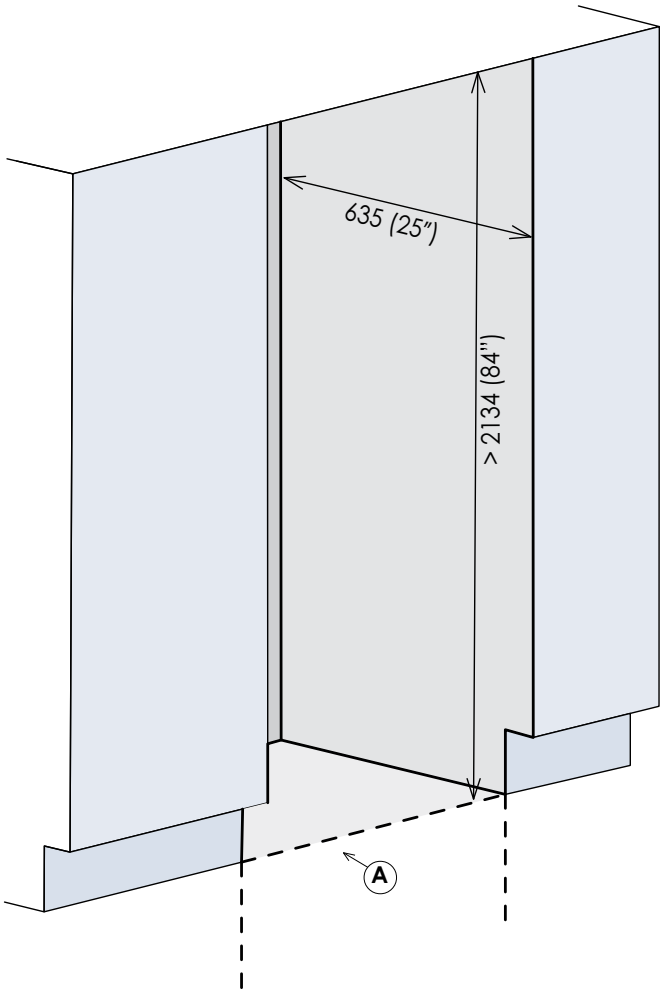


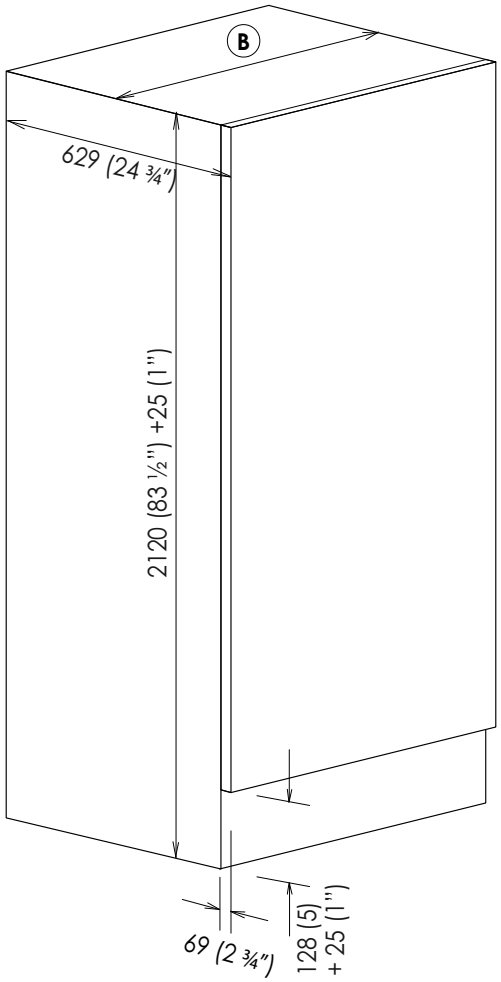




Technical data

Niche dimensions: StandPlus Series





The foots adjustment system allows to increase the height of the apparatus of 25 mm (1“) than the height of 2120 mm (83 7/8” in)

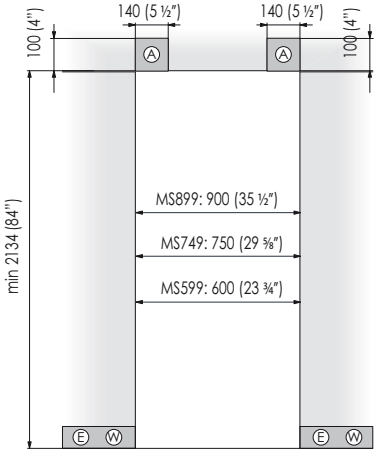
	899	**749**	**599**
Niche Width **A**	900 mm (35 1/2" in)	750 mm (29 5/8" in)	600 mm (23 3/4" in)
Unit Width **B**	887 mm (35" in)	737 mm (29" in)	587 mm (23 1/8" in)

For installation of two or more units, refer to p. 34

Installation niche features: StandPlus Series

A area to be left clear for the anti-tipping brackets

E area to be left clear for the power supply cable
W and water supply hose



Minimum Niche Height

2134 mm (84")

Minimum Niche Width

MS899: 900 mm (35 1/2")
MS749: 750 mm (29 5/8")
MS599: 600 mm (23 3/4")

Door Swing Clearance

MS899: 1470 mm (57 7/8")
MS749: 1320 mm (52")
MS599: 1170 mm (46")

Door Opening Angle

105°

Width

MS899: 899 mm (35 3/8")
MS749: 749 mm (29 1/2")
MS599: 599 mm (23 5/8")

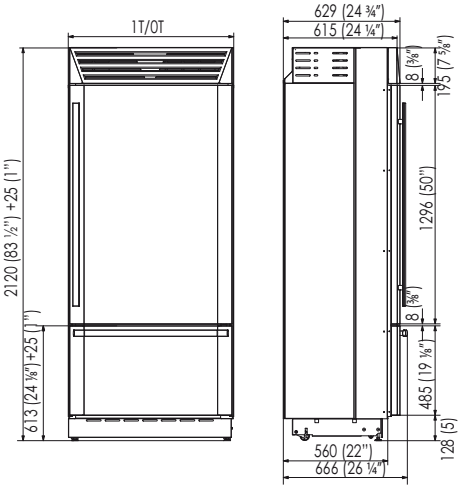
Height

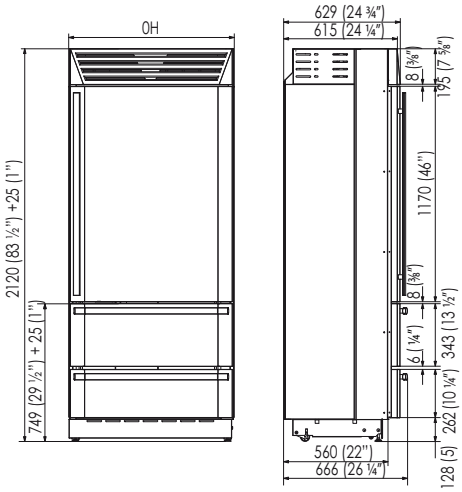
2120 mm (83 1/2") + 25 mm (1")

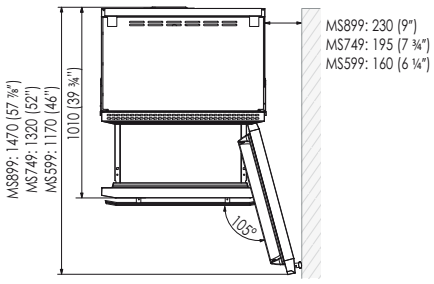
Depth with door (without panel)

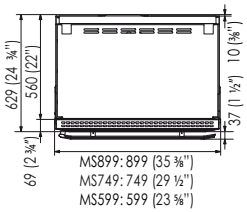
629 mm (24 3/4")

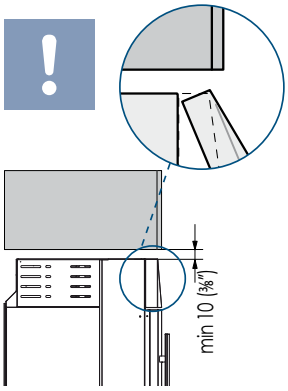
Important: A 90° door opening is sufficient to allow opening and full extraction of the inner drawers, even if the appliance is installed directly adjacent to a wall. Should an opening at 105° be desired, then the appliance should be positioned at the distance from the wall described in figure.





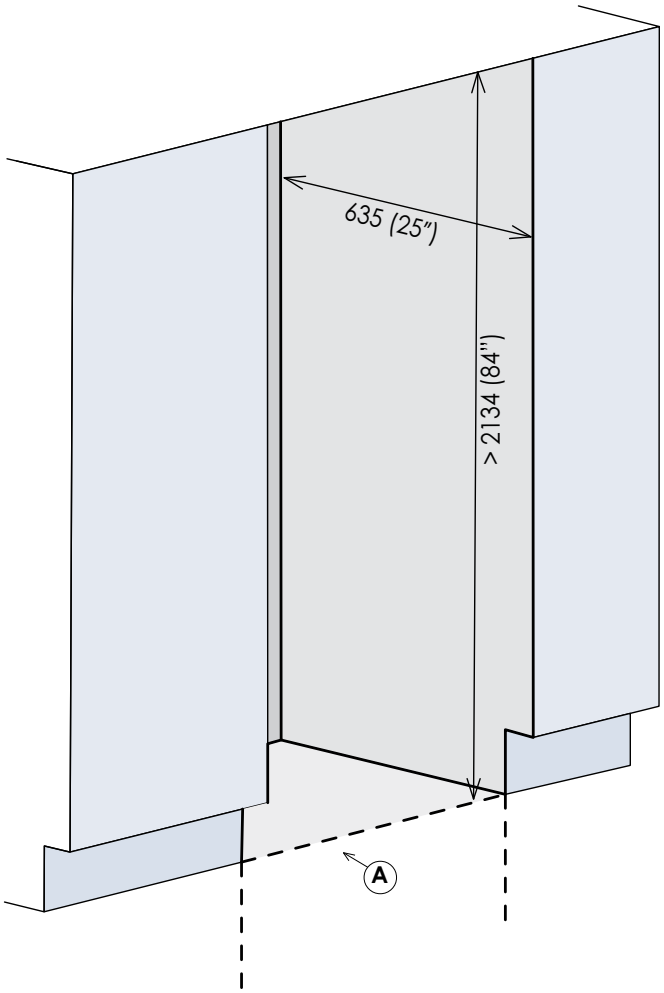


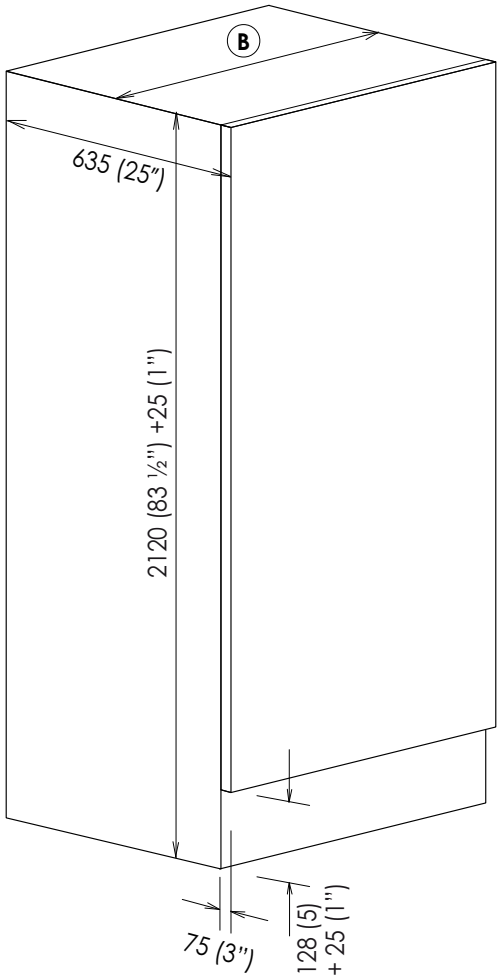




Technical data

Niche dimensions: X-Pro Series





The foots adjustment system allows to increase the height of the apparatus of 25 mm (1“) than the height of 2120 mm (83 7/8” in)

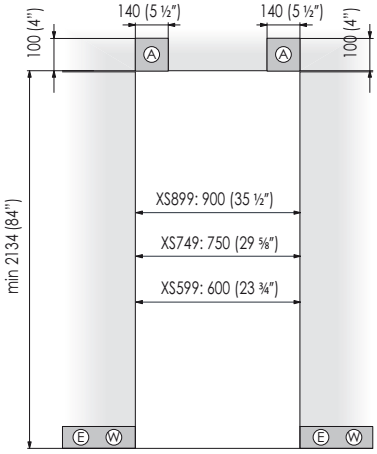
	899	**749**	**599**
Niche Width **A**	900 mm (35 1/2" in)	750 mm (29 5/8" in)	600 mm (23 3/4" in)
Unit Width **B**	887 mm (35" in)	737 mm (29" in)	587 mm (23 1/8" in)

For installation of two or more units, refer to p. 34

Installation niche features: X-Pro Series

A area to be left clear for the anti-tipping brackets

E area to be left clear for the power supply cable
W and water supply hose



Minimum Niche Height

2134 mm (84")

Minimum Niche Width

XS899: 900 mm (35 1/2")
XS749: 750 mm (29 5/8")
XS599: 600 mm (23 3/4")

Door Swing Clearance

XS899: 1470 mm (57 7/8")
XS749: 1320 mm (52")
XS599: 1170 mm (46")

Door Opening Angle

105°

Width

XS899: 899 mm (35 3/8")
XS749: 749 mm (29 1/2")
XS599: 599 mm (23 5/8")

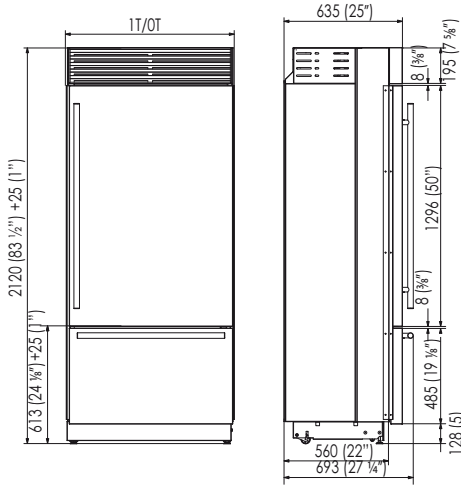
Height

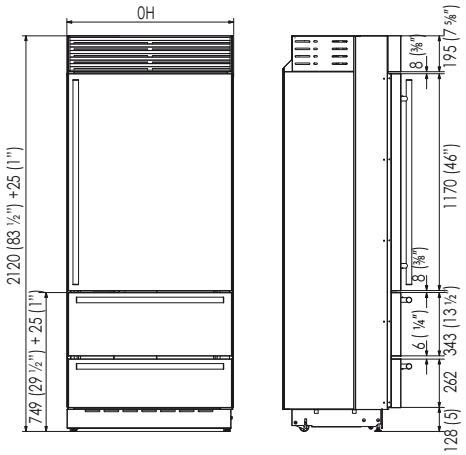
2120 mm (83 1/2") + 25 mm (1")

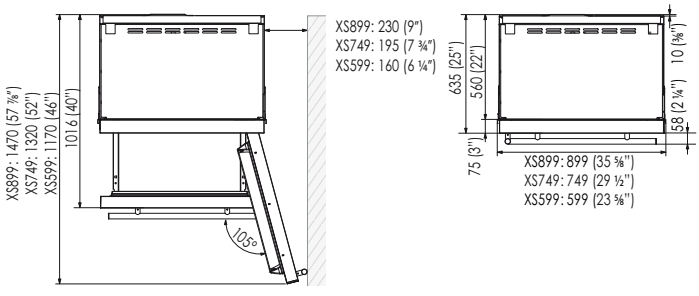
Depth with door (without panel)

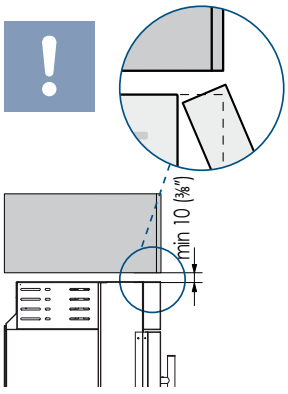
635 mm (25 ")

Important: A 90° door opening is sufficient to allow opening and full extraction of the inner drawers, even if the appliance is installed directly adjacent to a wall. Should an opening at 105° be desired, then the appliance should be positioned at the distance from the wall described in figure.



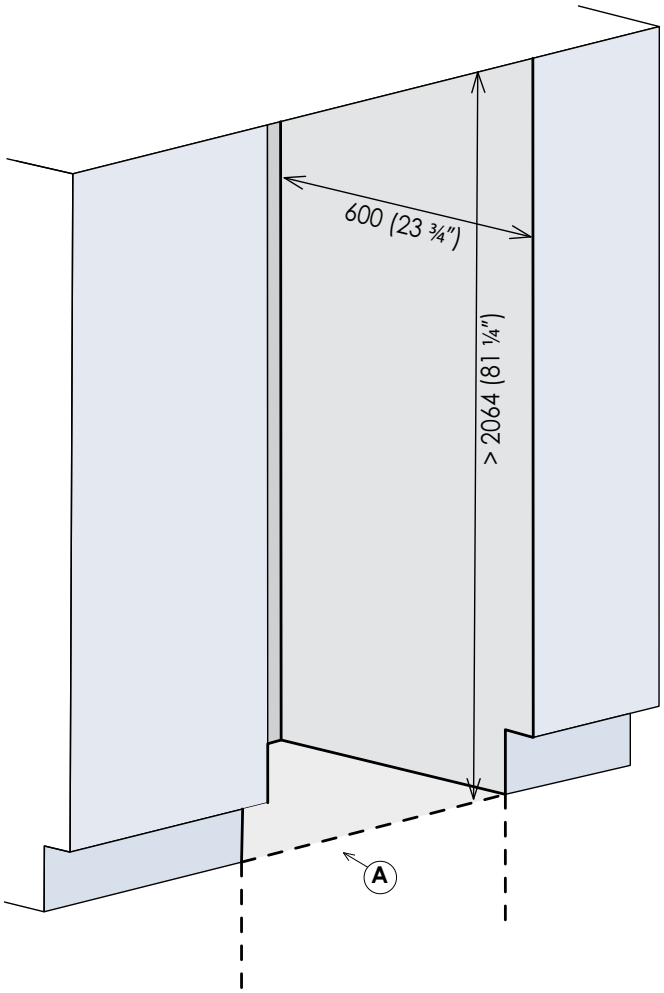


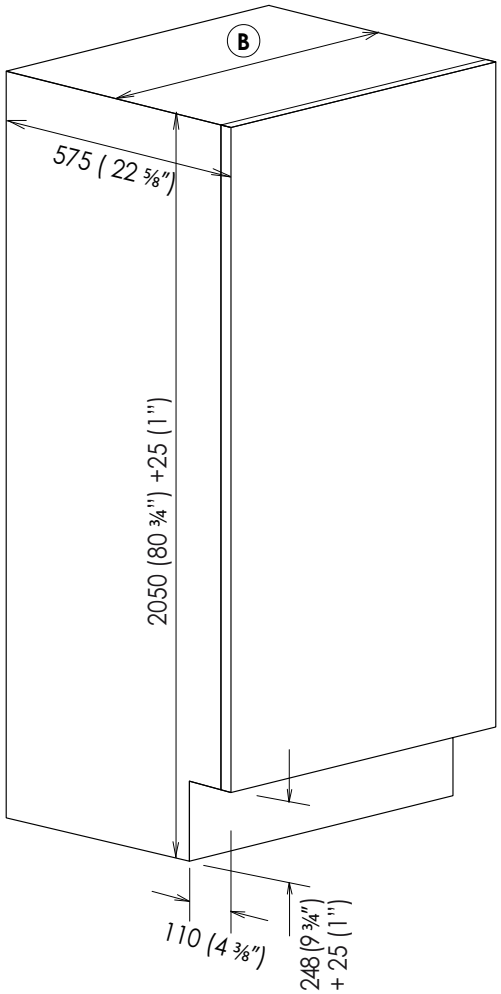




Technical data

Niche dimensions: Brilliance-Integrated Series





The foots adjustment system allows to increase the height of the apparatus of 25 mm (1“) than the height of 2050 mm (80 3/4” in)

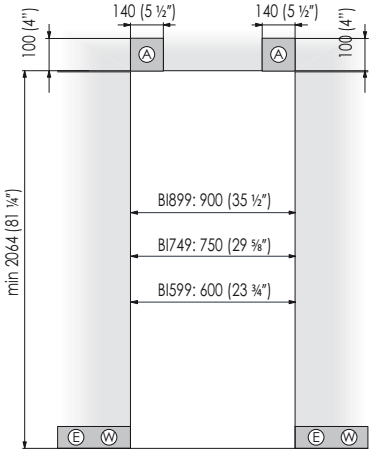
	899	**749**	**599**
Niche Width **A**	900 mm (35 1/2" in)	750 mm (29 5/8" in)	600 mm (23 3/4" in)
Unit Width **B**	887 mm (35" in)	737 mm (29" in)	587 mm (23 1/8" in)

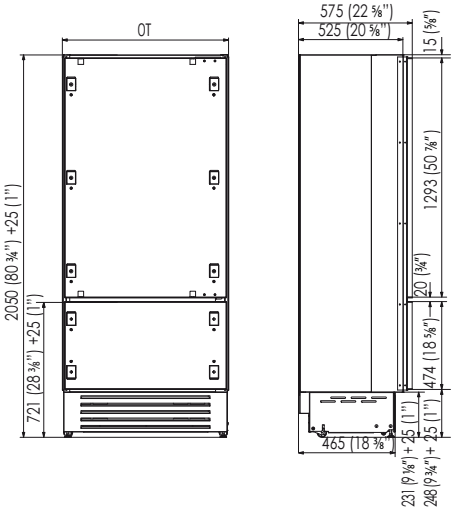
For installation of two or more units, refer to p. 34

Installation niche features: Brilliance-Integrated Series

A area to be left clear for the anti-tipping brackets

E area to be left clear for the power supply cable
W and water supply hose





Minimum Niche Height

2064 mm (81 1/4")

Minimum Niche Width

BI899: 900 mm (35 1/2")
BI749: 750 mm (29 5/8")
BI599: 600 mm (23 3/4")

Door Swing Clearance

BI899: 1435 mm (56 1/2" in)
BI749: 1285 mm (50 5/8" in)
BI599: 1135 mm (44 3/4" in)

Door Opening Angle

105°

Width

BI899: 899 mm (35 3/8")
BI749: 749 mm (29 1/2")
BI599: 599 mm (23 5/8")

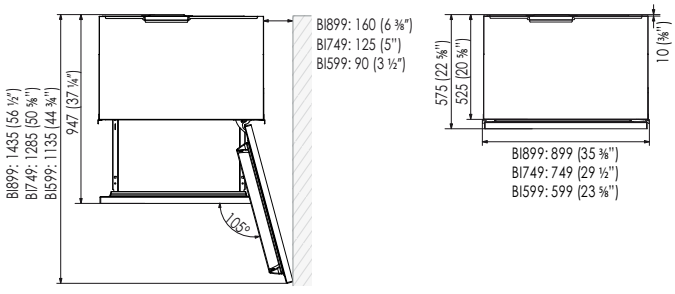
Height

2050 mm (80 3/4") + 25 mm (1")

Depth with door (without panel)

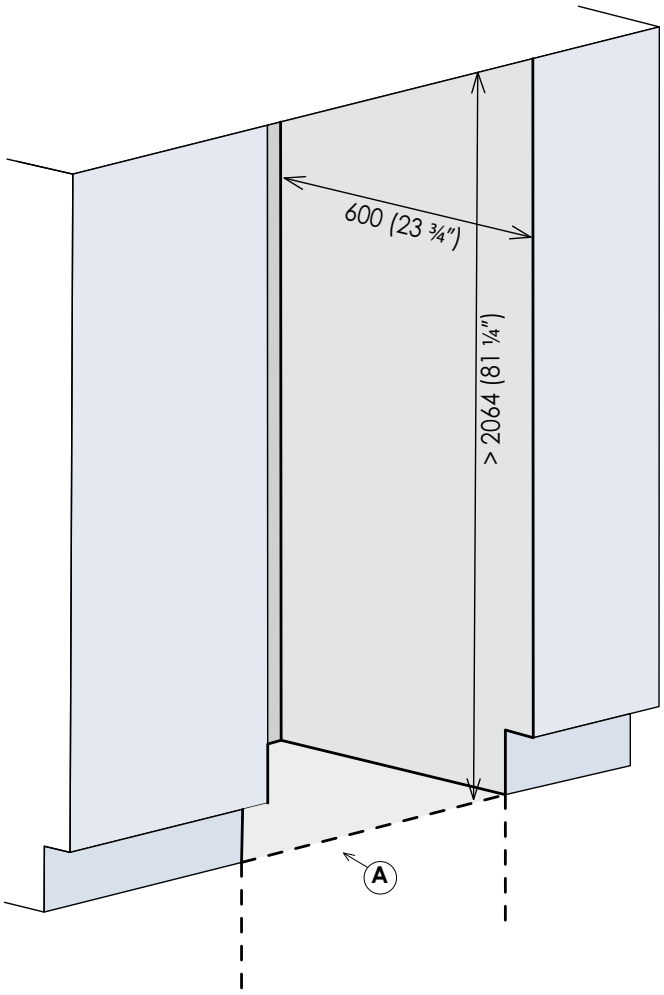
575 mm (22 5/8" in)

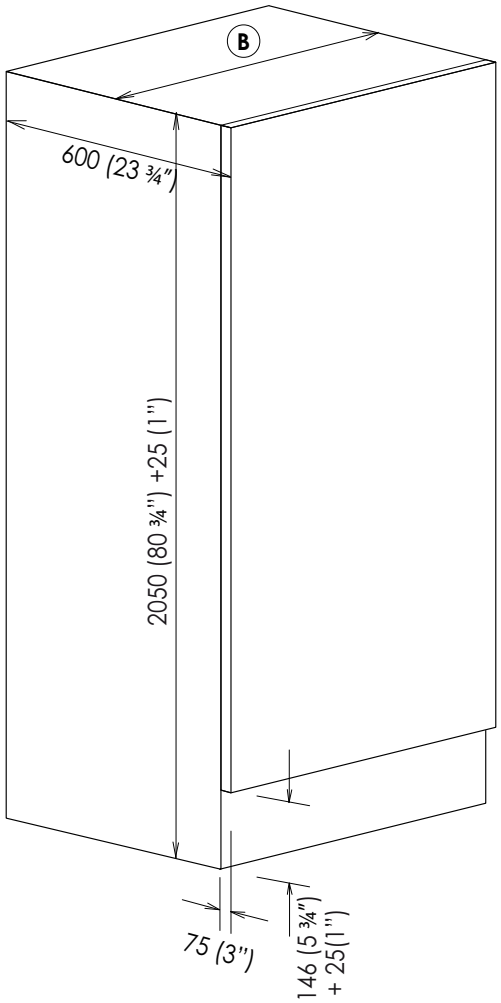
Important: A 90° door opening is sufficient to allow opening and full extraction of the inner drawers, even if the appliance is installed directly adjacent to a wall. Should an opening at 105° be desired, then the appliance should be positioned at the distance from the wall described in figure.



Technical data

Niche dimensions: Brilliance-Classic Series





The foots adjustment system allows to increase the height of the apparatus of 25 mm (1“) than the height of 2050 mm (80 3/4” in)

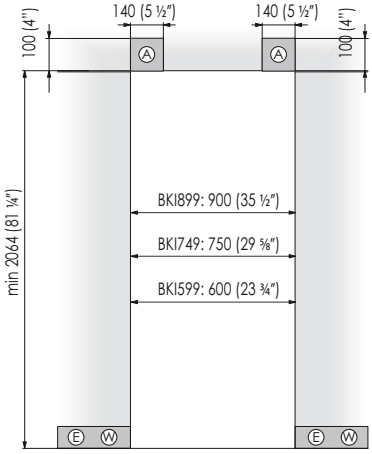
	899	**749**	**599**
Niche Width **A**	900 mm (35 1/2" in)	750 mm (29 5/8" in)	600 mm (23 3/4" in)
Unit Width **B**	887 mm (35" in)	737 mm (29" in)	587 mm (23 1/8" in)

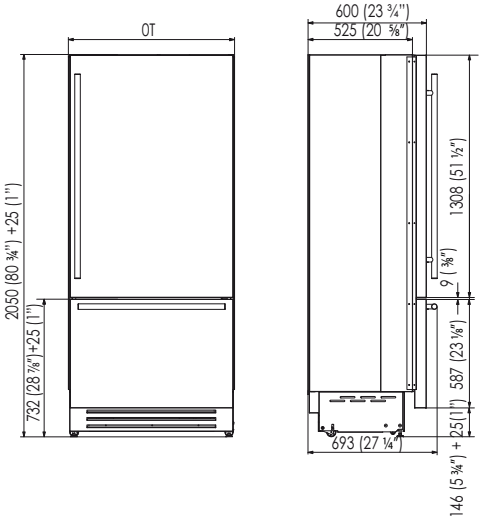
For installation of two or more units, refer to p. 34

Installation niche features: Brilliance-Classic Series

A area to be left clear for the anti-tipping brackets

E area to be left clear for the power supply cable
W and water supply hose





Minimum Niche Height

2064 mm (81 1/4")

Minimum Niche Width

BKI899: 900 mm (35 1/2")
BKI749: 750 mm (29 5/8")
BKI599: 600 mm (23 3/4")

Door Swing Clearance

BKI899: 1435 mm (56 1/2" in)
BKI749: 1285 mm (50 5/8" in)
BKI599: 1135 mm (44 3/4" in)

Door Opening Angle

105°

Width

BKI899: 899 mm (35 3/8")
BKI749: 749 mm (29 1/2")
BKI599: 599 mm (23 5/8")

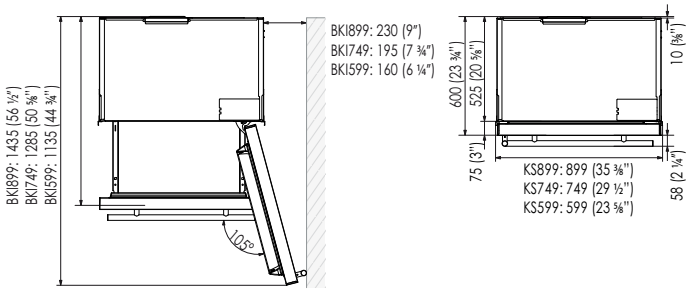
Height

2050 mm (80 3/4") + 25 mm (1")

Depth with door (without panel)

600 mm (23 3/4" in)

Important: A 90° door opening is sufficient to allow opening and full extraction of the inner drawers, even if the appliance is installed directly adjacent to a wall. Should an opening at 105° be desired, then the appliance should be positioned at the distance from the wall described in figure.

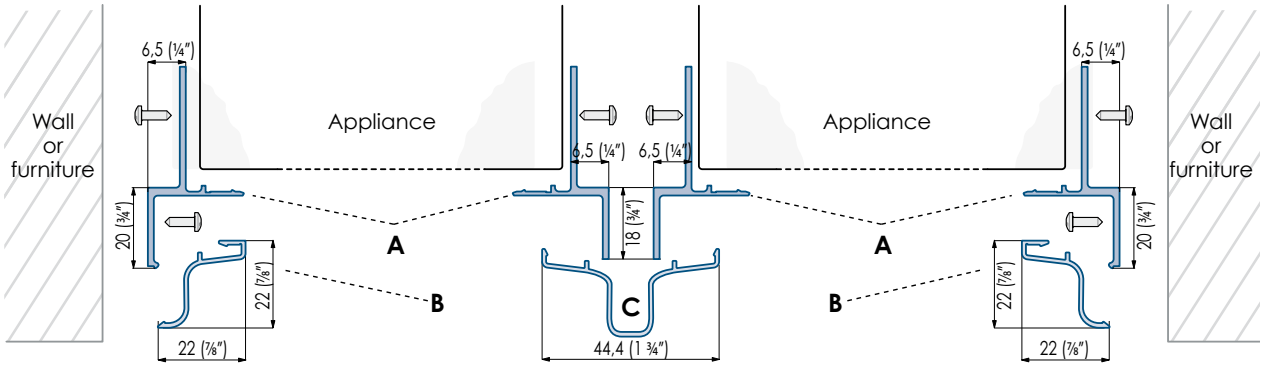


Installation Niche Width for Combinations

In order to calculate the total niche dimension for installation of two or more appliances, the following elements are to be considered:

- Lateral connecting kit (6,5 mm/0,2 in)
- Central connecting kit (13 mm/0,5 in)
- Lateral connecting kit (6,5 mm/0,2 in)

The joining kit is positioned between two units to secure them together.
The following table givesa few examples:



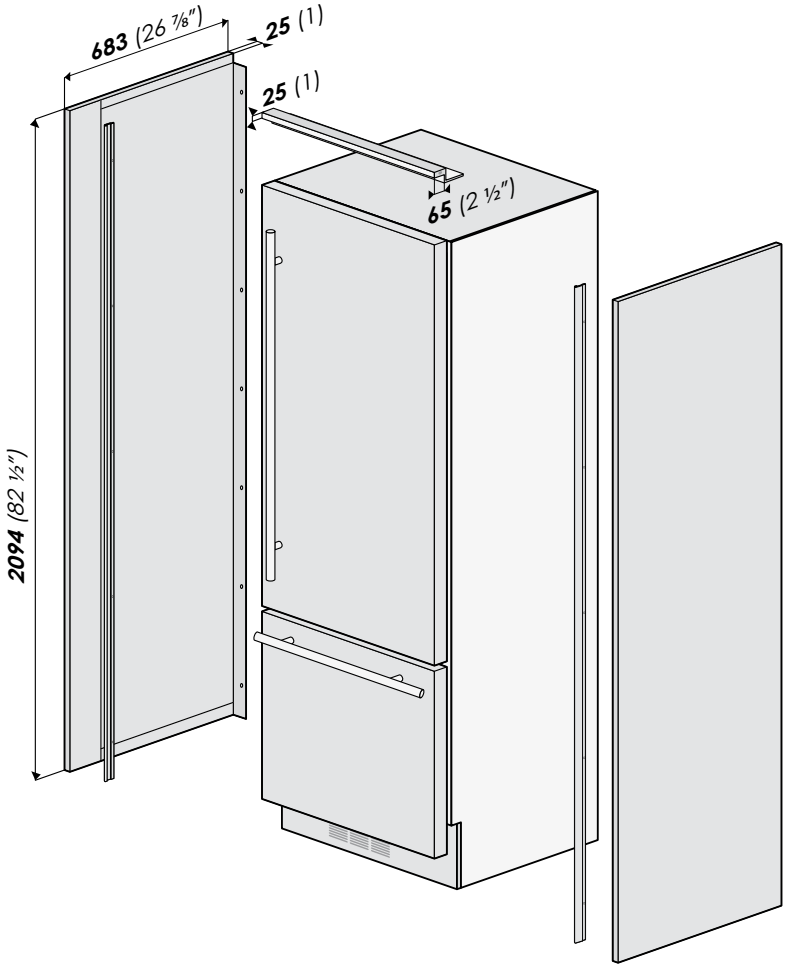
A Connecting element
B Aluminium frame
C Anti-condensation panel

Combination	Lateral Connecting Framing Kit	Unit	Joining Kit	Unit	Lateral Connecting Framing Kit	Total Niche
899+599	6,5 (1/4")	887 (35")	13 (1/2")	587 (23 1/8")	6,5 (1/4")	1500 (59")
899+749	6,5 (1/4")	887 (35")	13 (1/2")	737 (29")	6,5 (1/4")	1650 (65")
899+899	6,5 (1/4")	887 (35")	13 (1/2")	887 (35")	6,5 (1/4")	1800 (70")
749+599	6,5 (1/4")	737 (29")	13 (1/2")	587 (23 1/8")	6,5 (1/4")	1350 (53 1/8")
749+749	6,5 (1/4")	737 (29")	13 (1/2")	737 (29")	6,5 (1/4")	1500 (59")
599+599	6,5 (1/4")	587 (23 1/8")	13 (1/2")	587 (23 1/8")	6,5 (1/4")	1200 (47 1/4")
899+599+599	6,5 (1/4")	887 (35")	13 (1/2")x2	587 (23 1/8")x2	6,5 (1/4")	2100 (82 5/8")
749+749+899	6,5 (1/4")	737 (29")x2	13 (1/2")x2	887 (35")	6,5 (1/4")	2400 (94 1/2")

Free-standing kit

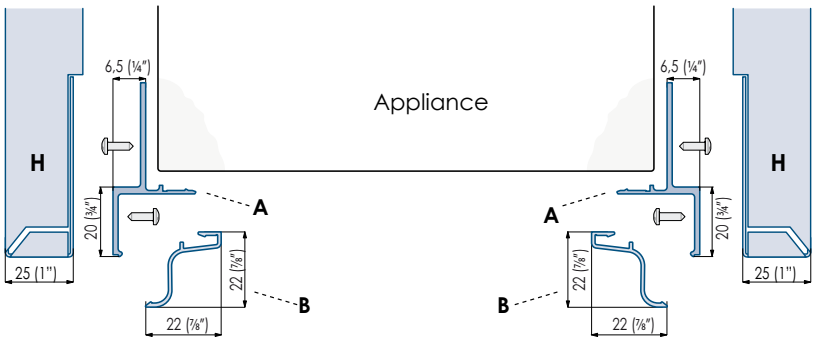
All models of the Integrated series can be installed as built-in or freestanding, using the free-standing kit (cod. ES00000000) to frame the single unit or combination of units with an all-stainless steel portal composed of two side panels and one top.

While the two side panels are available in standard dimension, the top element can be customized to fit combinations of two or more elements.



Series	Width Stainless-Stee Sides
899	950 mm (37 3/8" in)
749	800 mm (31 1/2" in)
599	650 mm (25 5/8" in)

Installation side panel

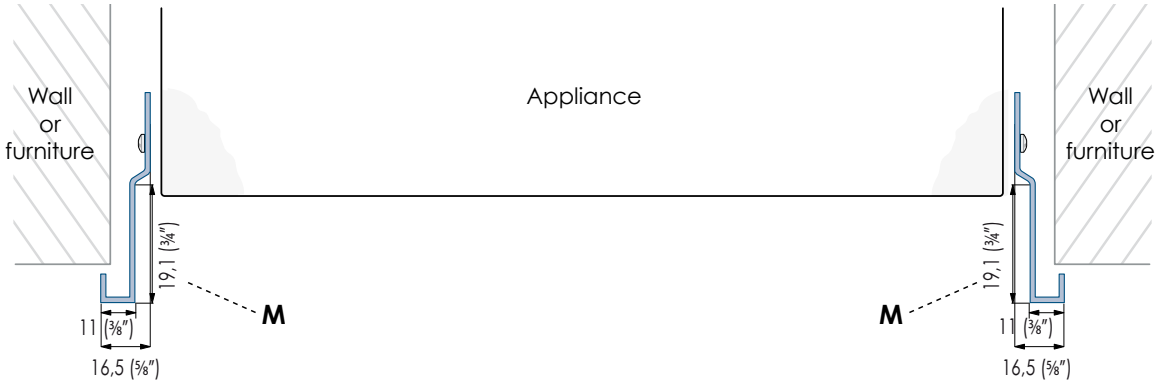


A Connecting element
B Aluminium frame

H Side panel

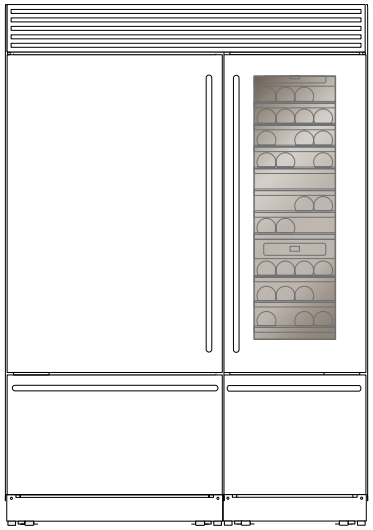
Kit Built-In for S and K series

The models of the Integrated and Classic series have the opportunity to be placed one or more built using the Built-In side covers and the dashboard in stainless steel (code KI00000000), thereby keeping all in line with the existing structure.
The dashboards are available in different widths for individual installations and installations for multiple units side by side.



M Built-in Connecting element

Top grill X-Pro series



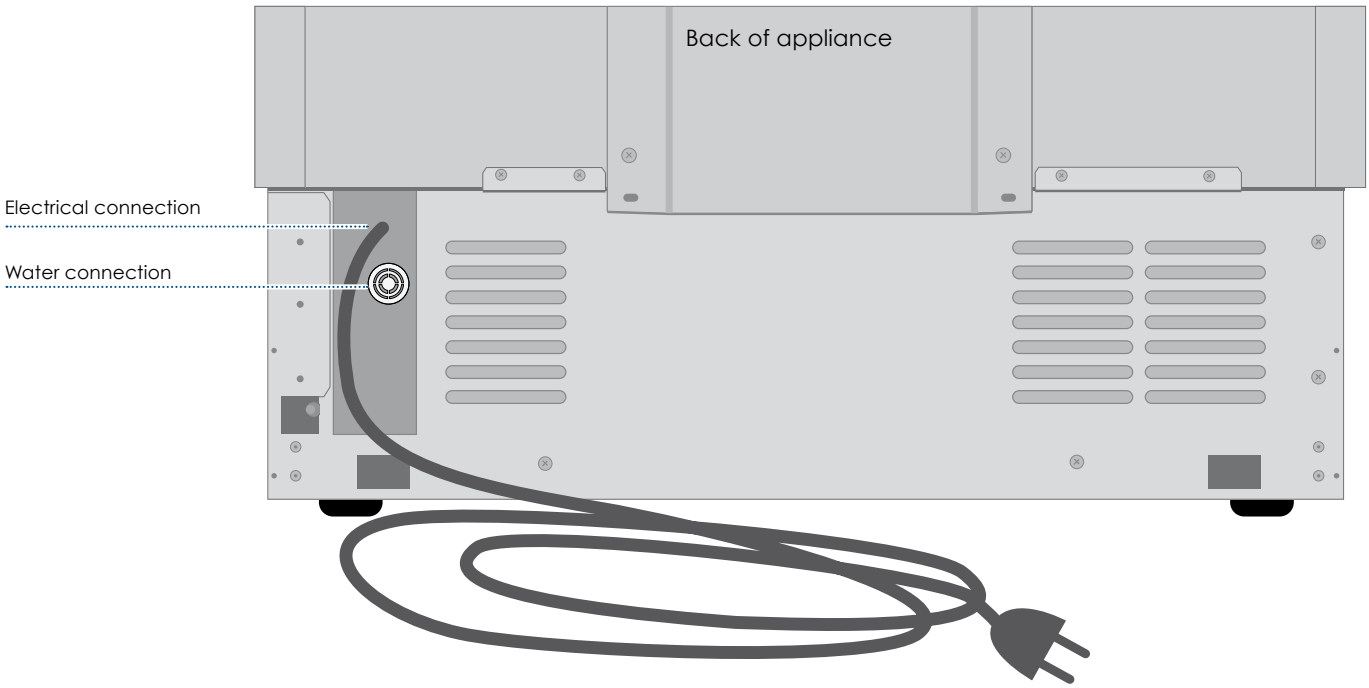
In the case of combination of two units of the X-Pro you can request the option of the top grill and the front kick plate only up to the maximum of 180 cm.
You can ask the viability of larger sizes and costs.

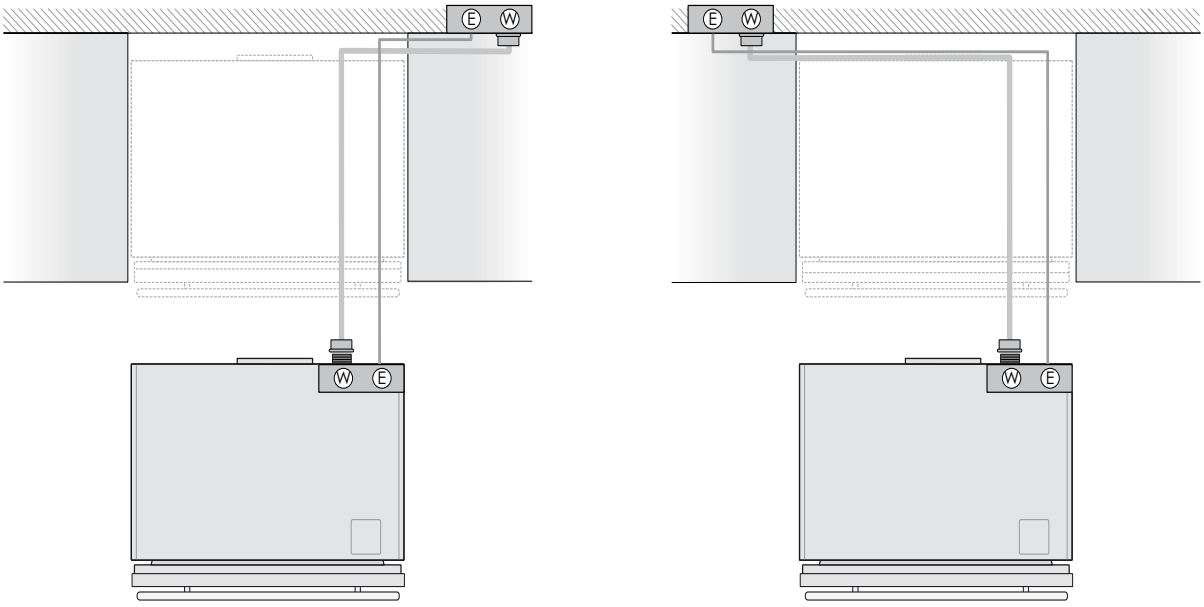
Electrical and Water connections

Accessories for power supply, earthed plug and cable, are included with the shipment of the appliance; a separate electric circuit with a 220V AC, 50Hz power supply is required.

Models with **Ice Maker or water dispenser** must be connected to the water piping system through the plastic tube supplied with the appliance. The installation of a water closing valve is recommended in an easily accessible area allowing closure of the refrigerator circuit separately from the general water circuit.

The Ice Maker operates with a water pressure ranging between 2.2 bar and 7.8 bar. Should an **independent or centralised water filtering** system be already installed, Fhiaba's filtering system can be bypassed by removing the filter cartridge.





E = Electrical cord length: 2,0 mt (78 3/4 in)
W = Water connection line lenght: 2,5 mt (98 3/8 in)

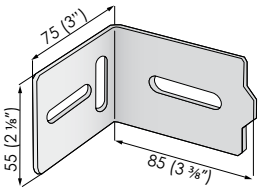
Energy: Alternatives and Home Automation

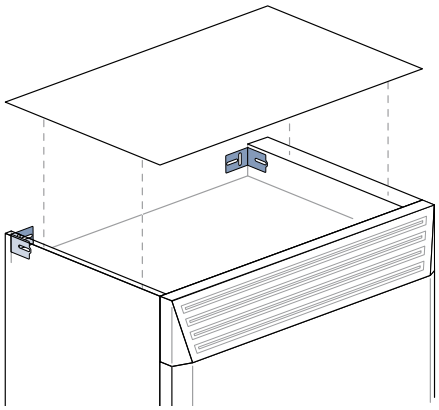
If energy is supplied through an alternative energy power source (solar, geothermal, etc..) or if home automation systems are installed, it is necessary to install the Alternative Energy Kit to integrate the unit into the power grid.

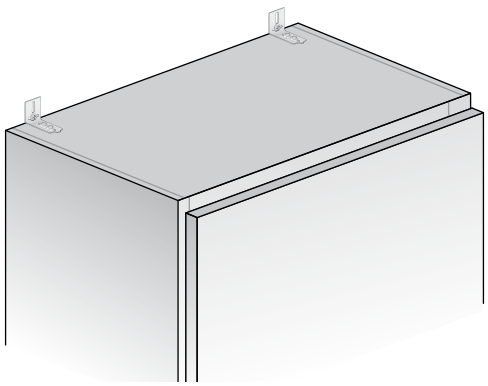
Anti - tipping system

To prevent the appliance from tipping over, is necessary to install the supplied "Standard Anti-tipping Kit" which allows the mounting of the appliance at a maximum distance of 53 mm (2 in) from the rear wall of the installation area.
If the refrigerator is to be installed within units deeper than 67 cm (26,3 in), the "Extra Length Anti-tipping Kit" can be ordered (cod. B04000900) separately, allowing the installation in structures up to 80 cm (31,4 in) deep.
In case of deeper structures a wooden plynth must be used to connect the anti-tipping bracket to the rear wall of the installation area.

Standard Anti-Tipping Kit
B04000200



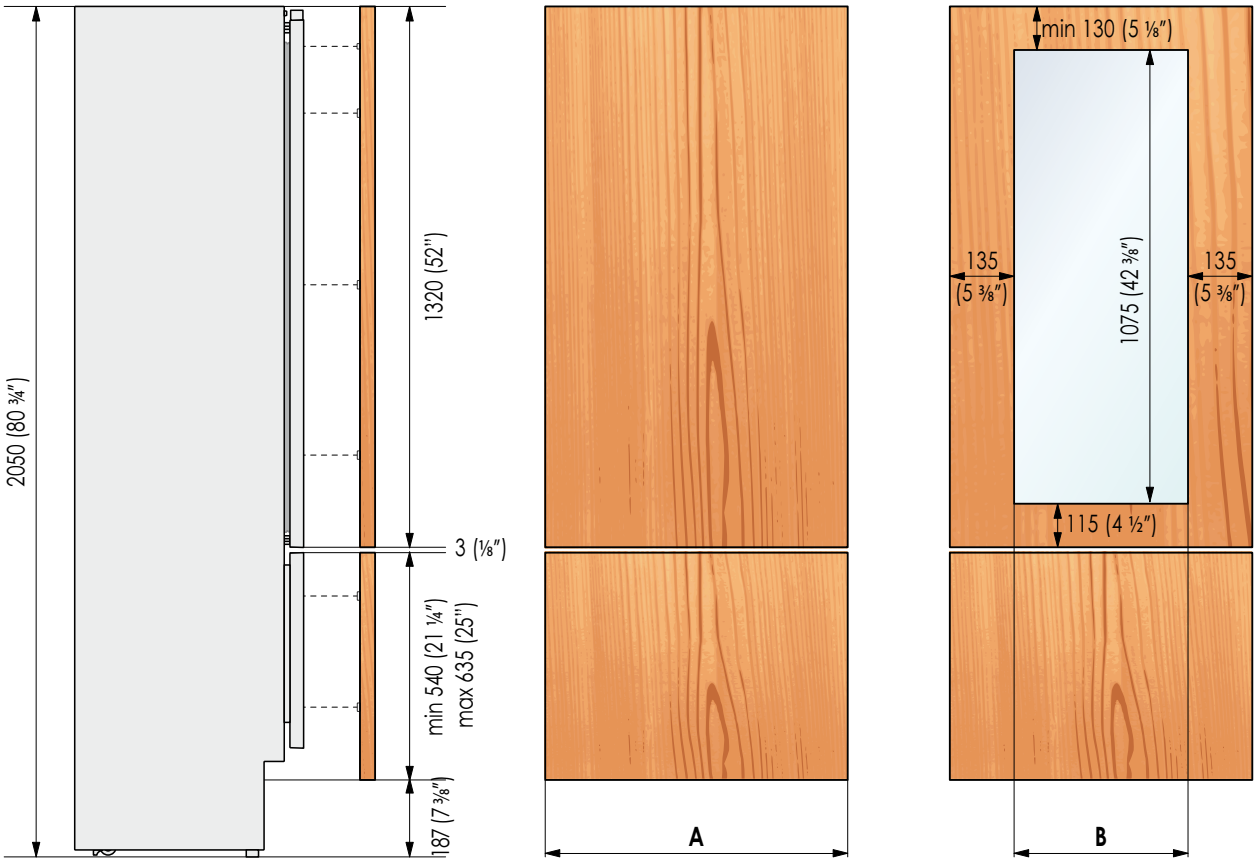




Height of Panels Calculation models with One Bottom - Drawer (1T/0T)

Panels with width ranging between 18 mm (3/4 in) and 28 mm (1 1/8 in).
Door panels with weight max of 23 kg (51 lb) and drawer panels with weight max of 11kg (25 lb)

Series	Door/Drawer Width **A**	Door Cutout Width **B**
899	897 (35 1/4")	627 (24 34")
749	747 (29 3/8")	477 (18 3/4")
599	597 (23 1/2")	327 (12 7/8")



Examples of calculation

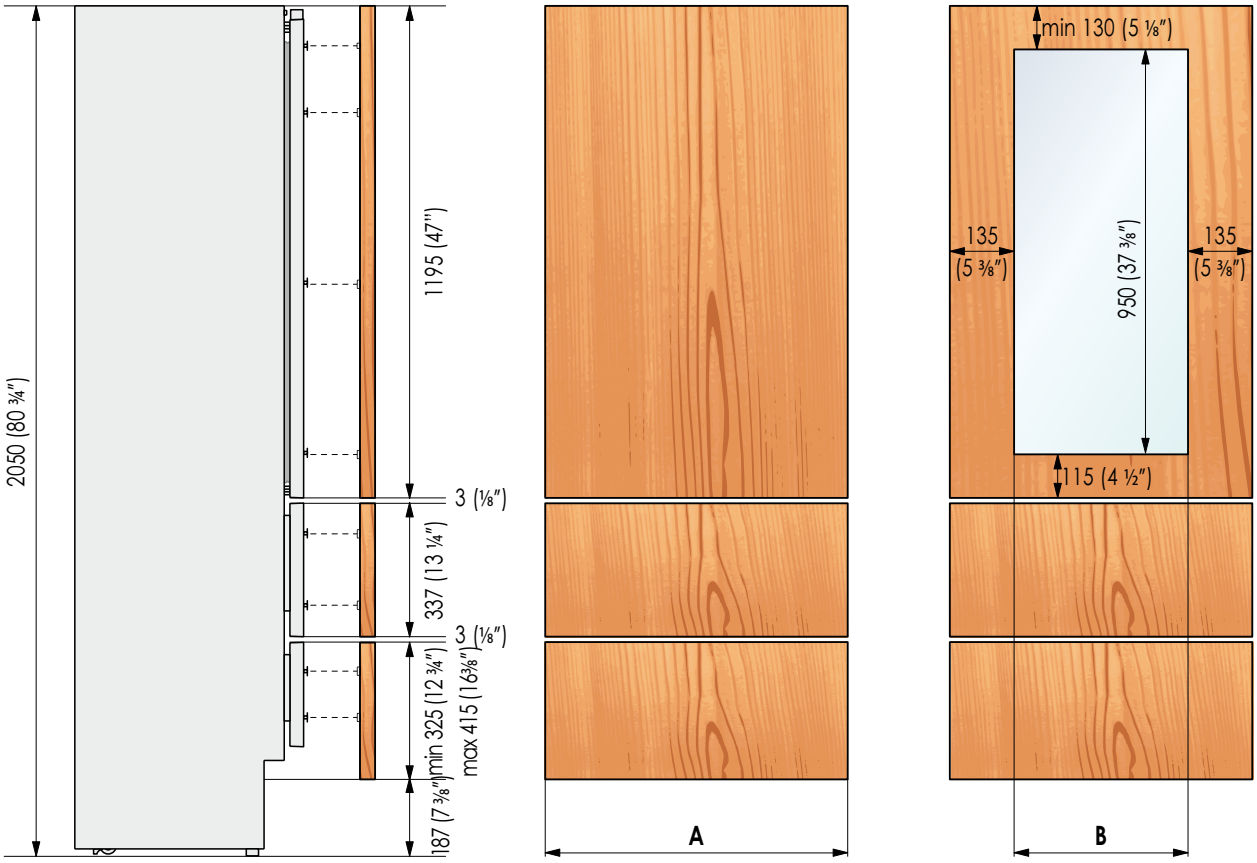
- Integration in a kitchen column of total height 2160 mm (85 in) and 150 mm (6 in) kickplate.
  (NOTE: In calculating the adjustment foot is considered to 0).

Drawer Calculation:
Kickplate 187 - 150 = 37 mm (1 1/2 in) → 540 + 37 = **577** mm (**22 3/4** in)
Upper Panel Calculation:
2160 - 2050 = 110 mm (4 3/8 in) → 1320 + 110 = **1430** mm (**56 1/4** in)
Total Height Calculation:
150 + 577 + 3 + 1430 = **2160** mm (**85** in)

Height of Panels Calculation models with Two Bottom - Drawers (0H)

Panels with width ranging between 18 mm (3/4 in) and 28 mm (1 1/8 in).
Door panels with weight max of 23 kg (51 lb) and drawer panels with weight max of 11kg (25 lb)

Series	Door/Drawer Width **A**	Door Cutout Width **B**
899	897 (35 1/4")	627 (24 3/4")
749	747 (29 3/8")	477 (18 3/4")
599	597 (23 1/2")	327 (12 7/8")



Examples of calculation

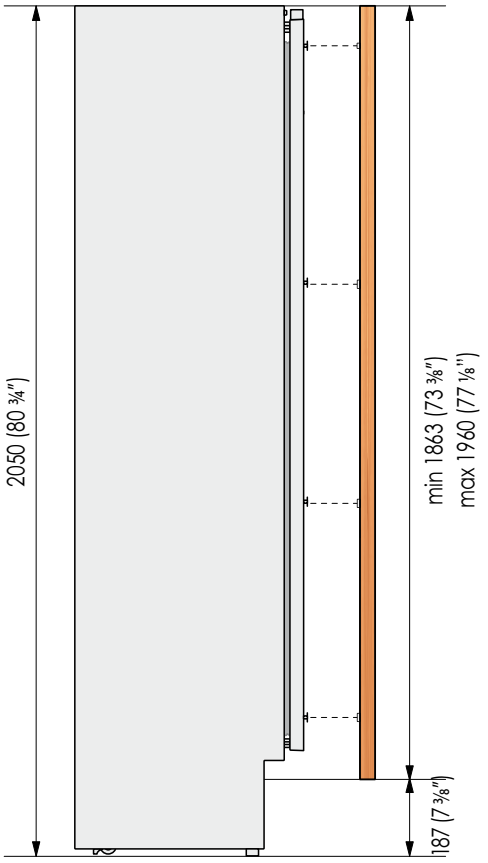
- Integration in a kitchen column of total height 2160 mm (85 in) and 150 mm (6 in) kickplate.
  (NOTE: In calculating the adjustment foot is considered to 0).

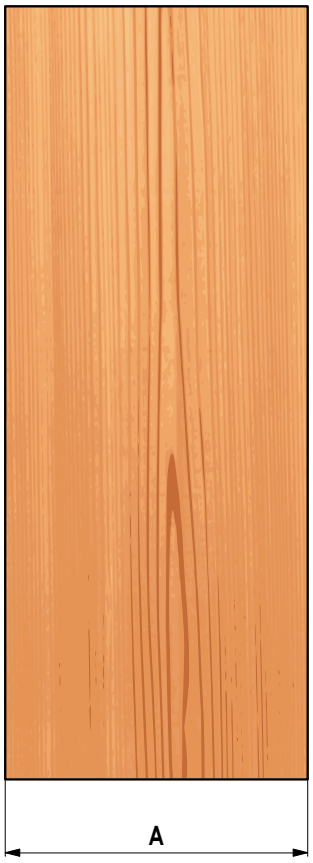
Inner Drawer Calculation:
Kickplate 187 - 150 = 37 mm (1 1/2 in) → 325 + 37 = **362** mm (**14,2** in)
Upper Panel Calculation:
2160 - 2050 = 110 mm (4 3/8 in) → 1195 + 110 = **1305** mm (**51 3/8** in)
Total Height Calculation:
150 + 362 + 3 + 337 + 3 + 1305 = **2160** mm (**85** in)

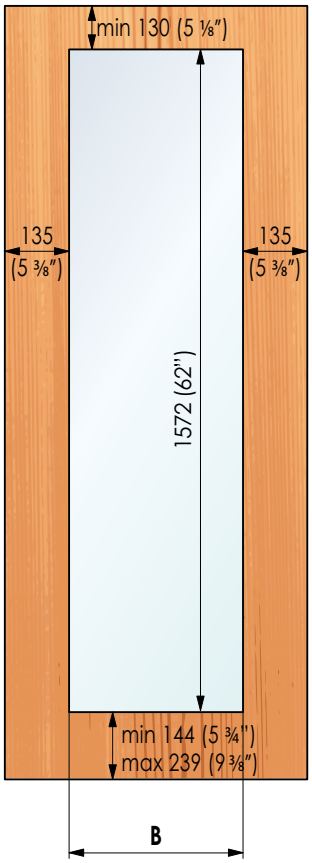
Height of Panels Calculation Column models

Panels with width ranging between 18 mm (3/4 in) and 28 mm (1 1/8 in).
Door panels with weight max of 34 kg (75 lb)

Series	Door/Drawer Width **A**	Door Cutout Width **B**
899	897 (35 1/4")	627 (24 3/4")
749	747 (29 3/8")	477 (18 3/4")
599	597 (23 1/2")	327 (12 7/8")





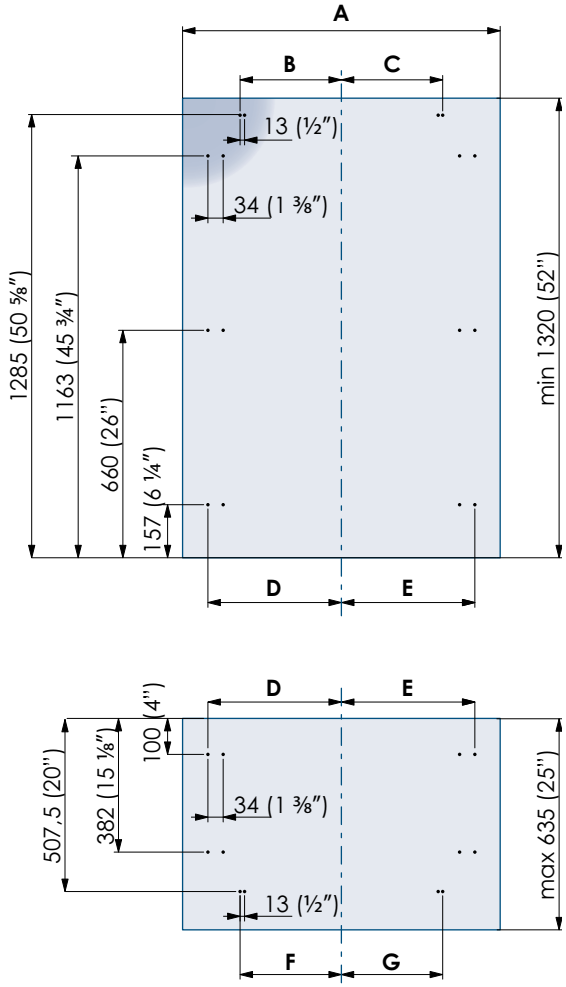


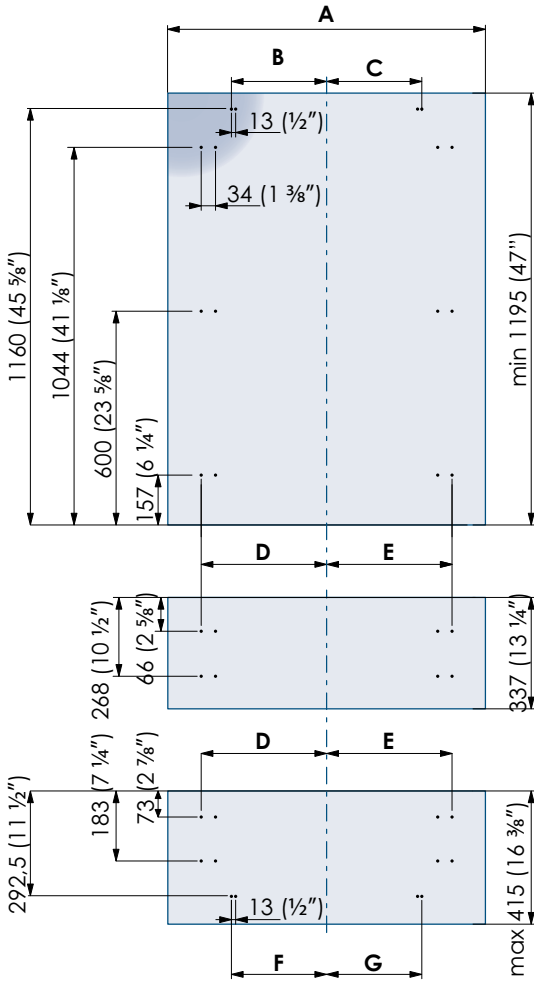
Fixing of custom panels

For the application of customised panels to the front of doors and drawers, Fhiaba has designed a patented system, made up of small brackets to be attached on the panels, which will be hooked to the fixings on the fridge door.
Refer to the following picture and table for the positioning of the brackets on the inside of the panels.

	Serie 899		Serie 749		Serie 599	
	Hinge Left	Hinge Right	Hinge Left	Hinge Right	Hinge Left	Hinge Right
A	897 (35 ¼")	897 (35 ¼")	747 (29 ⅜")	747 (29 ⅜")	597 (23 ½")	597 (23 ½")
B	355,5 (14")	261 (10 ¼")	279 (11")	187 (7 ⅜")	205 (8 ⅛")	111 (4 ⅜")
C	261 (10 ¼")	355,5 (14")	187 (7 ⅜")	279 (11")	111 (4 ⅜")	205 (8 ⅛")
D	418 (16 ½")	386 (15 ¼")	343 (13 ¼")	311 (12 ¼")	276,5 (10 ⅞")	236,5 (9 ¼")
E	386 (15 ¼")	418 (16 ½")	311 (12 ¼")	343 (13 ¼")	236,5 (9 ¼")	276,5 (10 ⅞")
F / G	354,5 (14")	354,5 (14")	279,5 (11")	279,5 (11")	203,5 (8")	203,5 (8")

Dimensions are in millimeters unless otherwise specified.

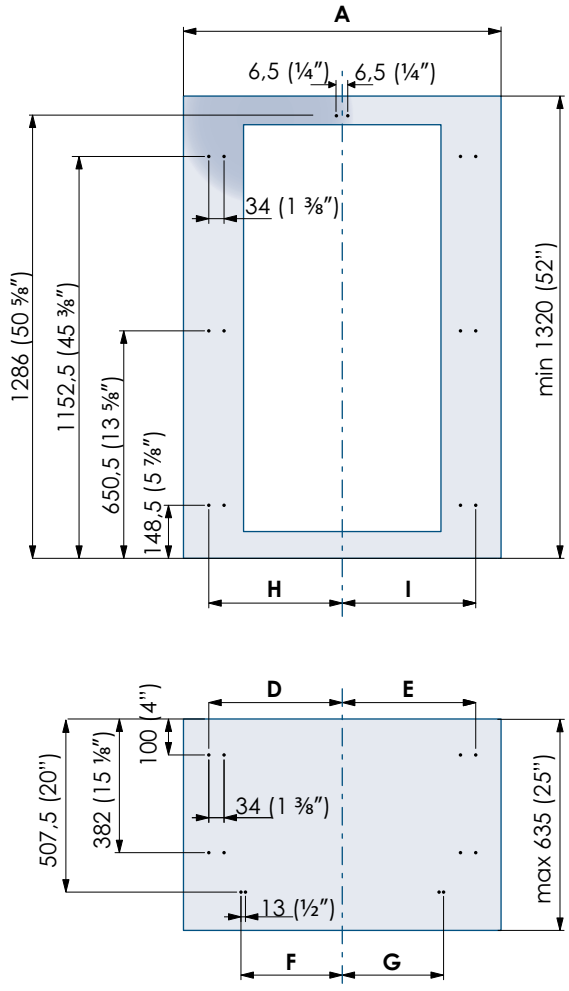


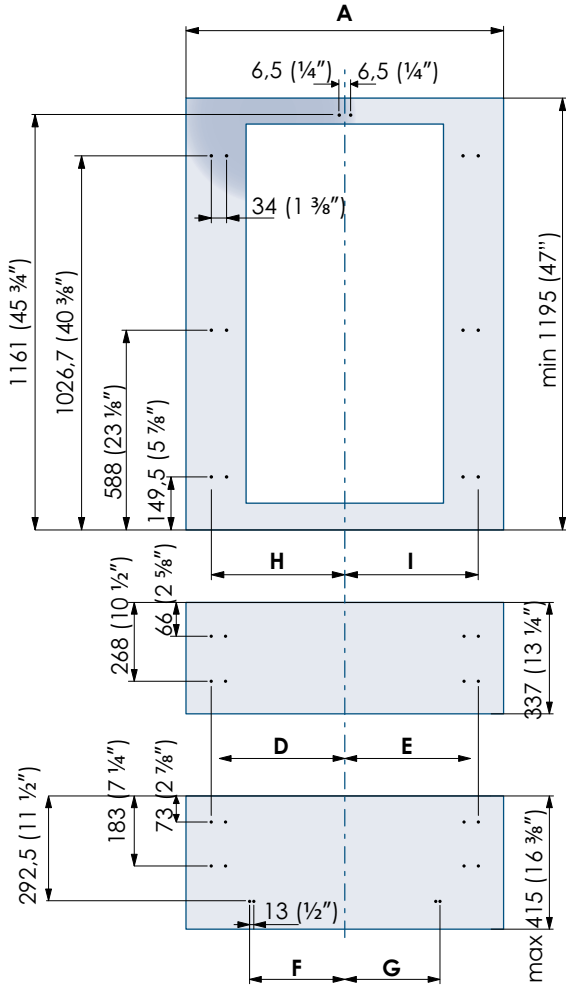


Fixing of custom panels for glass door

	Serie 899		Serie 749		Serie 599	
	Hinge Left	Hinge Right	Hinge Left	Hinge Right	Hinge Left	Hinge Right
A	897 (35 ¼")	897 (35 ¼")	747 (29 ⅜")	747 (29 ⅜")	597 (23 ½")	597 (23 ½")
D	418 (16 ½")	386 (15 ¼")	343 (13 ½")	311 (12 ¼")	276,5 (10 ⅞")	236,5 (9 ⅜")
E	386 (15 ¼")	418 (16 ½")	311 (12 ¼")	343 (13 ½")	236,5 (9 ⅜")	276,5 (10 ⅞")
F / G	354,5 (14")	354,5 (14")	279,5 (11")	279,5 (11")	203,5(8")	203,5(8")
H	412 (16 ¼")	380 (15")	337 (13 ¼")	305 (12")	270,5 (10 ⅝")	230,5 (9 ⅛")
I	380 (15")	412 (16 ¼")	305 (12")	337 (13 ¼")	230,5 (9 ⅛")	270,5 (10 ⅝")

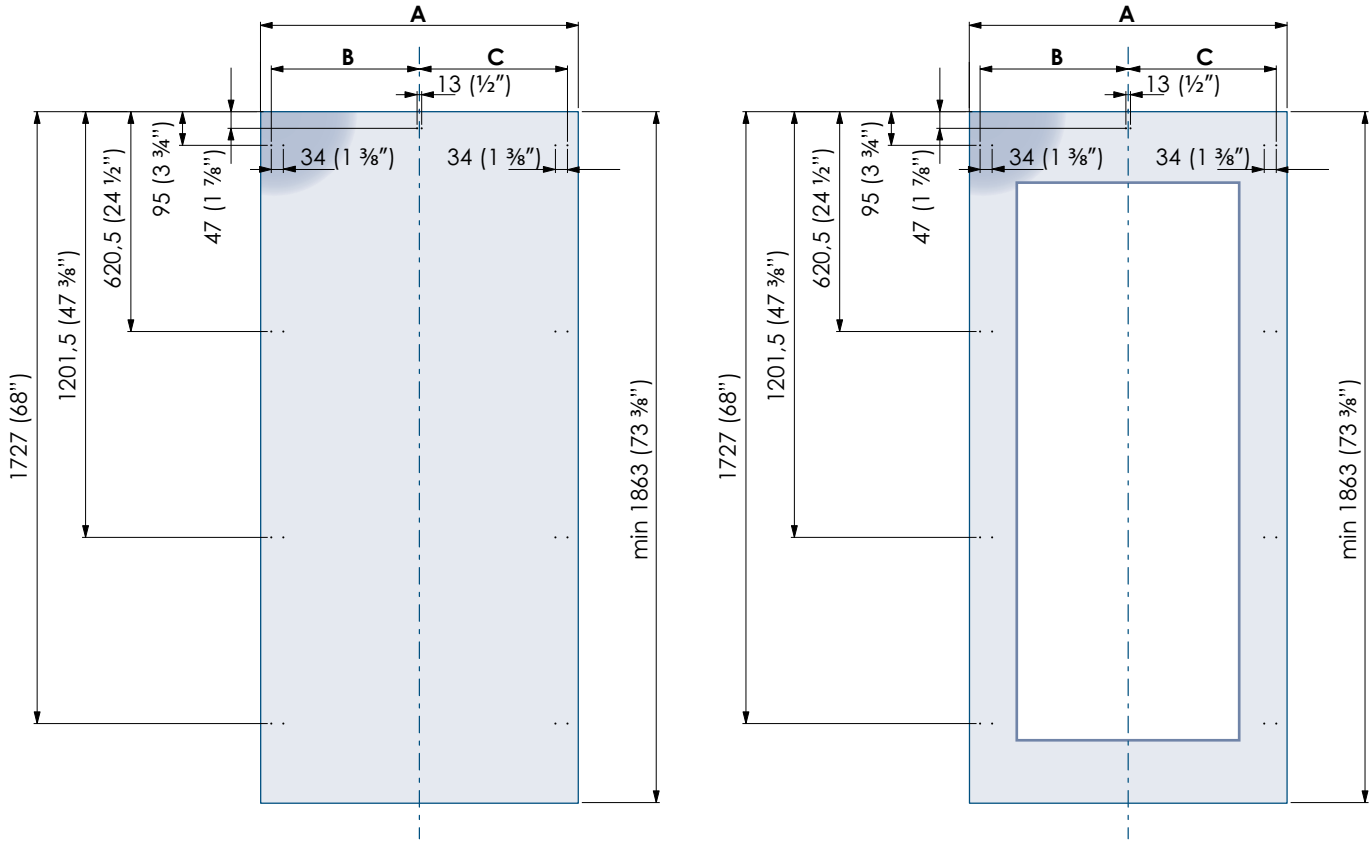
Dimensions are in millimeters unless otherwise specified.





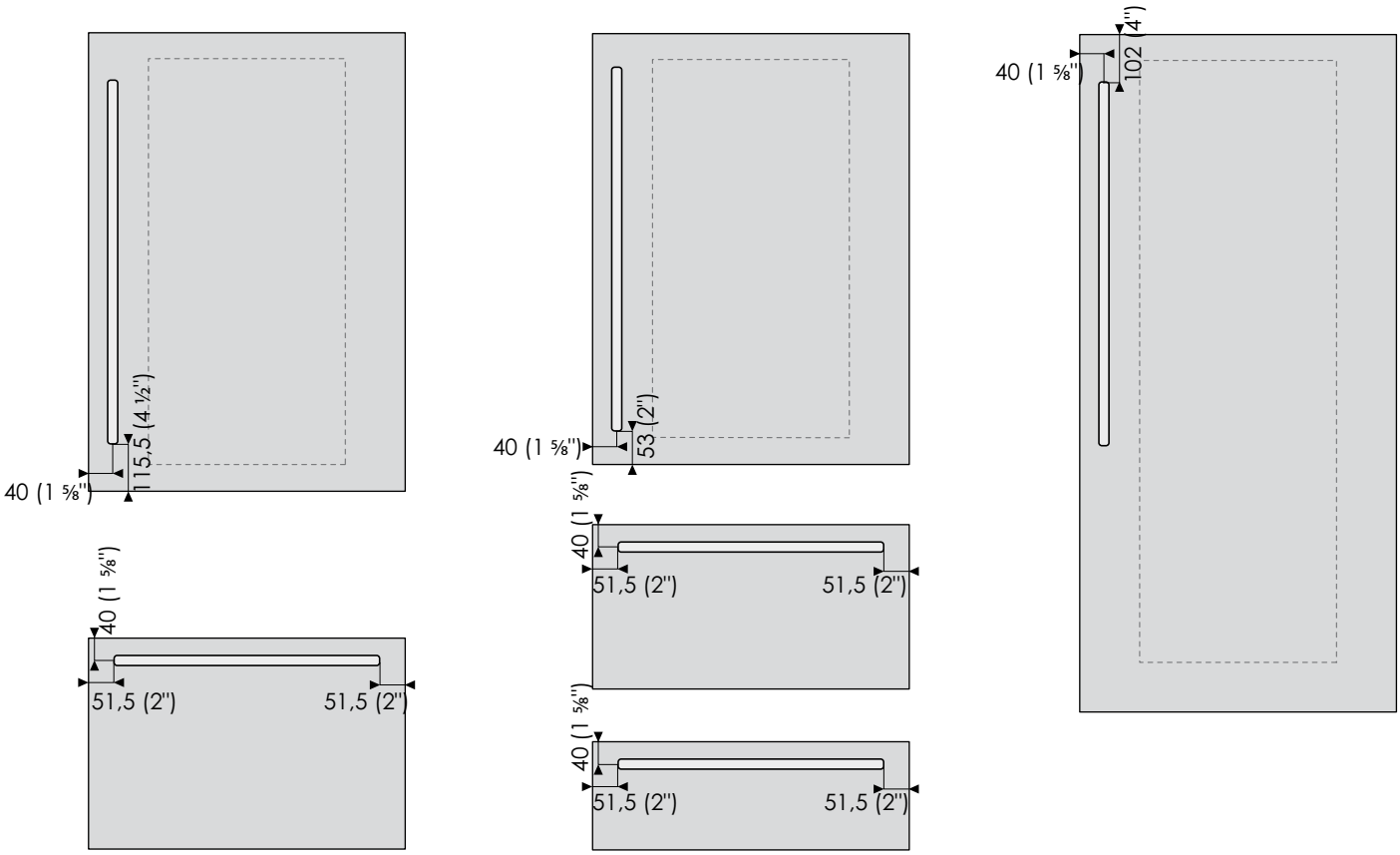
Fixing of custom panels for column door

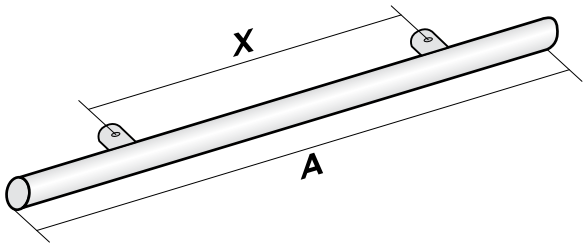
	Series 899	Series 749	Series 599	
			Hinge Left	Hinge Right
A	897 (35 ¼")	747 (29 ⅜")	597 (23 ½")	597 (23 ½")
B	418 (16 ½")	343 (13 ½")	276,5 (10 ⅞")	268 (10 ½")
C	418 (16 ½")	343 (13 ½")	268 (10 ½")	276,5 (10 ⅞")



Tubolar handles

For installation on stainless steel panels or directly on wood panels, there are tubular handles in satin-finish stainless steel, diameter 30 mm (1 1/8 in).

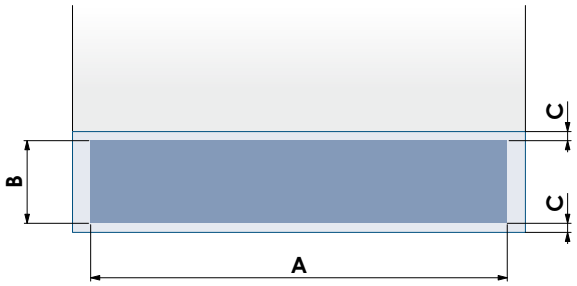




	Handle product code			
	HV	HO8	HO7	HO5
Lenght A	1104 mm (43 1/2" in)	794 mm (31 1/4" in)	644 mm (25 3/8" in)	494 mm (19 1/2" in)
Distance between fixing points X	900 mm (35 3/8" in)	480 mm (18 7/8" in)	490 mm (19 1/4" in)	340 mm (13 3/8" in)
Series	899 749 599	899	749	599

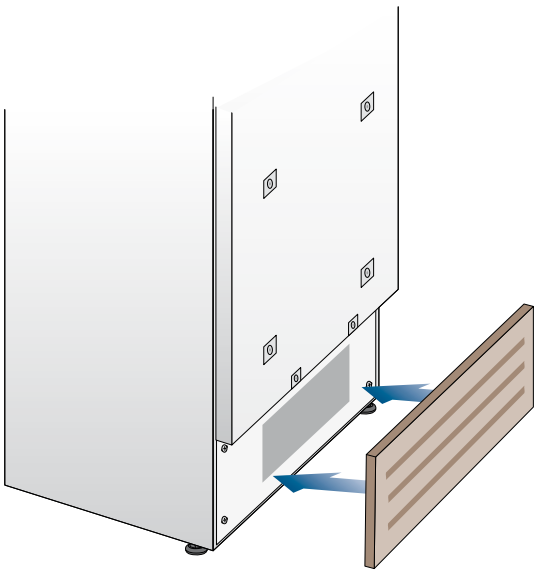
Ventilation

For installation on stainless steel panels or directly on wood panels, there are tubular handles in satin-finish stainless steel, diameter 30 mm (1 1/8 in).



	899	749	599
A	860 (33 7⁄8")	740 (29 1⁄8")	560 (22")
B	min 100 (4")		
C	10 (3⁄8")		
	min 50%		

A forced air system assures ventilation through a grille positioned in the lower front part of the unit. If the kitchen design includes a kickplate, the latter has to be punched in order to maintain a satisfactory air flow, as described in the drawing. Holes can be in any shape and size, as long as the total area of the punched part equals 50% of the kickplate are.
In this case, to guarantee a better air flow, it is advisable to remove the front grille included with the unit. The grille is secured to the unit with magnetic plates and can be easily removed even by the end user, to provide for regular cleaning procedures and remove dust.
If the grille is partially covered by the kitchen kickplate, it is advisable to remove the grille in order to provide for a better airflow.



Weight 899 Series

Model	Net weight	Gross weight
S8991TST	230 kg (507 lb)	250 kg (551 lb)
KS8991TST	260 kg (573 lb)	280 kg (617 lb)
MS8991TST	260 kg (573 lb)	280 kg (617 lb)
XS8991TST	260 kg (573 lb)	280 kg (617 lb)
S8990TST	215 kg (474 lb)	235 kg (518 lb)
S8990TGT	230 kg (507 lb)	250 kg (551 lb)
KS8990TST	245 kg (540 lb)	265 kg (584 lb)
KS8990TGT	260 kg (573 lb)	280 kg (617 lb)
MS8990TST	245 kg (540 lb)	265 kg (584 lb)
MS8990TGT	260 kg (573 lb)	280 kg (617 lb)
XS8990TST	245 kg (540 lb)	265 kg (584 lb)
XS8990TGT	260 kg (573 lb)	280 kg (617 lb)
S8990HST	215 kg (474 lb)	235 kg (518 lb)
KS8990HST	245 kg (540 lb)	265 kg (584 lb)
MS8990HST	245 kg (540 lb)	265 kg (584 lb)
XS8990HST	245 kg (540 lb)	265 kg (584 lb)
BI8990TST	190 kg (419 lb)	210 kg (463 lb)
BKI8990TST	220 kg (485 lb)	240 kg (529 lb)
S8990FR	200 kg (441 lb)	220 kg (485 lb)
KS8990FR	230 kg (507 lb)	250 kg (551 lb)
S8990HWT	230 kg (507 lb)	250 kg (551 lb)
KS8990HWT	260 kg (573 lb)	280 kg (617 lb)
MS8990HWT	260 kg (573 lb)	280 kg (617 lb)
XS8990HWT	260 kg (573 lb)	280 kg (617 lb)

Weight 749 Series

Model	Net weight	Gross weight
S7490TST	195 kg (430 lb)	215 kg (474 lb)
S7490TGT	205 kg (452 lb)	225 kg (496 lb)
KS7490TST	230 kg (507 lb)	250 kg (551 lb)
KS7490TGT	245 kg (540 lb)	265 kg (584 lb)
MS7490TST	230 kg (507 lb)	250 kg (551 lb)
MS7490TGT	245 kg (540 lb)	265 kg (584 lb)
XS7490TST	230 kg (507 lb)	250 kg (551 lb)
XS7490TGT	245 kg (540 lb)	265 kg (584 lb)
S7490HST	195 kg (430 lb)	215 kg (474 lb)
KS7490HST	230 kg (507 lb)	250 kg (551 lb)
MS7490HST	230 kg (507 lb)	250 kg (551 lb)
XS7490HST	230 kg (507 lb)	250 kg (551 lb)
BI7490TST	170 kg (375 lb)	190 kg (419 lb)
BKI7490TST	205 kg (452 lb)	225 kg (496 lb)
S7490FR	170 kg (375 lb)	190 kg (419 lb)
KS7490FR	200 kg (441 lb)	220 kg (485 lb)
S7490FZ	160 kg (353 lb)	180 kg (397 lb)
KS7490FZ	190 kg (419 lb)	210 kg (463 lb)
S7490HWT	205 kg (452 lb)	225 kg (496 lb)
KS7490HWT	245 kg (540 lb)	265 kg (584 lb)
MS7490HWT	245 kg (540 lb)	265 kg (584 lb)
XS7490HWT	245 kg (540 lb)	265 kg (584 lb)

Weight 599 Series

Model	Net weight	Gross weight
S5990TST	165 kg (364 lb)	185 kg (408 lb)
S5990TGT	180 kg (397 lb)	200 kg (441 lb)
KS5990TST	195 kg (430 lb)	215 kg (474 lb)
KS5990TGT	210 kg (463 lb)	230 kg (507 lb)
MS5990TST	195 kg (430 lb)	215 kg (474 lb)
MS5990TGT	210 kg (463 lb)	230 kg (507 lb)
XS5990TST	195 kg (430 lb)	215 kg (474 lb)
XS5990TGT	210 kg (463 lb)	230 kg (507 lb)
BI5990TST	160 kg (353 lb)	180 kg (397 lb)
BKI5990TST	190 kg (419 lb)	210 kg (463 lb)
S5990FR	150 kg (330 lb)	170 kg (375 lb)
KS5990FR	180 kg (397 lb)	200 kg (441 lb)
S5990FZ	140 kg (308 lb)	160 kg (353 lb)
KS5990FZ	170 kg (375 lb)	190 kg (419 lb)
S5991TWT	180 kg (397 lb)	200 kg (441 lb)
KS5991TWT	210 kg (463 lb)	230 kg (507 lb)
MS5991TWT	210 kg (463 lb)	230 kg (507 lb)
XS5991TWT	210 kg (463 lb)	230 kg (507 lb)
S5990TWT	175 kg (386 lb)	195 kg (430 lb)
KS5990TWT	245 kg (540 lb)	265 kg (584 lb)
MS5990TWT	245 kg (540 lb)	265 kg (584 lb)
XS5990TWT	245 kg (540 lb)	265 kg (584 lb)
BI5990TWT	170 kg (375 lb)	190 kg (419 lb)
BKI5990TWT	200 kg (441 lb)	220 kg (485 lb)
S5990FW	175 kg (386 lb)	195 kg (430 lb)
KS5990FW	205 kg (452 lb)	225 kg (496 lb)

11-06-2015

Fhiaba srl is constantly researching new way to improve the features and the design of their products, thereforedels are often upgraded and reviewed.

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