

Miele

**Fully Integrated
36" MasterCool**

All Refrigerator:

K 2901 Vi / K 2911 Vi

All Freezer:

F 2901 Vi / F 2911 Vi

Bottom Mount:

KF 2901 Vi / KF 2911 Vi

French Door:

KF 2981 Vi



Fully Integrated 36" MasterCool

SPECIFICATIONS			
Overall Unit Dimensions	35 ³ / ₄ " (908 mm) W x 83 ³ / ₄ "- 85 ³ / ₁₆ " (2127 - 2164 mm) H x 24" (610 mm) D [Depth does not include door panel]		
Niche			
Minimum Cabinet Niche Opening	36" (915 mm) W* x 84" - 85 ³ / ₁₆ " (2134 - 2164 mm) H x 24 ³ / ₄ " (629 mm) D		
Electrical	K 29x1 Vi	F 29x1 Vi	KF 29x1 Vi
Electrical Requirements	110V / 120V, 60Hz, 15 Amps In the case of side-by-side installations, a separate outlet must be used for each appliance.		
Power Cord	NEMA 5-15 plug, 5 ft (1.52 m)		
Plumbing	K 29x1 Vi	F 29x1 Vi	KF 29x1 Vi
Water Supply Requirements	-	Connect to a cold water supply only. Do not connect to a low-mineral or a reverse osmosis system. Must be connected to a shut-off valve. The water shut-off valve must be accessible after installation. The water pressure must be between 29 psi (2 bar) and 116 psi (8 bar). If the pressure is higher than 120 psi (8.3 bar), a pressure reducing valve must be installed.	
Water Connection Line	-	Standard 1/4" O.D flexible water line. The maximum outer diameter of the water pipe (without fittings): 3/8" (10 mm). Water line is not included.	
Shipping	K 29x1 Vi	F 29x1 Vi	KF 29x1 Vi
Shipping Weight	435 lbs (197 kg)	462 lbs (210 kg)	507 lbs (230 kg)
Shipping Dimensions	40" (1016 mm) W x 89 ¹³ / ₁₆ " (1,294 mm) H x 29 ¹ / ₄ " (800 mm) D		
Support			
Call Miele	(800) 999-1360		
Miele Website	www.mieleusa.com		
20/20 Link	2020technologies.com		

Please note the following:

- This specification sheet is for a single built-in unit.
- When combining multiple MasterCool units side-by-side, please refer to the Merging Kit specification sheet.

*If design calls for a partition less than 6⁵/₁₆" (160 mm) the left unit's cutout will require an additional 1/8" (3 mm) to the width to allow installation of the Heating Mat/Merge Kit.



K 2901 Vi (Right Hinged)
Item 36290101USA

K 2911 Vi (Left Hinged)
Item 36291101USA



F 2901 Vi (Right Hinged)
Item 37290101USA

F 2911 Vi (Left Hinged)
Item 37291101USA



KF 2901 Vi (Right Hinged)
Item 38290101USA

KF 2911 Vi (Left Hinged)
Item 38291101USA

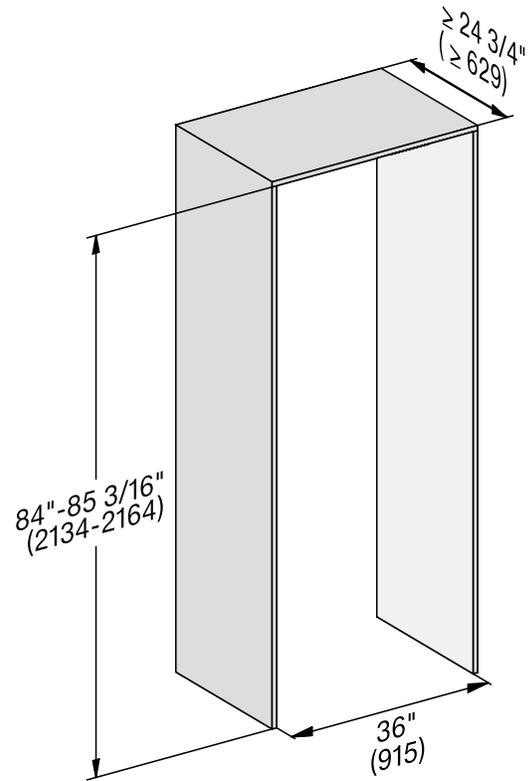


KF 2981 Vi (French Door)
Item 38298101USA

Fully Integrated 36" MasterCool

CUTOUT DIMENSIONS

- Niche depth assumes a 3/4" (19 mm) panel, please adjust according to custom panel thickness

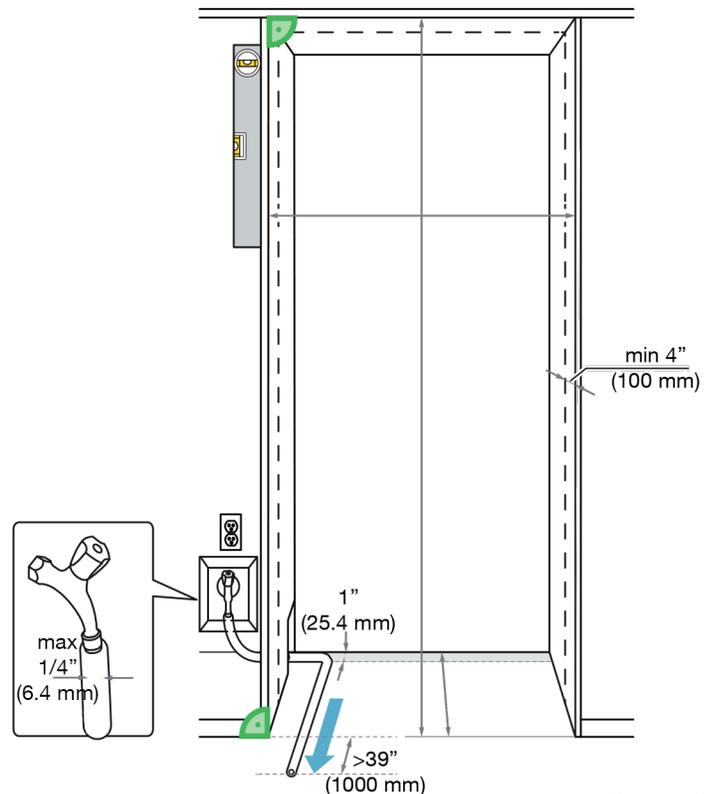


CUTOUT DETAILS

- The electrical connection must not be positioned higher than 9" (228.6 mm) above the floor.
- The 1/4" (6.4 mm) plumbed water connection should not be positioned higher than 2" (50.8 mm) above the floor.

Notes:

In case of an emergency the electrical outlet must be easily accessible and must not be concealed behind the appliance.

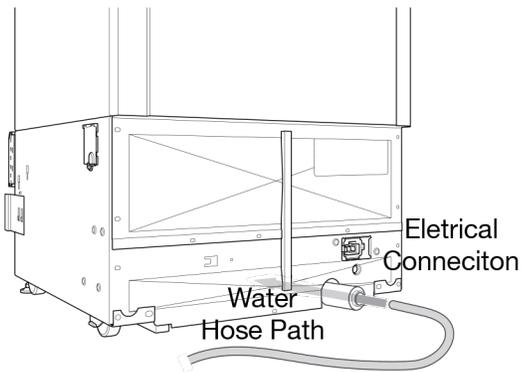


Fully Integrated 36" MasterCool

POWER SUPPLY AND WATER CONNECTION

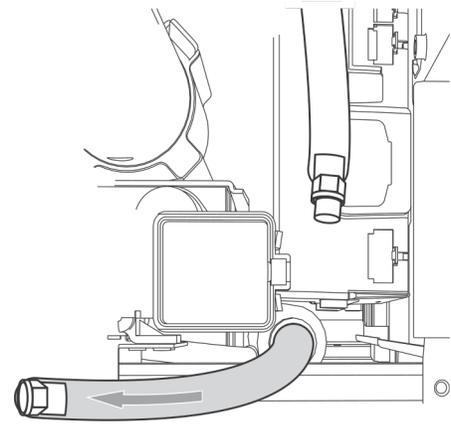
(Water Connection For F 29x1 Vi & KF 29x1 Vi Only)

Rear View



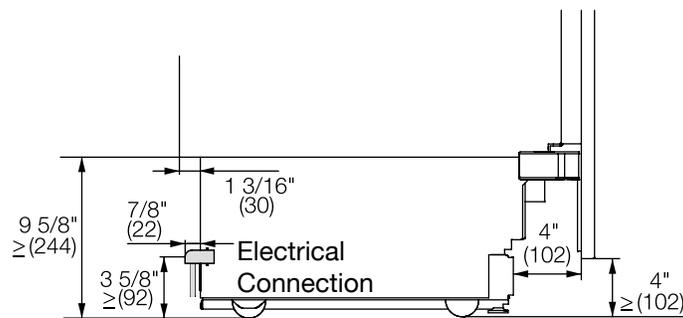
Electrical - 5 foot (1.52 m) - 120 Volt - 15 Amp
 - NEMA 5-15 molded plug
 Water line - 1/4" flexible water line - not included

Front View



Water connection is located in front of unit.
 1/4" compression fitting is needed.

Side View

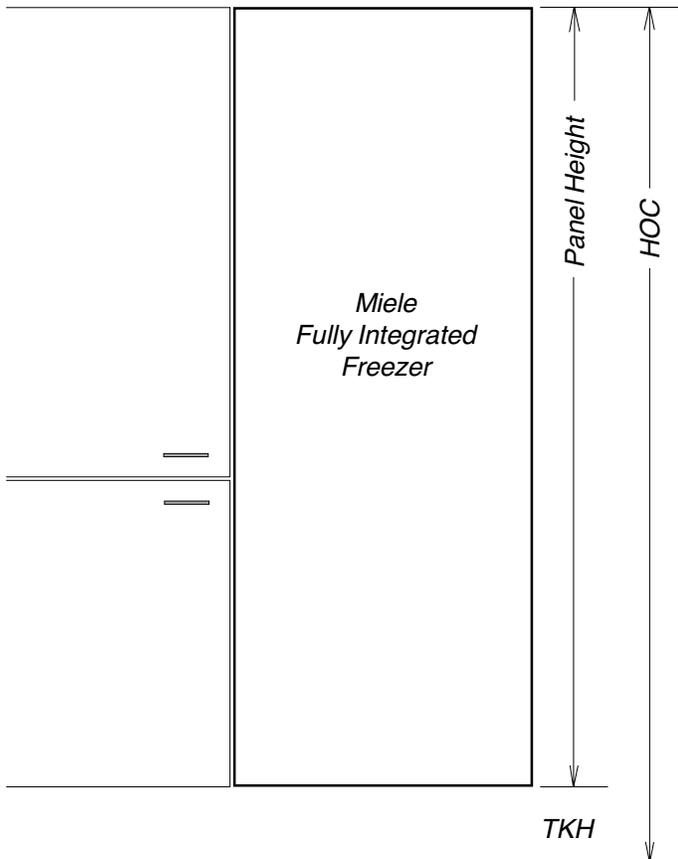


Fully Integrated
36" MasterCool | K 29x1 Vi & F 29x1 Vi

CUSTOM PANEL INSTALLATIONS

These units do not come equipped with a front panel. They are designed to accept a custom door panel supplied by the cabinet maker. Miele has a unique panel integration system which allows the panels to align with the surrounding cabinets.

Panel size is determined in the following manner:



Width: Minimum 35 3/4" (908 mm)

Thickness: Minimum 3/4" (19 mm) outside frame

Height: Determined using the following calculation:

$$\text{Panel Height} = \text{HOC} - \text{TKH}$$

HOC = Total height of cabinet or side panel

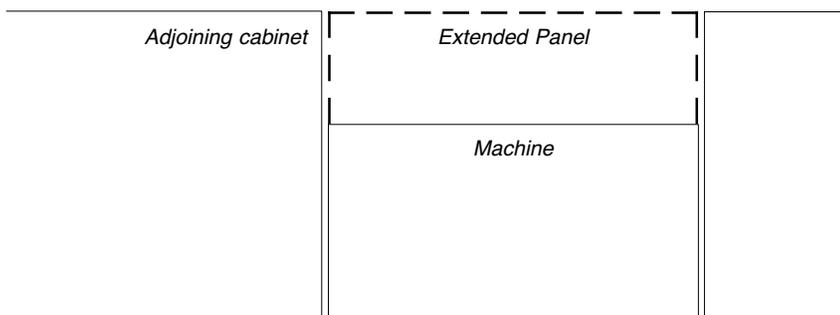
TKH = Toe-kick height

Note: Finish back side of panels to insure appearance
Panel may extend above unit. This is **not** considered in height calculation

Maximum panel weight: 106 Pounds

Panel Notes

If the adjoining cabinets are taller than the height of machine (HOM) - the front panel may be extended accordingly. Simply maintain the toekick height and extend the panel the needed distance.

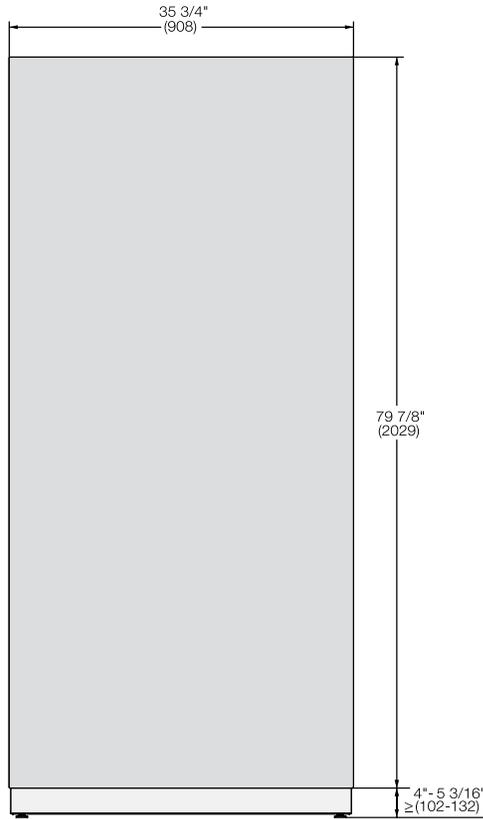


Fully Integrated 36" MasterCool | K 29x1 Vi & F 29x1 Vi

DOOR PANEL DIMENSIONS KFP 3604 - Door Panel

Available as an accessory
for the following models:

- K 29x1 Vi
- F 29x1 Vi

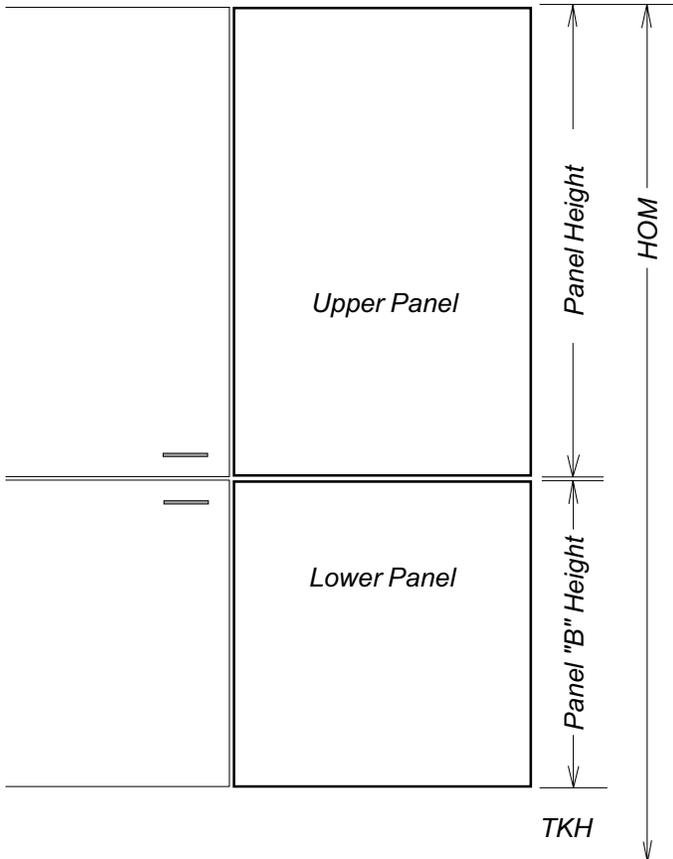


Fully Integrated
36" MasterCool | KF 2901 Vi / KF 2911 Vi

CUSTOM PANEL INSTALLATIONS

These units do not come equipped with a front panel. They are designed to accept a custom door panel supplied by the cabinet maker. Miele has a unique panel integration system which allows the panels to align with the surrounding cabinets.

Panel size is determined in the following manner:



Width: Minimum 35 3/4" (756 mm)
Thickness: Minimum 3/4" (19 mm) outside frame

Standard Upper Panel Height: 51 3/8" (1304 mm)

Note: Finish back side of panels to insure appearance
Panel may extend above unit. This is **not** considered in height calculation

Upper Maximum panel weight: 104 lbs

Lower Panel Height: Use the following calculation:

Panel Height = HOM - 51 1/2" (1307 mm) - TKH

HOM = Total height of machine. Can be adjusted to match adjoining cabinets - typically 84" (2133 mm).

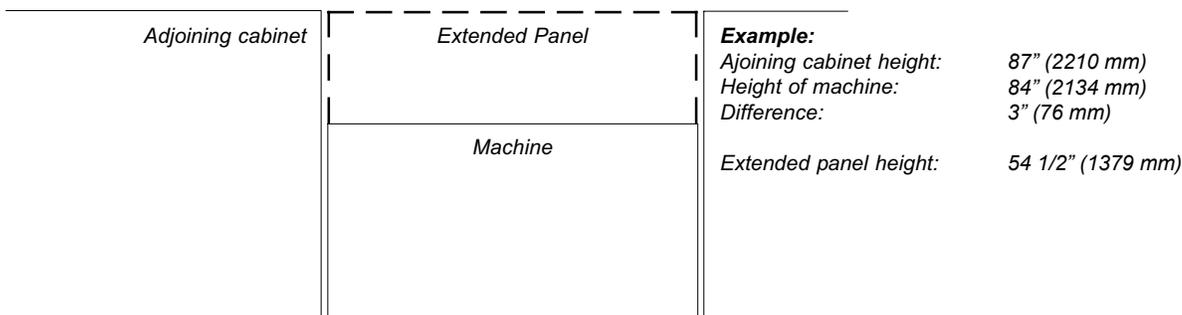
HOM is adjustable between 84" -85 3/16" (2134 mm - 2164 mm)

TKH = Toe-kick height 2" - 8 3/8" (51 - 212 mm)

Lower Maximum panel weight: 22 lbs

Upper Panel Notes

If the adjoining cabinets are taller than the height of machine (HOM) - the upper panel may be extended accordingly. Find the difference between height of the adjoining cabinets and the height of machine (HOM) and add to 53 5/16"



Fully Integrated 36" MasterCool | KF 2901 Vi / KF 2911 Vi

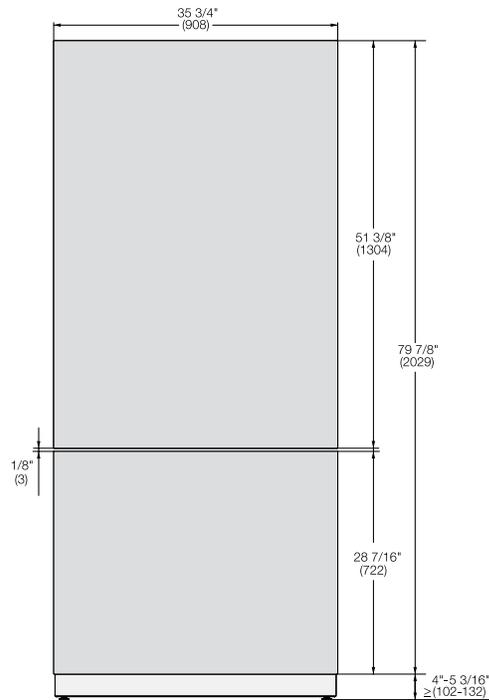
DOOR PANEL DIMENSIONS

KFP 3614 - Top Panel

KFP 3624 - Bottom Panel

Available as an accessory
for the following models:

- KF 2901 Vi / KF 2911 Vi

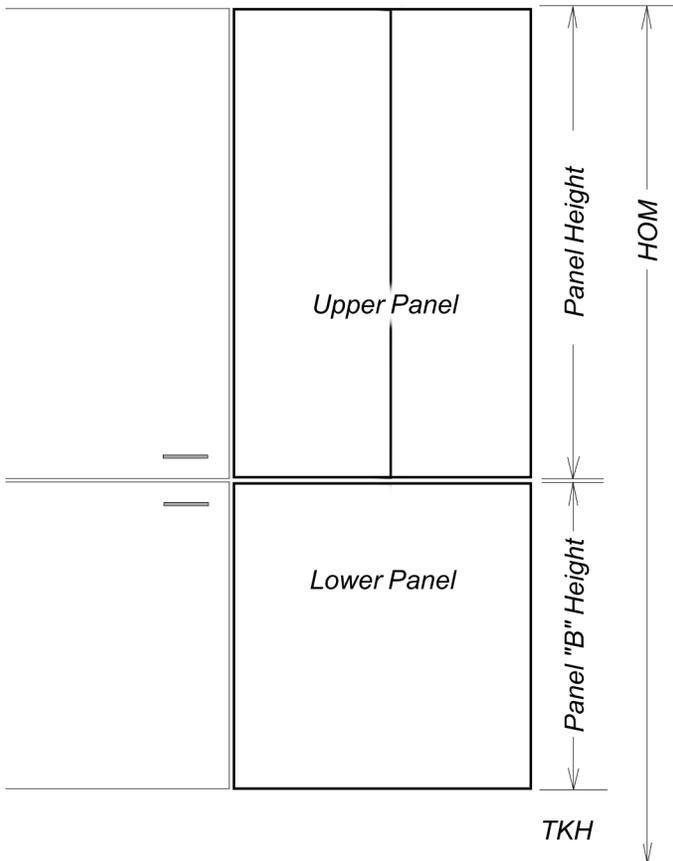


Fully Integrated 36" MasterCool | KF 2981 Vi

CUSTOM PANEL INSTALLATIONS

These units do not come equipped with a front panel. They are designed to accept a custom door panel supplied by the cabinet maker. Miele has a unique panel integration system which allows the panels to align with the surrounding cabinets.

Panel size is determined in the following manner:



Refrigerator

Panel Width: Minimum 17 13/16" (452.5 mm)

Freezer

Panel Width: Minimum 35 3/4" (756 mm)

Thickness: Minimum 3/4" (19 mm) outside frame

Standard Upper Panel Height: 51 3/8" (1304 mm)

Note: Finish back side of panels to insure appearance
Panel may extend above unit. This is **not** considered in height calculation

Upper Maximum panel weight: 104 lbs

Lower Panel Height: Use the following calculation:

Panel Height = HOM - 51 1/2" (1307 mm) - TKH

HOM = Total height of machine. Can be adjusted to match adjoining cabinets - typically 84" (2133 mm).

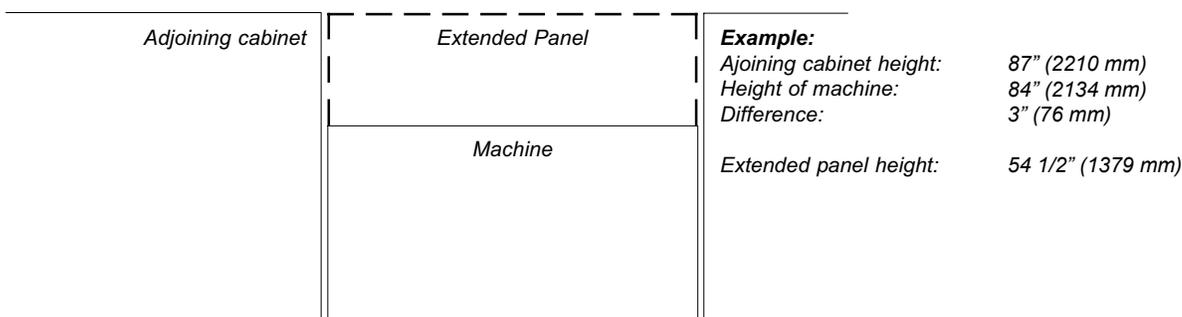
HOM is adjustable between 84" -85 3/16" (2134 mm - 2164 mm)

TKH = Toe-kick height 2" - 8 3/8" (51 - 212 mm)

Lower Maximum panel weight: 22 lbs

Upper Panel Notes

If the adjoining cabinets are taller than the height of machine (HOM) - the upper panel may be extended accordingly. Find the difference between height of the adjoining cabinets and the height of machine (HOM) and add to 53 5/16"



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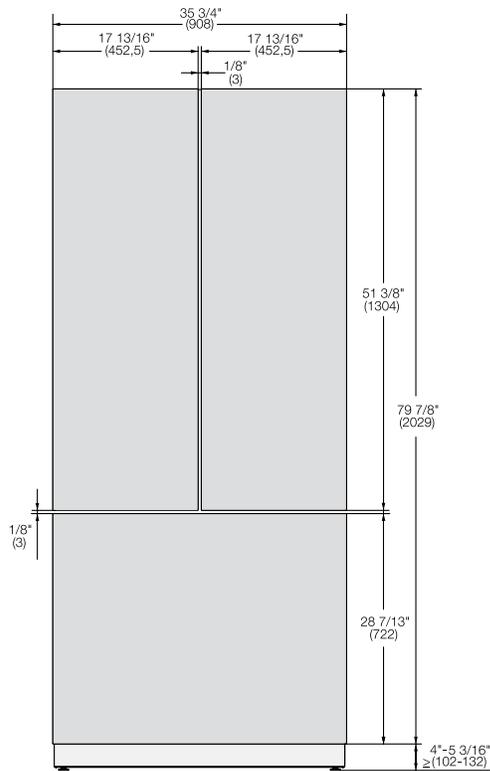
DOOR PANEL DIMENSIONS

KFP 3634 - Top Panels

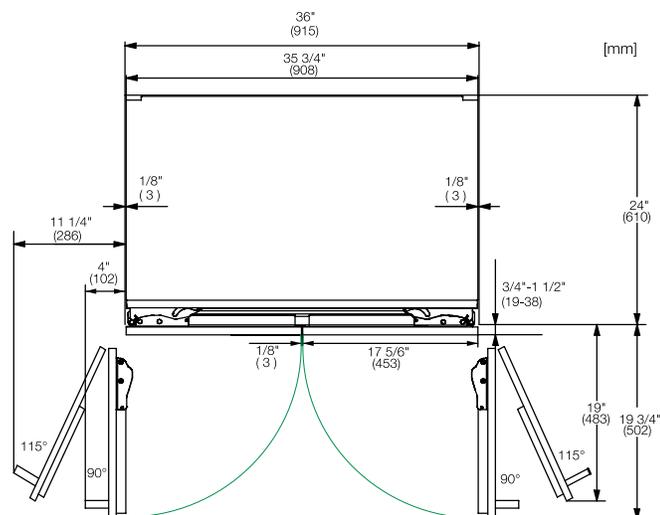
KFP 3624 - Bottom Panel

Available as an accessory
for the following models:

- KF 2981 Vi



HINGING DETAILS

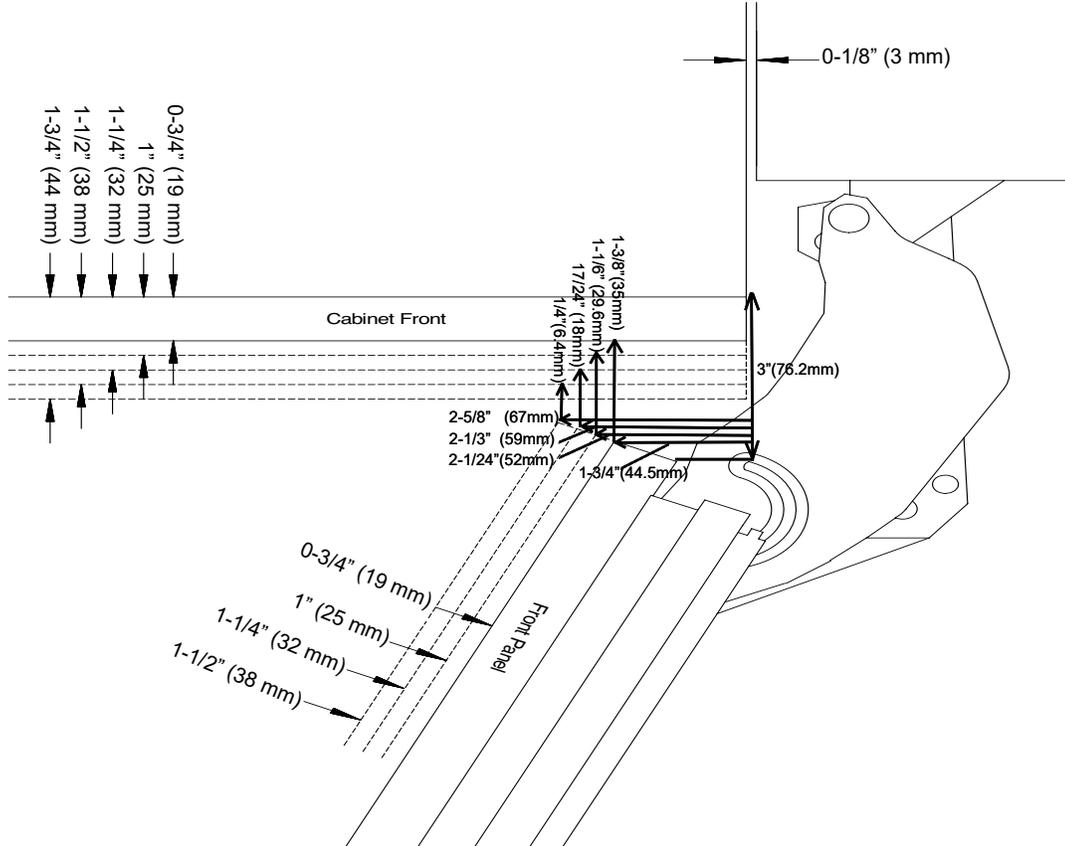


Fully Integrated 36" MasterCool

HINGING DETAILS 115° OPENING

Available for the following models:

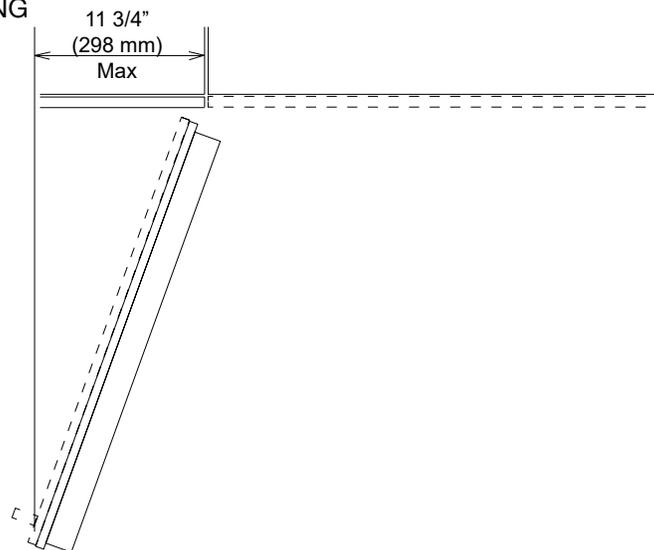
- K 29x1 Vi
- F 29x1 Vi
- KF 29x1 Vi



DOOR SWING AT 115° OPENING

Available for the following models:

- K 29x1 Vi
- F 29x1 Vi
- KF 2901 Vi / KF 2911 Vi



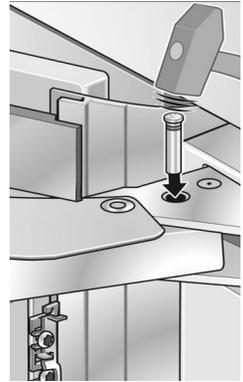
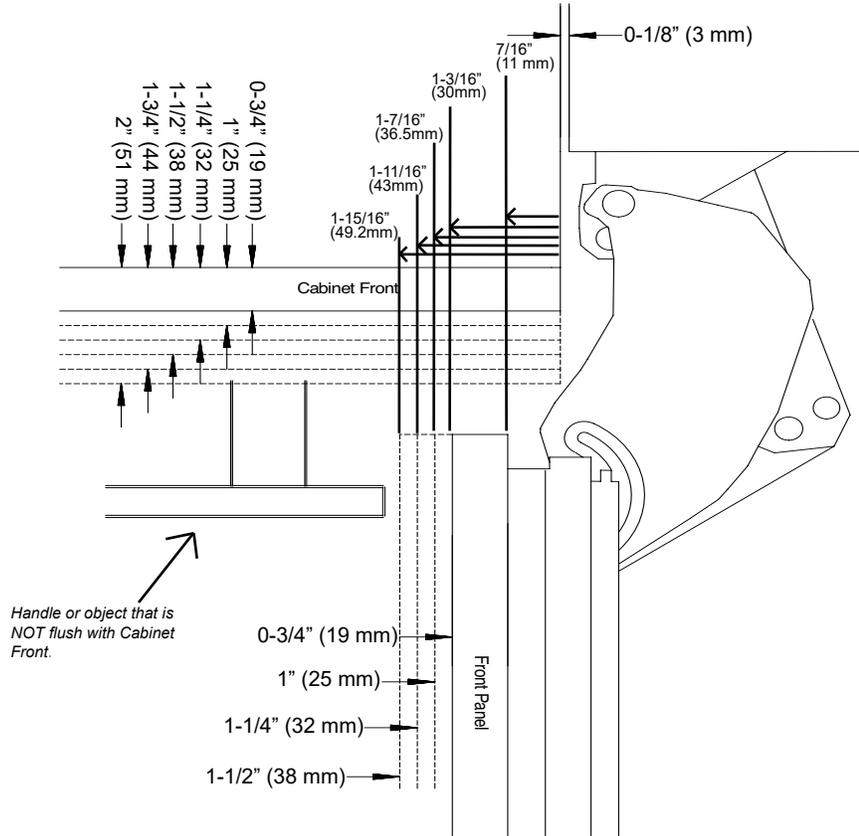
NOTE: Additional space needed depending on thickness of front panels and handle used

Fully Integrated 36" MasterCool

HINGING DETAILS 90° OPENING

Available for the following models:

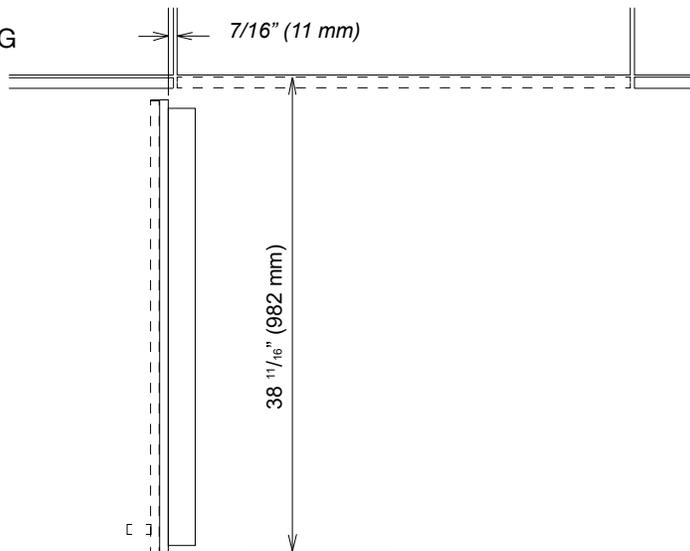
- K 29x1 Vi
- KF 29x1 Vi



DOOR SWING AT 90° OPENING

Available for the following models:

- K 29x1 Vi
- KF 2901 Vi / KF 2911 Vi



NOTE: Additional space needed depending on thickness of front panels and handle used

When installing hinge side next to an appliance or object that is within range of the door panel, limit the door opening angle to 90°. This is done by installing the banking pin as illustrated. Insert the banking pin through the holes and drive in with a hammer.

Freezer units cannot be stop pinned at 90°