

## Dimension Express Booklet

Prepared on: 3/10/2014

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**Job Info:**

Job Name: Stile-Dawson

Model No	Type	Manufacturer	Doc Type	Page
SHP65T55UC	DSH	Bosch	Mfr Guide	2
SHP65T55UC	DSH	Bosch	Condensed	4
BI30U/O	REF	Sub-Zero	Mfr Guide	9
BI30U/O	REF	Sub-Zero	Condensed	10
BI30U/O	REF	Sub-Zero	Support Doc	37
CTWH30	HOD	Wolf	Mfr Guide	131
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# 24" Flush Handle Dishwasher

## 500 Series- Stainless steel

### SHP65T55UC



#### Features and Benefits

##### Key Features

- 44 dBA- Quietest Brand
- 3rd Rack for Additional Loading Capacity
- InfoLight® Beams on Floor to Indicate Dishwasher is Running
- RackMatic® on Upper Rack - 3 Height Adjustments and Up to 9 Possible Rack Positions
- AquaStop® Leak Protection Works 24/7

##### Design

- Full Size Stainless Steel Tall Tub Installs Perfectly Flush
- 3rd Rack for Additional Loading Capacity
- 16 Place Setting Capacity
- LED Remaining Time Display
- RackMatic® on Upper Rack - 3 Height Adjustments and Up to 9 Possible Rack Positions

##### Performance

- 44 dBA- Quietest Brand
- 5 Programs and 5 Options
- Detergent Tray Optimizes Detergent Dissolving
- Load Size Sensor Automates Wash Temperature
- Sanitize Option Eliminates Bacteria and Enhances Drying Results
- ExtraShine™ Option Enhances Shine and Drying Results of your Dishes

##### Efficiency

- 259 kwh/yr - Energy Star®
- Half Load Option for Small Loads

##### Convenience

- InfoLight® Beams on Floor to Indicate Dishwasher is Running
- 24 h Delay Start Timer



Notes: All height, width and depth dimensions are shown in inches. \*Please refer to installation instructions prior to making cutout. BSH reserves the absolute and unrestricted right to change product materials and specifications, at any time, without notice. Consult the product's installation instructions for final dimensional data and other details. Applicable product warranty can be found in a accompanying product literature or you may contact your account manager for further details.

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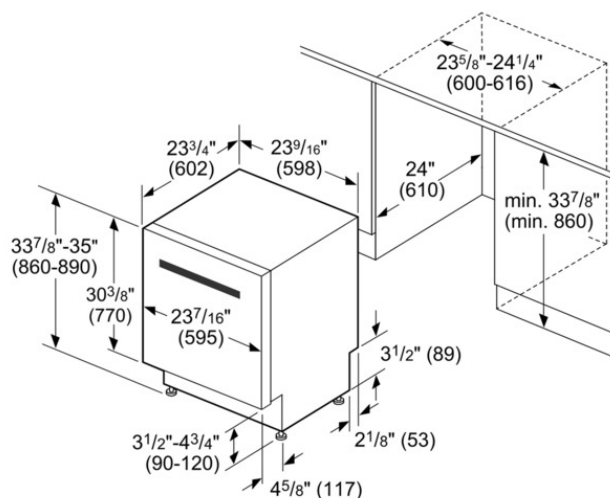
Litho Date: 12/2013



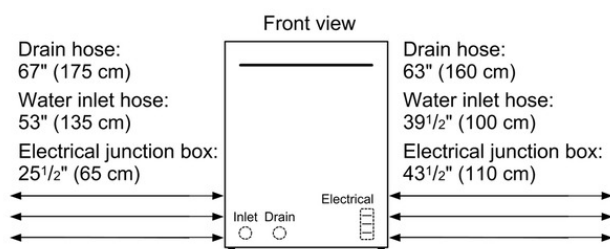
# 24" Flush Handle Dishwasher

## 500 Series- Stainless steel

### SHP65T55UC



measurements in inches (mm)



All connections are at the rear of the appliance.  
Extension for drain hose available as accessory.  
Power cord for connection to electrical outlet (3-prong plug) available as accessory.

#### Features

Watts (W)	1300
Current (A)	12
Volts (V)	120
Frequency (Hz)	60
Power Cord Length	43 1/2"
Minimum Water Pressure (lb/sin)	14.0
Length inlet hose (in)	53"
Length outlet hose (in)	67 "
Overall appliance dimensions (HxWxD) (in)	33 7/8 " x 23 9/16 " x 23 3/4 "
Required cutout size (HxWxD) (in)	33 7/8 " x 23 5/8 " x 24 "
Adjustable feet	Yes

#### Technical Specification

Number of wash cycles	5
Number of options	5
Third Rack	3rd Rack 1.0
Tub material	Stainless steel
Concealed heating element	Yes
Leak protection system	
Five-level wash	Yes
Water softener	No
ChildLock	No
Total annual energy consumption (kWh)	259
Energy Efficiency Class	Tier 1
Energy Star® qualified	Yes
Total annual energy consumption (kWh)	623.5
Total annual water consumption (g)	624
Number of place settings	15

Notes: All height, width and depth dimensions are shown in inches. \*Please refer to installation instructions prior to making cutout. BSH reserves the absolute and unrestricted right to change product materials and specifications, at any time, without notice. Consult the product's installation instructions for final dimensional data and other details. Applicable product warranty can be found in a accompanying product literature or you may contact your account manager for further details.

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## Enclosure Requirements

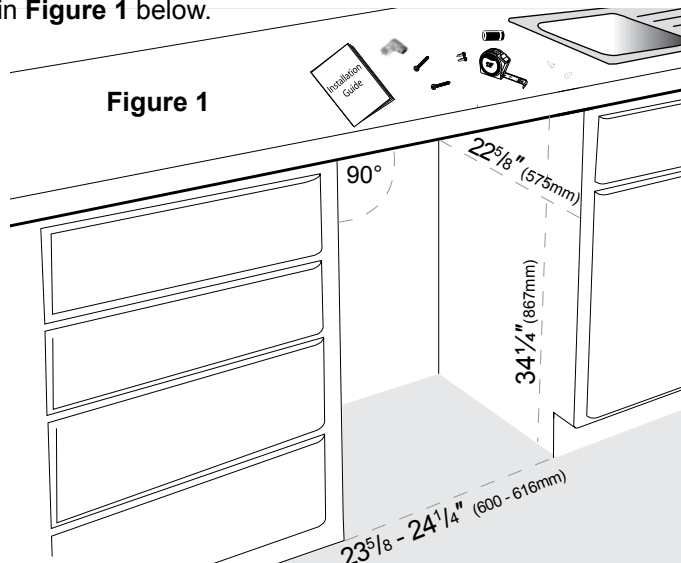
### ⚠ WARNING

**Avoid Scalding or Electrical Shock Hazard!**  
Make sure the water supply and electrical supply are shut off before installation or service.

**NOTE:** This dishwasher is designed to be enclosed on the top and both sides by standard residential kitchen cabinetry.

Select a location as close to the sink as possible for easy access to water supply and drain lines.

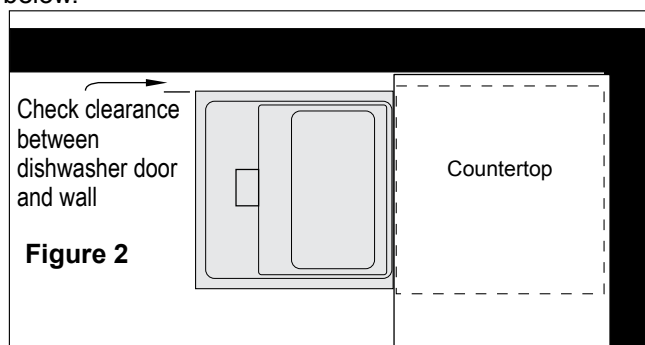
For proper dishwasher operation and appearance, ensure that the enclosure is square and has the dimensions shown in **Figure 1** below.



**NOTE:** If your dishwasher opening width measures  $>23\frac{5}{8}$ " (600mm) use the **TOP or SIDE MOUNT** mounting methods.

If your dishwasher opening width measures  $23\frac{5}{8}$ " (600mm) use the **ALTERNATE SIDE MOUNT** mounting method.

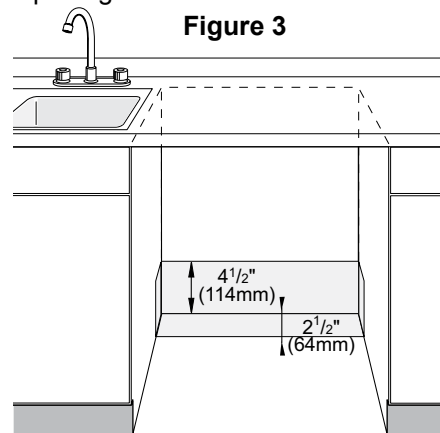
If the dishwasher is to be installed in a corner, make sure that there is adequate clearance to open the door. See **Figure 2** below.



### ⚠ WARNING

**Avoid Electrical Shock/Fire Hazard**  
Do not allow the electrical and water supply lines to touch.

After locating the proper place for your new dishwasher, you will need to create any required openings to allow for passage of the water, drain and electrical line. In order to avoid interference with the dishwasher when sliding it into the cabinet, place your openings within the dimensions shown in **Figure 3** below.



#### Required Openings:

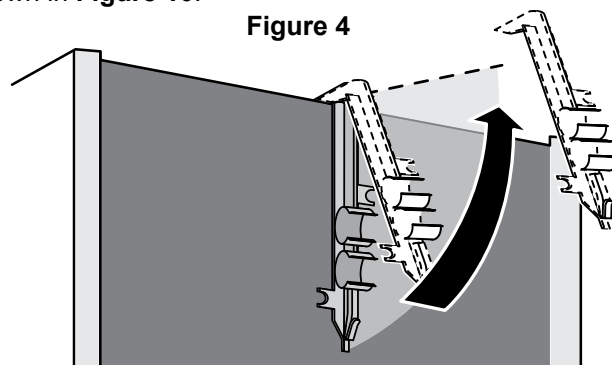
$4\frac{3}{4}$ " x  $2\frac{3}{8}$ " (120 x 60mm) - To pass the included electrical supply junction box through to adjacent cabinet.

**Note:** If the incoming electric supply, water supply and drain connections are all in the same cabinet, the one  $4\frac{3}{4}$ " x  $2\frac{3}{8}$ " (120 x 60mm) hole will be large enough for all three to pass through.

4" x 2" (100 x 50mm) - To pass the included water supply line toward the water supply

$1\frac{1}{4}$ " (32mm) diameter - To pass the dishwasher drain hose toward the drain connection

Before sliding the dishwasher into the cabinet, remove the hose clip at the back of the dishwasher as shown in **Figure 4**. The hose clip may be used later to hold the drain hose as shown in **Figure 10**.



In select models, remove the rubber apron on top of the dishwasher and set aside for later use. See **Figure 5**.

**Figure 5**



## Electrical Preparation

### Electrical Preparation

#### ⚠ WARNING

##### Avoid Electrical Shock Hazard

Do not work on an energized circuit. Doing so could result in serious injury or death. Only qualified electricians should perform electrical work. Do not attempt any work on the dishwasher electric supply circuit until you are certain the circuit is de-energized.

#### ⚠ WARNING

##### Avoid Fire Hazard

Make sure electrical work is properly installed. Only qualified electricians should perform electrical work.

### Electrical Supply

The customer has the responsibility of ensuring that the dishwasher electrical installation is in compliance with all national and local electrical codes and ordinances. The dishwasher is designed for an electrical supply of 120V, 60 Hz, AC, connected to a dishwasher-dedicated, properly grounded electrical circuit with a fuse or breaker rated for 15 amps. Electrical supply conductors shall be a minimum #14 AWG copper wire rated at 75°C (167°F) or higher.

#### ⚠ WARNING

##### Avoid Fire Hazard

Make sure there are no loose electrical connections. Make sure all electrical connections are properly made.

### Grounding Instructions

The dishwasher must be properly grounded before operating. This appliance must be connected to a grounded metal permanent wiring system, or an equipment grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the dishwasher. Make sure that the dishwasher is connected to a suitable ground in compliance with all local codes or, in the absence of a local code, with the NATIONAL ELECTRICAL CODE in the United States or the CANADIAN ELECTRIC CODE C22.1-latest edition in Canada as well as any provincial/state or municipal or local codes that apply.

### Dishwasher Electrical Rating

Volts	Hertz	Amperes	Watts
120	60	12	1,300 (max)

### Electrical Connection

The dishwasher electrical supply junction box (P) and dedicated receptacle must be mounted in an accessible cabinet adjacent to the dishwasher (do not mount the junction box or receptacle behind the dishwasher). You will need a 4<sup>3/4</sup>" x 2<sup>3/8</sup>" (120 x 60mm) opening through the cabinet in order to pass the junction box through (see **Figure 6**). If the opening is made through wood, sand it smooth. If the opening is made through metal, use the included protective grommet (I) or other approved method to protect wiring from damage. Use the four screws included (or appropriate fastener) in the parts bag to securely mount the junction box so that it can be easily accessed (see **Figure 6**). The electrical supply can be connected in two ways:

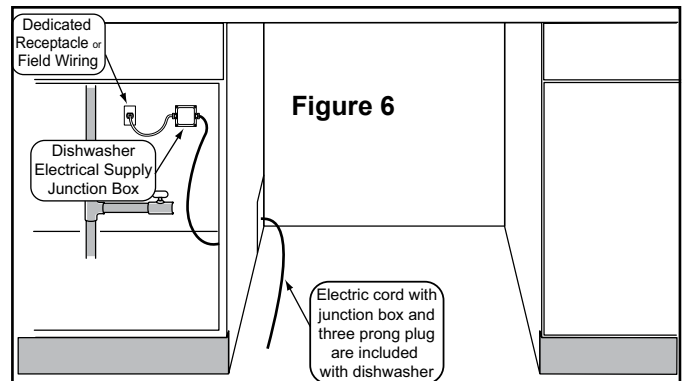
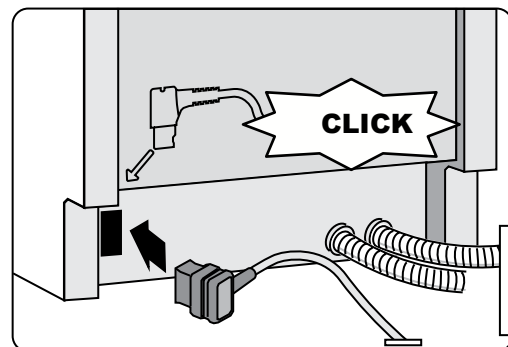
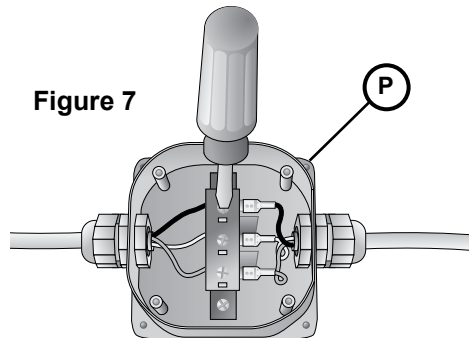


Figure 7

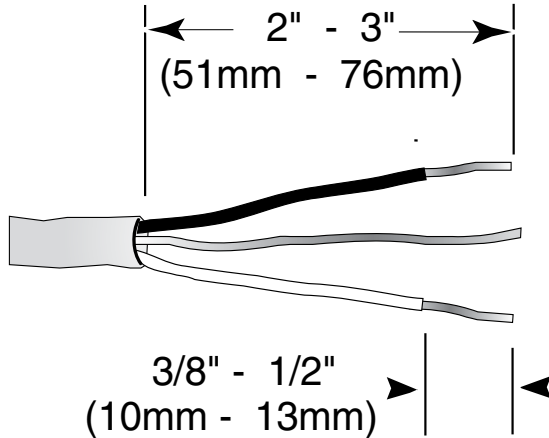


#### Method A - Three prong plug and receptacle

Use the included three-prong plug and junction box to connect to a dedicated household receptacle. Make sure the household receptacle meets the electrical supply requirements as well as national and local codes.

### Method B - To permanently connect to household or field wiring:

1. Remove the dishwasher electrical supply junction box cover and connect to the power supply cord from the house installation. See **Figure 7**.
2. Remove 2" to 3" (51 - 76mm) of the outer casing of the household or field supply wiring as shown in **Figure 8**. Remove  $\frac{3}{8}$ " to  $\frac{1}{2}$ " (10 - 13mm) of the insulation from each wire as shown in **Figure 8**.



**Figure 8**

3. Insert the bare copper or green wire(ground) to the "G" ground connection "⏏" of the terminal block and securely tighten the terminal block screw (see **Figure 7**).
4. Insert the white (neutral) wire to the "N" connection of the terminal block and securely tighten the terminal block screw.
5. Insert the black(hot) wire to the "L" connection of the terminal block and securely tighten the terminal block screw.
6. Check all electrical connections to make sure they are secure and then attach the junction box cover with the 4 screws.

### ⚠ WARNING

#### Avoid Electrical Shock Hazard

To avoid possible injury or property damage, care should be exercised when the dishwasher is installed or removed to reduce the likelihood of damage to the power cord.

## Inlet Water Connections

### Hot Water Supply

The hot water heater should be set to deliver approximately 120° F (49° C) water to the dishwasher. Water that is too hot can cause some detergents to lose effectiveness. Lower water temperatures will increase run times. The hot water supply pressure must be between 15 - 145 psi (1 - 10 bar).

#### IMPORTANT NOTES:

- If using a solder joint instead of a compression fitting, be sure to make all solder connections before connecting the water supply line to the dishwasher.
- Make sure there are no sharp bends or kinks in the water line that might restrict water flow.
- Always use the appropriate seal when making plumbing connections.
- Before connecting the water supply line to the dishwasher, flush the incoming water line for approximately 5 minutes to clear any foreign material.
- Turn on the water supply and check for leaks after connections are made.

### ⚠ WARNING

#### Avoid Scald Hazard

Do not perform any work on a charged hot water line. Serious injury could result. Only qualified plumbers should perform plumbing work. Do not attempt any work on the dishwasher hot water supply plumbing until you are certain the hot water supply is shut off.

### CAUTION

Temperatures required for soldering and sweating will damage the dishwasher. If plumbing lines are to be soldered or sweated, keep the heat source at least 6 inches (152.4 mm) away from the dishwasher.

### Water Supply Shut Off Valve

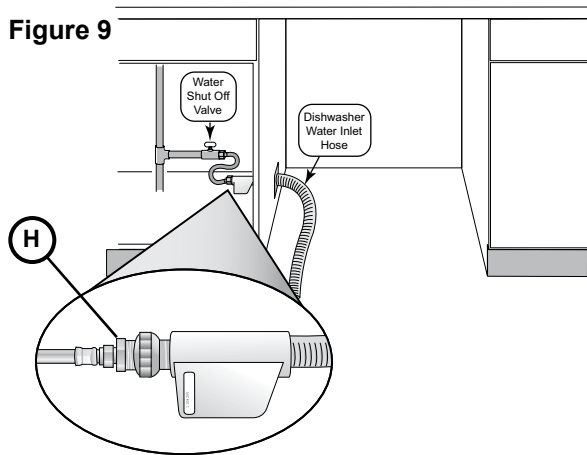
Install an easily accessible shut-off valve (not supplied) in the hot water supply line, as shown in **Figure 9**. All solder connections must be made before the water line is connected to the dishwasher.



## Connecting the Hot Water Supply

There are two plastic corrugated hoses that exit the back of the dishwasher. The larger hose, with the brass fitting on the end, is the water supply hose to the dishwasher (the other hose is the dishwasher drain hose). You will need a 3" x 1<sup>3</sup>/<sub>4</sub>" (76 x 45mm) opening through the cabinet to pass the dishwasher water supply line through toward the shut off valve.

**Figure 9**



### To connect the hot water supply:

1. Assemble the water supply adaptor fitting (H) from the parts bag onto the dishwasher water supply hose. This connection does not require Teflon brand tape.
2. Pass the dishwasher water supply line with attached adaptor through the opening toward the water shut off valve. Take care not to allow the hose to kink or twist behind the dishwasher.
3. Connect the dishwasher water supply line with adaptor to the water shut off valve. You will need to use an approved dishwasher water supply line with the correct fittings for this connection. Always use the appropriate seal when making plumbing connections.  
*NOTE: The end of the dishwasher water inlet hose is heavy and will need to be supported. It is best to lay the end on the cabinet floor as shown in **Figure 9**.*
4. After all connections are made, turn on the hot water and check for leaks.

## Drain Connections

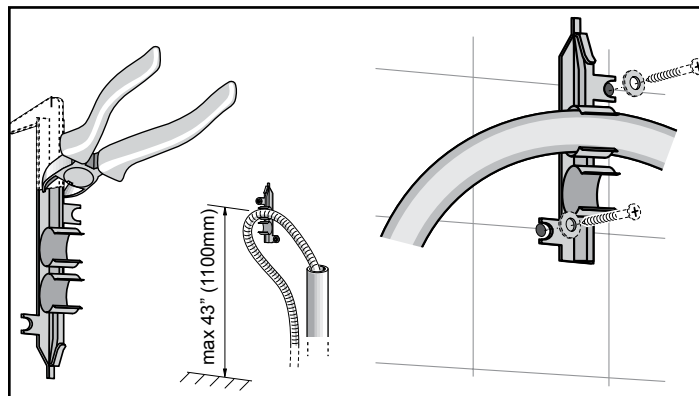
The dishwasher drain hose may be connected to the household or field drain plumbing in one of four ways. You will need a 1<sup>1</sup>/<sub>4</sub>" diameter hole in order to pass the drain hose through the cabinet.

1. Directly under the sink dishwasher drain connection, as shown in **Figure 11**.
2. Directly to a disposer dishwasher drain connection, as shown in **Figure 12**.
3. To the under sink dishwasher drain connection through an air gap, as shown in **Figure 13**.
4. To a disposer dishwasher drain connection through an air gap, as shown on **Figure 14**.

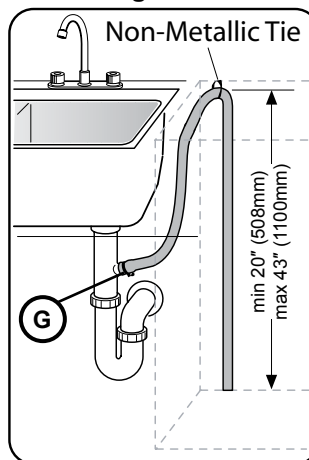
## IMPORTANT NOTES:

- If local ordinance require an air gap, install it according to the manufacturer's instructions.
- If the dishwasher drain hose is to be connected to a disposer dishwasher drain connection, remove the plug from the disposer's dishwasher drain connection.
- The dishwasher drain hose must have one place along its length that is securely attached 20" (508mm) above the cabinet floor.
- The drain hose length can be extended if necessary. The maximum length of the drain hose, including the hose leading to the air gap, is 150" (3800mm).

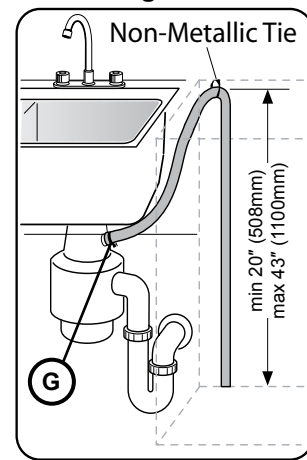
**Figure 10**



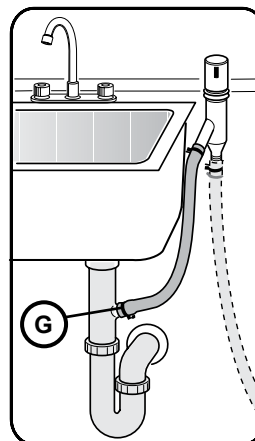
**Figure 11**



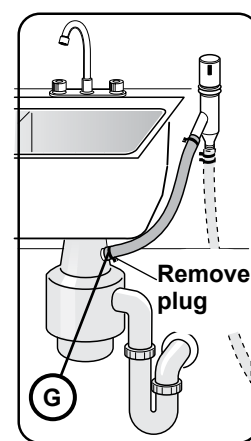
**Figure 12**



**Figure 13**



**Figure 14**



## Installation of Rubber Drain Hose Adaptor

For a large port, use the drain hose as it is.

1. For a small port, insert the rubber drain hose adaptor into the drain hose end.
2. Obtain the Rubber Drain Hose Adaptor (J) spring clamp from the Dishwasher Installation Kit (**do not substitute**).
3. Insert the dishwasher drain hose into the **end of the drain hose** (see **Figure 15**). Be sure to fully insert the drain hose.
4. Use the clamp provided to attach the Rubber Drain Hose Adaptor to the house plumbing as shown in **Figure 16**.

Figure 15

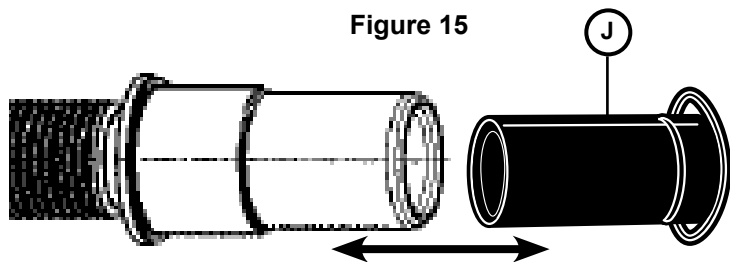
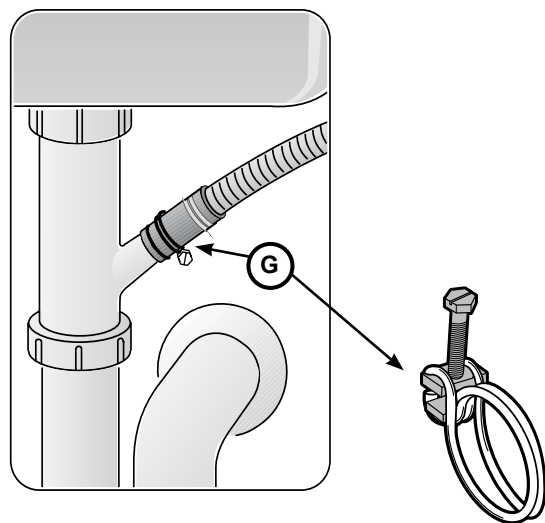


Figure 16



## Installation of Mounting Brackets

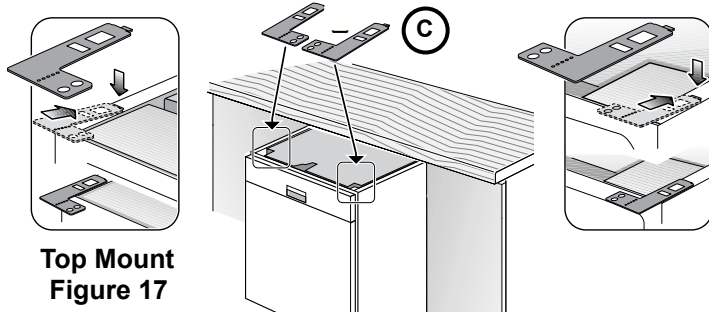
### CAUTION

Before installing the supplied countertop mounting brackets, decide which method of securing the dishwasher into its enclosure will be used. Once the mounting brackets are installed on the dishwasher, removing them is difficult and will damage the mounting brackets and the dishwasher.

The dishwasher can be secured into its enclosure in 3 ways:

**NOTE:** If your dishwasher opening width measures  $>23\frac{5}{8}"$  (600mm) use the **TOP** or **SIDE MOUNT** mounting methods. If your dishwasher opening width measures  $23\frac{5}{8}"$  (600mm) use the **ALTERNATE SIDE MOUNT** mounting method.

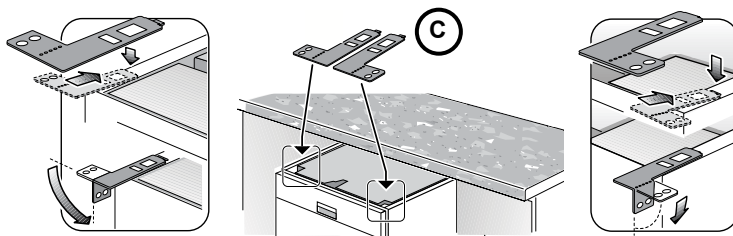
**Top Mount** is used for countertops made of wood or other materials that can be easily drilled. Orient the mounting brackets as shown in **Figure 17**, and position the two small tabs on the mounting brackets over the two slots on the dishwasher's front corners. Push the mounting brackets down firmly to insert the tabs into the slots.



Top Mount  
Figure 17

**Side Mount** is used for countertops made of marble, granite, or other very hard materials that cannot be easily drilled. Bend the mounting brackets along the small holes and in the same direction as the two small tabs. Orient the mounting brackets as shown in **Figure 18**, and position the two small tabs on the mounting brackets over the two slots on the dishwasher's front corners. Push the mounting brackets down firmly to insert the tabs into the slots.

Side Mount  
Figure 18



**Alternate Side Mount** for opening  $23\frac{5}{8}"$  (600mm). Insert a side mount force distributor (M) in each side as shown in **Figure 19**.

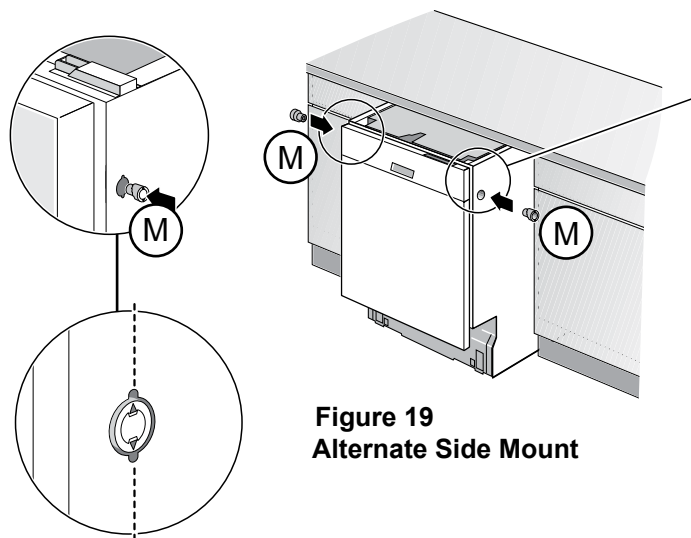


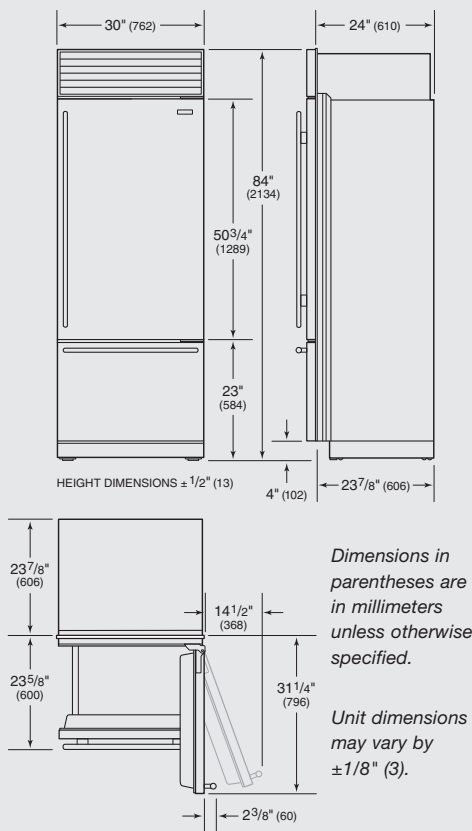
Figure 19  
Alternate Side Mount





# 30" Built-In Over-and-Under

## OVERALL DIMENSIONS



## Model Specifications

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### Specifications

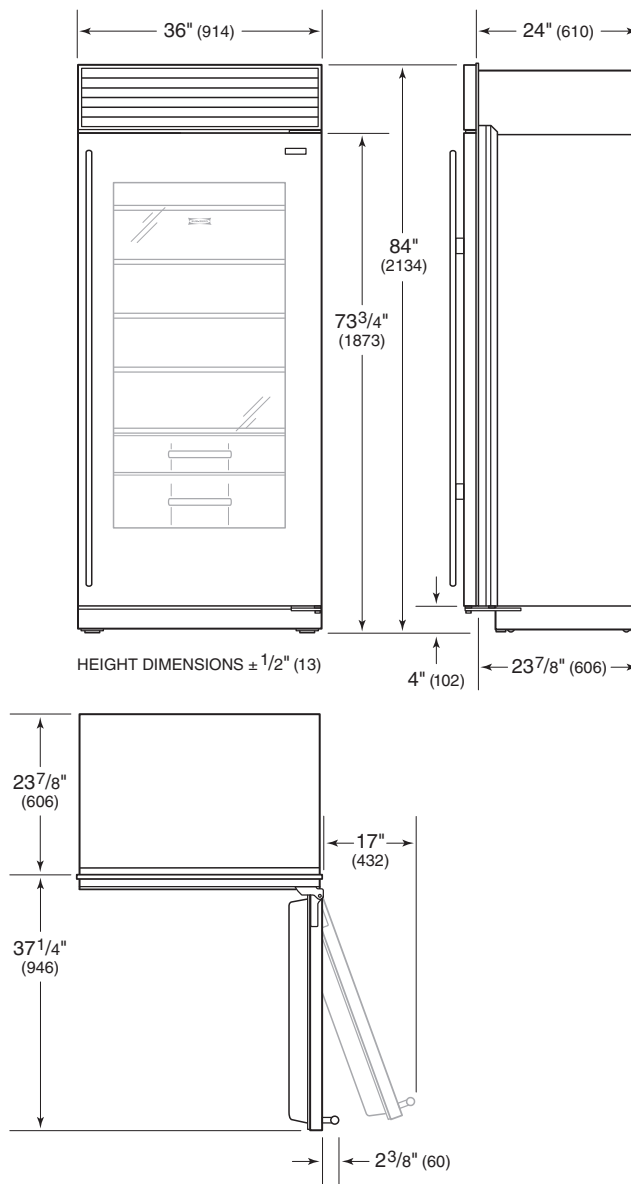
#### BUILT-IN MODELS

Interior Capacity	R cu ft (L)	F cu ft (L)
<b>ALL REFRIGERATOR / ALL FREEZER MODELS</b>		
BI-36R	23.5 (665)	
BI-36RG	23.4 (663)	
BI-36F		22.7 (643)
<b>OVER-AND-UNDER MODELS</b>		
BI-30U	13.2 (374)	4.2 (119)
BI-30UG	13.1 (371)	4.2 (119)
BI-36U	16.4 (464)	5.3 (150)
BI-36UG	16.3 (462)	5.3 (150)
BI-36UFD	15.7 (445)	5.3 (150)
<b>SIDE-BY-SIDE MODELS</b>		
BI-36S	12.4 (351)	8.2 (232)
BI-42S	16.3 (462)	8.0 (227)
BI-42SID	15.8 (447)	7.9 (224)
BI-42SD	16.0 (453)	7.9 (224)
BI-48S	19.1 (541)	9.8 (278)
BI-48SID	18.6 (527)	9.6 (272)
BI-48SD	18.8 (532)	9.6 (272)

Shipping Weight	lbs (kg)
<b>ALL REFRIGERATOR / ALL FREEZER MODELS</b>	
BI-36R	420 (191)
BI-36RG	430 (195)
BI-36F	406 (184)
<b>OVER-AND-UNDER MODELS</b>	
BI-30U	462 (210)
BI-30UG	476 (216)
BI-36U	515 (234)
BI-36UG	529 (240)
BI-36UFD	529 (240)
<b>SIDE-BY-SIDE MODELS</b>	
BI-36S	538 (244)
BI-42S	582 (264)
BI-42SID	608 (276)
BI-42SD	608 (276)
BI-48S	630 (286)
BI-48SID	656 (298)
BI-48SD	656 (298)

### Overall Dimensions

#### ALL REFRIGERATOR / ALL FREEZER MODELS



#### MODELS BI-36R, BI-36RG AND BI-36F

Shipping weights and overall dimensions are based on stainless steel models. For flush inset applications, add 1/2" (13) to door clearance dimensions.

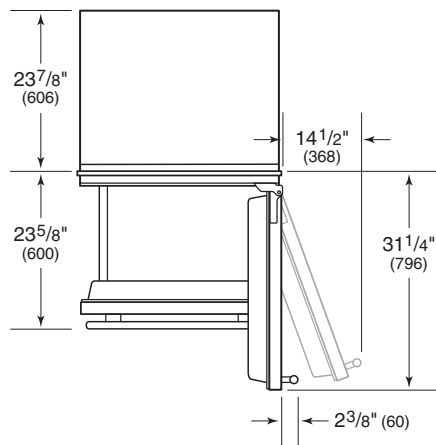
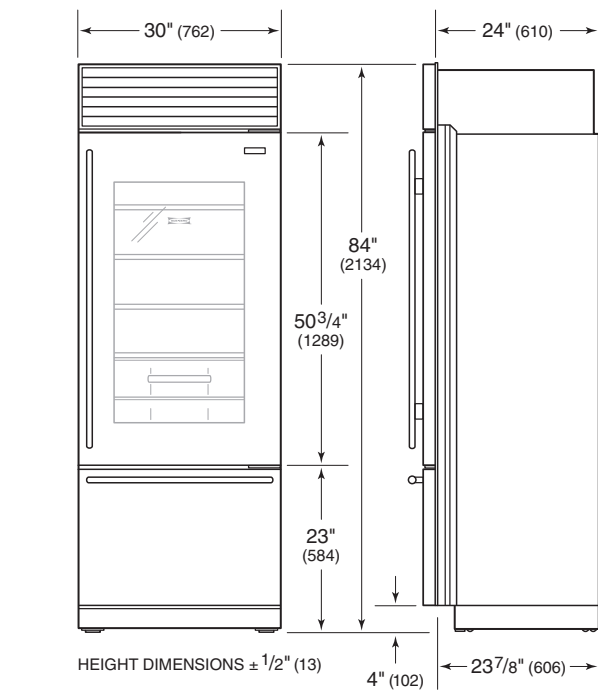
## Model Specifications

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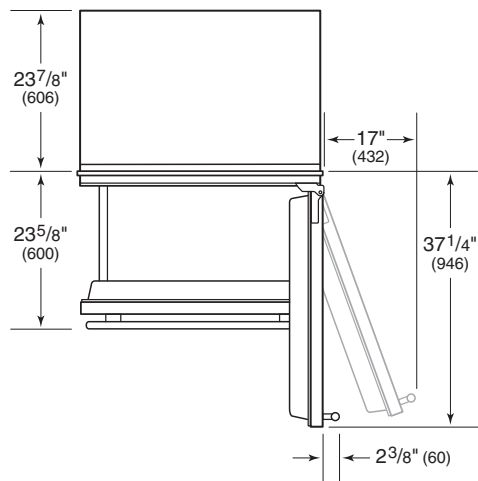
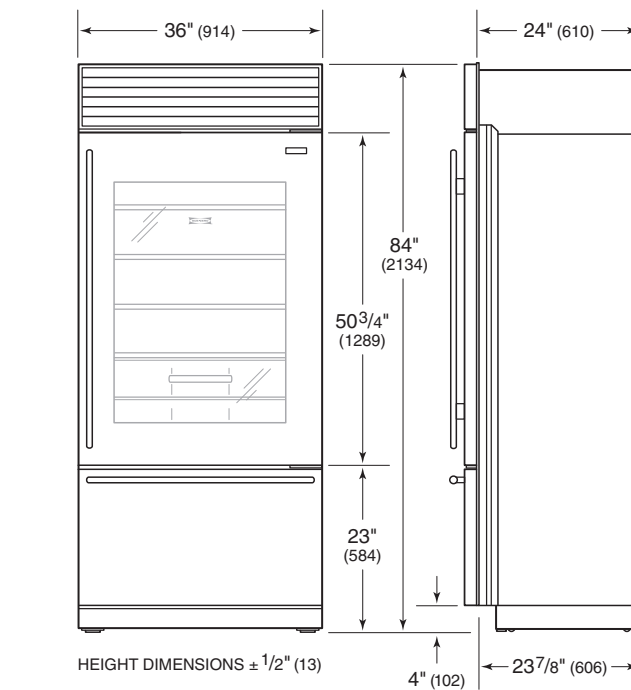
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## Overall Dimensions

## OVER-AND-UNDER MODELS



MODELS BI-30U AND BI-30UG



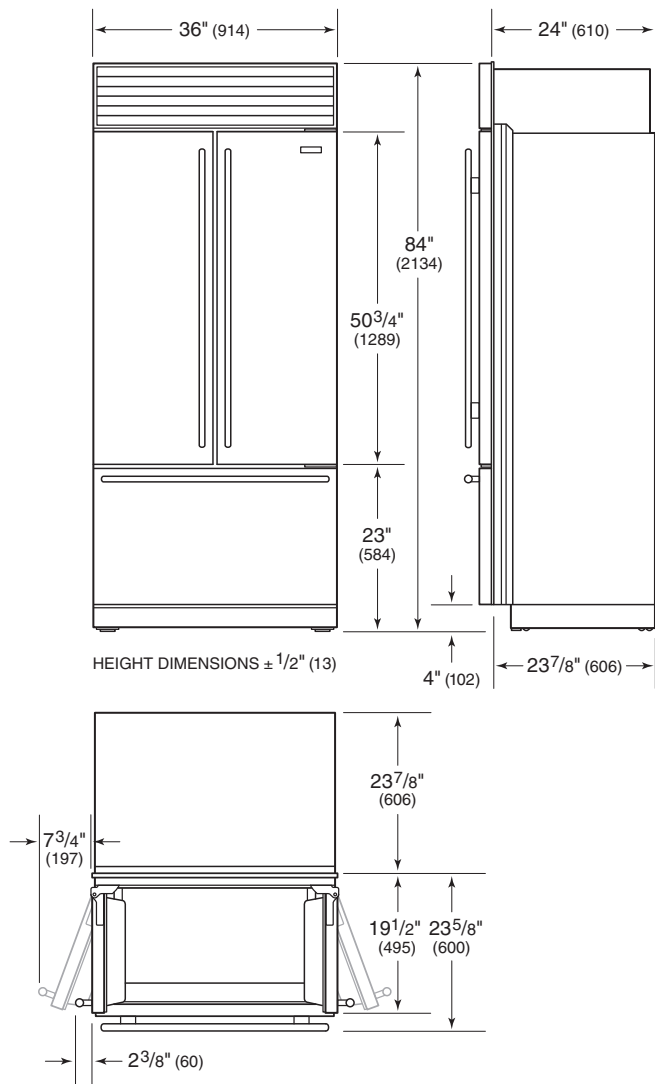
MODELS BI-36U AND BI-36UG

## Model Specifications

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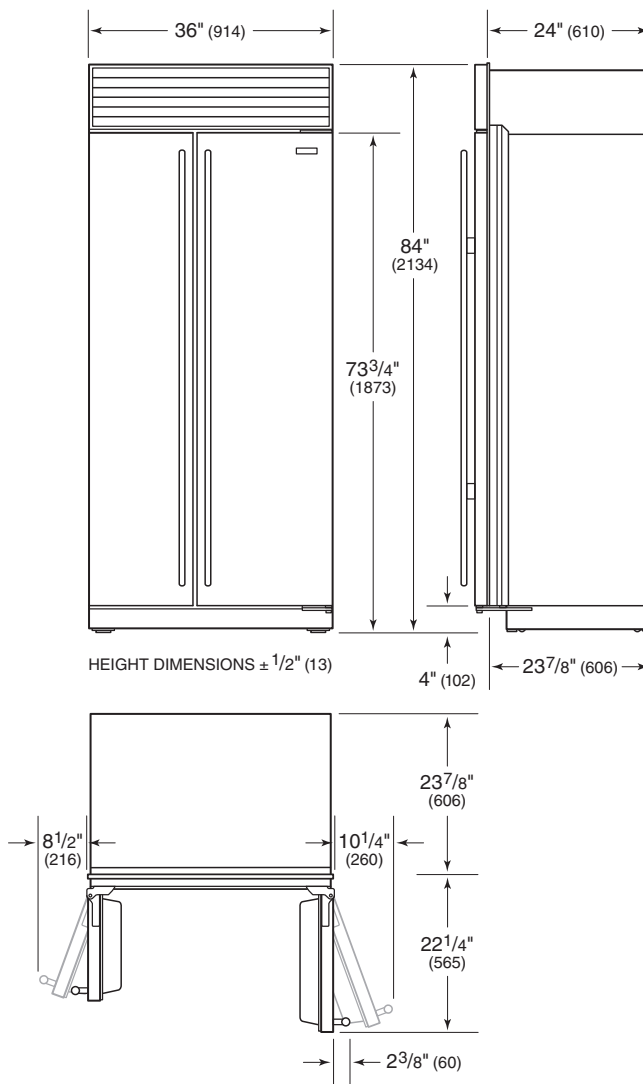
### Overall Dimensions

#### OVER-AND-UNDER MODELS



**MODEL BI-36UFD**

#### SIDE-BY-SIDE MODELS



**MODEL BI-36S**

Overall dimensions are based on stainless steel models.  
For flush inset applications, add 1/2" (13) to door clearance dimensions.

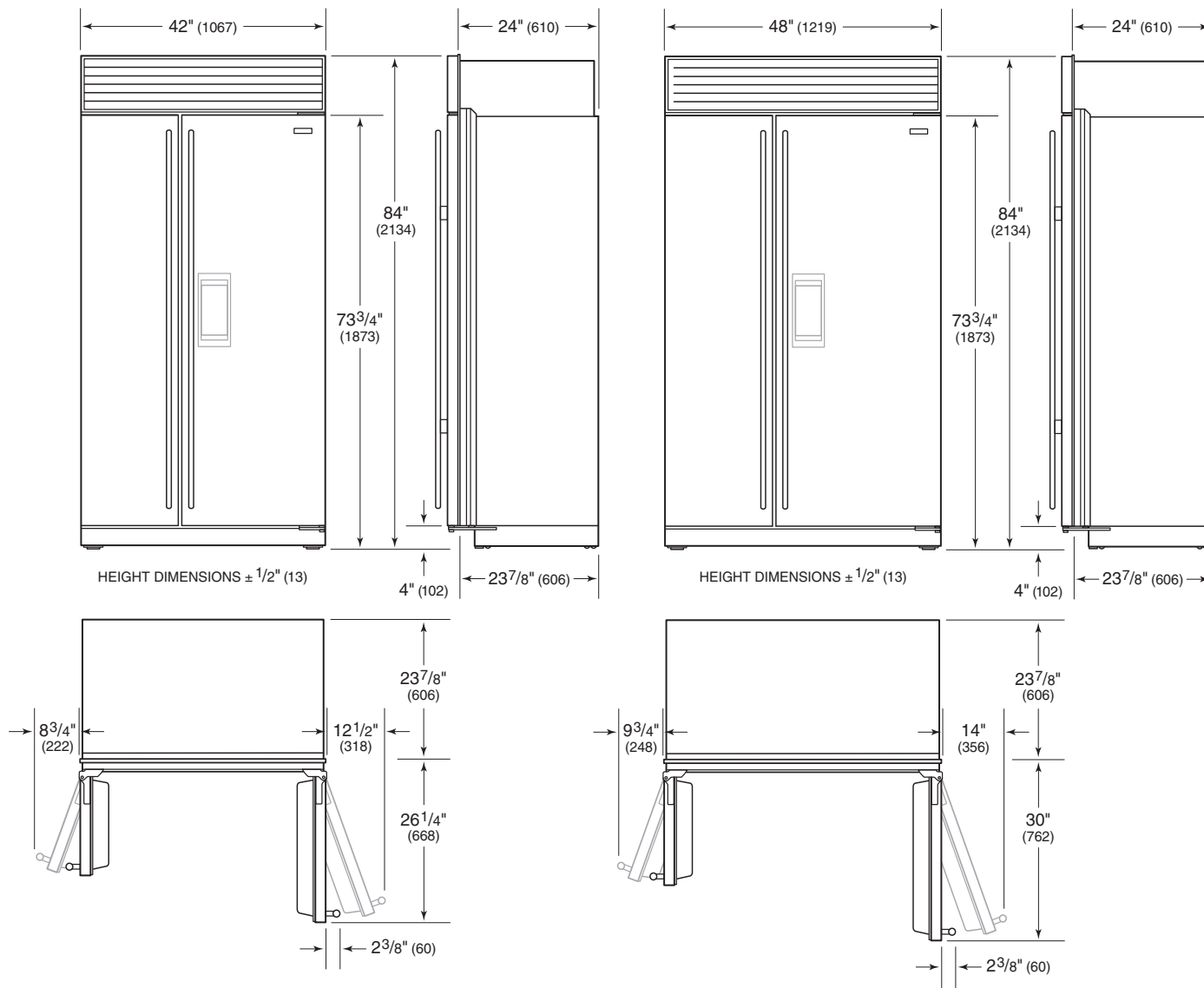
## Model Specifications

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## Overall Dimensions

## SIDE-BY-SIDE MODELS



MODELS BI-42S, BI-42SID AND BI-42SD

MODELS BI-48S, BI-48SID AND BI-48SD

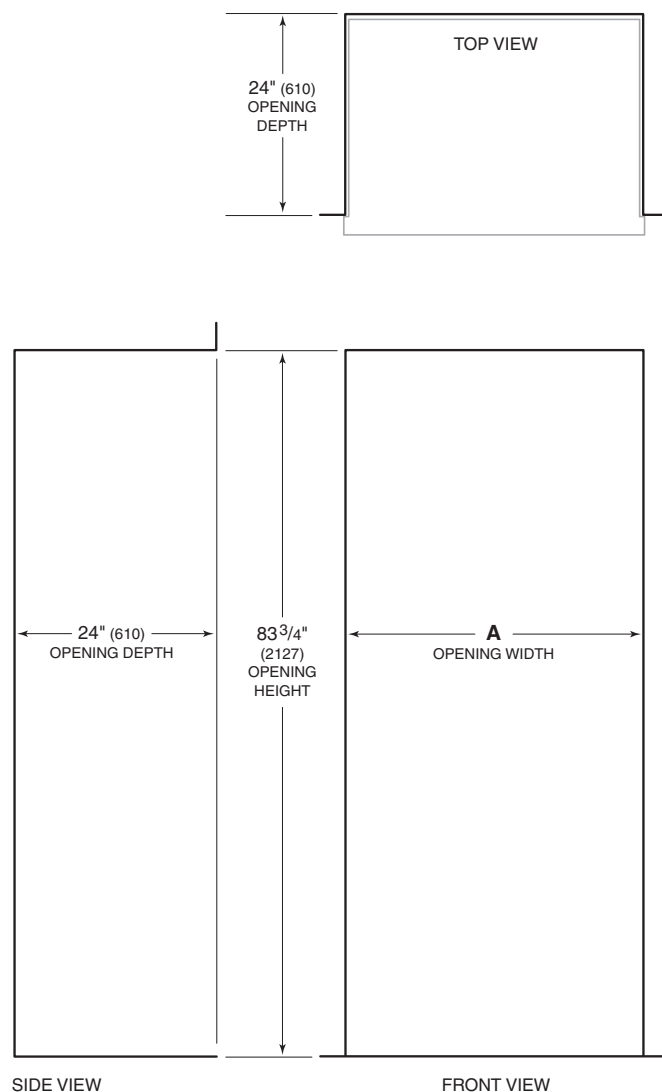


## Site Preparation

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### Opening Dimensions

#### STANDARD INSTALLATION



Opening Width	A
BI-36R, BI-36RG and BI-36F	35 <sup>1</sup> / <sub>2</sub> " (902)
BI-30U and BI-30UG	29 <sup>1</sup> / <sub>2</sub> " (746)
BI-36U, BI-36UG and BI-36UFD	35 <sup>1</sup> / <sub>2</sub> " (902)
BI-36S	35 <sup>1</sup> / <sub>2</sub> " (902)
BI-42S, BI-42SID and BI-42SD	41 <sup>1</sup> / <sub>2</sub> " (1054)
BI-48S, BI-48SID and BI-48SD	47 <sup>1</sup> / <sub>2</sub> " (1206)

**IMPORTANT NOTE:** If two units are installed side by side, refer to page 10 for dual standard installations.

Stainless steel models are ready to install out of the box.

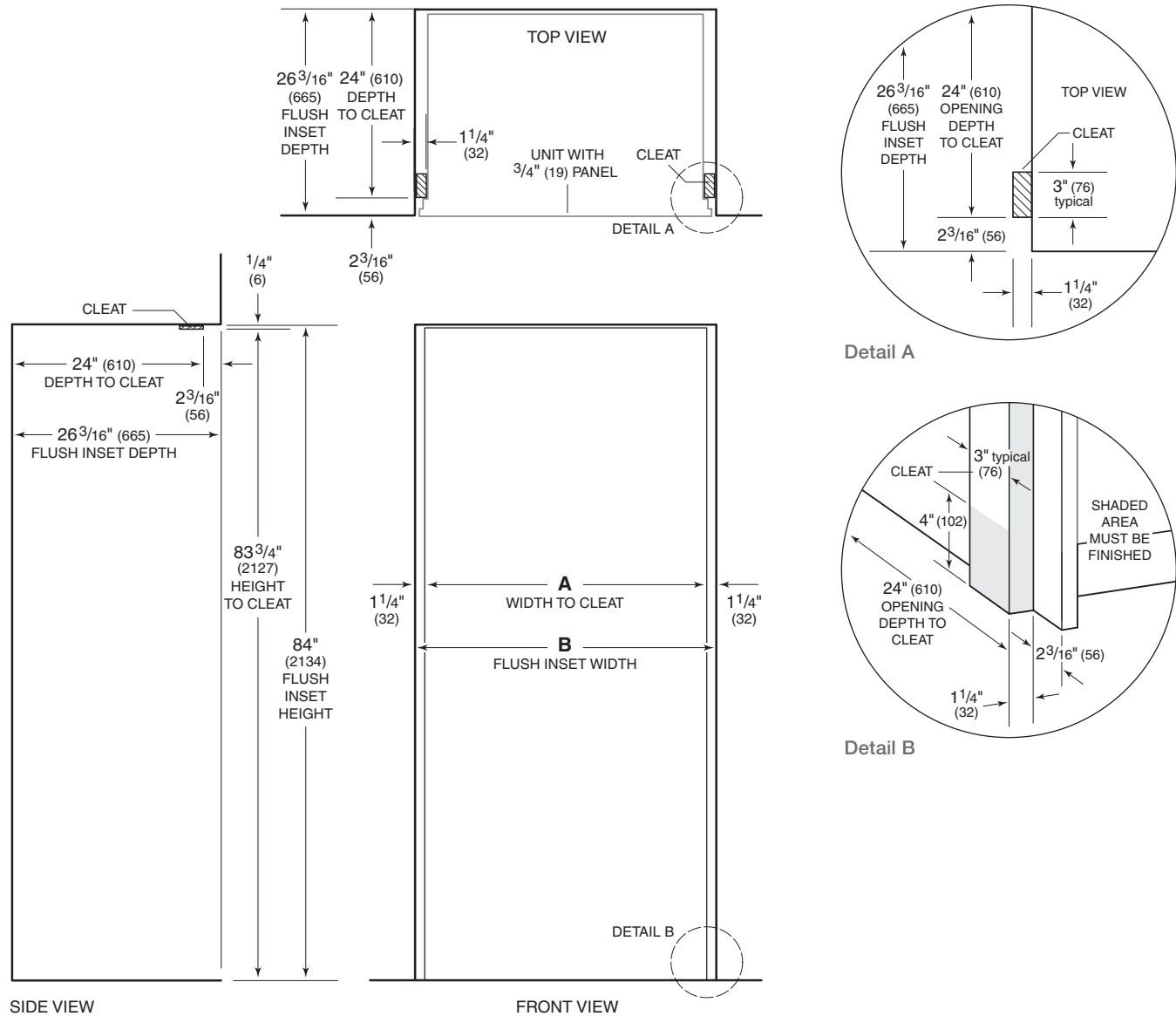
## Site Preparation

9

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## Opening Dimensions

## FLUSH INSET INSTALLATION



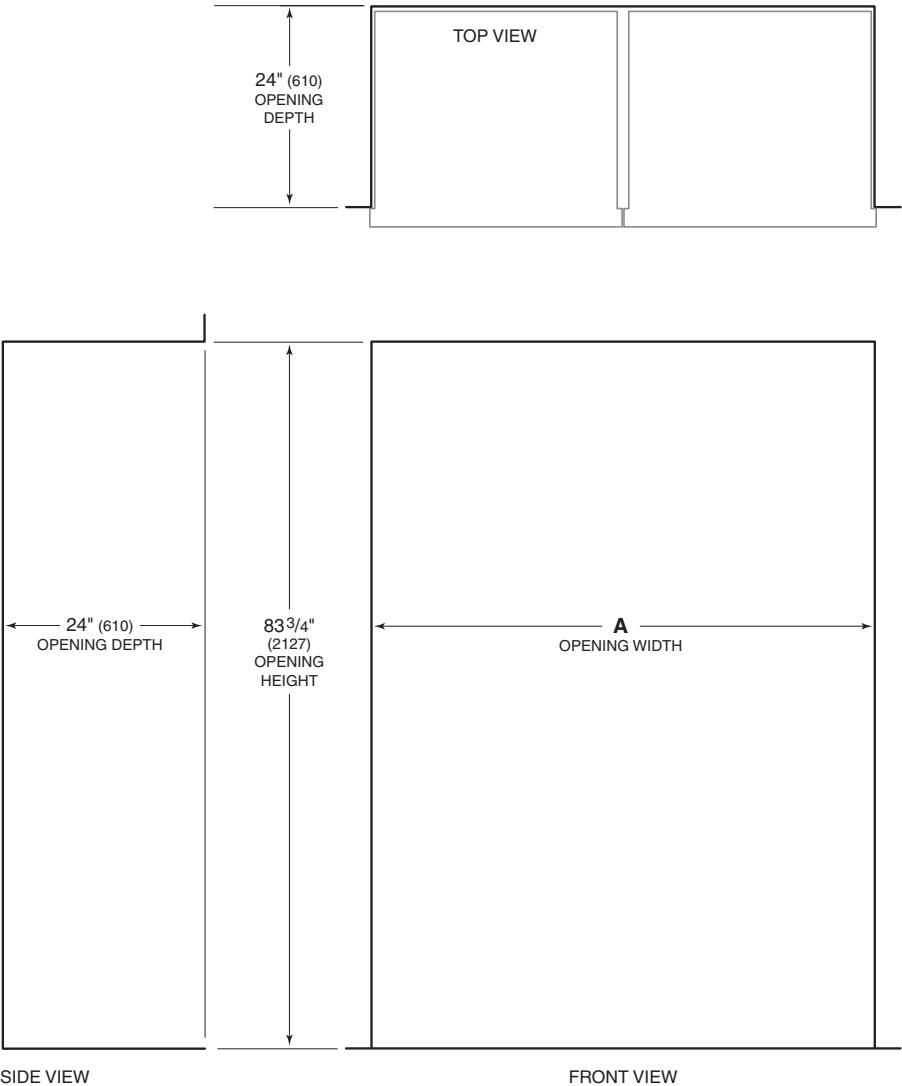
Flush Inset Opening Widths	A	B
BI-36R, BI-36RG and BI-36F	35 1/2" (902)	38" (965)
BI-30U and BI-30UG	29 1/2" (746)	32" (813)
BI-36U, BI-36UG and BI-36UFD	35 1/2" (902)	38" (965)
BI-36S	35 1/2" (902)	38" (965)
BI-42S, BI-42SID and BI-42SD	41 1/2" (1054)	44" (1118)
BI-48S, BI-48SID and BI-48SD	47 1/2" (1206)	50" (1270)

**IMPORTANT NOTE:** Dimensions assume a 3/4" (19) panel thickness.

**IMPORTANT NOTE:** If two units are installed side by side, refer to page 11 for dual flush inset installations.

Dual Installation Opening Dimensions

STANDARD INSTALLATION



Opening Widths	A
Two 30" (762) Models	59 3/4" (1518)
30" (762) and 36" (914) Models	65 3/4" (1670)
Two 36" (914) Models	71 3/4" (1822)

**IMPORTANT NOTE:** A dual installation kit will be required for this installation.

Stainless steel models are ready to install out of the box.

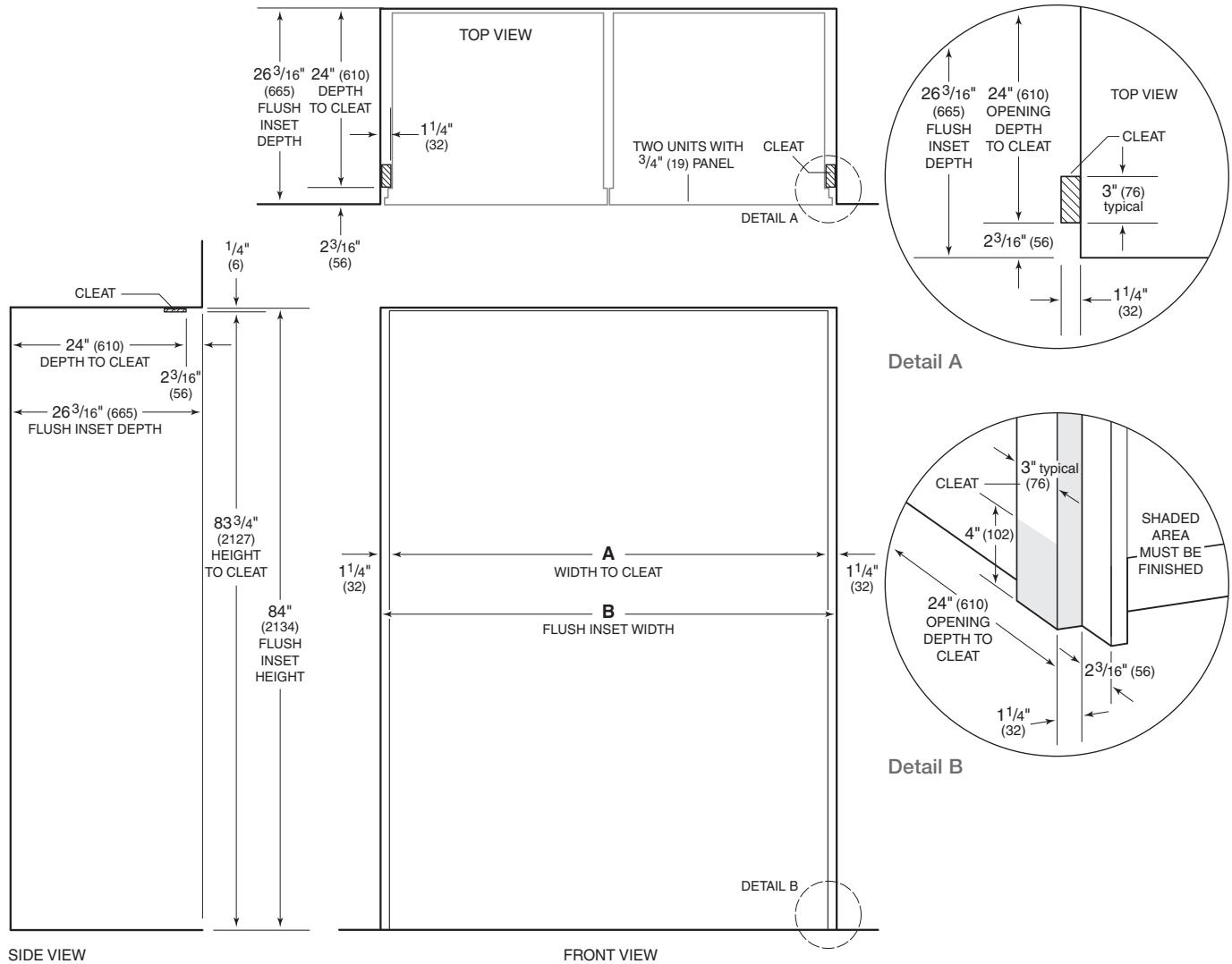
## Site Preparation

11

subzero.com/specs

## Dual Installation Opening Dimensions

## FLUSH INSET INSTALLATION



Opening Widths	A	B
Two 30" (762) Models	$59\frac{3}{4}$ " (1518)	$62\frac{1}{4}$ " (1581)
30" (762) and 36" (914) Models	$65\frac{3}{4}$ " (1670)	$68\frac{1}{4}$ " (1734)
Two 36" (914) Models	$71\frac{3}{4}$ " (1822)	$74\frac{1}{4}$ " (1886)

**IMPORTANT NOTE:** Dimensions assume a  $\frac{3}{4}$ " (19) panel thickness. A dual installation kit will be required for this installation.

## Site Preparation

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### Site Preparation

Make sure that the finished rough opening where the built-in unit is being installed is properly prepared. Refer to the overall dimensions and installation specifications for your specific model. These specifications are identical for the framed, overlay and stainless steel applications. Installation specifications are different for the flush inset application, whether you are using custom panels or Sub-Zero accessory flush inset panels.

Make sure the opening dimensions, door and drawer clearances, electrical service and plumbing are correct for the model you are about to install. The floor under the unit must be level with the surrounding finished floor.

To operate properly, the door must open a minimum of 90°. Use a minimum 3" (76) filler in corner installations to assure a 90° door opening. Allow enough clearance in front of the unit for full door swing.

If you are installing two built-in units side by side in the framed, overlay, flush inset or stainless steel application, a separating filler strip is recommended. Add the filler strip width to the finished rough opening dimension.

For installation of two built-in units side by side without a filler strip, a dual installation kit will be necessary.

### Electrical Requirements

For all built-in models, the electrical supply should be located within the shaded area shown in the illustration. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

#### Electrical Requirements

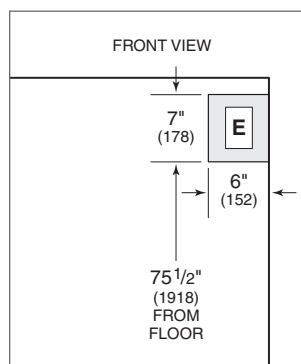
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type

#### ⚠ CAUTION

The outlet must be checked by a qualified electrician to be sure that it is wired with the correct polarity. Verify that the outlet is properly grounded.

#### ⚠ WARNING

Do not use an extension cord or two-prong adapter. Do not remove the power supply cord ground prong.



Location of electrical supply.



## Site Preparation

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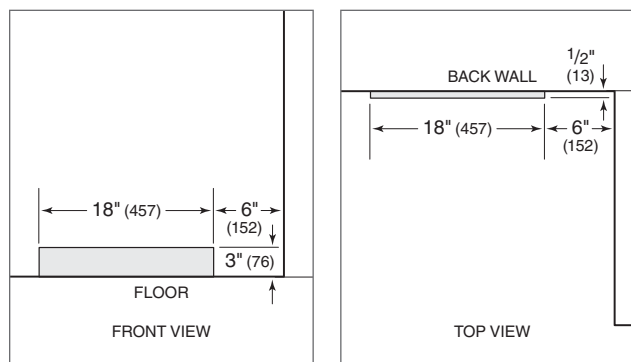
### Plumbing Requirements

All built-in models with an automatic ice maker feature a water filtration system that supplies filtered water to the ice maker and water dispenser (dispenser models). The water supply line should be located within the shaded area shown in the illustrations.

The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer. The water line must not interfere with installation of the anti-tip brackets.

A reverse osmosis system can be used provided there is constant water pressure of 35 psi (2.4 bar) to 120 psi (8.3 bar) supplied to the unit at all times. In this application, the water filtration system must be bypassed. Refer to water filter bypass mode on page 21. A copper line is not recommended for this application.

**IMPORTANT NOTE:** All installations must meet local plumbing code requirements.



Location of water supply—rear.

Location of water supply—bottom.

Plumbing Requirements	
Water Supply Line	1/4" OD copper, braided stainless steel or PEX tubing
Water Pressure	35–120 psi (2.4–8.3 bar)
Excess Water Line for Connection	3/6" (914)

## Panel Installation

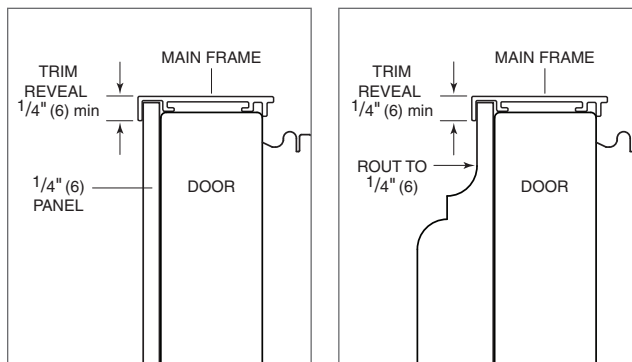
22

### Framed Panels

If your customer has chosen a framed design application, make sure that the panels you are about to install match dimensions listed in the framed panel specifications on pages 24–25. Additional panel design information can be found in the Sub-Zero design guide and on our website, [subzero.com](http://subzero.com).

If the thickness of the custom panel is less than a  $\frac{1}{4}$ " (6), back it up with a sheet of shim material to build the total thickness to a  $\frac{1}{4}$ " (6). If the panel is thicker than a  $\frac{1}{4}$ " (6), rout an edge around the panel to achieve a proper fit. Refer to the illustrations.

**IMPORTANT NOTE:** On all built-in models, routing, recessing or optional extended handles may be required on raised panels for finger clearance under the handle.



Panels  $\frac{1}{4}$ " (6) thick or less.

Panels thicker than  $\frac{1}{4}$ " (6).

#### Framed Panel Requirements

##### MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Framed Models	50 lbs (23 kg)

##### MIN PANEL THICKNESS

All Framed Panels	$\frac{1}{4}$ " (6)
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## Panel Installation

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[subzero.com/specs](http://subzero.com/specs)

### Framed Panels

To install framed panels, the door handle(s) must be removed. To install framed panels, first remove the door trim molding. For side-by-side models and the upper door for over-and-under models, insert a screwdriver tip into the top corner slot on the handle side and pop out the trim molding. Refer to the illustration below.

For the drawer on over-and-under models, insert a screwdriver tip into the slot on either side of the trim molding running along the top of the drawer, and pop out the trim molding. Refer to the illustration below.

With a screwdriver, remove the handles from the freezer and refrigerator doors. Slide the panel into the frame on the door. With the panel in position, replace the handles. Make sure the panel is inserted completely into the channel for proper fit and alignment.

To reinstall the trim molding, insert the top of the trim molding into the grooves at the top of the door and work downward, snapping the trim molding into the clips on the handle.

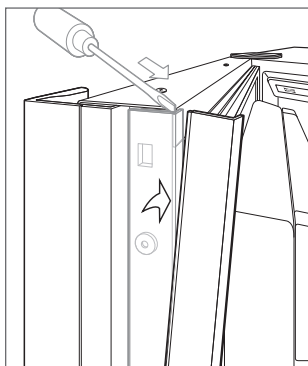
For the drawer on over-and-under models, start at one end and move towards the opposite end, snapping the trim molding into the clips on the handle.

### RAISED PANELS

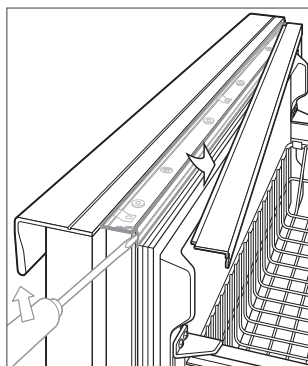
You may have to rout, recess or use optional extended handles with some door panel designs to allow for finger clearance. This is particularly true if your unit has raised panels greater than  $\frac{1}{4}$ " (6) total thickness.

**IMPORTANT NOTE:** Do not exceed the maximum per panel weight for your specific model. Refer to the chart on the previous page.

Check the location of offset when you are using specific routing for the grip area only. Refer to the Sub-Zero design guide for a full-scale template of the standard full-length handle and panel. Use this grid template to lay out your panel design for finger clearance when standard full-length handles are used.



Door trim.

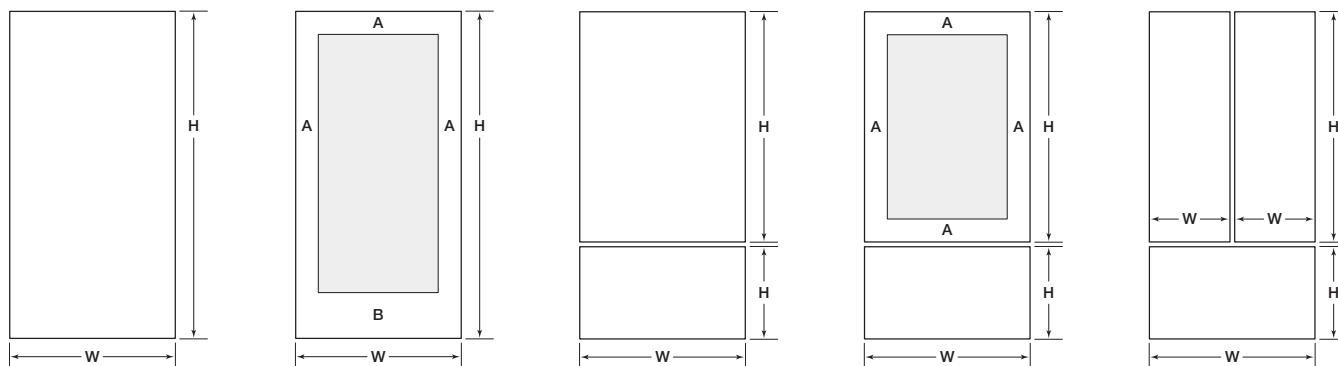


Over-and-under drawer trim.

## Panel Installation

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## Framed Panel Specifications



BI-36R / BI-36F

BI-36RG

BI-30U / BI-36U

BI-30UG / BI-36UG

BI-36UFD

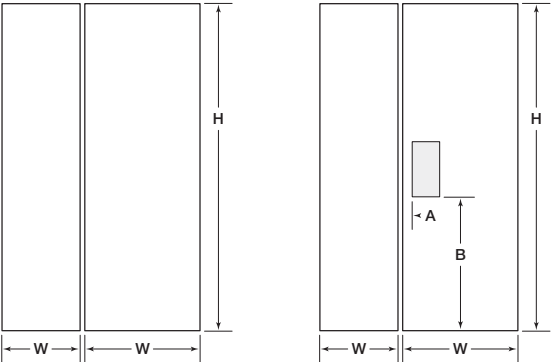
Models BI-36R, BI-36RG and BI-36F			
<b>REFRIGERATOR/FREEZER</b>	<b>W</b>	<b>H</b>	
Door Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
<b>BI-36RG</b>	<b>W</b>	<b>H</b>	
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	54 <sup>1</sup> / <sub>16</sub> " (1373)	
Cut-Out Location	<b>A</b>	<b>B</b>	
	5 <sup>3</sup> / <sub>16</sub> " (132)	10 <sup>5</sup> / <sub>16</sub> " (262)	

Models BI-30U and BI-30UG			
<b>REFRIGERATOR</b>	<b>W</b>	<b>H</b>	
Door Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)	
<b>FREEZER</b>	<b>W</b>	<b>H</b>	
Drawer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)	
<b>BI-30UG</b>	<b>W</b>	<b>H</b>	
Window Cut-Out	19 <sup>1</sup> / <sub>2</sub> " (495)	39 <sup>11</sup> / <sub>16</sub> " (1008)	
Cut-Out Location		<b>A</b>	
		5 <sup>3</sup> / <sub>16</sub> " (132)	

Models BI-36U and BI-36UG			
<b>REFRIGERATOR</b>	<b>W</b>	<b>H</b>	
Door Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)	
<b>FREEZER</b>	<b>W</b>	<b>H</b>	
Drawer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)	
<b>BI-36UG</b>	<b>W</b>	<b>H</b>	
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	39 <sup>11</sup> / <sub>16</sub> " (1008)	
Cut-Out Location		<b>A</b>	
		5 <sup>3</sup> / <sub>16</sub> " (132)	

Model BI-36UFD			
<b>REFRIGERATOR (2 PANELS)</b>	<b>W</b>	<b>H</b>	
Door Panels	17 <sup>5</sup> / <sub>8</sub> " (448)	49 <sup>15</sup> / <sub>16</sub> " (1268)	
<b>FREEZER</b>	<b>W</b>	<b>H</b>	
Drawer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)	

Framed Panel Specifications



BI-36S / BI-42S / BI-42SID      BI-42SD / BI-48SD  
BI-48S / BI-48SID

Model BI-36S			
REFRIGERATOR	W	H	
Door Panel	19 <sup>13</sup> / <sub>16</sub> " (503)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Door Panel	15 <sup>7</sup> / <sub>16</sub> " (392)	69 <sup>9</sup> / <sub>16</sub> " (1767)	

Models BI-42S, BI-42SID and BI-42SD			
REFRIGERATOR	W	H	
Door Panel	24 <sup>13</sup> / <sub>16</sub> " (630)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Door Panel	16 <sup>7</sup> / <sub>16</sub> " (418)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
BI-42SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	1 <sup>7</sup> / <sub>8</sub> " (48)	28 <sup>3</sup> / <sub>4</sub> " (730)	

Models BI-48S, BI-48SID and BI-48SD			
REFRIGERATOR	W	H	
Door Panel	28 <sup>1</sup> / <sub>2</sub> " (724)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Door Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
BI-48SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	1 <sup>7</sup> / <sub>8</sub> " (48)	28 <sup>3</sup> / <sub>4</sub> " (730)	

For models BI-42SD and BI-48SD, panel thickness in the dispenser area can range from 1/4" (6) to a maximum of 1 1/8" (29). If the panel is thicker, you must rout out a minimum 1/4" (6) flat landing area to accommodate the glasswell bezel.



## Panel Installation

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### Overlay Panels

If your customer has chosen an overlay design application, make sure that the panels you are about to install match dimensions listed in the overlay panel specifications on pages 28–29. Additional panel design information can be found in the Sub-Zero design guide and on our website, subzero.com.

**IMPORTANT NOTE:** The size of the overlay panel is critical. It must fit over the door frame. Also, do not exceed the maximum per panel weight for your specific model. Refer to the chart below.

Overlay models are shipped without handle hardware. The cabinet manufacturer or designer will need to provide handle hardware to match the overall decorating scheme.

To install overlay panels, first remove the door trim molding. For side-by-side models and the upper door for over-and-under models, insert a screwdriver tip into the top corner slot on the handle side and pop out the trim molding. Remove the screws and frame. For the drawer on over-and-under models, insert a screwdriver tip into the slot on either side of the trim molding running along the top of the drawer and pop out the trim molding. Remove the screws and frame. Refer to the illustrations on page 23.

Sub-Zero allows a  $\frac{1}{4}$ " (6) space to slide the backing material into place in the frame. If your material is thicker than a  $\frac{1}{4}$ " (6), either rout an edge around the panel to get a proper fit or mount the decorative overlay panel on a sheet of  $\frac{1}{4}$ " (6) thick material and insert the backing material into the channel.

#### Overlay Panel Requirements

##### MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Overlay Models	50 lbs (23 kg)
Grille Panel	13 lbs (6 kg)

##### MIN PANEL THICKNESS

All Overlay Panels	$\frac{5}{8}$ " (16)
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You must allow for .10" (3) space between the backer board and the decorative panel, so the panel will slide easily into the door frame.

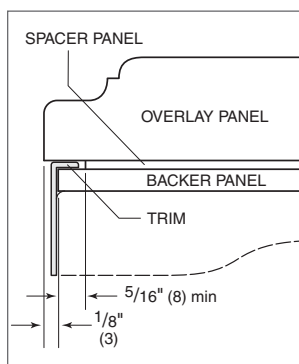
The illustrations below provide a cross section view of the three-panel assembly, showing placement of the trim and a rear view of the three-panel assembly with critical dimensions, standard for all built-in models.

Install the handle hardware before inserting the panel. We recommend larger D-style pulls. The use of small, one-piece knobs is not recommended. If you use screws with thick heads, you will need to countersink the screws into the backer panel before sliding the assembly into place.

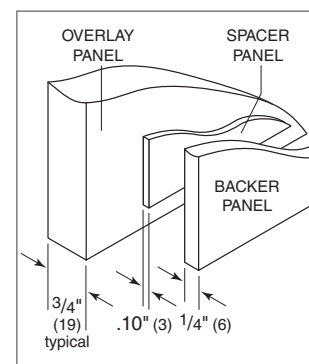
Slide the panel into the frame on the door. With the panel in position, replace the frame end. Make sure the panel is inserted completely into the channel for proper fit and alignment.

To reinstall the trim molding on side-by-side models and the upper door for over-and-under models, insert the top of the trim molding into the grooves at the top of the door and work downward, snapping the trim molding into the clips on the frame.

For the drawer on over-and-under models, start at one end and move towards the opposite end, snapping the trim molding into the clips on the frame.



Panel assembly cross section.



Panel assembly rear view.

## Panel Installation

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### Overlay Panels

#### MODELS BI-42SD AND BI-48SD

The dispenser area of models BI-42SD and BI-48SD has been engineered to enable the use of the overlay or flush inset panel application. Installing overlay or flush inset panels for these models is the same procedure as for other built-in models. The refrigerator door panel will need to accommodate a cut-out for the glasswell bezel.

To remove the glasswell bezel for an overlay or flush inset model BI-42SD or BI-48SD, the water grille and touch pad must be removed. Lift the water grille up and out. Next, remove the touch pad assembly by removing the center plastic mandrel supports. Carefully tilt the touch pad out and disconnect the wire harness (blue side up) from the back side of the touch pad. Remove the bezel by removing the four screws.

Insert the overlay or flush inset panel into the door trim. Reverse the procedure to install the bezel, touch pad and water grille. To install the plastic rivets, insert rivets through the touch pad and into the control housing and secure by pressing mandrels into the body of the rivets. Refer to the illustrations below.

**IMPORTANT NOTE:** The total panel thickness (including backer and spacer, if used) in the glasswell bezel area can range from 1/4" (6) to a maximum of 1 1/8" (29). If the panel is thicker, provisions must be made to rout out a space to accommodate the bezel surrounding the glasswell.

#### GRILLE PANEL ASSEMBLY

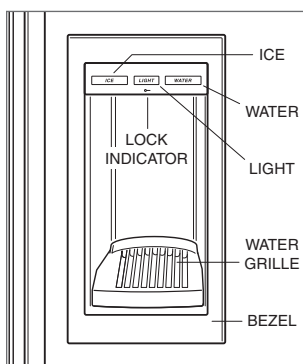
Remove the grille panel assembly as described on page 16. Remove the top two corner screws and pull away the top frame. Slide the panel into position in the grille frame. If you are using a grille panel 1/4" (6) or thinner, you will need to install a filler.

Reattach the top frame by reinstalling the two top corner screws. Install the grille panel assembly onto the unit, by reversing the grille removal procedure outlined on page 16.

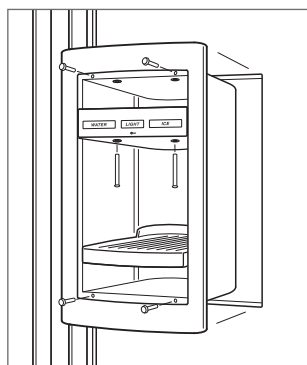
Refer to specifications for overlay grille panels on pages 28–29 and the illustrations on the previous page for the exact sizing of all three panels.

#### ⚠ CAUTION

Do not exceed the panel dimensions listed for the appropriate overlay grille panel you are specifying. The overlay decorative panel cannot be any larger or it may restrict the air flow to the compressor area and cause problems with the operation of the Sub-Zero unit.



Dispenser glasswell bezel.

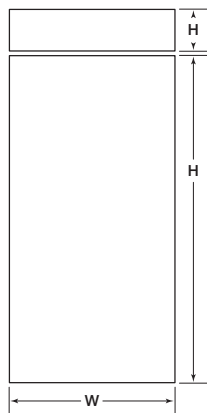


Glasswell bezel removal.

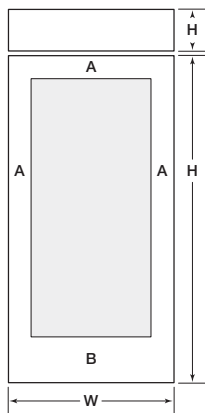
## Panel Installation

28

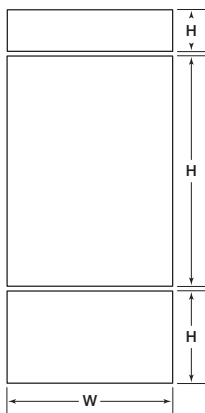
## Overlay Panel Specifications



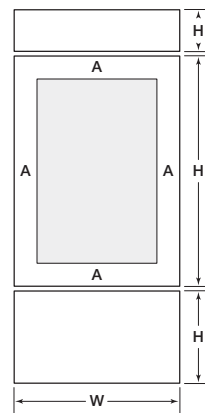
BI-36R / BI-36F



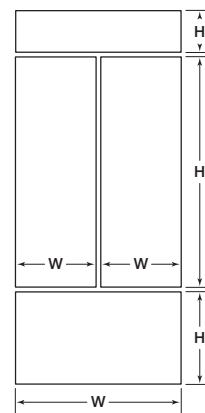
BI-36RG



BI-30U / BI-36U



BI-30UG / BI-36UG



BI-36UFD

## Models BI-36R, BI-36RG and BI-36F

REFRIGERATOR / FREEZER		W	H
Overlay Panel		36" (914)	69 <sup>3</sup> / <sub>4</sub> " (1772)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	68 <sup>15</sup> / <sub>16</sub> " (1751)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)
GRILLE		W	H
Overlay Panel		36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)
BI-36RG		W	H
Window Cut-Out		25 <sup>1</sup> / <sub>2</sub> " (648)	54 <sup>1</sup> / <sub>8</sub> " (1375)
		A	B
Cut-Out Location		5 <sup>1</sup> / <sub>4</sub> " (133)	10 <sup>3</sup> / <sub>8</sub> " (264)

## Models BI-30U and BI-30UG

REFRIGERATOR		W	H
Overlay Panel		30" (762)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel		29 <sup>1</sup> / <sub>8</sub> " (740)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel		29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER		W	H
Overlay Panel		30" (762)	19" (483)
Spacer Panel		29 <sup>1</sup> / <sub>8</sub> " (740)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel		29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)
GRILLE		W	H
Overlay Panel		30" (762)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel		29 <sup>1</sup> / <sub>8</sub> " (740)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel		29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)
BI-30UG		W	H
Window Cut-Out		19 <sup>1</sup> / <sub>2</sub> " (495)	39 <sup>5</sup> / <sub>8</sub> " (1006)
		A	
Cut-Out Location		5 <sup>1</sup> / <sub>4</sub> " (133)	

## Models BI-36U and BI-36UG

REFRIGERATOR		W	H
Overlay Panel		36" (914)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER		W	H
Overlay Panel		36" (914)	19" (483)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)
GRILLE		W	H
Overlay Panel		36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)
BI-36UG		W	H
Window Cut-Out		25 <sup>1</sup> / <sub>2</sub> " (648)	39 <sup>5</sup> / <sub>8</sub> " (1006)
		A	
Cut-Out Location		5 <sup>1</sup> / <sub>4</sub> " (133)	

## Model BI-36UFD

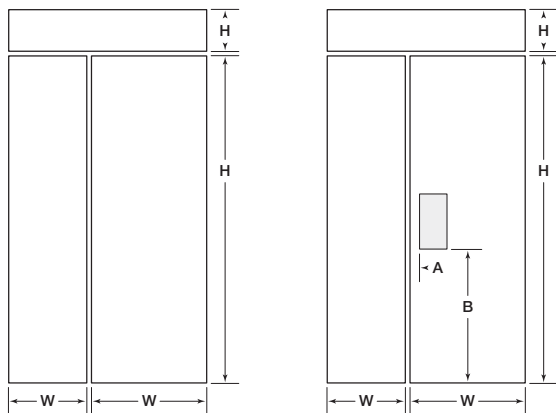
REFRIGERATOR (2 PANELS)		W	H
Overlay Panels		17 <sup>7</sup> / <sub>8</sub> " (454)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panels		17" (432)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panels		17 <sup>5</sup> / <sub>8</sub> " (448)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER		W	H
Overlay Panel		36" (914)	19" (483)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)
GRILLE		W	H
Overlay Panel		36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

## Panel Installation

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## Overlay Panel Specifications



BI-36S / BI-42S / BI-42SID

BI-42SD / BI-48SD

BI-48S / BI-48SID

Model BI-36S			
REFRIGERATOR	W	H	
Overlay Panel	20 <sup>1</sup> / <sub>16</sub> " (510)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	19 <sup>3</sup> / <sub>16</sub> " (487)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	19 <sup>13</sup> / <sub>16</sub> " (503)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Overlay Panel	15 <sup>11</sup> / <sub>16</sub> " (398)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	14 <sup>13</sup> / <sub>16</sub> " (376)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	15 <sup>7</sup> / <sub>16</sub> " (392)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Overlay Panel	36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)	

Models BI-42S, BI-42SID and BI-42SD			
REFRIGERATOR	W	H	
Overlay Panel	25 <sup>1</sup> / <sub>16</sub> " (637)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	24 <sup>3</sup> / <sub>16</sub> " (614)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	24 <sup>13</sup> / <sub>16</sub> " (630)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Overlay Panel	16 <sup>11</sup> / <sub>16</sub> " (424)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	15 <sup>13</sup> / <sub>16</sub> " (402)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	16 <sup>7</sup> / <sub>16</sub> " (418)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Overlay Panel	42" (1067)	9 <sup>1</sup> / <sub>4</sub> " (235)*	
Spacer Panel	41 <sup>1</sup> / <sub>8</sub> " (1045)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	41 <sup>3</sup> / <sub>4</sub> " (1060)	8 <sup>15</sup> / <sub>16</sub> " (227)	
BI-42SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

Models BI-48S, BI-48SID and BI-48SD			
REFRIGERATOR	W	H	
Overlay Panel	28 <sup>3</sup> / <sub>4</sub> " (730)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	27 <sup>7</sup> / <sub>8</sub> " (708)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	28 <sup>1</sup> / <sub>2</sub> " (724)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Overlay Panel	19" (483)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	18 <sup>1</sup> / <sub>8</sub> " (460)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Overlay Panel	48" (1219)	9 <sup>1</sup> / <sub>4</sub> " (235)*	
Spacer Panel	47 <sup>1</sup> / <sub>8</sub> " (1197)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	47 <sup>3</sup> / <sub>4</sub> " (1213)	8 <sup>15</sup> / <sub>16</sub> " (227)	
BI-48SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

\*Height of overlay panel for grille may be increased by 1/2" (13) to hide upper main frame. For more information, refer to the built-in panel configurator at [subzero.com/trade/panels](http://subzero.com/trade/panels).

For all models, grille panel dimensions listed are for standard 84" (2134) nominal finished height. For 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For 88" (2235) finished height, add 4" (102) to grille panel. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel. Width dimensions do not vary.

## Panel Installation

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### Flush Inset Panels

If your customer has chosen the flush inset panel application, make sure that the panels you are about to install match dimensions listed in the flush inset panel specifications on pages 32–33. Additional panel design information can be found in the Sub-Zero design guide and on our website, [subzero.com](http://subzero.com).

**IMPORTANT NOTE:** The size of the flush inset panel is critical. It must be sized correctly for a proper fit inside the opening.

Overlay models are shipped without handle hardware. The cabinet manufacturer or designer will provide handle hardware at the job site to match the overall decorating scheme.

To install flush inset panels, first remove the door trim molding. For side-by-side models and the upper door for over-and-under models, insert a screwdriver tip into the top corner slot on the handle side and pop out the trim molding. Remove the screws and frame. For the drawer on over-and-under models, insert a screwdriver tip into the slot on either side of the trim molding running along the top of the drawer, and pop out the trim molding. Remove the screws and frame. Refer to the illustrations on page 23.

#### Flush Inset Panel Requirements

##### MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Flush Inset Models	50 lbs (23 kg)
Grille Panel	13 lbs (6 kg)

##### MIN PANEL THICKNESS

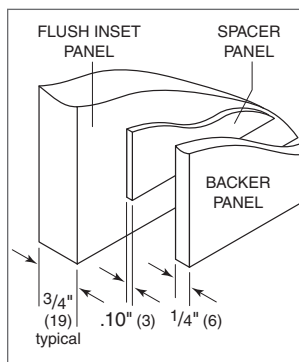
All Flush Inset Panels	5/8" (16)
------------------------	-----------

Sub-Zero allows a 1/4" (6) space to slide the backing material into place in the frame. If your material is thicker than a 1/4" (6), either rout an edge around the panel to get a proper fit or mount the decorative flush inset panel on a sheet of 1/4" (6) thick material and insert the backing material into the channel.

You must allow for 0.10" (3) space between the backer board and the decorative panel, so the panel will slide easily into the door frame.

The illustration below provides a rear view of the three-panel assembly with critical dimensions, standard for all built-in models.

**IMPORTANT NOTE:** With the panels installed, 1/2" (13) minimum reveals must be kept on all sides to ensure proper door opening and sufficient cooling of the unit.



Three-panel assembly.



## Panel Installation

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[subzero.com/specs](http://subzero.com/specs)

### Flush Inset Panels

Install the handle hardware before inserting the panel. Sub-Zero recommends using larger D-style pulls. The use of small, one-piece knobs is not recommended. If you use screws with thick heads, you will need to countersink the screws into the backer panel before sliding the assembly into place.

Slide the panel into the frame on the door. With the panel in position, replace the frame end. Make sure the panel is inserted completely into the channel for proper fit and alignment.

To reinstall the trim molding on side-by-side models and the upper door for over-and-under models, insert the top of the trim molding into the grooves at the top of the door and work downward, snapping the trim molding into the clips on the frame.

For the drawer on over-and-under models, start at one end and move towards the opposite end, snapping the trim molding into the clips on the frame.

### GRILLE PANEL ASSEMBLY

Remove the grille panel assembly as described on page 16. Remove the top two corner screws and pull away the top frame. Slide the panel into position in the grille frame. If you are using a grille panel  $\frac{1}{4}$ " (6) or thinner, you will need to install a filler.

Reattach the top frame by reinstalling the two top corner screws. Install the inner grille panel assembly onto the unit, by reversing the grille removal procedure outlined on page 16.

Refer to specifications for flush inset grille panels on pages 32–33 and the illustrations on the previous page for the exact sizing of all three panels.

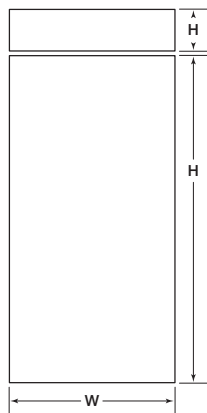
#### **⚠ CAUTION**

Do not exceed the panel dimensions listed for the appropriate flush inset grille panel you are specifying. The flush inset decorative panel cannot be any larger or it may restrict the air flow to the compressor area and cause problems with the operation of the Sub-Zero unit.

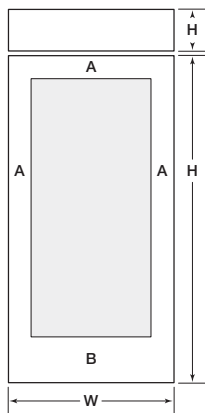
## Panel Installation

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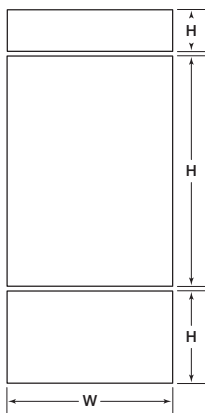
## Flush Inset Panel Specifications



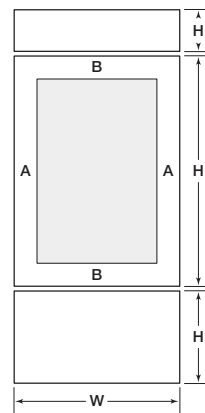
BI-36R / BI-36F



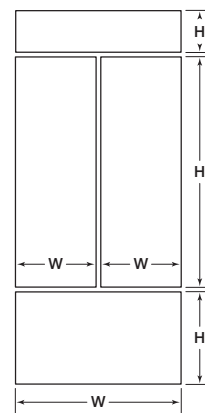
BI-36RG



BI-30U / BI-36U



BI-30UG / BI-36UG



BI-36UFD

## Models BI-36R, BI-36RG and BI-36F

REFRIGERATOR / FREEZER	W	H
Flush Inset Panel	37" (940)	69 <sup>3</sup> / <sub>4</sub> " (1772)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	68 <sup>15</sup> / <sub>16</sub> " (1751)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)

GRILLE	W	H
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

BI-36RG	W	H
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	54 <sup>1</sup> / <sub>8</sub> " (1375)
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	10 <sup>3</sup> / <sub>8</sub> " (264)

## Models BI-30U and BI-30UG

REFRIGERATOR	W	H
Flush Inset Panel	31" (787)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)

FREEZER	W	H
Flush Inset Panel	31" (787)	19" (483)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)

GRILLE	W	H
Flush Inset Panel	31" (787)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)

BI-30UG	W	H
Window Cut-Out	19 <sup>1</sup> / <sub>2</sub> " (495)	39 <sup>5</sup> / <sub>8</sub> " (1006)
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)

## Models BI-36U and BI-36UG

REFRIGERATOR	W	H
Flush Inset Panel	37" (940)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)

FREEZER	W	H
Flush Inset Panel	37" (940)	19" (483)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)

GRILLE	W	H
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

BI-36UG	W	H
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	39 <sup>5</sup> / <sub>8</sub> " (1006)
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)

## Model BI-36UFD

REFRIGERATOR (2 PANELS)	W	H
Flush Inset Panels	18 <sup>3</sup> / <sub>8</sub> " (467)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panels	17" (432)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panels	17 <sup>5</sup> / <sub>8</sub> " (448)	49 <sup>15</sup> / <sub>16</sub> " (1268)

FREEZER	W	H
Flush Inset Panel	37" (940)	19" (483)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)

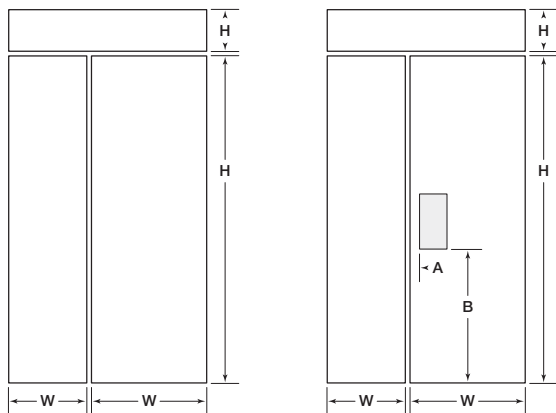
GRILLE	W	H
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

## Panel Installation

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## Flush Inset Panel Specifications



BI-36S / BI-42S / BI-42SID

BI-42SD / BI-48SD

BI-48S / BI-48SID

Model BI-36S			
REFRIGERATOR	W	H	
Flush Inset Panel	20 <sup>9</sup> / <sub>16</sub> " (522)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	19 <sup>3</sup> / <sub>16</sub> " (487)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	19 <sup>13</sup> / <sub>16</sub> " (503)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Flush Inset Panel	16 <sup>3</sup> / <sub>16</sub> " (411)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	14 <sup>13</sup> / <sub>16</sub> " (376)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	15 <sup>7</sup> / <sub>16</sub> " (392)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)	

Models BI-42S, BI-42SID and BI-42SD			
REFRIGERATOR	W	H	
Flush Inset Panel	25 <sup>9</sup> / <sub>16</sub> " (649)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	24 <sup>3</sup> / <sub>16</sub> " (614)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	24 <sup>13</sup> / <sub>16</sub> " (630)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Flush Inset Panel	17 <sup>3</sup> / <sub>16</sub> " (437)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	15 <sup>13</sup> / <sub>16</sub> " (402)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	16 <sup>7</sup> / <sub>16</sub> " (418)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Flush Inset Panel	43" (1092)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	41 <sup>1</sup> / <sub>8</sub> " (1045)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	41 <sup>3</sup> / <sub>4</sub> " (1060)	8 <sup>15</sup> / <sub>16</sub> " (227)	
BI-42SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

Models BI-48S, BI-48SID and BI-48SD			
REFRIGERATOR	W	H	
Flush Inset Panel	29 <sup>1</sup> / <sub>4</sub> " (743)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	27 <sup>7</sup> / <sub>8</sub> " (708)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	28 <sup>1</sup> / <sub>2</sub> " (724)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Flush Inset Panel	19 <sup>1</sup> / <sub>2</sub> " (495)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	18 <sup>1</sup> / <sub>8</sub> " (460)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Flush Inset Panel	49" (1245)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	47 <sup>1</sup> / <sub>8</sub> " (1197)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	47 <sup>3</sup> / <sub>4</sub> " (1213)	8 <sup>15</sup> / <sub>16</sub> " (227)	
BI-48SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

For all models, grille panel dimensions listed are for standard 84" (2134) nominal finished height. For 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For 88" (2235) finished height, add 4" (102) to grille panel. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel. Width dimensions do not vary.

## Panel Installation

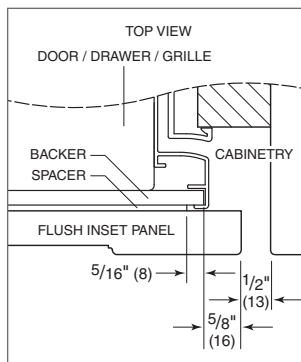
34

### Flush Inset Panels

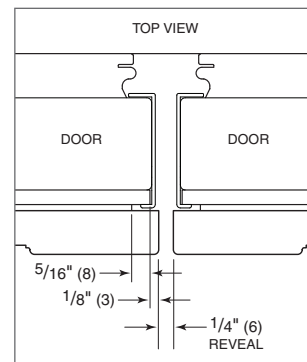
Illustrations A–F provide panel offsets and reveals for all built-in models in a flush inset application. Refer to the chart below for reference to the illustrations relating to your specific model.

For additional information on model specific panel reveals, visit the specification library section of our website, [subzerotrade.com](http://subzerotrade.com).

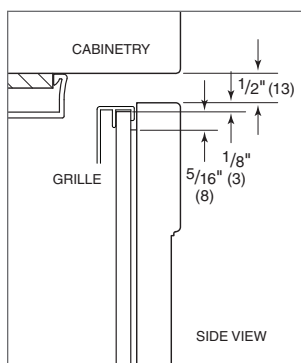
Panel Offsets	Illus.
<b>ALL REFRIGERATOR / ALL FREEZER</b>	
Door / Grille Sides	<b>A</b>
Grille Top	<b>C</b>
Grille Bottom / Door Top	<b>D</b>
Door Bottom	<b>F</b>
<b>OVER-AND-UNDER</b>	
Door (hinge) / Drawer / Grille Sides	<b>A</b>
Doors (handle) Sides (French door)	<b>B</b>
Grille Top	<b>C</b>
Grille Bottom / Door Top	<b>D</b>
Door Bottom / Drawer Top	<b>E</b>
Drawer Bottom	<b>F</b>
<b>SIDE-BY-SIDE</b>	
Doors (hinge) / Grille Sides	<b>A</b>
Doors (handle) Sides	<b>B</b>
Grille Top	<b>C</b>
Grille Bottom / Door Top	<b>D</b>
Door Bottom	<b>F</b>



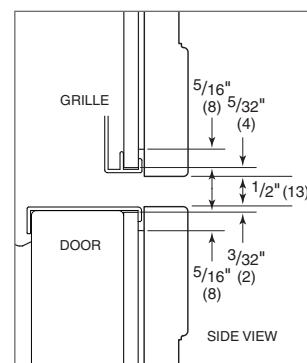
Illus. A



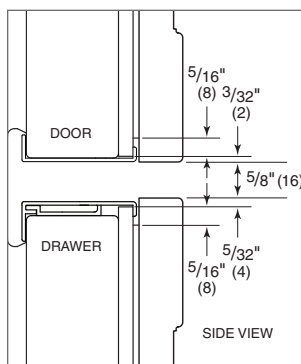
Illus. B



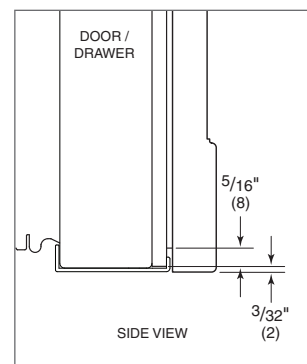
Illus. C



Illus. D



Illus. E



Illus. F



## Dual Installation

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### Dual Installation

When two built-in units are installed side by side, a Sub-Zero built-in dual installation kit may be required. Contact your authorized Sub-Zero dealer for the proper components and installation instructions. For questions regarding the installation, call Sub-Zero at 800-222-7820. For local dealer information, visit the find a showroom section of our website, [subzero.com](http://subzero.com).

#### DUAL STANDARD INSTALLATIONS

Two framed, overlay or stainless steel units may be placed side by side in a dual installation. Some dual standard installations will require a dual installation kit, available through your authorized Sub-Zero dealer.

A custom filler strip can be used in between two units in a framed, overlay or stainless steel design application. It is recommended that the filler strip be at least 2" (51) wide, to prevent condensation between the units. Be sure to add the filler strip width to your rough opening width.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip.

**IMPORTANT NOTE:** For the application shown in illustration A, a dual installation accessory kit is required.

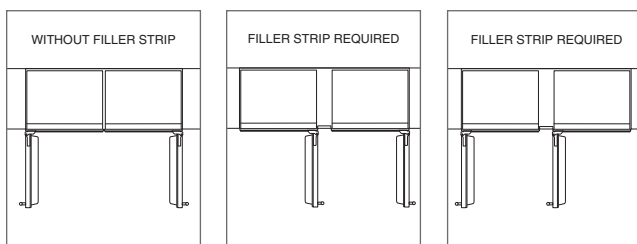
#### DUAL FLUSH INSET INSTALLATIONS

Installing two built-in models side by side in a flush inset application will require adjustments to the dimensions of your finished rough opening, panel sizes and panel offsets. It will also require a dual installation kit, available through your authorized Sub-Zero dealer.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip. Illustration A is the only application that will accommodate the dual wide grille.

**IMPORTANT NOTE:** The application shown in illustration A can only be achieved by installing dual flush inset panels. Failure to install dual flush inset panels will cause the handle side of the panels to collide when closing. In this application a dual installation accessory kit is also required.

Dual flush inset panels and dual installation kits are available through your authorized Sub-Zero dealer. Refer to the following page for dual flush inset panel specifications.



Illus. A

Illus. B

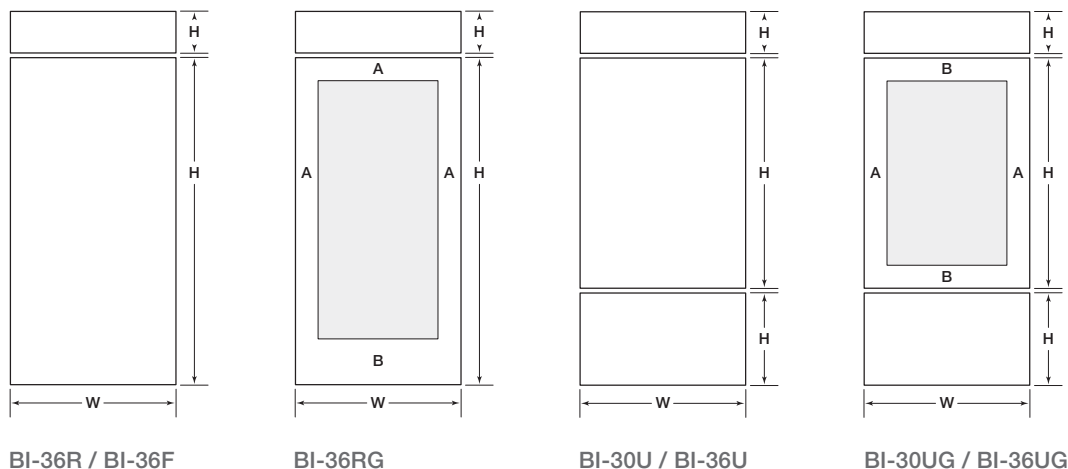
Illus. C

## Dual Installation

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## Dual Installation—Flush Inset Panel Specifications



Models BI-36R, BI-36RG and BI-36F			
<b>REFRIGERATOR / FREEZER</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	36 <sup>1</sup> / <sub>2</sub> " (927)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
<b>GRILLE</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	36 <sup>1</sup> / <sub>2</sub> " (927)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)	
<b>BI-36RG</b>	<b>W</b>	<b>H</b>	
Window Cut-Out	25" (635)	54 <sup>1</sup> / <sub>8</sub> " (1375)	
	<b>A</b>	<b>B</b>	
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	10 <sup>3</sup> / <sub>8</sub> " (264)	

Models BI-30U and BI-30UG			
<b>REFRIGERATOR</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	30 <sup>1</sup> / <sub>2</sub> " (775)	50 <sup>1</sup> / <sub>8</sub> " (1273)	
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	49 <sup>5</sup> / <sub>16</sub> " (1253)	
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)	
<b>FREEZER</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	30 <sup>1</sup> / <sub>2</sub> " (775)	19" (483)	
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	18 <sup>1</sup> / <sub>16</sub> " (459)	
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)	
<b>GRILLE</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	30 <sup>1</sup> / <sub>2</sub> " (775)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)	
<b>BI-30UG</b>	<b>W</b>	<b>H</b>	
Window Cut-Out	19" (483)	39 <sup>5</sup> / <sub>8</sub> " (1006)	
	<b>A</b>	<b>B</b>	
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)	

Models BI-36U and BI-36UG			
<b>REFRIGERATOR</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	36 <sup>1</sup> / <sub>2</sub> " (927)	50 <sup>1</sup> / <sub>8</sub> " (1273)	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	49 <sup>5</sup> / <sub>16</sub> " (1253)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)	
<b>FREEZER</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	36 <sup>1</sup> / <sub>2</sub> " (927)	19" (483)	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)	
<b>GRILLE</b>	<b>W</b>	<b>H</b>	
Flush Inset Panel	36 <sup>1</sup> / <sub>2</sub> " (927)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)	
<b>BI-36UG</b>	<b>W</b>	<b>H</b>	
Window Cut-Out	25" (635)	39 <sup>5</sup> / <sub>8</sub> " (1006)	
	<b>A</b>	<b>B</b>	
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)	

Grille panel dimensions listed are for standard 84" (2134) nominal finished height. For 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For 88" (2235) finished height, add 4" (102) to grille panel. Width dimensions do not vary.

## Dual Installation

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## Dual Installation—Flush Inset Panels

When installing two built-in models side by side in a flush inset application, you must decrease the width of the decorative flush inset panels by  $\frac{1}{2}$ " (13). Adjustments to the panel offsets will also need to be made. These adjustments are needed to achieve a proper fit and to ensure the panels do not collide when closing. Panel dimensions in the chart below have been adjusted to reflect the decrease in panel dimensions.

**IMPORTANT NOTE:** If a filler strip is not used, dual installations can only be accomplished using two units with opposite hinges.

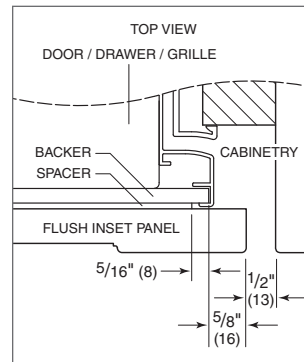
Illustrations A–F provide panel offsets and reveals for all built-in models in a flush inset application. Refer to the chart below for reference to the illustrations relating to your specific model. All reveals are  $\frac{1}{2}$ " (13) unless otherwise specified.

For additional information on model specific panel reveals, visit the specification library section of our website, [subzerotrade.com](http://subzerotrade.com).

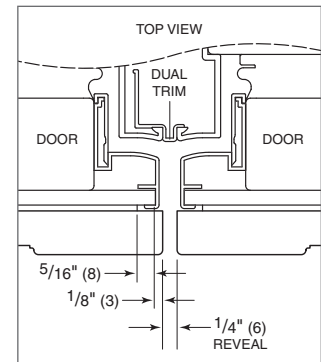
Panel Offsets	Illus.
<b>ALL REFRIGERATOR / ALL FREEZER</b>	
Doors (hinge) / Grille Sides	<b>A</b>
Doors (handle) Sides	<b>B</b>
Grille Top	<b>C</b>
Grille Bottom / Door Top	<b>D</b>
Door Bottom	<b>F</b>
<b>OVER-AND-UNDER</b>	
Doors (hinge) / Drawer / Grille Sides	<b>A</b>
Doors (handle) Sides	<b>B</b>
Grille Top	<b>C</b>
Grille Bottom / Door Top	<b>D</b>
Door Bottom / Drawer Top	<b>E</b>
Drawer Bottom	<b>F</b>

**⚠ CAUTION**

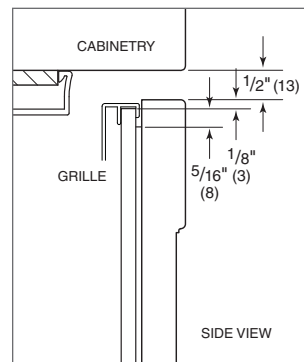
Do not exceed the flush inset decorative panel dimensions. Exceeding dimensions could cause damage to the panels and the Sub-Zero unit.



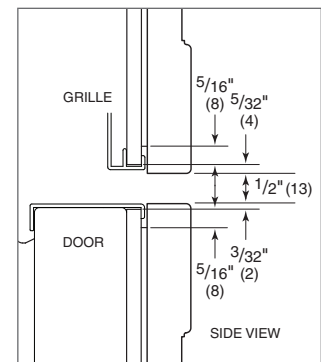
Illus. A



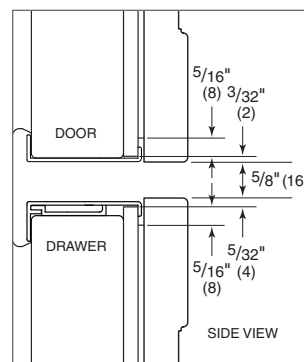
Illus. B



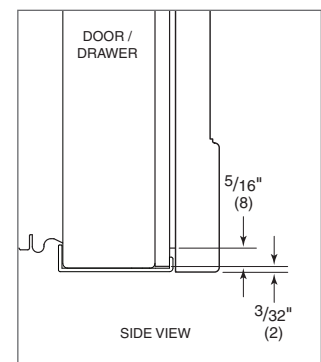
Illus. C



Illus. D



Illus. E



Illus. F



## SUB-ZERO DESIGN GUIDE



**SUB-ZERO**





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**IMPORTANT NOTE:** Throughout this guide, dimensions may vary by  $\pm 1/8"$  (3).

Features and specifications are subject to change at any time without notice. Visit [subzero.com/specs](http://subzero.com/specs) for the most up-to-date information.

Throughout this guide, dimensions in parentheses are millimeters unless otherwise specified.

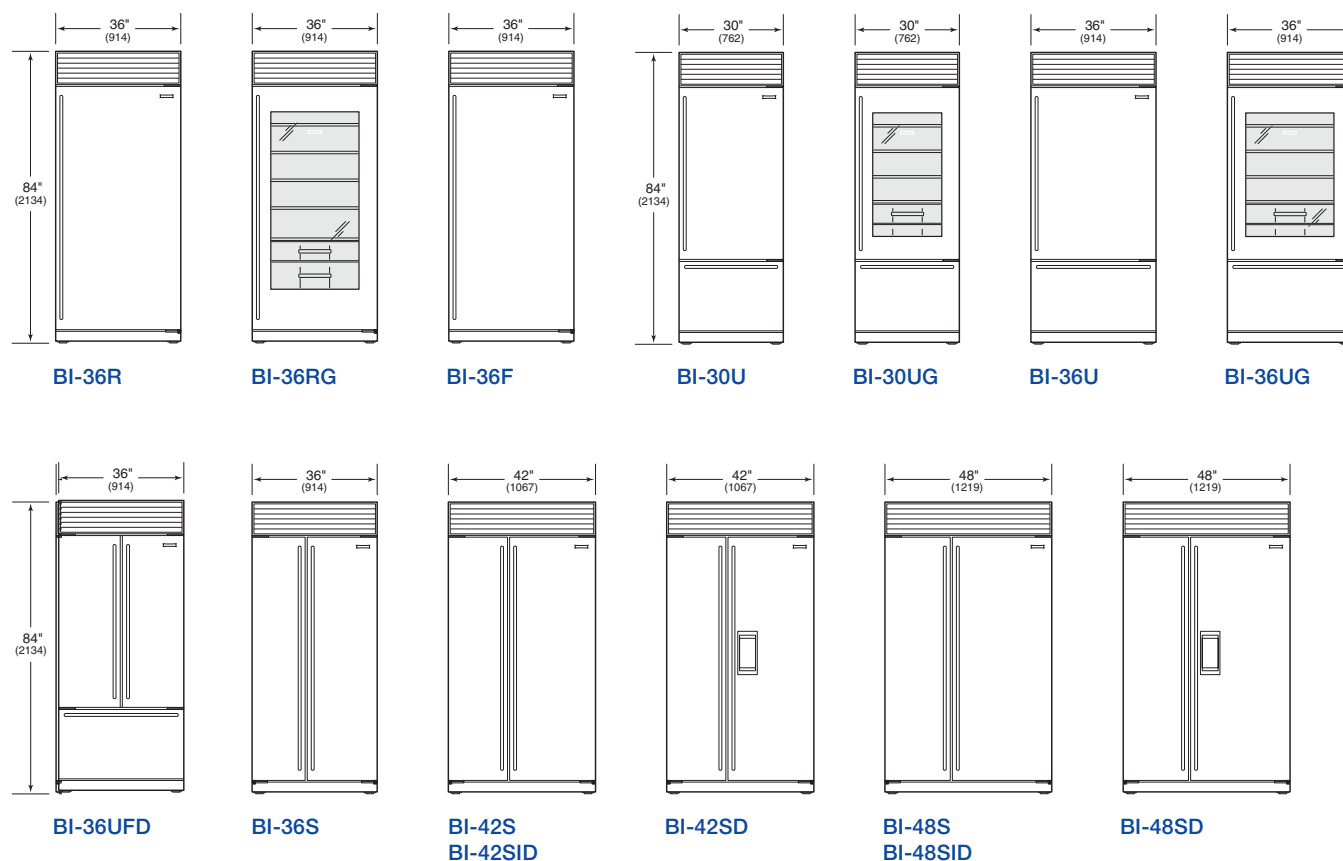
## Built-In Refrigeration

3

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**Built-In Refrigeration.** For the built-in line, Sub-Zero designers and engineers took a fresh look at everything, inside and out. Exterior refinements include redesigned grilles and lower-profile hinges. Inside, new technology in food preservation makes the built-in line nothing short of revolutionary.

## BUILT-IN MODELS



## KEY FEATURES

- Four distinct design approaches: framed, overlay, flush inset and stainless steel.
- Handle options coordinate with handles of Wolf cooking products.
- Dual refrigeration; two compressors preserve food's goodness in two sealed compartments.
- Energy efficient; many models are ENERGY STAR® qualified.
- Advanced water filtration and air purification systems.
- **NEW!** French door model requires less space for door clearance to accommodate virtually any-size kitchen.
- **NEW!** Internal dispenser models provide ice and chilled water inside the refrigerator.
- Crisper and deli drawers form a lower-temperature zone for produce and meats.
- Flip-up grille provides easy access for quick routine maintenance.
- All models are Star-K certified.

## Built-In Refrigeration

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**Built-In Design Options.** A design classic is now even better. Four distinct design approaches provide limitless flexibility for creating a beautiful kitchen. Lower-profile hinges enable the built-in units to blend more seamlessly with surrounding cabinetry.



**Framed.** Custom cabinetry panels slide into the door to blend into the kitchen design. Shown with full-length handle and louvered grille option for the traditional Sub-Zero look.



**Overlay.** Custom cabinet overlay panels can be combined with unique hardware for design flexibility. Shown with pro handle option to complement Wolf ranges.



## Built-In Refrigeration

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**Flush Inset.** This design option allows for a flush door and grille. Stainless steel panels are available as sales accessories. Shown with tubular handle option to mirror Wolf built-in ovens.



**Stainless Steel.** For a professional look, this design requires no customization. To complement the look of Wolf ranges, choose the pro handle option shown here.

BUILT-IN

PRO 48

INTEGRATED

WINE STORAGE

UNDERCOUNTER

## Built-In Refrigeration

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## Built-In Models

## SPECIFICATIONS

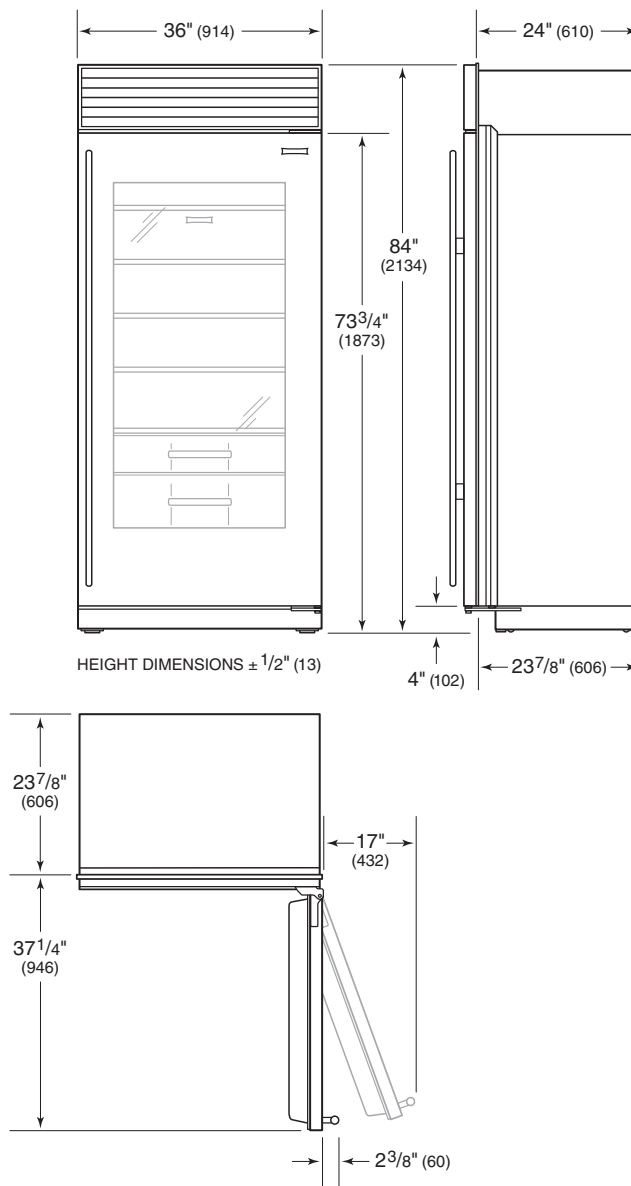
Interior Capacity	R cu ft (L)	F cu ft (L)
<b>ALL REFRIGERATOR / ALL FREEZER MODELS</b>		
BI-36R	23.5 (665)	
BI-36RG	23.4 (663)	
BI-36F		22.7 (643)
<b>OVER-AND-UNDER MODELS</b>		
BI-30U	13.2 (374)	4.2 (119)
BI-30UG	13.1 (371)	4.2 (119)
BI-36U	16.4 (464)	5.3 (150)
BI-36UG	16.3 (462)	5.3 (150)
BI-36UFD	15.7 (445)	5.3 (150)
<b>SIDE-BY-SIDE MODELS</b>		
BI-36S	12.4 (351)	8.2 (232)
BI-42S	16.3 (462)	8.0 (227)
BI-42SID	15.8 (447)	7.9 (224)
BI-42SD	16.0 (453)	7.9 (224)
BI-48S	19.1 (541)	9.8 (278)
BI-48SID	18.6 (527)	9.6 (272)
BI-48SD	18.8 (532)	9.6 (272)

Shipping Weight	lbs (kg)
<b>ALL REFRIGERATOR / ALL FREEZER MODELS</b>	
BI-36R	420 (191)
BI-36RG	430 (195)
BI-36F	406 (184)
<b>OVER-AND-UNDER MODELS</b>	
BI-30U	462 (210)
BI-30UG	476 (216)
BI-36U	515 (234)
BI-36UG	529 (240)
BI-36UFD	529 (240)
<b>SIDE-BY-SIDE MODELS</b>	
BI-36S	538 (244)
BI-42S	582 (264)
BI-42SID	608 (276)
BI-42SD	608 (276)
BI-48S	630 (286)
BI-48SID	656 (298)
BI-48SD	656 (298)

## All Refrigerator / All Freezer Models

## OVERALL DIMENSIONS



## MODELS BI-36R, BI-36RG AND BI-36F

Shipping weights and overall dimensions are based on stainless steel models. For flush inset applications, add 1/2" (13) to door clearance dimensions.

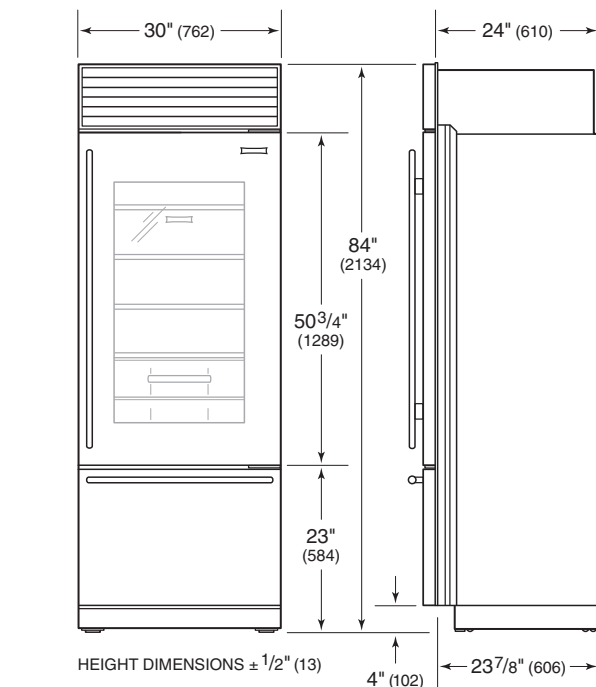
## Built-In Refrigeration

7

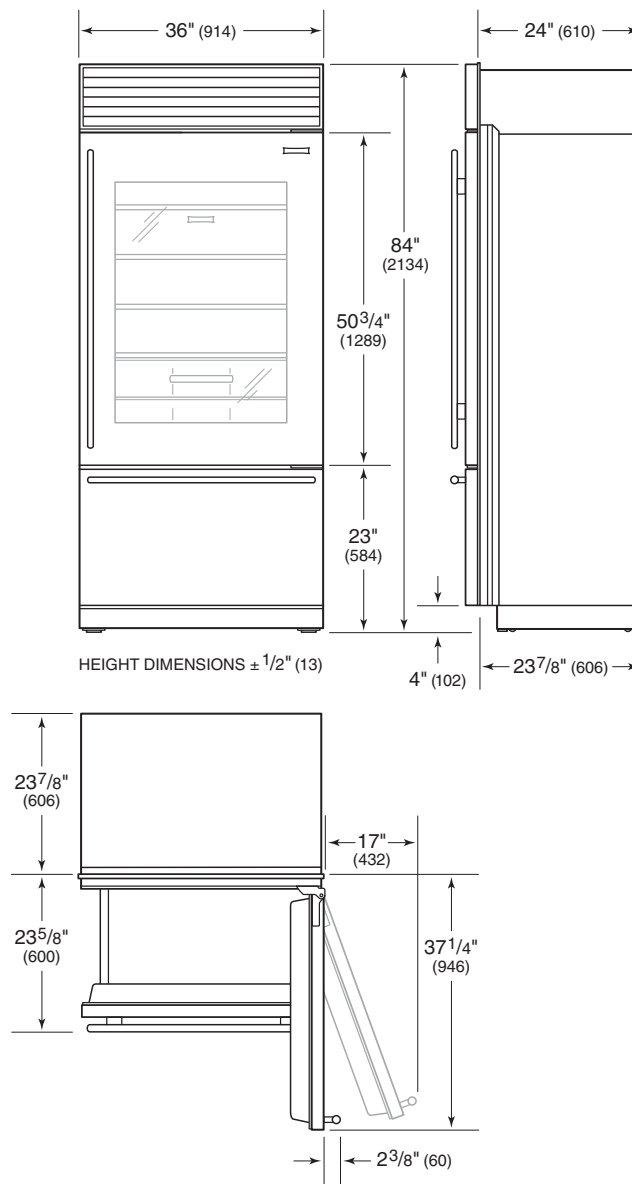
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## Over-and-Under Models

## OVERALL DIMENSIONS



MODELS BI-30U AND BI-30UG



MODELS BI-36U AND BI-36UG

BUILT-IN

PRO 48

INTEGRATED

WINE STORAGE

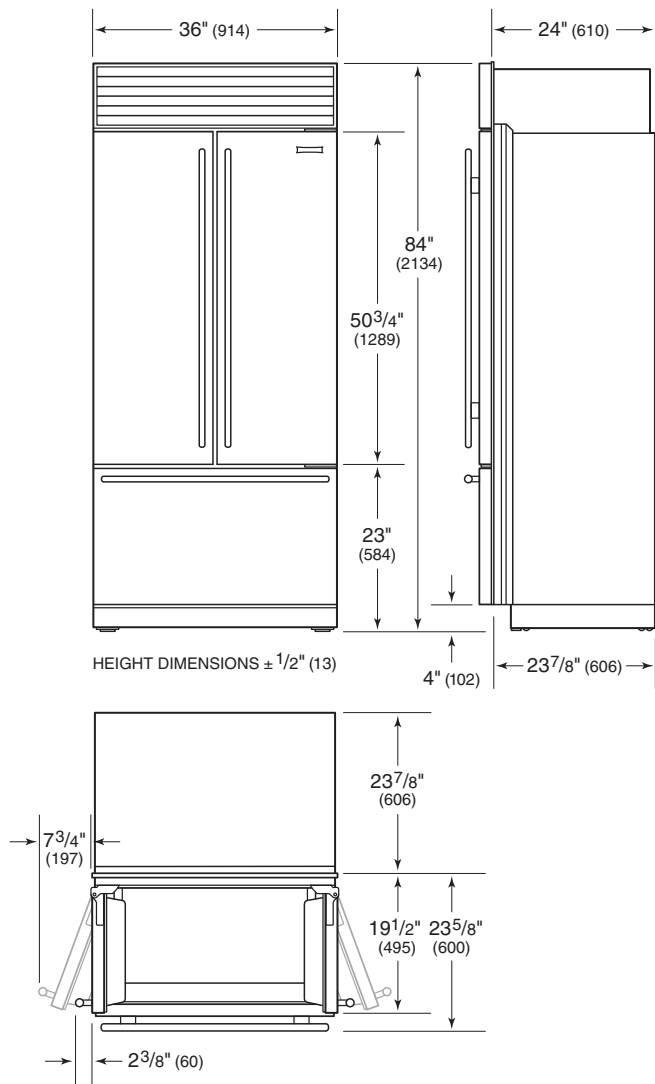
UNDERCOUNTER

## Built-In Refrigeration

8

## Over-and-Under Models

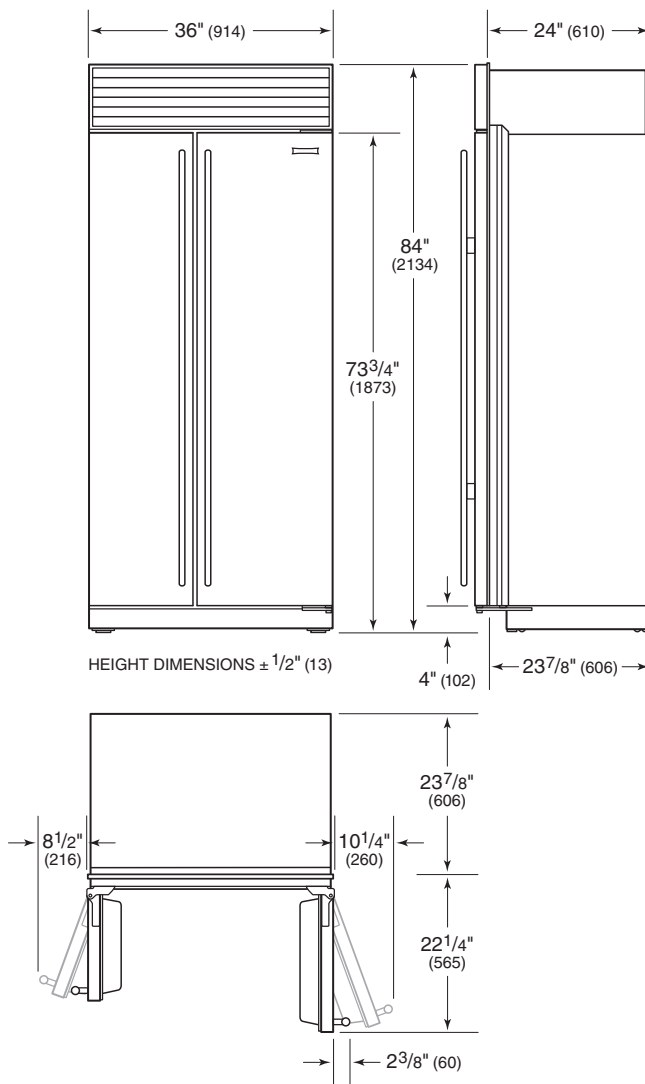
## OVERALL DIMENSIONS



## MODEL BI-36UFD

## Side-by-Side Models

## OVERALL DIMENSIONS



## MODEL BI-36S

Overall dimensions are based on stainless steel models.



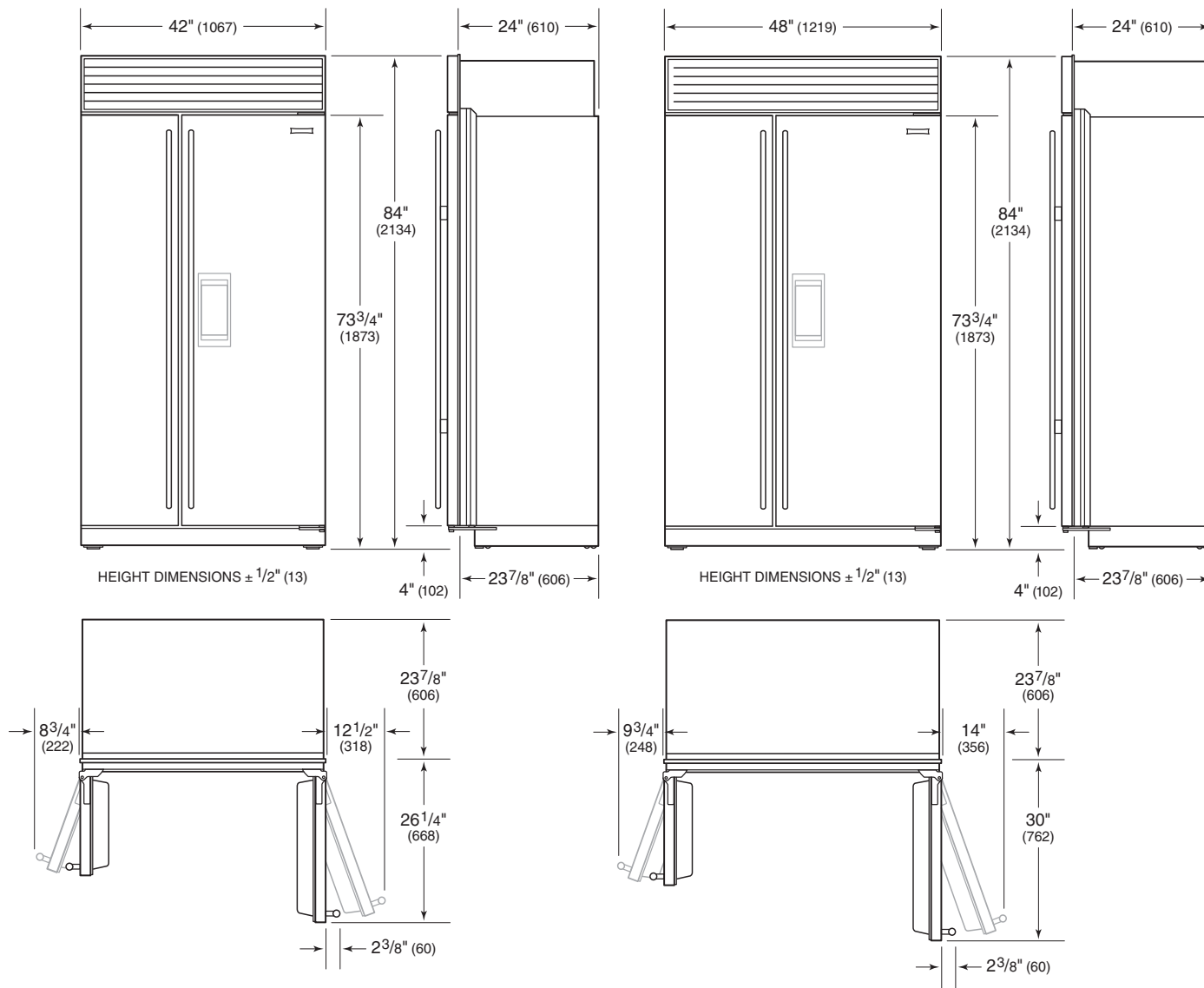
## Built-In Refrigeration

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## Side-by-Side Models

## OVERALL DIMENSIONS



MODELS BI-42S, BI-42SID AND BI-42SD

MODELS BI-48S, BI-48SID AND BI-48SD

BUILT-IN

PRO 48

INTEGRATED

WINE STORAGE

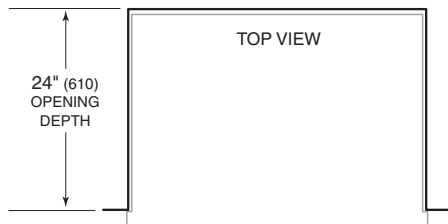
UNDERCOUNTER

## Built-In Refrigeration

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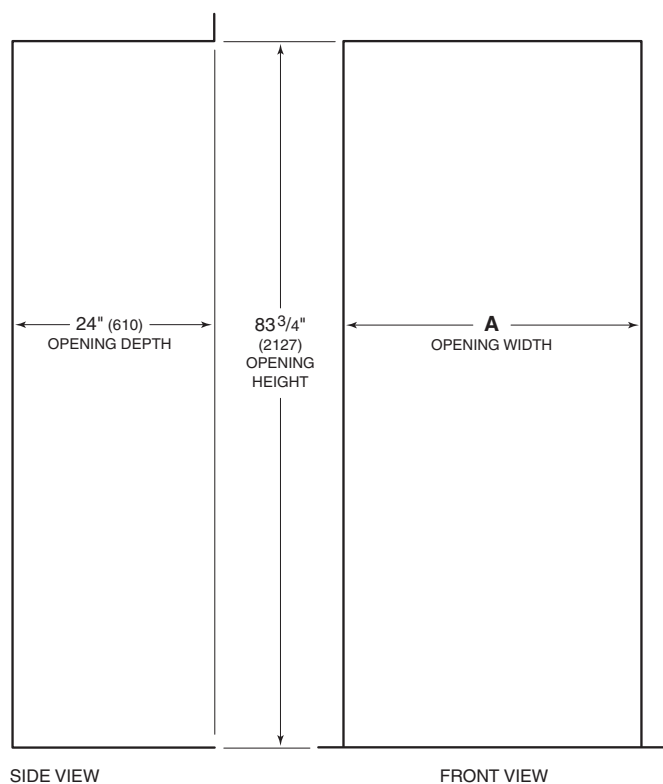
## Built-In Models

## STANDARD INSTALLATION



**IMPORTANT NOTE:** If an 83" (2108) grille height is specified, the opening height must be decreased by  $\frac{7}{8}$ " (22). If an 88" (2235) grille height is specified, the opening height increases by 4" (102).

If two units are installed side by side, refer to pages 30–31 for dual standard installations.



Opening Width	A
BI-36R, BI-36RG and BI-36F	35 $\frac{1}{2}$ " (902)
BI-30U and BI-30UG	29 $\frac{1}{2}$ " (746)
BI-36U, BI-36UG and BI-36UFD	35 $\frac{1}{2}$ " (902)
BI-36S	35 $\frac{1}{2}$ " (902)
BI-42S, BI-42SID and BI-42SD	41 $\frac{1}{2}$ " (1054)
BI-48S, BI-48SID and BI-48SD	47 $\frac{1}{2}$ " (1206)

## Built-In Refrigeration

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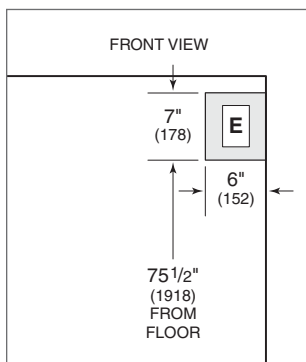
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## Planning Information

## ELECTRICAL REQUIREMENTS

For all built-in models, the electrical supply should be located within the shaded area shown in the illustration. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit servicing only this appliance is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type



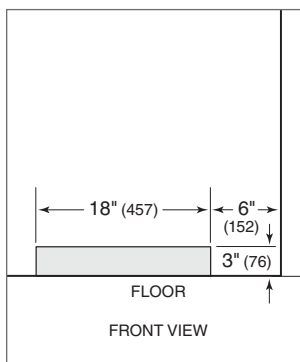
Location of electrical supply.

## PLUMBING REQUIREMENTS

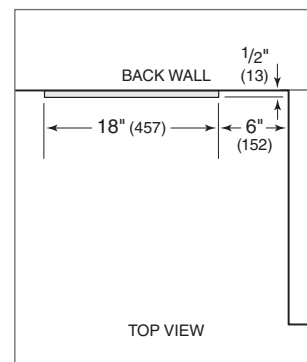
All built-in models with an automatic ice maker feature a water filtration system. The water supply line should be located within the shaded area shown in the illustrations. The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer. The water line must not interfere with installation of the anti-tip brackets.

**IMPORTANT NOTE:** A reverse osmosis system can be used provided there is constant water pressure of 35 psi (2.4 bar) to 120 psi (8.3 bar) supplied to the unit at all times. In this application, the water filtration system must be set to bypass mode. This is achieved by removing the water filter cartridge. Refer to the built-in installation guide packed with the unit for detailed instructions. A copper line is not recommended for this application.

Plumbing Requirements	
Water Supply Line	1/4" OD copper, braided stainless steel or PEX tubing
Water Pressure	35–120 psi (2.4–8.3 bar)
Excess Water Line for Connection	36" (914)



Location of water supply—rear.



Location of water supply—bottom.

## Built-In Refrigeration

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Custom cabinetry panels slide into the door to blend into the kitchen design. Shown with full-length handle and louvered grille option for the traditional Sub-Zero look.

**Framed Panel Requirements****MAX WEIGHT PER PANEL**

BI-36R, BI-36RG and BI-36F

75 lbs (34 kg)

All Other Framed Panels

50 lbs (23 kg)

**MIN PANEL THICKNESS**

All Framed Panels

1/4" (6)

**Framed Application**

**IMPORTANT NOTE:** The framed application is not a separate model. This is an overlay unit in a framed application.

The framed panel design option is available for all built-in overlay models. You must specify panels, full-length handles and a framed grille insert to achieve the traditional framed look. For exact door panel dimensions refer to framed panel specifications on the following pages. Also refer to the full-scale templates at the end of this section for additional panel and handle considerations.

Optional extended full-length handles that provide additional finger clearance for raised panels are available through your authorized Sub-Zero dealer.

## Built-In Refrigeration

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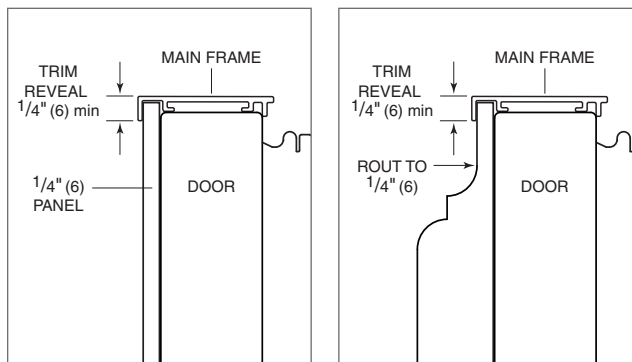
### Framed Panels

If the thickness of the custom panels is less than  $\frac{1}{4}"$  (6), they must be backed up with a sheet of shim material to build the total thickness to  $\frac{1}{4}"$  (6). If the panel is thicker than  $\frac{1}{4}"$  (6), a routed edge must be provided around the panel to ensure a proper fit. Refer to the illustrations.

**IMPORTANT NOTE:** For framed design applications, routing, recessing or optional extended handles may be required on raised panels for finger clearance under the handle. Refer to the full-scale templates at the end of this section.

**IMPORTANT NOTE:** Do not cover a glass door with a solid panel. Also, the edges of the window cut-out will need to be finished, as they will be exposed.

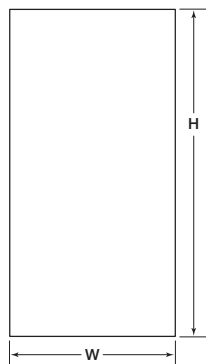
**IMPORTANT NOTE:** When installing two units in a side-by-side application, refer to pages 30–31 for dual standard installations. Be aware that rough opening dimensions are different for this application.

Panels  $\frac{1}{4}"$  (6) thick or less.Panels thicker than  $\frac{1}{4}"$  (6).

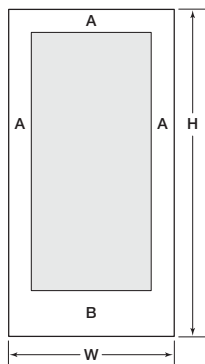
## Built-In Refrigeration

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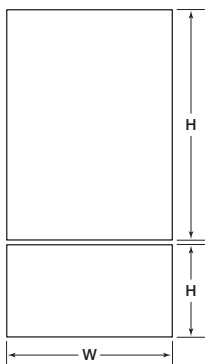
## Framed Panels



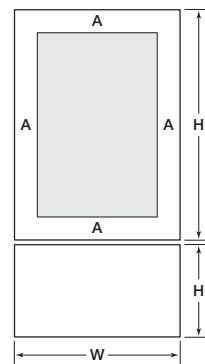
BI-36R / BI-36F



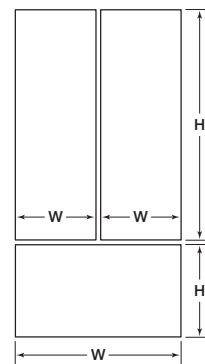
BI-36RG



BI-30U / BI-36U



BI-30UG / BI-36UG



BI-36UFD

## Models BI-36R, BI-36RG and BI-36F

REFRIGERATOR/FREEZER	W	H
Door Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)
BI-36RG	W	H
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	54 <sup>1</sup> / <sub>16</sub> " (1373)
Cut-Out Location	A	B
	5 <sup>3</sup> / <sub>16</sub> " (132)	10 <sup>5</sup> / <sub>16</sub> " (262)

## Models BI-30U and BI-30UG

REFRIGERATOR	W	H
Door Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER	W	H
Drawer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)
BI-30UG	W	H
Window Cut-Out	19 <sup>1</sup> / <sub>2</sub> " (495)	39 <sup>11</sup> / <sub>16</sub> " (1008)
Cut-Out Location		A 5 <sup>3</sup> / <sub>16</sub> " (132)

## Models BI-36U and BI-36UG

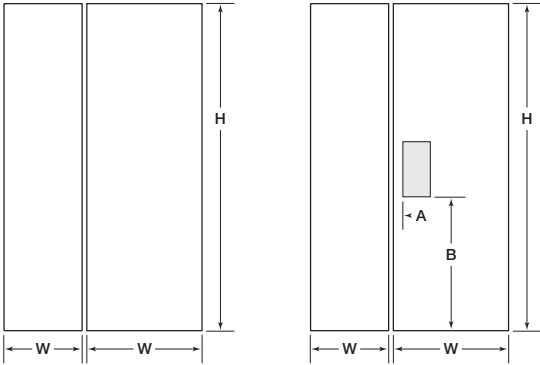
REFRIGERATOR	W	H
Door Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER	W	H
Drawer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)
BI-36UG	W	H
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	39 <sup>11</sup> / <sub>16</sub> " (1008)
Cut-Out Location		A
		5 <sup>3</sup> / <sub>16</sub> " (132)

## Model BI-36UFD

REFRIGERATOR (2 PANELS)	W	H
Door Panels	17 <sup>5</sup> / <sub>8</sub> " (448)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER	W	H
Drawer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)

Built-In Refrigeration

Framed Panels



BI-36S / BI-42S / BI-42SID    BI-42SD / BI-48SD  
BI-48S / BI-48SID

Model BI-36S			
REFRIGERATOR	W	H	
Door Panel	19 <sup>13</sup> / <sub>16</sub> " (503)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Door Panel	15 <sup>7</sup> / <sub>16</sub> " (392)	69 <sup>9</sup> / <sub>16</sub> " (1767)	

Models BI-42S, BI-42SID and BI-42SD			
REFRIGERATOR	W	H	
Door Panel	24 <sup>13</sup> / <sub>16</sub> " (630)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Door Panel	16 <sup>7</sup> / <sub>16</sub> " (418)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
BI-42SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	1 <sup>7</sup> / <sub>8</sub> " (48)	28 <sup>3</sup> / <sub>4</sub> " (730)	

Models BI-48S, BI-48SID and BI-48SD			
REFRIGERATOR	W	H	
Door Panel	28 <sup>1</sup> / <sub>2</sub> " (724)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Door Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
BI-48SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
	A	B	
Cut-Out Location	1 <sup>7</sup> / <sub>8</sub> " (48)	28 <sup>3</sup> / <sub>4</sub> " (730)	

For models BI-42SD and BI-48SD, panel thickness in the dispenser area can range from 1/4" (6) to a maximum of 1 1/8" (29). If the panel is thicker, you must rout out a minimum 1/4" (6) flat landing area to accommodate the glasswell bezel.

## Built-In Refrigeration

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## Framed Application

## OPTIONAL GRILLE PANEL

A panel grille, providing an 84" (2134) finished height, is standard on overlay models. Optional panel grilles are available for 83" (2108) and 88" (2235) finished heights.

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions.

Optional Grille Panel	W	H
30" (762) Models	29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)
36" (914) Models	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)
42" (1067) Models	41 <sup>3</sup> / <sub>4</sub> " (1060)	8 <sup>15</sup> / <sub>16</sub> " (227)
48" (1219) Models	47 <sup>3</sup> / <sub>4</sub> " (1213)	8 <sup>15</sup> / <sub>16</sub> " (227)

Grille Panel Requirements	
<b>MAX WEIGHT</b>	
Grille Panel	13 lbs (6 kg)
<b>MIN PANEL THICKNESS</b>	
Grille Panel	1/4" (6)



Optional grille panel.

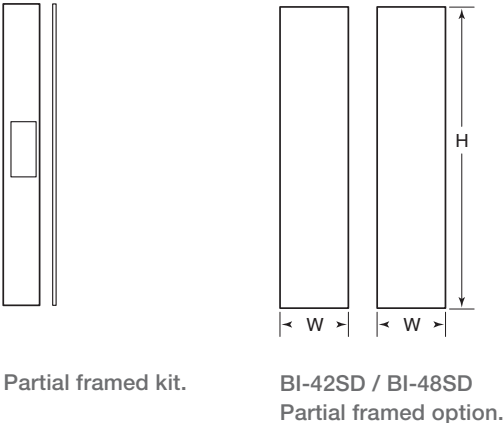


Framed Application

PARTIAL FRAMED OPTION

If you choose not to use custom panels above and below the glasswell for dispenser model BI-42SD or BI-48SD, a stainless steel insert panel is available as a sales accessory. This accessory kit includes partial framed molding and stainless steel panel to provide a spill-resistant finish above and below the glasswell on the refrigerator door only. The partial framed accessory kit is available through your authorized Sub-Zero dealer. Refer to panel dimensions for the partial framed option below.

Optional Partial Framed Panels			
BI-42SD		W	H
Refrigerator Panel	15 <sup>1</sup> / <sub>16</sub> " (383)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
Freezer Panel	16 <sup>7</sup> / <sub>16</sub> " (418)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
BI-48SD		W	H
Refrigerator Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
Freezer Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	



## Built-In Refrigeration

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Custom cabinet overlay panels can be combined with unique hardware for design flexibility. Shown with pro handle option to complement Wolf ranges and rangetops.

#### Overlay Panel Requirements

##### MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Overlay Models	50 lbs (23 kg)
Grille Panel	13 lbs (6 kg)

##### MIN PANEL THICKNESS

All Overlay Panels	5/8" (16)
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## Overlay Panels

If you and your client have ordered an overlay model, you will be adding panels and handles to give the unit a more custom look. The overlay panel design option is available for all built-in overlay models. For exact door panel dimensions, refer to overlay panel specifications on the following pages.

**IMPORTANT NOTE:** Overlay models can be used in an overlay or a flush inset application. Be aware that the application specified will affect panel sizes, rough opening dimensions and installation.

The overlay design allows decorative panels to cover the door trim for a more seamless appearance that blends with the design of the room. The most common way to achieve this look is to work with three panels—the decorative overlay panel, which is typically  $\frac{3}{4}$ " (19), a .10" (3) spacer panel and a  $\frac{1}{4}$ " (6) backer panel. Depending on your cabinet manufacturer, this could also be one panel routed for different dimensions.

Regardless of the physical construction of the panels (three-panel assembly or routed panel), you will need to follow the overlay panel specifications on the following pages for exact sizing and panel placement to ensure a proper fit.

## Built-In Refrigeration

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### Overlay Panels

The illustrations provide a cross section view of the three-panel assembly, showing placement of the trim and a rear view of the three-panel assembly with critical dimensions, standard for all built-in models.

A Sub-Zero custom panel mounting kit eliminates the need for a backer and spacer panel and is available through your authorized Sub-Zero dealer. The kit consists of mounting cleats, screws and gages used to properly position the cleats. The kit is available for all built-in models except glass door models. Dual installations require two mounting kits.

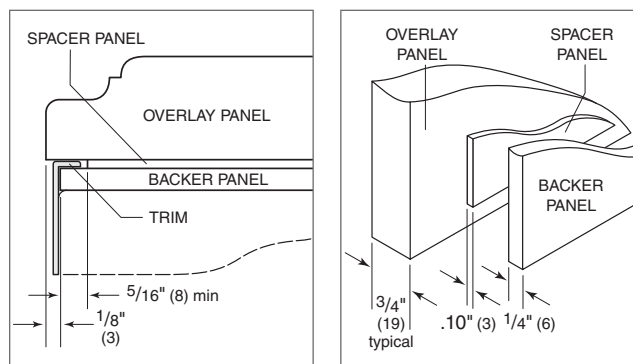
Overlay grille panels for the panel grille match the design of the overlay door panels. Dimensions for the grille panel are listed in the overlay panel specifications on the following pages.

**IMPORTANT NOTE:** On glass door models, the edges of the overlay, spacer and backer panels of the window cut-out will need to be finished, as they will be exposed.

**IMPORTANT NOTE:** When installing two units in a side-by-side application, refer to pages 30–31 for dual standard installations. Be aware that rough opening dimensions are different for this application.

#### ⚠ CAUTION

Do not exceed overlay panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

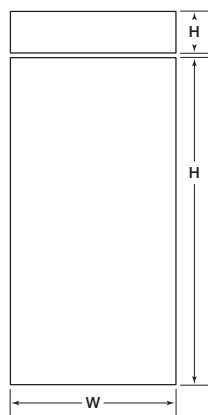


Panel assembly cross section. Panel assembly rear view.

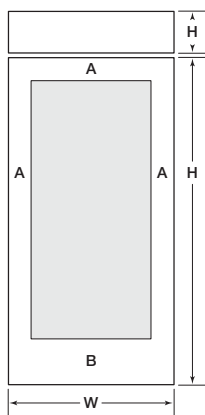
## Built-In Refrigeration

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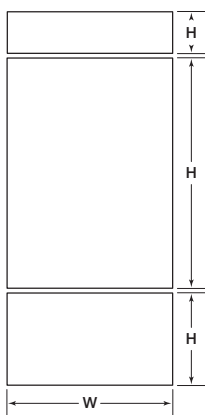
## Overlay Panels



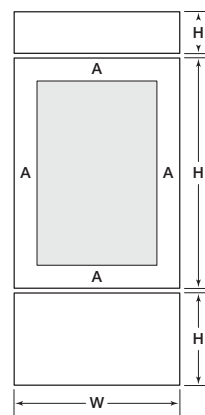
BI-36R / BI-36F



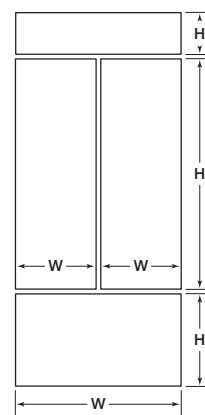
BI-36RG



BI-30U / BI-36U



BI-30UG / BI-36UG



BI-36UFD

## Models BI-36R, BI-36RG and BI-36F

REFRIGERATOR / FREEZER	W	H
Overlay Panel	36" (914)	69 <sup>3</sup> / <sub>4</sub> " (1772)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	68 <sup>15</sup> / <sub>16</sub> " (1751)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)
<b>GRILLE</b>		
Overlay Panel	36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)
<b>BI-36RG</b>		
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	54 <sup>1</sup> / <sub>8</sub> " (1375)
	A	B
Cut-Out Location	5 <sup>1</sup> / <sub>4</sub> " (133)	10 <sup>3</sup> / <sub>8</sub> " (264)

## Models BI-30U and BI-30UG

<b>REFRIGERATOR</b>		
Overlay Panel	30" (762)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)
<b>FREEZER</b>		
Overlay Panel	30" (762)	19" (483)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)
<b>GRILLE</b>		
Overlay Panel	30" (762)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)
<b>BI-30UG</b>		
Window Cut-Out	19 <sup>1</sup> / <sub>2</sub> " (495)	39 <sup>5</sup> / <sub>8</sub> " (1006)
		A
Cut-Out Location		5 <sup>1</sup> / <sub>4</sub> " (133)

## Models BI-36U and BI-36UG

<b>REFRIGERATOR</b>		
Overlay Panel	36" (914)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)
<b>FREEZER</b>		
Overlay Panel	36" (914)	19" (483)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)
<b>GRILLE</b>		
Overlay Panel	36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)
<b>BI-36UG</b>		
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	39 <sup>5</sup> / <sub>8</sub> " (1006)
		A
Cut-Out Location		5 <sup>1</sup> / <sub>4</sub> " (133)

## Model BI-36UFD

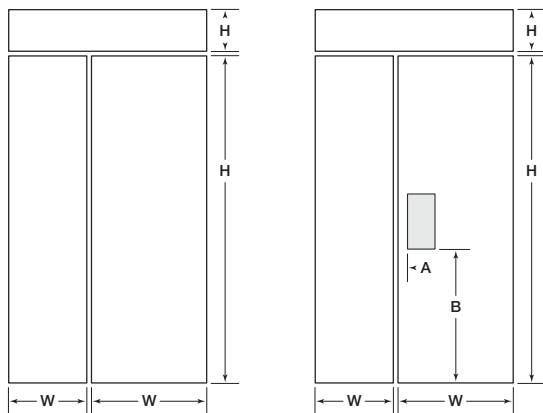
<b>REFRIGERATOR (2 PANELS)</b>		
Overlay Panels	17 <sup>7</sup> / <sub>8</sub> " (454)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panels	17" (432)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panels	17 <sup>5</sup> / <sub>8</sub> " (448)	49 <sup>15</sup> / <sub>16</sub> " (1268)
<b>FREEZER</b>		
Overlay Panel	36" (914)	19" (483)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)
<b>GRILLE</b>		
Overlay Panel	36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

## Built-In Refrigeration

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## Overlay Panels



BI-36S / BI-42S / BI-42SID BI-42SD / BI-48SD  
BI-48S / BI-48SID

Model BI-36S			
REFRIGERATOR	W	H	
Overlay Panel	20 <sup>1</sup> / <sub>16</sub> " (510)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	19 <sup>3</sup> / <sub>16</sub> " (487)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	19 <sup>13</sup> / <sub>16</sub> " (503)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Overlay Panel	15 <sup>11</sup> / <sub>16</sub> " (398)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	14 <sup>13</sup> / <sub>16</sub> " (376)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	15 <sup>7</sup> / <sub>16</sub> " (392)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Overlay Panel	36" (914)	9 <sup>1</sup> / <sub>4</sub> " (235)*	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)	

Models BI-42S, BI-42SID and BI-42SD			
REFRIGERATOR	W	H	
Overlay Panel	25 <sup>1</sup> / <sub>16</sub> " (637)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	24 <sup>3</sup> / <sub>16</sub> " (614)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	24 <sup>13</sup> / <sub>16</sub> " (630)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Overlay Panel	16 <sup>11</sup> / <sub>16</sub> " (424)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	15 <sup>13</sup> / <sub>16</sub> " (402)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	16 <sup>7</sup> / <sub>16</sub> " (418)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Overlay Panel	42" (1067)	9 <sup>1</sup> / <sub>4</sub> " (235)*	
Spacer Panel	41 <sup>1</sup> / <sub>8</sub> " (1045)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	41 <sup>3</sup> / <sub>4</sub> " (1060)	8 <sup>15</sup> / <sub>16</sub> " (227)	
BI-42SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

Models BI-48S, BI-48SID and BI-48SD			
REFRIGERATOR	W	H	
Overlay Panel	28 <sup>3</sup> / <sub>4</sub> " (730)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	27 <sup>7</sup> / <sub>8</sub> " (708)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	28 <sup>1</sup> / <sub>2</sub> " (724)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Overlay Panel	19" (483)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	18 <sup>1</sup> / <sub>8</sub> " (460)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Overlay Panel	48" (1219)	9 <sup>1</sup> / <sub>4</sub> " (235)*	
Spacer Panel	47 <sup>1</sup> / <sub>8</sub> " (1197)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	47 <sup>3</sup> / <sub>4</sub> " (1213)	8 <sup>15</sup> / <sub>16</sub> " (227)	
BI-48SD	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

\*Panel height may be increased by <sup>7</sup>/<sub>16</sub>" (11) to hide upper main frame. For more information, refer to the built-in panel configurator at [subzero.com/trade/panels](http://subzero.com/trade/panels).

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel.

## Built-In Refrigeration

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This design option allows for a flush door and grille. Stainless steel panels are available as sales accessories. Shown with tubular handle option to mirror Wolf built-in ovens.

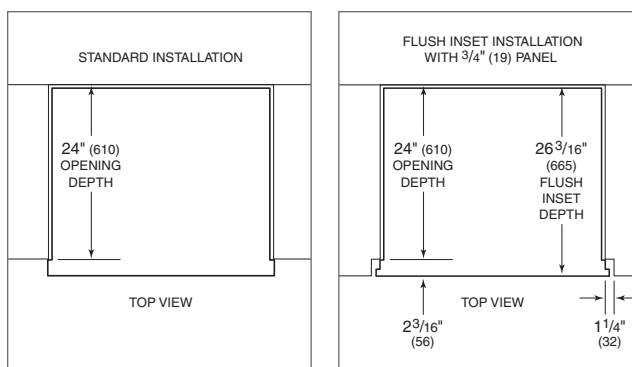
## Flush Inset Application

It is necessary to consider the following points when planning for a flush inset application:

- The flush inset depth is  $2\frac{3}{16}$ " (56) deeper than the standard opening.
- The flush inset width is  $2\frac{1}{2}$ " (64) wider than the standard opening.
- The flush inset height is  $\frac{1}{4}$ " (6) higher than the standard opening.
- Panel widths increase to achieve the flush inset look.
- You must allow a  $\frac{1}{2}$ " (13) reveal around the perimeter of the unit and grille to allow for proper door clearance and airflow.

**IMPORTANT NOTE:** The flush inset application is not a separate model. This is an overlay unit in a flush installation. The same model is used in an overlay or flush inset application.

Rough opening dimensions for the flush inset application assume the use of a  $\frac{3}{4}$ " (19) decorative panel. The illustrations below show the difference between standard and flush inset installations.



Standard installation.

Flush inset installation.

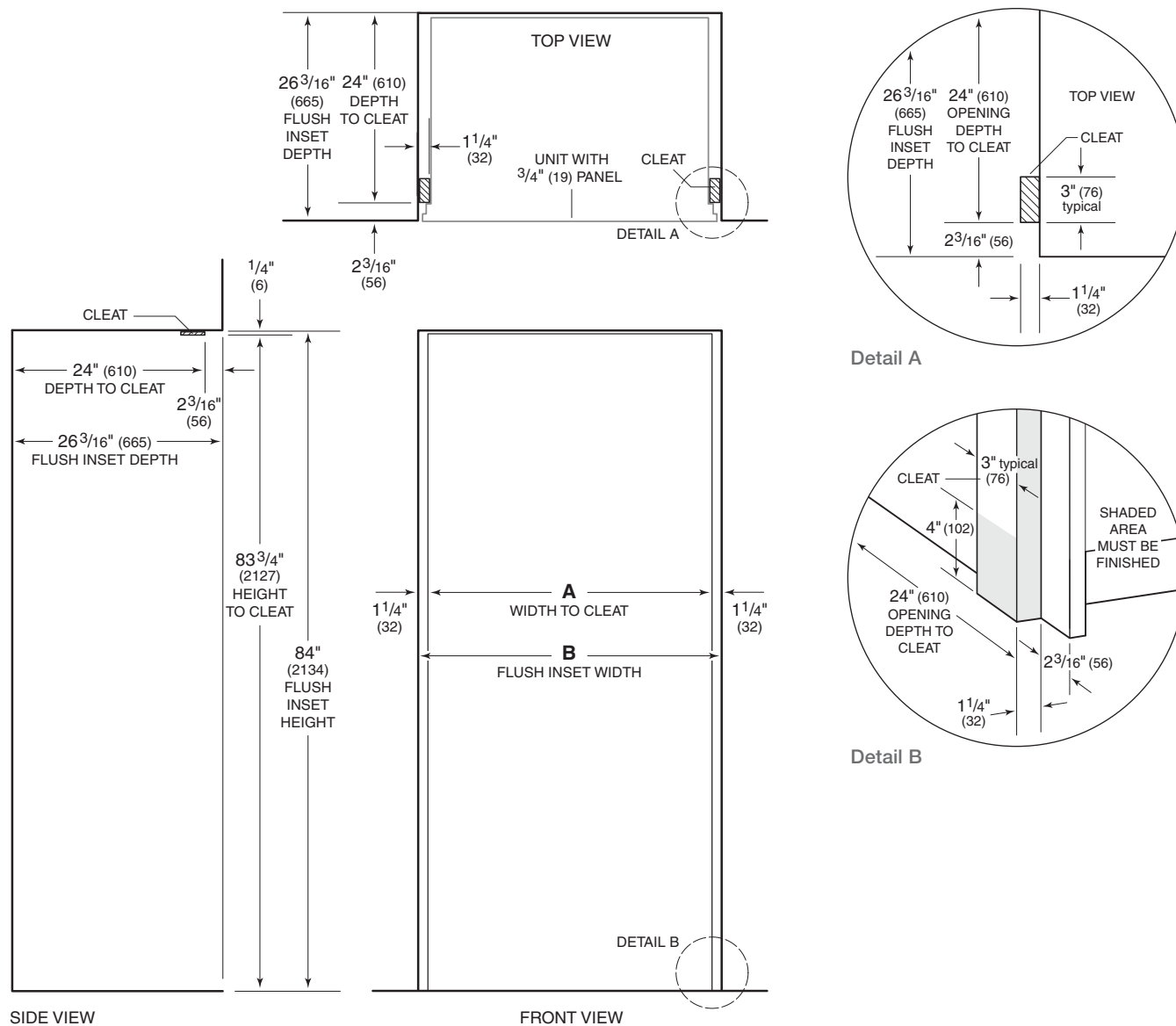
## Built-In Refrigeration

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## Built-In Models

## FLUSH INSET INSTALLATION



Flush Inset Opening Widths	A	B
BI-36R, BI-36RG and BI-36F	35 <sup>1</sup> / <sub>2</sub> " (902)	38" (965)
BI-30U and BI-30UG	29 <sup>1</sup> / <sub>2</sub> " (746)	32" (813)
BI-36U, BI-36UG and BI-36UFD	35 <sup>1</sup> / <sub>2</sub> " (902)	38" (965)
BI-36S	35 <sup>1</sup> / <sub>2</sub> " (902)	38" (965)
BI-42S, BI-42SID and BI-42SD	41 <sup>1</sup> / <sub>2</sub> " (1054)	44" (1118)
BI-48S, BI-48SID and BI-48SD	47 <sup>1</sup> / <sub>2</sub> " (1206)	50" (1270)

Dimensions assume a 3/4" (19) panel thickness.

**IMPORTANT NOTE:** If an 83" (2108) grille height is specified, the height to cleat and flush inset height must be decreased by 7/8" (22). If an 88" (2235) grille height is specified, the height to cleat and flush inset height increases by 4" (102).

If two units are installed side by side, refer to pages 32–36 for dual flush inset installations.

## Built-In Refrigeration

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### Flush Inset Panels

The flush inset application allows decorative panels on the front of the unit to be flush with surrounding cabinetry and is available for all built-in overlay models. For exact panel dimensions, refer to flush inset panel specifications on the following pages.

The flush inset design allows decorative panels to cover the door trim for a seamless appearance that blends with the design of the room. The most common way to achieve this look is to work with three panels—the decorative flush inset panel, which is typically  $\frac{3}{4}$ " (19), a .10" (3) spacer panel and a  $\frac{1}{4}$ " (6) backer panel. Depending on your cabinet manufacturer, this could also be one panel routed for different dimensions.

A Sub-Zero custom panel mounting kit eliminates the need for a backer and spacer panel and is available through your authorized Sub-Zero dealer. The kit consists of mounting cleats, screws and gages used to properly position the cleats. The kit is available for all built-in models except glass door models. Dual installations require two mounting kits.

Regardless of the physical construction of the panels (three-panel assembly or routed panel), you will need to follow the flush inset panel specifications on the following pages for exact sizing and panel placement to ensure a proper fit.

#### ⚠ CAUTION

Do not exceed flush inset panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

#### Flush Inset Panel Requirements

##### MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Flush Inset Models	50 lbs (23 kg)
Grille Panel	13 lbs (6 kg)

##### MIN PANEL THICKNESS

All Flush Inset Panels	$\frac{5}{8}$ " (16)
------------------------	----------------------

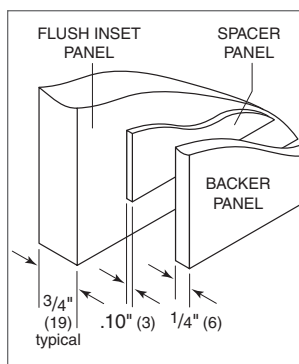
The illustration below provides a rear view of the three-panel assembly with critical dimensions, standard for all built-in models.

**IMPORTANT NOTE:** The inside edges of the rough opening as well as the sides and a portion of the back side of the decorative panels will need to be finished, as they will be exposed when the doors are open.

**IMPORTANT NOTE:** On glass door models, the edges of the overlay, spacer and backer panels of the window cut-out will need to be finished, as they will be exposed.

**IMPORTANT NOTE:** For flush inset panels thicker than  $\frac{3}{4}$ " (19), a 90° door stop may be required to prevent interference with adjacent cabinets. Refer to the full-scale templates at the end of this section.

**IMPORTANT NOTE:** When installing two units side by side in a flush inset application, refer to pages 32–36 for dual flush inset installations. Be aware that rough opening dimensions, panel sizes and offsets are different for this application.



Three-panel assembly.



## Built-In Refrigeration

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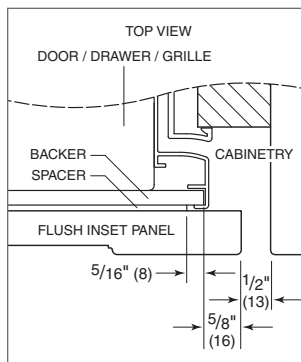
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## Flush Inset Panels

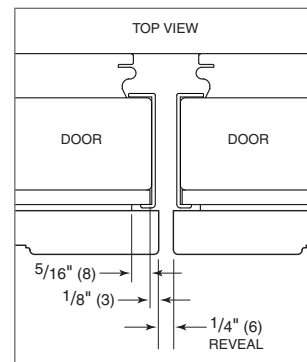
## PANEL OFFSETS

Illustrations A–F provide panel offsets and reveals for all built-in models in a flush inset application. Refer to the chart below for reference to the illustrations relating to your specific model.

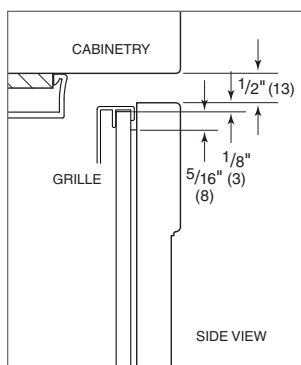
Panel Offsets	Illus.
<b>ALL REFRIGERATOR / ALL FREEZER</b>	
Door / Grille Sides	A
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom	F
<b>OVER-AND-UNDER</b>	
Door / Drawer / Grille Sides	A
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom / Drawer Top	E
Drawer Bottom	F
<b>SIDE-BY-SIDE</b>	
Doors (hinge) / Grille Sides	A
Doors (handle) Sides	B
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom	F



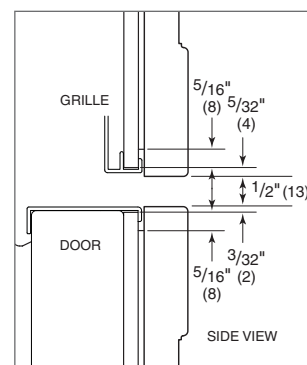
Illus. A



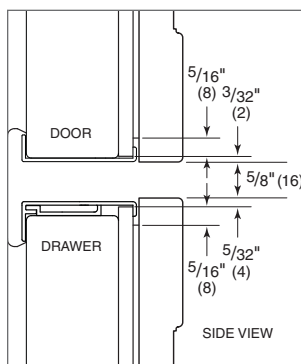
Illus. B



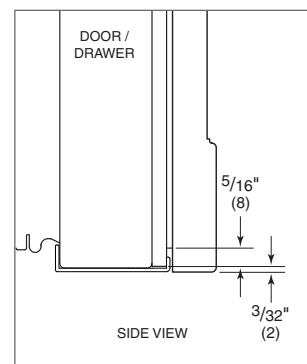
Illus. C



Illus. D



Illus. E

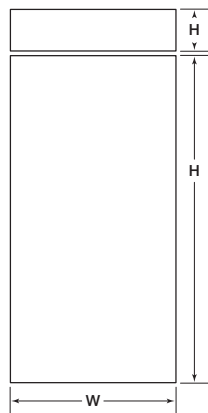


Illus. F

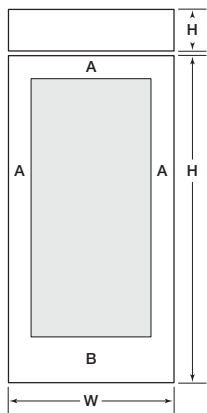
## Built-In Refrigeration

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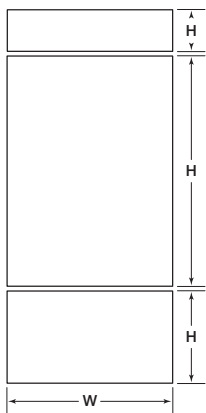
## Flush Inset Panels



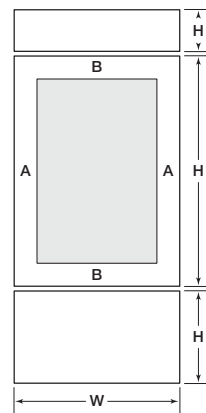
BI-36R / BI-36F



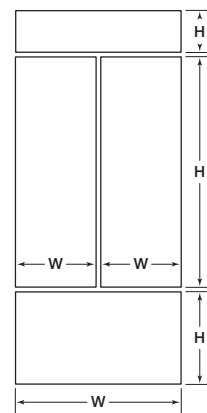
BI-36RG



BI-30U / BI-36U



BI-30UG / BI-36UG



BI-36UFD

## Models BI-36R, BI-36RG and BI-36F

REFRIGERATOR / FREEZER	W	H
Flush Inset Panel	37" (940)	69 <sup>3</sup> / <sub>4</sub> " (1772)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	68 <sup>15</sup> / <sub>16</sub> " (1751)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)

GRILLE	W	H
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

BI-36RG	W	H
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	54 <sup>1</sup> / <sub>8</sub> " (1375)
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	10 <sup>3</sup> / <sub>8</sub> " (264)

## Models BI-30U and BI-30UG

REFRIGERATOR	W	H
Flush Inset Panel	31" (787)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)

FREEZER	W	H
Flush Inset Panel	31" (787)	19" (483)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)

GRILLE	W	H
Flush Inset Panel	31" (787)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)

BI-30UG	W	H
Window Cut-Out	19 <sup>1</sup> / <sub>2</sub> " (495)	39 <sup>5</sup> / <sub>8</sub> " (1006)
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)

## Models BI-36U and BI-36UG

REFRIGERATOR	W	H
Flush Inset Panel	37" (940)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)

FREEZER	W	H
Flush Inset Panel	37" (940)	19" (483)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)

GRILLE	W	H
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

BI-36UG	W	H
Window Cut-Out	25 <sup>1</sup> / <sub>2</sub> " (648)	39 <sup>5</sup> / <sub>8</sub> " (1006)
Cut-Out Location	5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)

## Model BI-36UFD

REFRIGERATOR (2 PANELS)	W	H
Flush Inset Panels	18 <sup>3</sup> / <sub>8</sub> " (467)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panels	17" (432)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panels	17 <sup>5</sup> / <sub>8</sub> " (448)	49 <sup>15</sup> / <sub>16</sub> " (1268)

FREEZER	W	H
Flush Inset Panel	37" (940)	19" (483)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)

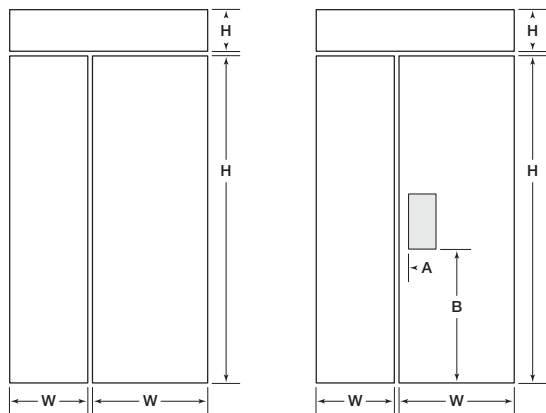
GRILLE	W	H
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)

## Built-In Refrigeration

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## Flush Inset Panels



BI-36S / BI-42S / BI-42SID BI-42SD / BI-48SD  
BI-48S / BI-48SID

Model BI-36S			
REFRIGERATOR	W	H	
Flush Inset Panel	20 <sup>9</sup> / <sub>16</sub> " (522)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	19 <sup>3</sup> / <sub>16</sub> " (487)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	19 <sup>13</sup> / <sub>16</sub> " (503)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Flush Inset Panel	16 <sup>3</sup> / <sub>16</sub> " (411)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	14 <sup>13</sup> / <sub>16</sub> " (376)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	15 <sup>7</sup> / <sub>16</sub> " (392)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Flush Inset Panel	37" (940)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)	

Models BI-42S, BI-42SID and BI-42SD			
REFRIGERATOR	W	H	
Flush Inset Panel	25 <sup>9</sup> / <sub>16</sub> " (649)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	24 <sup>3</sup> / <sub>16</sub> " (614)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	24 <sup>13</sup> / <sub>16</sub> " (630)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Flush Inset Panel	17 <sup>3</sup> / <sub>16</sub> " (437)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	15 <sup>13</sup> / <sub>16</sub> " (402)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	16 <sup>7</sup> / <sub>16</sub> " (418)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Flush Inset Panel	43" (1092)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	41 <sup>1</sup> / <sub>8</sub> " (1045)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	41 <sup>3</sup> / <sub>4</sub> " (1060)	8 <sup>15</sup> / <sub>16</sub> " (227)	
DISPENSER (BI-42SD)	W	H	
Dispenser Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

Models BI-48S, BI-48SID and BI-48SD			
REFRIGERATOR	W	H	
Flush Inset Panel	29 <sup>1</sup> / <sub>4</sub> " (743)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	27 <sup>7</sup> / <sub>8</sub> " (708)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	28 <sup>1</sup> / <sub>2</sub> " (724)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
FREEZER	W	H	
Flush Inset Panel	19 <sup>1</sup> / <sub>2</sub> " (495)	69 <sup>3</sup> / <sub>4</sub> " (1772)	
Spacer Panel	18 <sup>1</sup> / <sub>8</sub> " (460)	68 <sup>15</sup> / <sub>16</sub> " (1751)	
Backer Panel	18 <sup>3</sup> / <sub>4</sub> " (476)	69 <sup>9</sup> / <sub>16</sub> " (1767)	
GRILLE	W	H	
Flush Inset Panel	49" (1245)	9 <sup>1</sup> / <sub>4</sub> " (235)	
Spacer Panel	47 <sup>1</sup> / <sub>8</sub> " (1197)	8 <sup>5</sup> / <sub>16</sub> " (211)	
Backer Panel	47 <sup>3</sup> / <sub>4</sub> " (1213)	8 <sup>15</sup> / <sub>16</sub> " (227)	
DISPENSER (BI-48SD)	W	H	
Cut-Out	5 <sup>7</sup> / <sub>8</sub> " (149)	12 <sup>7</sup> / <sub>16</sub> " (316)	
Cut-Out Location	2" (51)	28 <sup>13</sup> / <sub>16</sub> " (732)	

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel.

## Built-In Refrigeration

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## Ice and Water Dispenser

## MODELS BI-42SD AND BI-48SD

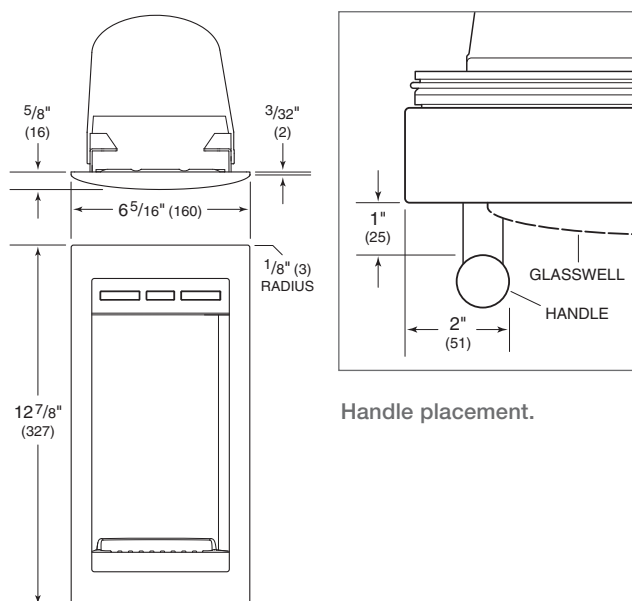
For models BI-42SD or BI-48SD, the refrigerator door panel must include a cut-out to accommodate the dispenser glasswell and bezel. The thickness of the panel in this area can range from  $\frac{1}{4}$ " (6) to a maximum of  $1\frac{1}{8}$ " (29).

**IMPORTANT NOTE:** Regardless of the thickness of the panel for model BI-42SD or BI-48SD, you must plan for a flat landing area for the decorative bezel surrounding the glasswell area. The illustration to the right provides exact bezel dimensions. Refer to the appropriate panel specifications page for exact cut-out location. This landing area can be accomplished in a number of different ways. These photos show two options.

One option (flush) is to rout the panel so the bezel will be flush with rails and stiles. You must rout a space to accommodate the height and width of the bezel. The width of the stile immediately to the left of the bezel must be  $1\frac{3}{4}$ " (44). Do not cut the entire stile to this dimension.

The other option (proud) shows a boxed out landing area for the bezel using stiles and rails to create this space. In this application, the bezel will sit proud of the stiles and rails. The total thickness of the panels at this level must not exceed  $1\frac{1}{8}$ " (29).

For overlay and flush inset models, mounting placement of the refrigerator door handle must assure proper access to the glasswell and adequate clearance under the handle. The handle placement illustration shows the relation of the refrigerator door handle to the glasswell bezel on stainless steel models.



Handle placement.

Dispenser dimensions.



Flush option.



Proud option.

## Built-In Refrigeration

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### Side Panels

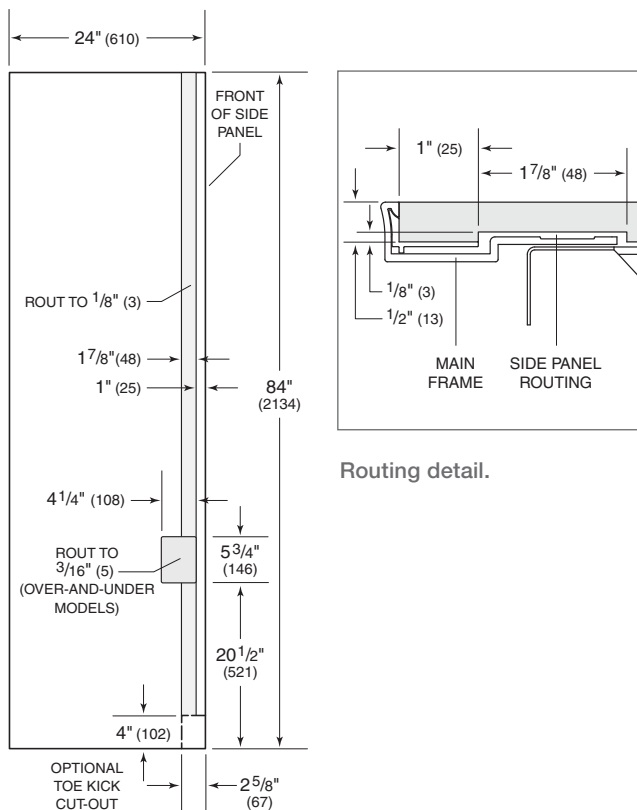
Side panels can be used with every design application. When planning for side panels with the installation of a built-in model, you need to be aware of the space configuration to achieve a pleasing fit. Depending on the exact panel you are using with your unit, the height of the panel may vary.

**IMPORTANT NOTE:** The use of side panels may change the width of your rough opening.

The side panel will need to be a minimum of 24" (610) deep and 1/2" (13) thick. Refer to the illustrations below for side panel dimensions. Routing will be necessary so that the side panel fits flush against the side of the unit.

**IMPORTANT NOTE:** If you have a model BI-30U, BI-30UG, BI-36U, BI-36UG or BI-36UFD, extra routing will be necessary to prevent the panel from hitting the refrigerator lower hinge plate.

When installing a built-in unit with a custom side panel, an accessory kit is required. Stainless steel and white enamel side panels are also available through your authorized Sub-Zero dealer.



Routing detail.

Side panel dimensions.

## Built-In Refrigeration

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Dual installation—standard application.

## Dual Installation Panel Requirements

## MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Models	50 lbs (23 kg)
Dual Wide Grille Panel	26 lbs (12 kg)

## MIN PANEL THICKNESS

Framed Panels	1/4" (6)
Overlay and Flush Inset Panels	5/8" (16)

## Dual Installation

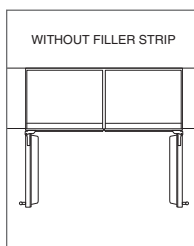
## STANDARD APPLICATION

Two overlay or stainless steel units may be placed side by side in a dual installation. Some standard applications will require a dual installation kit, available through your authorized Sub-Zero dealer. If you are installing two units side by side in a flush inset application, refer to page 32.

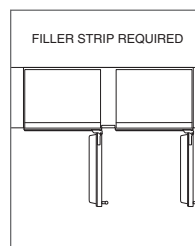
A custom filler strip can be used between two units in a framed, overlay or stainless steel design application. A custom filler strip is required when installing two French door or side-by-side models. It is recommended that the filler strip be at least 2" (51) wide to prevent condensation between the units. Be sure to add the filler strip width to your rough opening width. Refer to the full-scale template on page 42.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip.

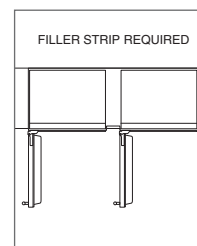
**IMPORTANT NOTE:** For the application shown in illustration A, a dual installation accessory kit is required. Refer to page 36 for information on dual installation kits.



Illus. A



Illus. B

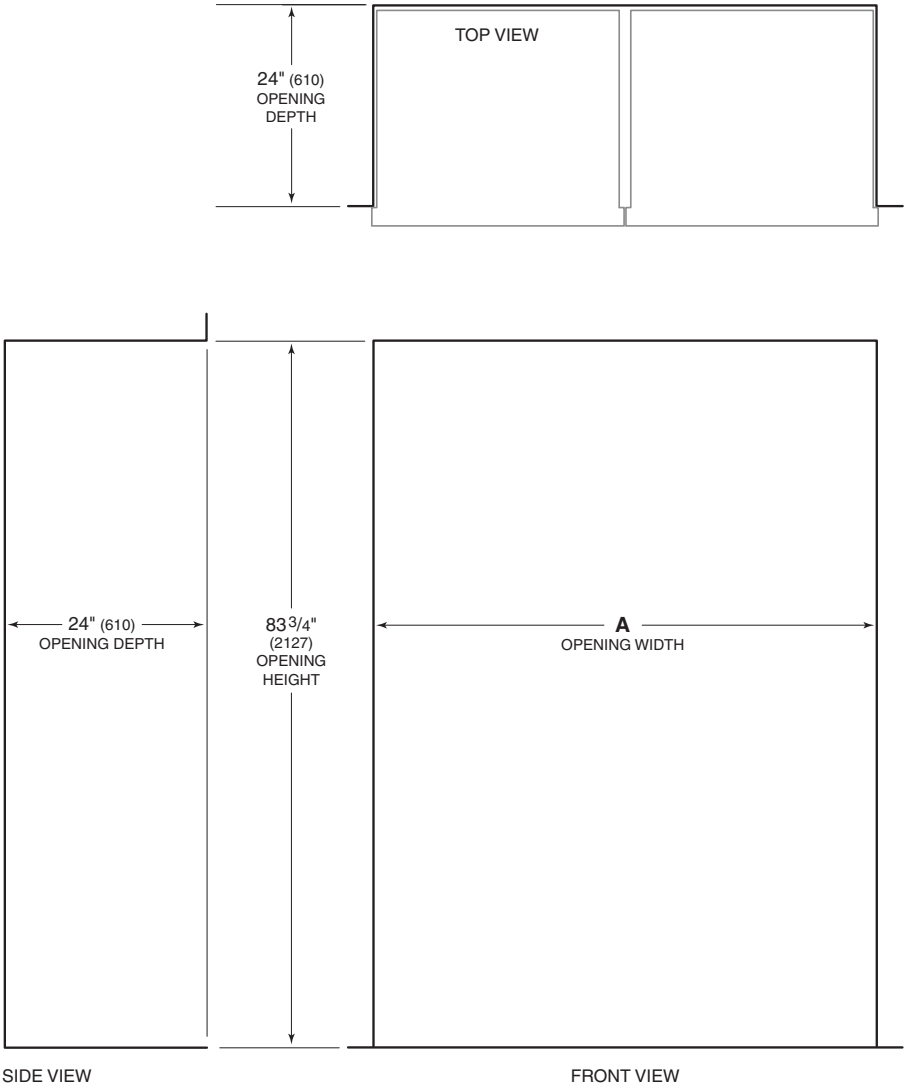


Illus. C

Built-In Refrigeration

Dual Installation

STANDARD INSTALLATION



Opening Widths	A
Two 30" (762) Models	59 3/4" (1518)
30" (762) and 36" (914) Models	65 3/4" (1670)
Two 36" (914) Models	71 3/4" (1822)

**IMPORTANT NOTE:** A dual installation kit will be required for this installation.

## Built-In Refrigeration

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Dual installation—flush inset application.

## Dual Installation Panel Requirements

## MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Models	50 lbs (23 kg)
Dual Wide Grille Panel	26 lbs (12 kg)

## MIN PANEL THICKNESS

Flush Inset Panels	5/8" (16)
--------------------	-----------

## Dual Installation

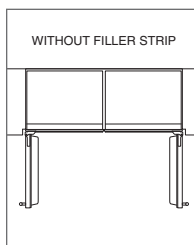
## FLUSH INSET APPLICATION

Installing two built-in models side by side in a flush inset application will require adjustments to the dimensions of your finished rough opening, panel sizes and panel offsets. It will also require a dual installation kit, available through your authorized Sub-Zero dealer.

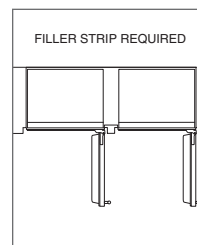
Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip. A custom filler strip is required when installing two French door or side-by-side models. Refer to the full-scale template on page 43. Illustration A is the only application that will accommodate the dual wide grille.

**IMPORTANT NOTE:** The application shown in illustration A can only be achieved by installing dual flush inset panels. Failure to install dual flush inset panels will cause the handle side of the panels to collide when closing. In this application a dual installation accessory kit is also required.

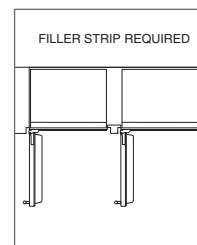
Dual flush inset panels and dual installation kits are available through your authorized Sub-Zero dealer. Refer to pages 34–35 for dual flush inset panel specifications and page 36 for information on dual installation kits.



Illus. A



Illus. B



Illus. C



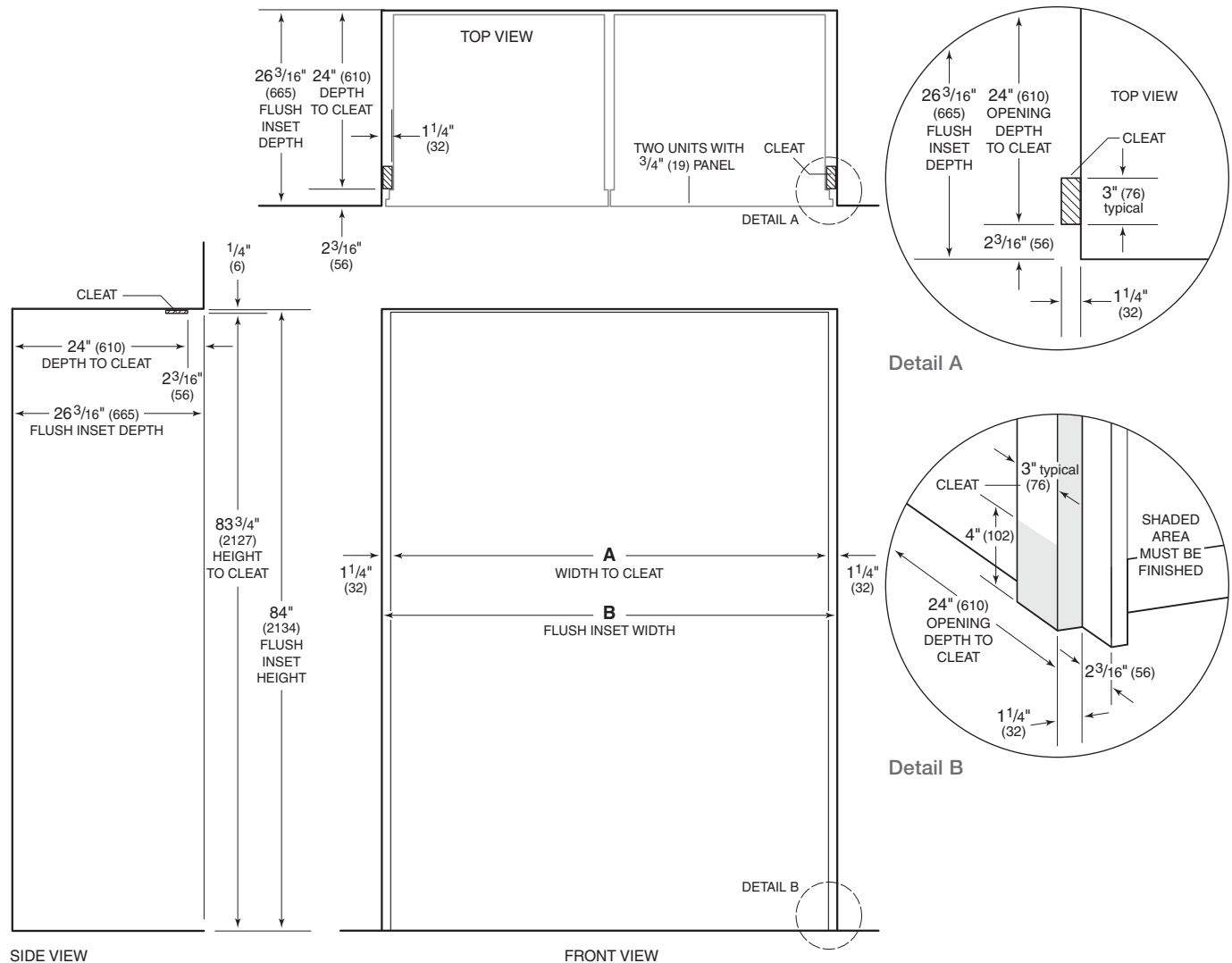
## Built-In Refrigeration

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## Dual Installation

## FLUSH INSET INSTALLATION



Opening Widths	A	B
Two 30" (762) Models	59 3/4" (1518)	62 1/4" (1581)
30" (762) and 36" (914) Models	65 3/4" (1670)	68 1/4" (1734)
Two 36" (914) Models	71 3/4" (1822)	74 1/4" (1886)

**IMPORTANT NOTE:** A dual installation kit will be required for this installation.

Dimensions assume a 3/4" (19) panel thickness.

## Built-In Refrigeration

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## Dual Installation

## FLUSH INSET PANEL OFFSETS

When installing two built-in models side by side in a flush inset application, you must decrease the width of the decorative flush inset panels by  $\frac{1}{2}$ " (13). Adjustments to the panel offsets will also need to be made. These adjustments are needed to achieve a proper fit and to ensure the panels do not collide when closing. Panel dimensions in the chart below have been adjusted to reflect the decrease in panel dimensions.

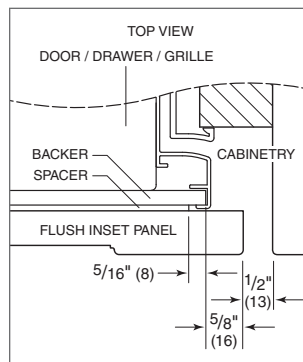
**IMPORTANT NOTE:** If a filler strip is not used, dual installations can only be accomplished using two units with opposite hinges.

Illustrations A–F provide panel offsets and reveals for all built-in models in a flush inset application. Refer to the chart below for reference to the illustrations relating to your specific model. All reveals are  $\frac{1}{2}$ " (13) unless otherwise specified.

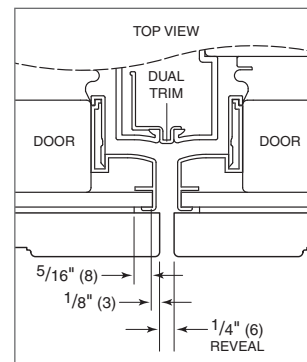
**CAUTION**

Do not exceed flush inset panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

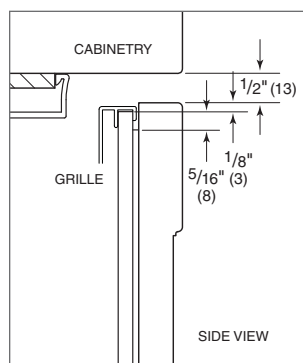
Panel Offsets	Illus.
<b>ALL REFRIGERATOR / ALL FREEZER</b>	
Doors (hinge) / Grille Sides	A
Doors (handle) Sides	B
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom	F
<b>OVER-AND-UNDER</b>	
Doors (hinge) / Drawer / Grille Sides	A
Doors (handle) Sides	B
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom / Drawer Top	E
Drawer Bottom	F



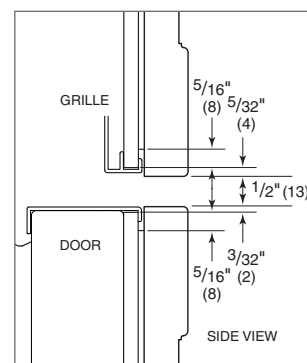
Illus. A



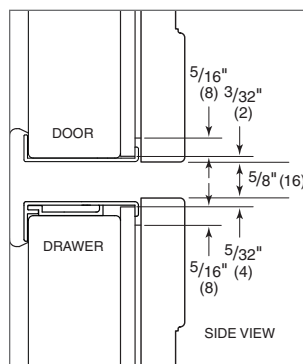
Illus. B



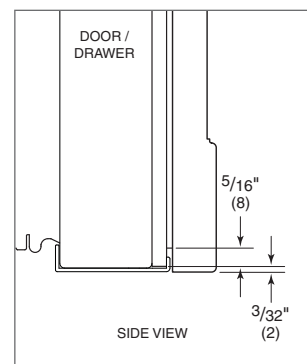
Illus. C



Illus. D



Illus. E



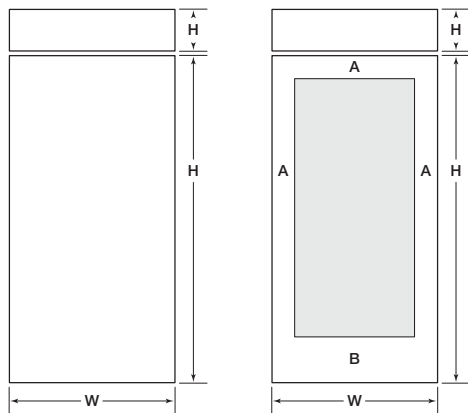
Illus. F

## Built-In Refrigeration

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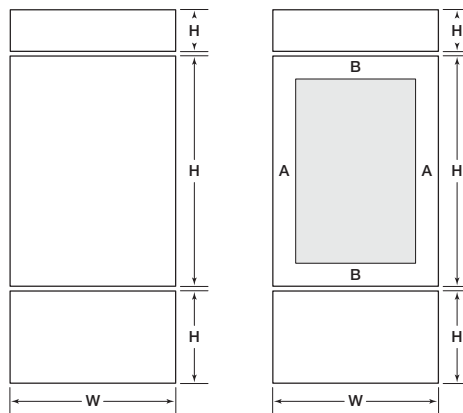
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## Dual Installation—Flush Inset Panels



BI-36R / BI-36F

BI-36RG



BI-30U / BI-36U

BI-30UG / BI-36UG

BI-36R, BI-36RG and BI-36F			
REFRIGERATOR / FREEZER		W	H
Flush Inset Panel		36 <sup>1</sup> / <sub>2</sub> " (927)	69 <sup>3</sup> / <sub>4</sub> " (1772)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	68 <sup>15</sup> / <sub>16</sub> " (1751)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	69 <sup>9</sup> / <sub>16</sub> " (1767)
GRILLE		W	H
Flush Inset Panel		36 <sup>1</sup> / <sub>2</sub> " (927)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)
BI-36RG		W	H
Window Cut-Out		25" (635)	54 <sup>1</sup> / <sub>8</sub> " (1375)
		A	B
Cut-Out Location		5 <sup>3</sup> / <sub>4</sub> " (146)	10 <sup>3</sup> / <sub>8</sub> " (264)

BI-30U and BI-30UG			
REFRIGERATOR		W	H
Flush Inset Panel		30 <sup>1</sup> / <sub>2</sub> " (775)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel		29 <sup>1</sup> / <sub>8</sub> " (740)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel		29 <sup>3</sup> / <sub>4</sub> " (756)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER		W	H
Flush Inset Panel		30 <sup>1</sup> / <sub>2</sub> " (775)	19" (483)
Spacer Panel		29 <sup>1</sup> / <sub>8</sub> " (740)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel		29 <sup>3</sup> / <sub>4</sub> " (756)	18 <sup>11</sup> / <sub>16</sub> " (475)
GRILLE		W	H
Flush Inset Panel		30 <sup>1</sup> / <sub>2</sub> " (775)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel		29 <sup>1</sup> / <sub>8</sub> " (740)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel		29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)
BI-30UG		W	H
Window Cut-Out		19" (483)	39 <sup>5</sup> / <sub>8</sub> " (1006)
		A	B
Cut-Out Location		5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)

BI-36U and BI-36UG			
REFRIGERATOR		W	H
Flush Inset Panel		36 <sup>1</sup> / <sub>2</sub> " (927)	50 <sup>1</sup> / <sub>8</sub> " (1273)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	49 <sup>5</sup> / <sub>16</sub> " (1253)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	49 <sup>15</sup> / <sub>16</sub> " (1268)
FREEZER		W	H
Flush Inset Panel		36 <sup>1</sup> / <sub>2</sub> " (927)	19" (483)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	18 <sup>1</sup> / <sub>16</sub> " (459)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	18 <sup>11</sup> / <sub>16</sub> " (475)
GRILLE		W	H
Flush Inset Panel		36 <sup>1</sup> / <sub>2</sub> " (927)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel		35 <sup>1</sup> / <sub>8</sub> " (892)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel		35 <sup>3</sup> / <sub>4</sub> " (908)	8 <sup>15</sup> / <sub>16</sub> " (227)
BI-36UG		W	H
Window Cut-Out		25" (635)	39 <sup>5</sup> / <sub>8</sub> " (1006)
		A	B
Cut-Out Location		5 <sup>3</sup> / <sub>4</sub> " (146)	5 <sup>1</sup> / <sub>4</sub> " (133)

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions.

For dual wide grilles, refer to page 36.

## Built-In Refrigeration

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## Dual Installation Kit

## INSTALLATION WITH DUAL WIDE GRILLE

This kit will replace the existing grilles that ship with the units and span the entire width of both units. The kit includes a 1/4" (6) center trim strip (required for proper installation of the dual wide grille), heater, dual kickplate and mounting hardware. Dual wide grilles are available for all built-in models and design applications. The overlay dual installation kit with grille will accept overlay and dual flush inset panels. For dual wide grille panel dimensions, refer to the panel specifications below for your design application. Grille panel dimensions listed are for a standard 84" (2134) finished height.

## Dual Wide Grille—Overlay

<b>TWO 30" (762) MODELS</b>	<b>W</b>	<b>H</b>
Overlay Panel	60 1/4" (1530)	9 1/4" (235)
Spacer Panel	59 3/8" (1508)	8 5/16" (211)
Backer Panel	60" (1524)	8 15/16" (227)
<b>30" (762) AND 36" (914) MODELS</b>	<b>W</b>	<b>H</b>
Overlay Panel	66 1/4" (1683)	9 1/4" (235)
Spacer Panel	65 3/8" (1661)	8 5/16" (211)
Backer Panel	66" (1676)	8 15/16" (227)
<b>TWO 36" (914) MODELS</b>	<b>W</b>	<b>H</b>
Overlay Panel	72 1/4" (1835)	9 1/4" (235)
Spacer Panel	71 3/8" (1813)	8 5/16" (211)
Backer Panel	72" (1829)	8 15/16" (227)

## Dual Wide Grille—Flush Inset

<b>TWO 30" (762) MODELS</b>	<b>W</b>	<b>H</b>
Flush Inset Panel	61 1/4" (1556)	9 1/4" (235)
Spacer Panel	59 3/8" (1508)	8 5/16" (211)
Backer Panel	60" (1524)	8 15/16" (227)
<b>30" (762) AND 36" (914) MODELS</b>	<b>W</b>	<b>H</b>
Flush Inset Panel	67 1/4" (1708)	9 1/4" (235)
Spacer Panel	65 3/8" (1661)	8 5/16" (211)
Backer Panel	66" (1676)	8 15/16" (227)
<b>TWO 36" (914) MODELS</b>	<b>W</b>	<b>H</b>
Flush Inset Panel	73 1/4" (1861)	9 1/4" (235)
Spacer Panel	71 3/8" (1813)	8 5/16" (211)
Backer Panel	72" (1829)	8 15/16" (227)

## INSTALLATION WITH INDIVIDUAL GRILLES

This kit is available for those who choose to utilize the individual grilles that ship with each unit. The kit includes a 1/4" (6) filler strip (which fills the reveal between the units and grilles), heater and mounting hardware. This dual installation kit is not required if a custom filler strip is used. The filler strip should be a minimum of 2" (51) wide. Refer to the full-scale template on page 42 for more information.

## Built-In Refrigeration

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## Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, [subzero.com](http://subzero.com).

- Grilles for an 83" (2108) or 88" (2235) finished height.
- Framed front panels in stainless steel and white enamel.
- Flush inset and dual flush inset panels in stainless steel with tubular or pro handles.
- Custom front panel mounting kit.
- Side panel in stainless steel and white enamel.
- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.
- Full-length standard and extended framed handles.
- Stainless steel kickplate.
- Dual installation kit with or without dual wide grille.
- Retrofit kits for use with 600 series panels.
- Partial framed kit for dispenser models.
- Dozen egg container.
- 90° door stop.
- Replacement air purification cartridge and water filter.

## STANDARD HANDLES

Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on built-in models.

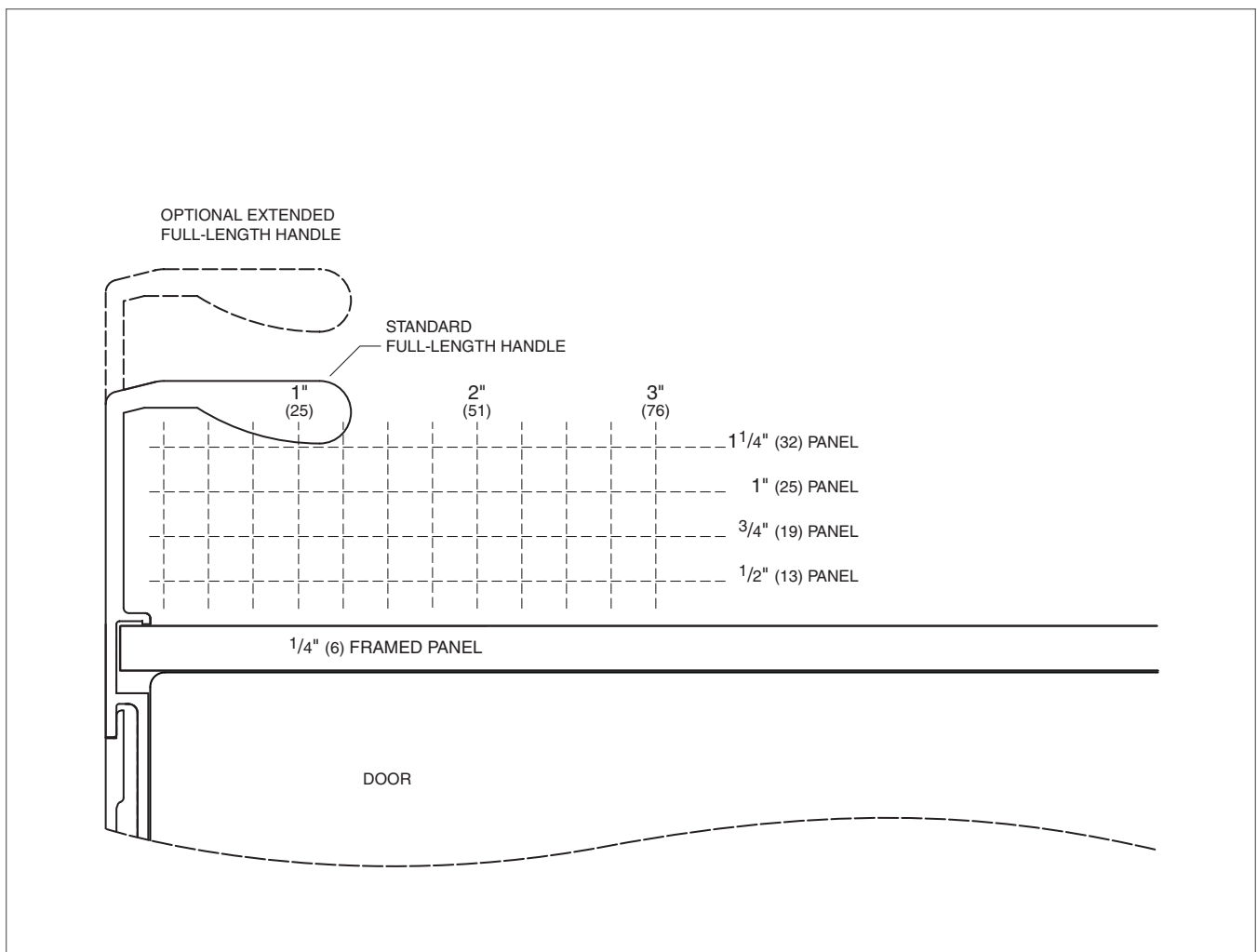
Standard Handles	Length	Stud Spacing
<b>FULL-HEIGHT DOOR</b>		
Tubular Handle	63 <sup>7</sup> / <sub>8</sub> " (1622)	43 <sup>7</sup> / <sub>8</sub> " (1114)
Pro Handle	45 <sup>3</sup> / <sub>16</sub> " (1147)	43 <sup>7</sup> / <sub>8</sub> " (1114)
<b>BI-30U(G), BI-36U(G) AND BI-36UFD DOOR(S)</b>		
Tubular Handle	44 <sup>1</sup> / <sub>4</sub> " (1124)	36 <sup>1</sup> / <sub>4</sub> " (921)
Pro Handle	37 <sup>1</sup> / <sub>2</sub> " (952)	36 <sup>1</sup> / <sub>4</sub> " (921)
<b>BI-30U(G) DRAWER</b>		
Tubular Handle	24 <sup>5</sup> / <sub>16</sub> " (633)	16 <sup>5</sup> / <sub>16</sub> " (414)
Pro Handle	17 <sup>9</sup> / <sub>16</sub> " (447)	16 <sup>5</sup> / <sub>16</sub> " (414)
<b>BI-36U(G) AND BI-36UFD DRAWER</b>		
Tubular Handle	30 <sup>5</sup> / <sub>16</sub> " (770)	22 <sup>5</sup> / <sub>16</sub> " (567)
Pro Handle	23 <sup>5</sup> / <sub>8</sub> " (600)	22 <sup>5</sup> / <sub>16</sub> " (567)

## Built-In Refrigeration

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## Framed Panel Thickness

## FULL-SCALE TEMPLATE



## PANEL THICKNESS

FRAMED APPLICATION

## Built-In Refrigeration

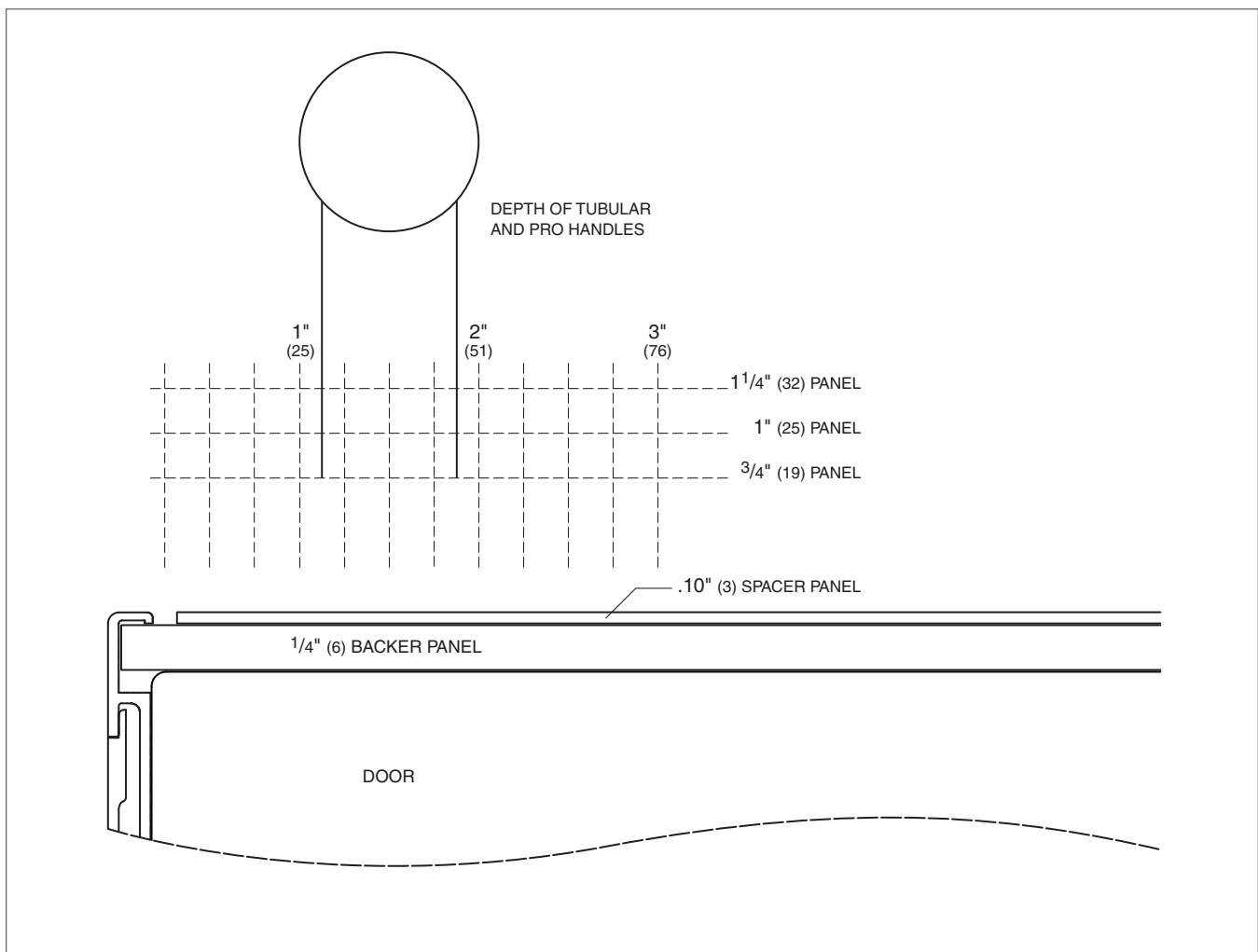
39

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## Overlay Panel Thickness

## FULL-SCALE TEMPLATE

Overlay and flush inset panels must be a minimum of  $\frac{5}{8}$ " (16) thick to support mounting the handle. Panel thickness does not include backer and spacer panel. Mount handle close to the opening edge of the door.

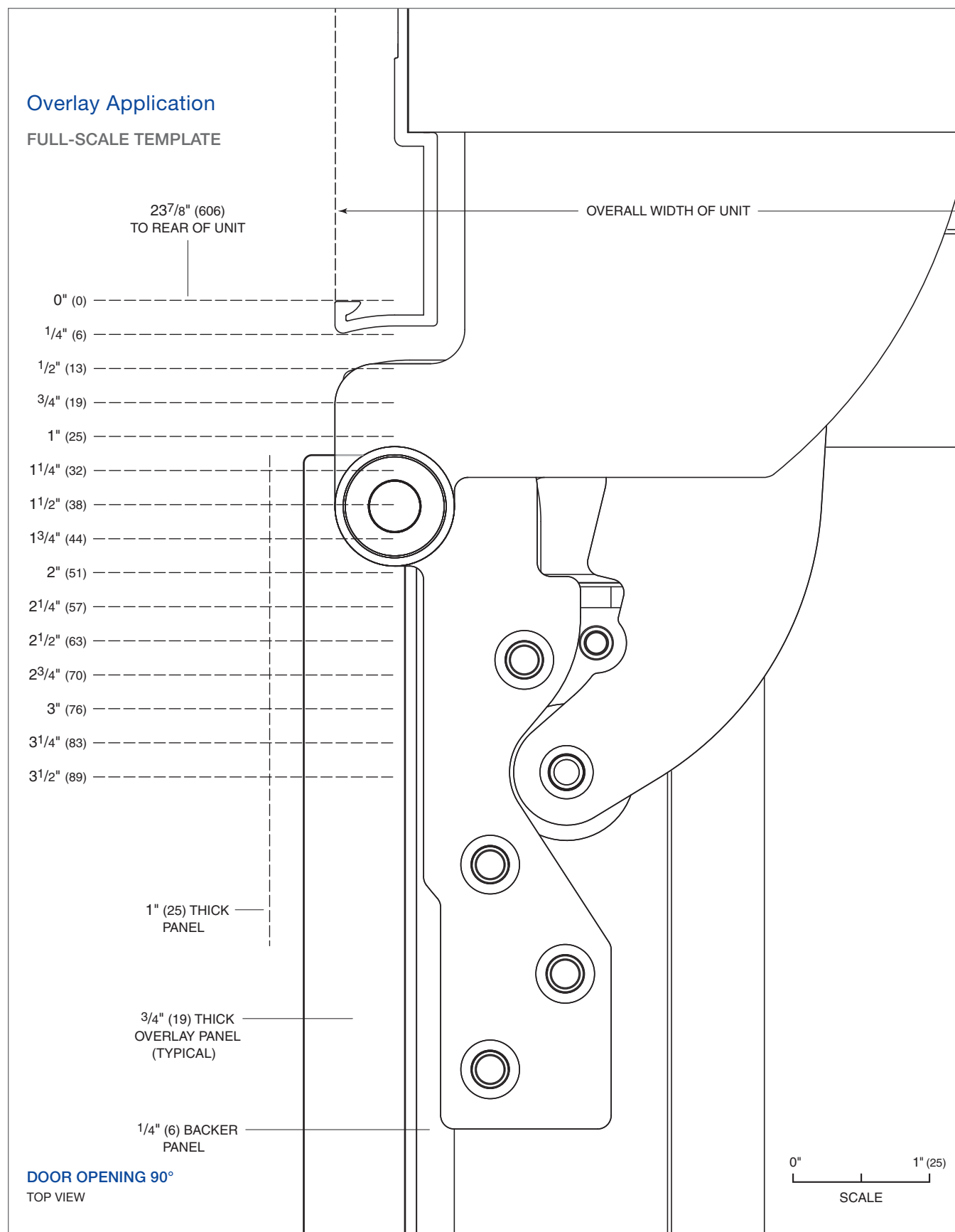


## PANEL THICKNESS

OVERLAY AND FLUSH INSET APPLICATIONS

## Built-In Refrigeration

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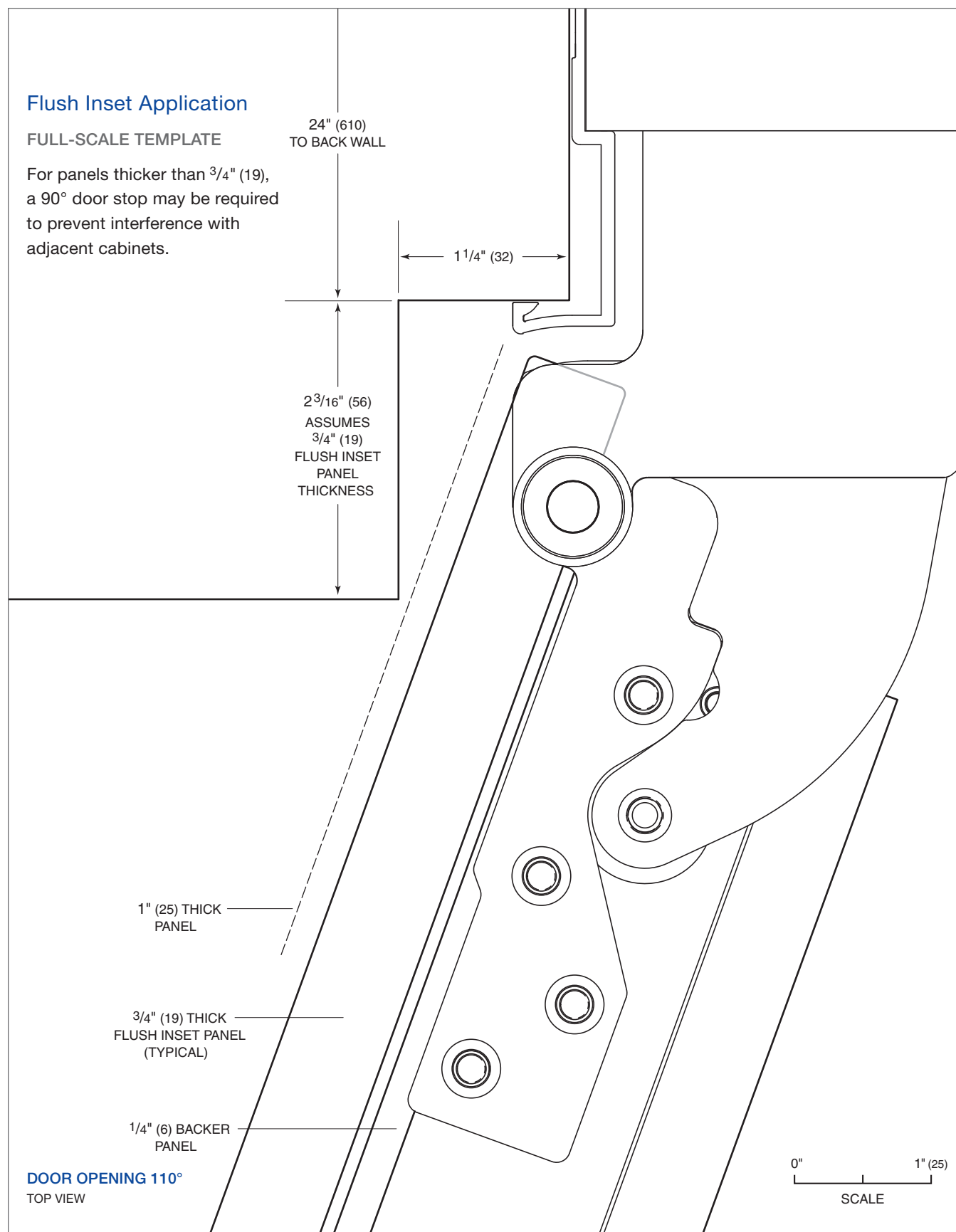




## Built-In Refrigeration

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BUILT-IN

PRO 48

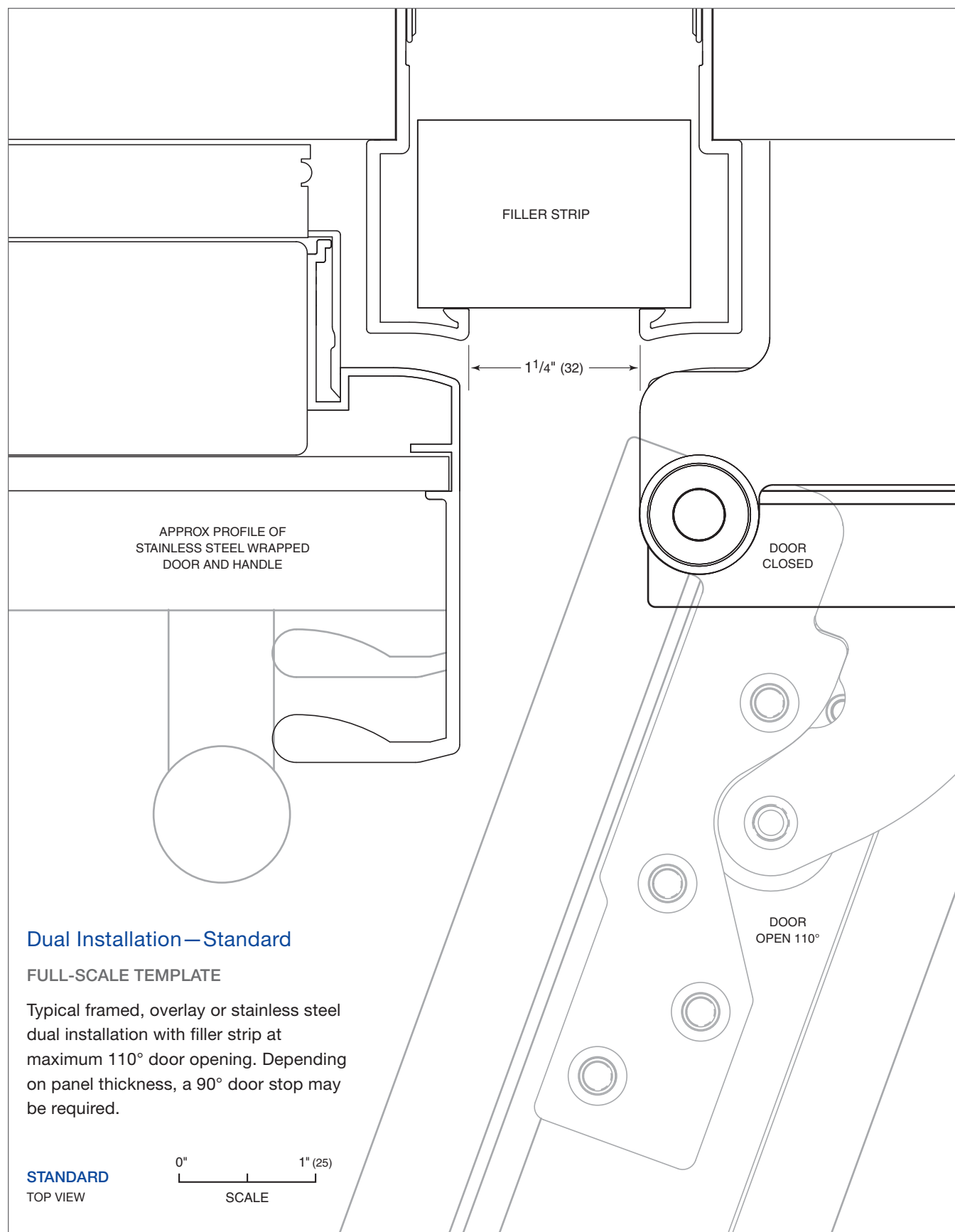
INTEGRATED

WINE STORAGE

UNDERCOUNTER

## Built-In Refrigeration

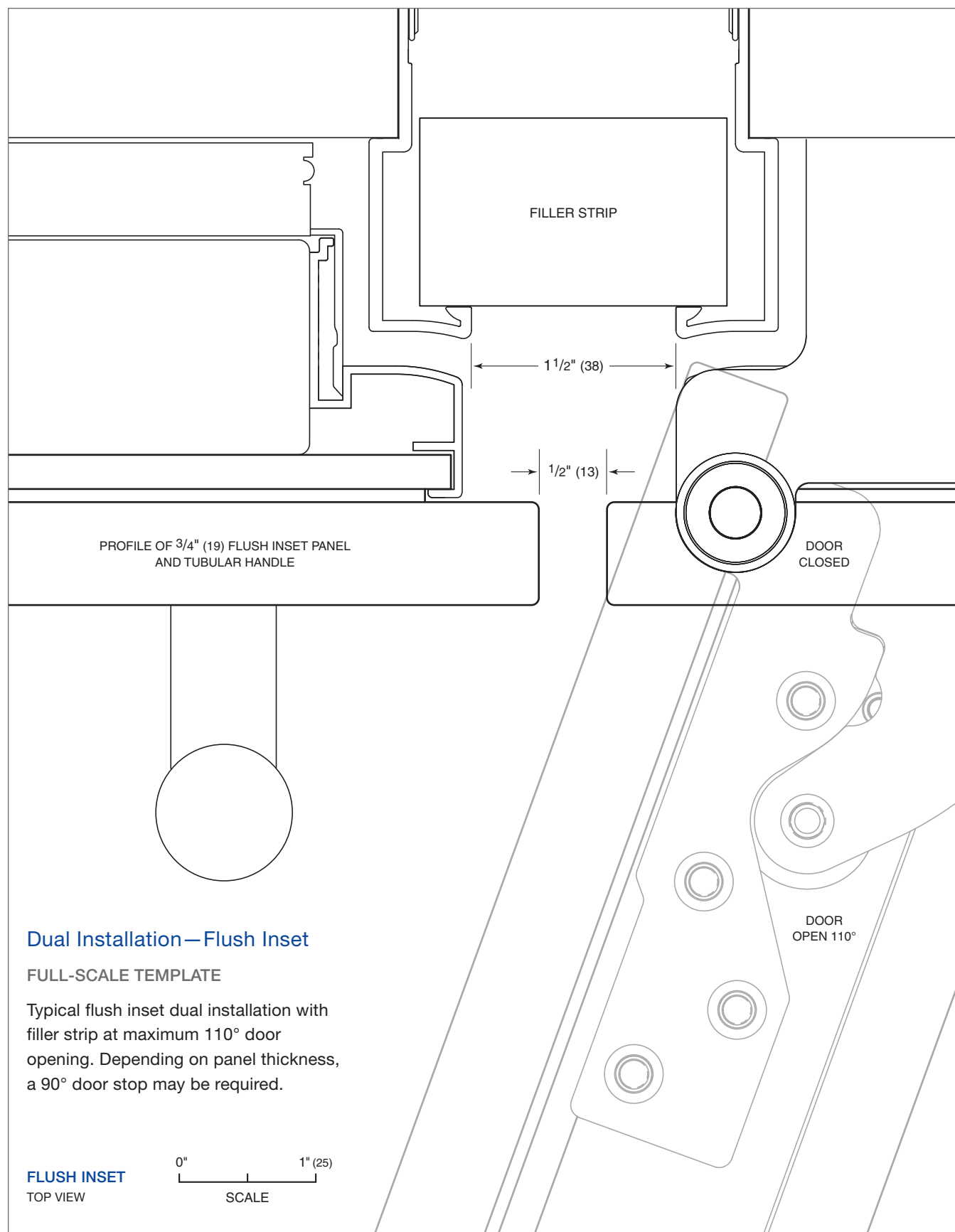
42



## Built-In Refrigeration

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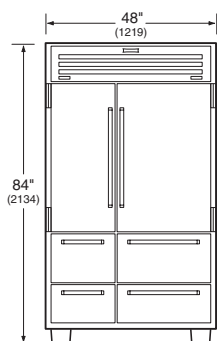
## PRO 48 Refrigeration

45

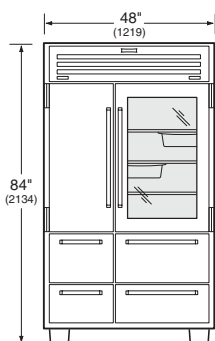
subzero.com/specs

**PRO 48 Refrigeration.** Freshness finds unmistakable expression in the Sub-Zero PRO 48. An 800-pound monument to food preservation—equal parts sculpted metal design statement and culinary secret weapon. Its vast interior, like its bold exterior, is crafted of stainless steel. The PRO 48 is available with or without a glass door and may be either built in or freestanding.

## PRO 48 MODELS



648PRO



648PROG

## KEY FEATURES

- Can be used freestanding or installed as a standard or flush built-in application.
- Stainless steel interior as well as exterior.
- Handles coordinate with handles of Wolf ranges.
- Dual refrigeration system enhanced with triple evaporators allow independent control of storage conditions in refrigerator cabinet and drawer compartments.
- Advanced water filtration system.
- Slide-out stainless steel bins fit neatly under refrigerator glass shelves.
- Exterior temperature display.
- Flip-up grille provides easy access for quick routine maintenance.
- Star-K certified.

BUILT-IN

PRO 48

INTEGRATED

WINE STORAGE

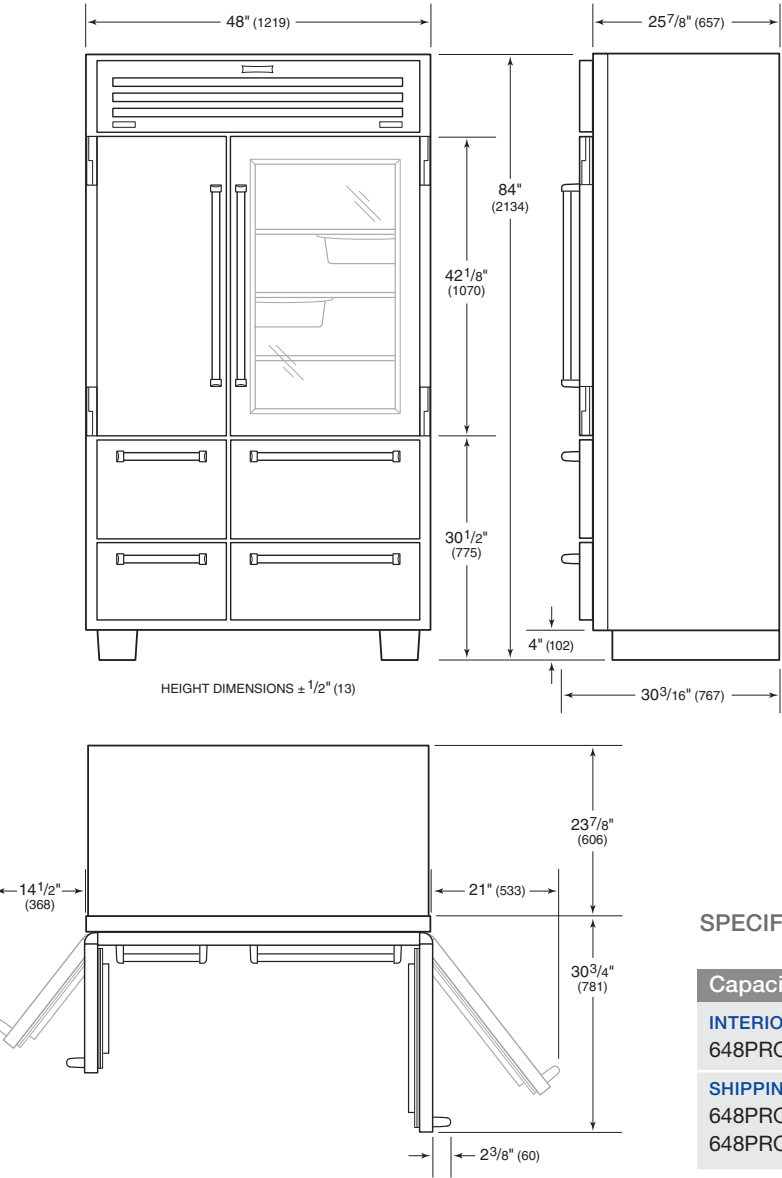
UNDERCOUNTER

PRO 48 Refrigeration

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PRO 48 Models

OVERALL DIMENSIONS



SPECIFICATIONS

Capacity / Weight		
INTERIOR CAPACITY	R CU FT (L)	F CU FT (L)
648PRO and 648PROG	18.4 (521)	11.7 (331)
SHIPPING WEIGHT	LBS (KG)	
648PRO	860 (390)	
648PROG	875 (397)	

MODELS 648PRO AND 648PROG



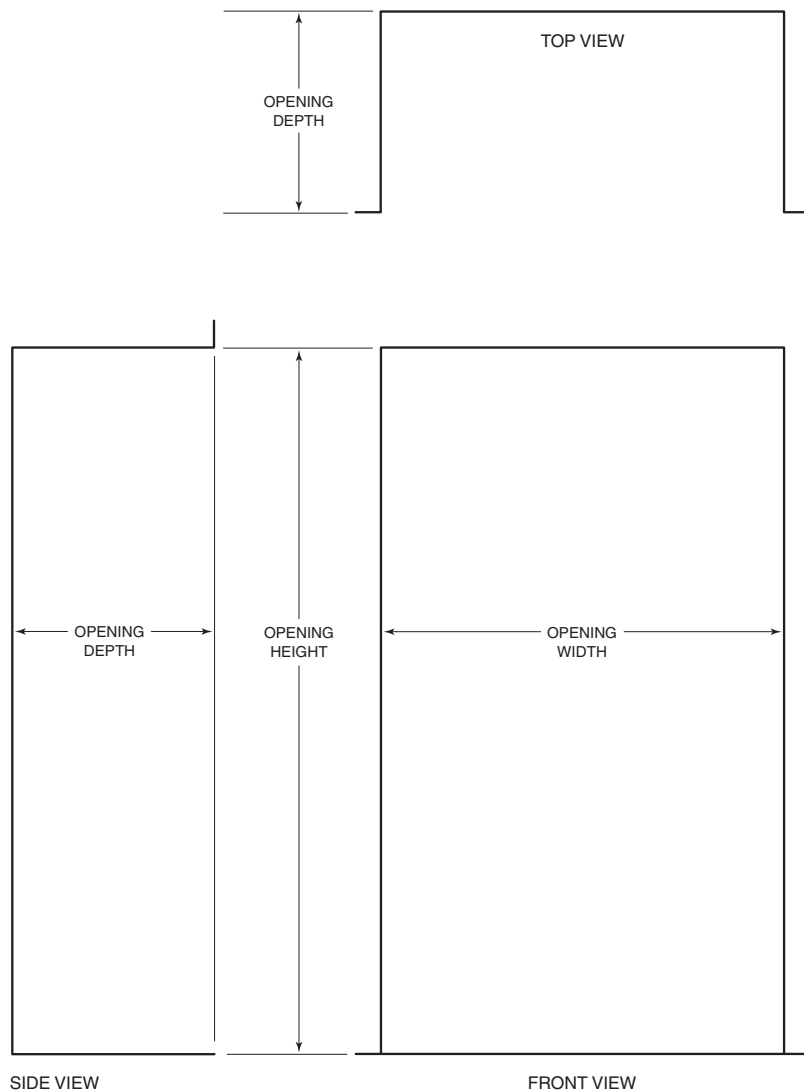
## PRO 48 Refrigeration

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## PRO 48 Models

## STANDARD AND FLUSH BUILT-IN INSTALLATIONS



Opening Dimensions	Standard	Flush
Opening Width	47 <sup>1</sup> / <sub>2</sub> " (1206)	48" (1219)
Opening Height	83 <sup>3</sup> / <sub>4</sub> " (2127)	84 <sup>1</sup> / <sub>8</sub> " (2137)
Opening Depth	24" (610)	26" (660)

**IMPORTANT NOTE:** For standard built-in installations, the face frame of the unit will extend 2" (51) beyond cabinetry. In flush built-in installations, the front of the face frame will be flush with surrounding cabinetry.

## PRO 48 Refrigeration

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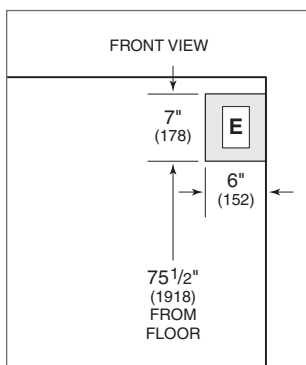
## Planning Information

PRO 48 models can be used freestanding or installed as a standard or flush built-in application. For standard built-in installations, the face frame of the unit will extend 2" (51) beyond cabinetry. In flush built-in installations, the front of the face frame will be flush with surrounding cabinetry.

## ELECTRICAL REQUIREMENTS

For PRO 48 models, the electrical supply should be located within the shaded area shown in the illustration below. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type



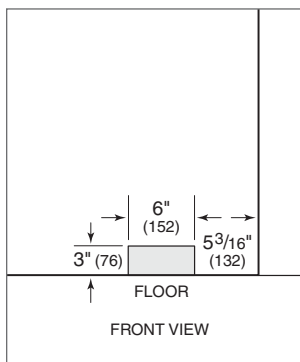
Location of electrical supply.

## PLUMBING REQUIREMENTS

PRO 48 models come with an automatic ice maker and a water filtration system. The water supply line should be located within the shaded area shown in the illustration below. The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer. The water line must not interfere with installation of the anti-tip bracket.

**IMPORTANT NOTE:** A reverse osmosis system can be used provided there is constant water pressure of 35 psi (2.4 bar) to 120 psi (8.3 bar) supplied to the unit at all times. In this application, the water filtration system must be set to bypass mode. This is achieved by removing the water filter cartridge. Refer to the PRO 48 installation guide packed with the unit for detailed instructions. A copper line is not recommended for this application.

Plumbing Requirements	
Water Supply Line	1/4" OD copper, braided stainless steel or PEX tubing
Water Pressure	35–120 psi (2.4–8.3 bar)
Excess Water Line for Connection	36" (914)



Location of water supply.



## PRO 48 Refrigeration

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[subzero.com/specs](http://subzero.com/specs)

### Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, [subzero.com](http://subzero.com).

- Stainless steel side panels and top for freestanding application.
- Stainless steel side panel.
- Stainless steel front and side kickplates.
- Slide-out stainless steel refrigerator bin.
- Refrigerator drawer dividers for compartmentalized storage.
- Dozen egg container.
- 90° door stop.
- Replacement water filter.



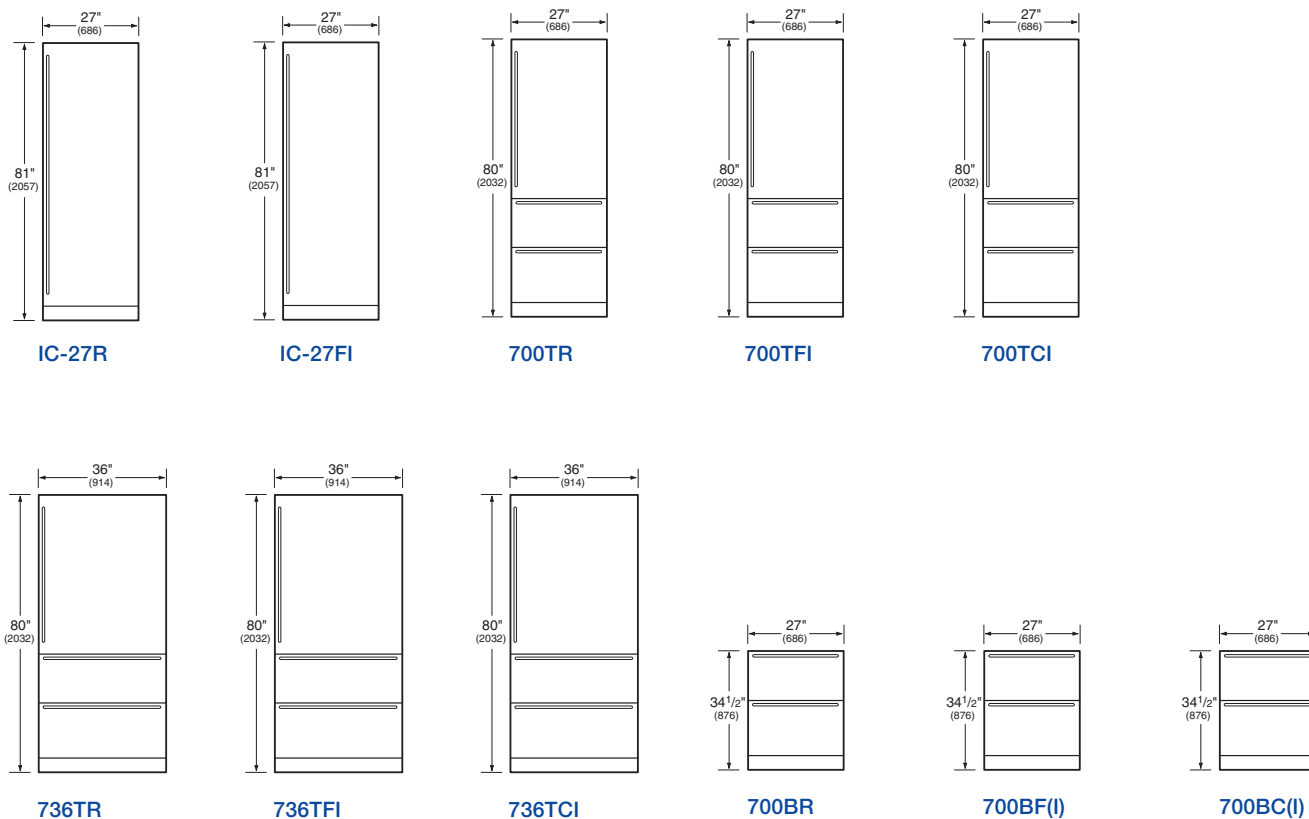
## Integrated Refrigeration

51

subzero.com/specs

**Integrated Refrigeration.** With custom front panels and hardware, Sub-Zero invented integrated columns, tall and drawer models that disappear into the decor. Integrated units fit flush with other cabinets, making integrated refrigeration as practical and beautiful in the master suite, bar or theatre room as in the kitchen.

### INTEGRATED MODELS



### KEY FEATURES

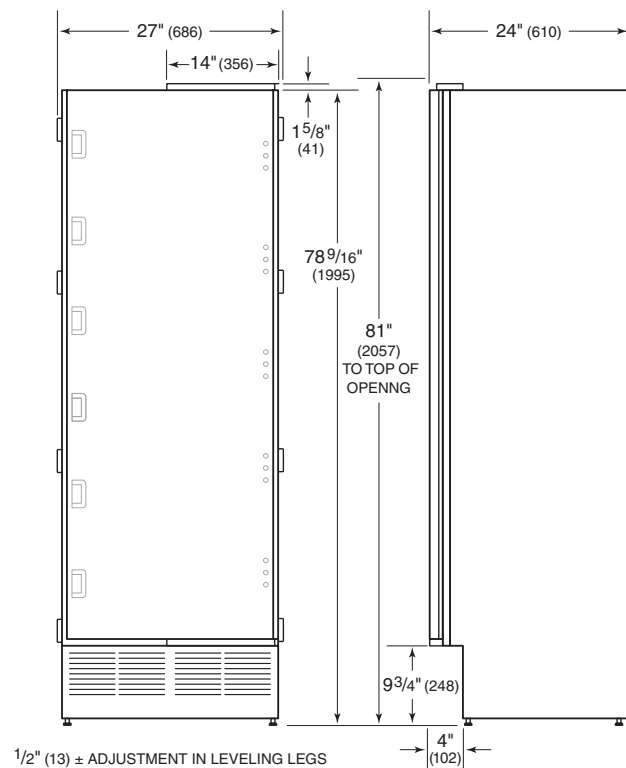
- Custom front panels and hardware allow for infinite design options.
- Point-of-use refrigeration that can be placed anywhere in the home.
- Dual refrigeration; two compressors preserve food's goodness in self-contained compartments.
- Energy efficient; many models are ENERGY STAR® qualified.
- Drawer models are Star-K certified—column and tall models are Star-K compliant with harness kit.

## Integrated Refrigeration

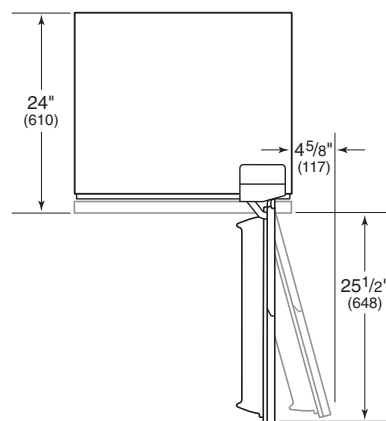
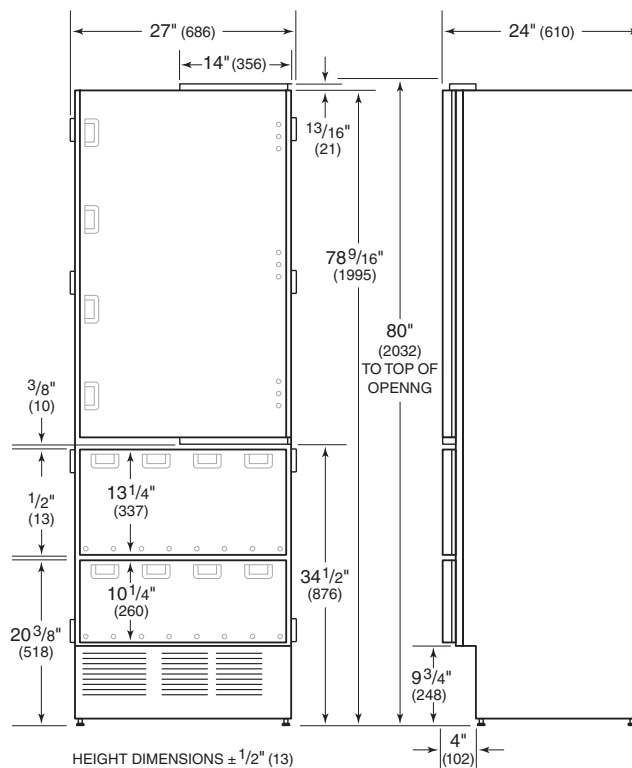
52

## Overall Dimensions

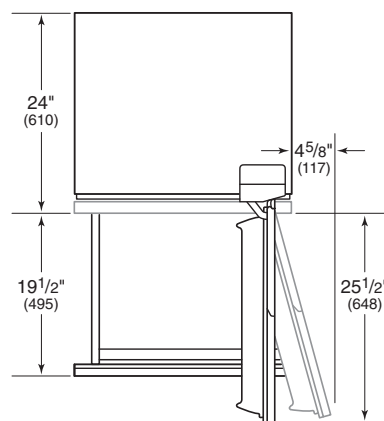
## COLUMN MODELS



## 27" (686) TALL MODELS



DIMENSIONS WILL VARY WITH PANEL THICKNESS



DIMENSIONS WILL VARY WITH PANEL THICKNESS

## MODELS IC-27R AND IC-27FI

## MODELS 700TR, 700TFI AND 700TCI

Overall dimensions do not include panels or handles.

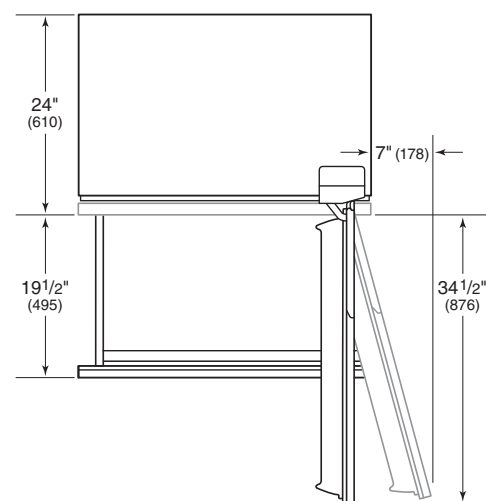
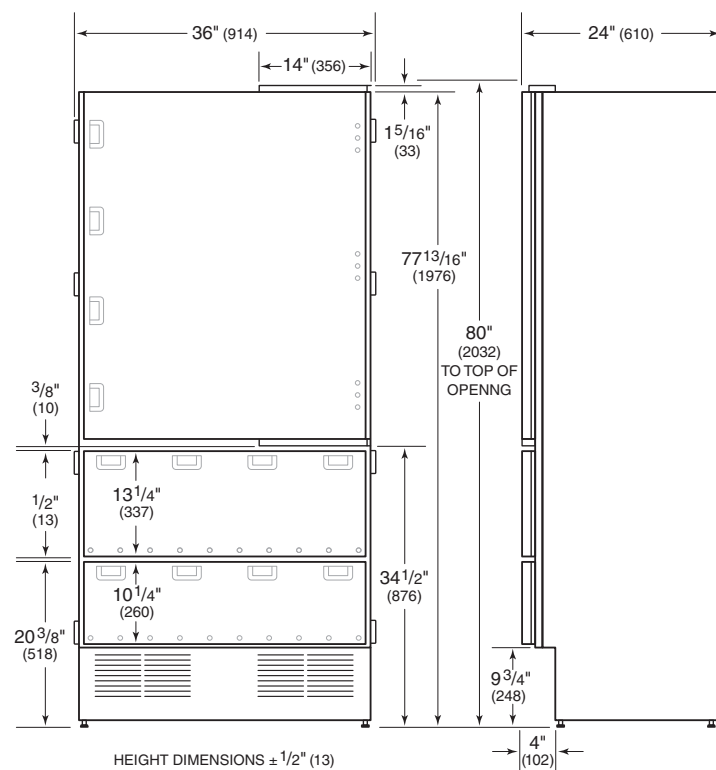
## Integrated Refrigeration

53

subzero.com/specs

## Overall Dimensions

### 36" (914) TALL MODELS



DIMENSIONS WILL VARY WITH PANEL THICKNESS

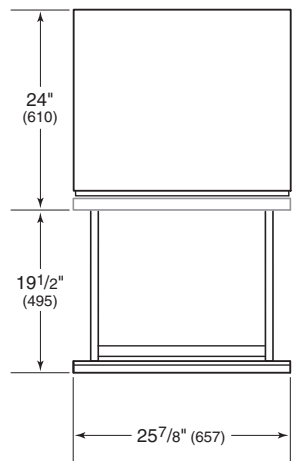
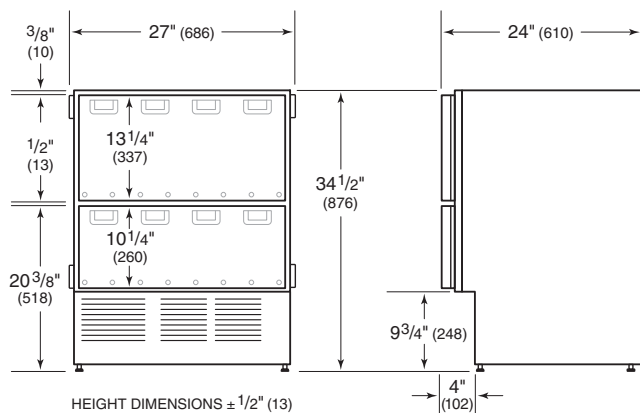
## MODELS 736TR, 736TFI AND 736TCI

## Integrated Refrigeration

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## Overall Dimensions

## DRAWER MODELS



## MODELS 700BR, 700BF(I) AND 700BC(I)

## Capacity and Weight

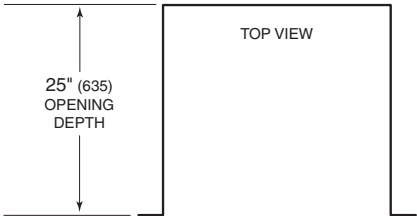
Interior Capacity	R cu ft (L)	F cu ft (L)
<b>COLUMN MODELS</b>		
IC-27R	16.2 (459)	
IC-27FI		16.3 (462)
<b>27" (686) TALL MODELS</b>		
700TR	15.5 (439)	
700TFI		15.3 (433)
700TCI	10.2 (289)	5.1 (144)
<b>36" (914) TALL MODELS</b>		
736TR	20.9 (592)	
736TFI		21.5 (609)
736TCI	13.3 (377)	7.1 (201)
<b>27" (686) DRAWER MODELS</b>		
700BR	5.3 (150)	
700BF(I)		5.1 (144)
700BC(I)	2.9 (82)	2.1 (59)

Shipping Weight	lbs (kg)
IC-27R, IC-27FI, 700TR, 700TFI and 700TCI	360 (163)
736TR, 736TFI and 736TCI	480 (218)
700BR, 700BF(I) and 700BC(I)	190 (86)

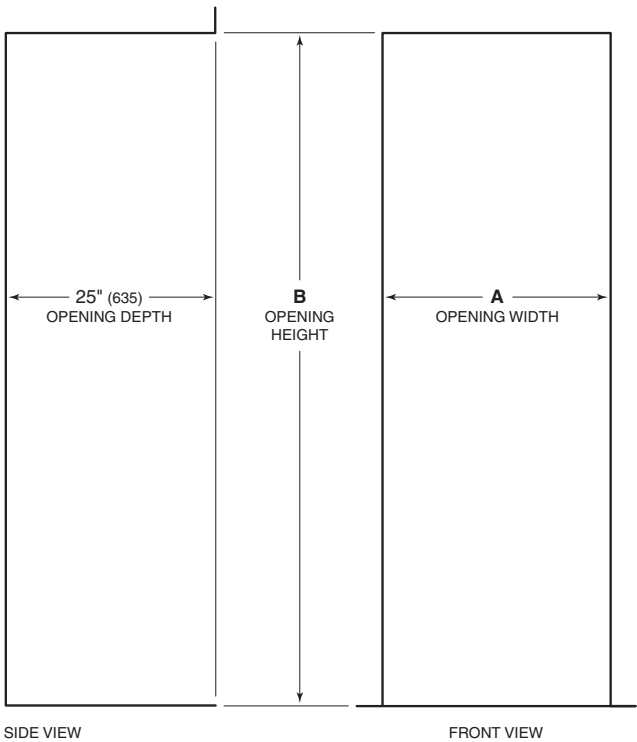
Integrated Refrigeration

Opening Dimensions

INTEGRATED MODELS



**IMPORTANT NOTE:** The depth of each integrated model is 24" (610) from the front of the unit to its back. Your design may necessitate moving the unit back or cabinets forward to achieve a flush fit. This will require a minimum rough opening depth of 25" (635).



Opening Dimensions	A	B
IC-27R and IC-27FI	27" (686)	81" (2057)
700TR, 700TFI, 700TCI	27" (686)	80" (2032)
736TR, 736TFI, 736TCI	36" (914)	80" (2032)
700BR, 700BF(I), 700BC(I)	27" (686)	34 1/2" (876)

Integrated Refrigeration

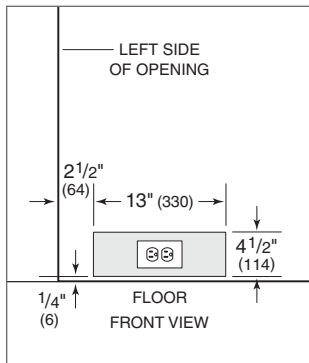
56

Electrical Requirements

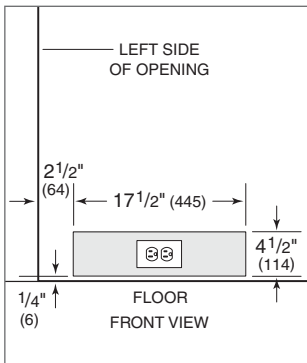
The electrical supply should be located within the shaded area shown in the illustrations. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

**IMPORTANT NOTE:** It is critical that the electrical outlet be located within the shaded area shown so it does not interfere with installation of the anti-tip bracket. It must be flush with the back wall and positioned with the grounding prong to the right of the thinner blades.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type



27" (686) models.



36" (914) models.



## Integrated Refrigeration

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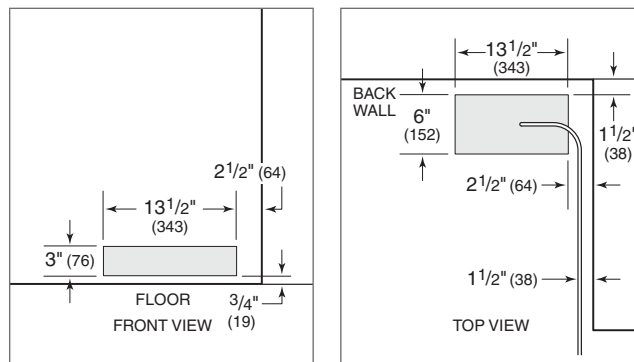
subzero.com/specs

### Plumbing Requirements

For integrated models with an automatic ice maker, the water supply line should be located through the floor or back wall, within the shaded area shown in the illustrations. The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer.

**IMPORTANT NOTE:** It is critical that the water line be located within the shaded area shown so it does not interfere with installation of the anti-tip bracket.

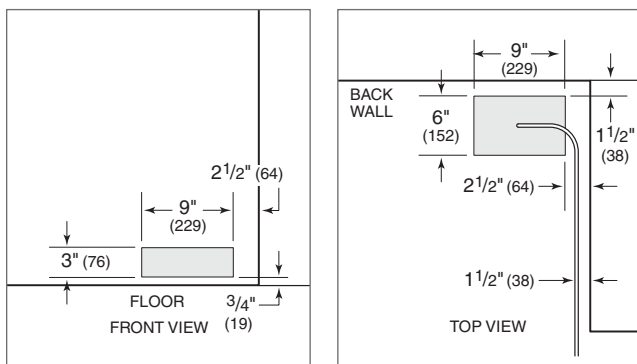
**IMPORTANT NOTE:** A reverse osmosis system can be used provided there is constant water pressure of 20 psi (1.4 bar) to 100 psi (6.9 bar) supplied to the unit at all times. In some cases, a reverse osmosis water filter system may not be able to maintain the minimum pressure consistently. A copper line is not recommended for this application.



36" (914) models.

#### Plumbing Requirements

Water Supply Line	1/4" OD copper, braided stainless steel or PEX tubing
Water Pressure	20–100 psi (1.4–6.9 bar)
Excess Water Line for Connection	27" (686)



27" (686) models.

BUILT-IN

PRO 48

INTEGRATED

WINE STORAGE

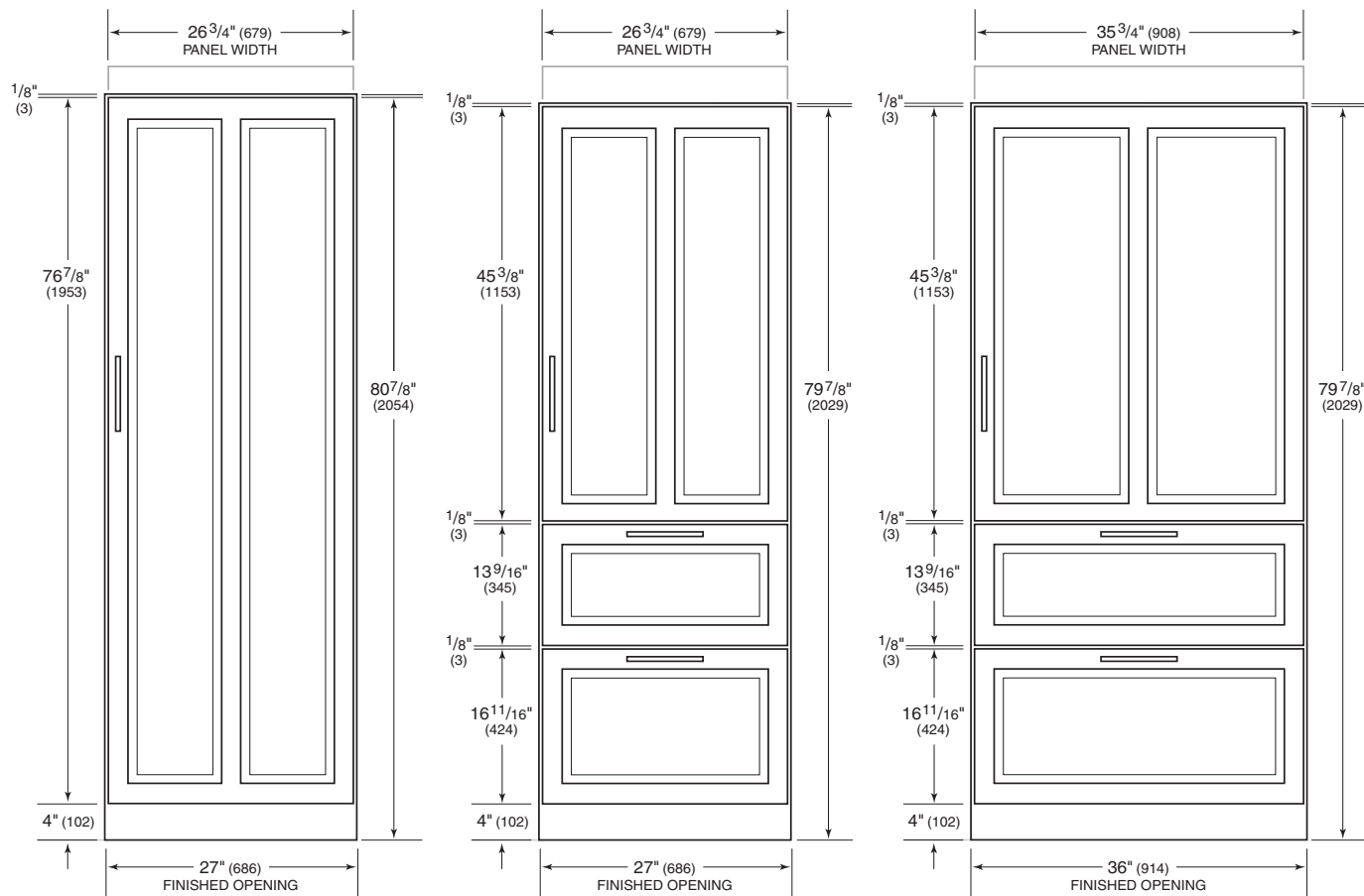
UNDERCOUNTER

## Integrated Refrigeration

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## Cabinetry Applications

## FRAMELESS CABINETRY

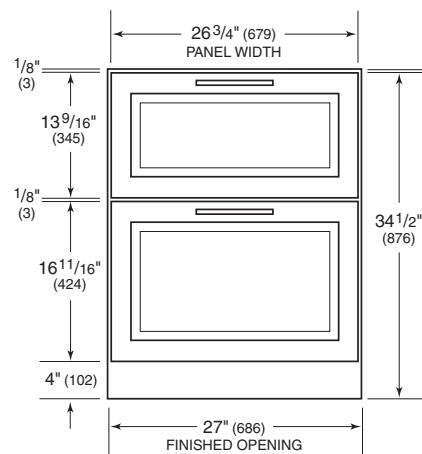


## COLUMN MODELS

## 27" (686) TALL MODELS

## 36" (914) TALL MODELS

Typical Panel Dimensions			
COLUMN MODELS		W	H
Door		$26\frac{3}{4}"$ (679)	$76\frac{7}{8}"$ (1953)
27" (686) TALL MODELS		W	H
Door		$26\frac{3}{4}"$ (679)	$45\frac{3}{8}"$ (1153)
Top Drawer		$26\frac{3}{4}"$ (679)	$13\frac{9}{16}"$ (345)
Bottom Drawer		$26\frac{3}{4}"$ (679)	$16\frac{11}{16}"$ (424)
36" (914) TALL MODELS		W	H
Door		$35\frac{3}{4}"$ (908)	$45\frac{3}{8}"$ (1153)
Top Drawer		$35\frac{3}{4}"$ (908)	$13\frac{9}{16}"$ (345)
Bottom Drawer		$35\frac{3}{4}"$ (908)	$16\frac{11}{16}"$ (424)
DRAWER MODELS		W	H
Top Drawer		$26\frac{3}{4}"$ (679)	$13\frac{9}{16}"$ (345)
Bottom Drawer		$26\frac{3}{4}"$ (679)	$16\frac{11}{16}"$ (424)



Panel dimensions are based on a  $\frac{1}{8}"$  (3) reveal. A reveal of up to  $\frac{1}{4}"$  (6) is possible with adjustments to panel dimensions.

## DRAWER MODELS

## Integrated Refrigeration

59

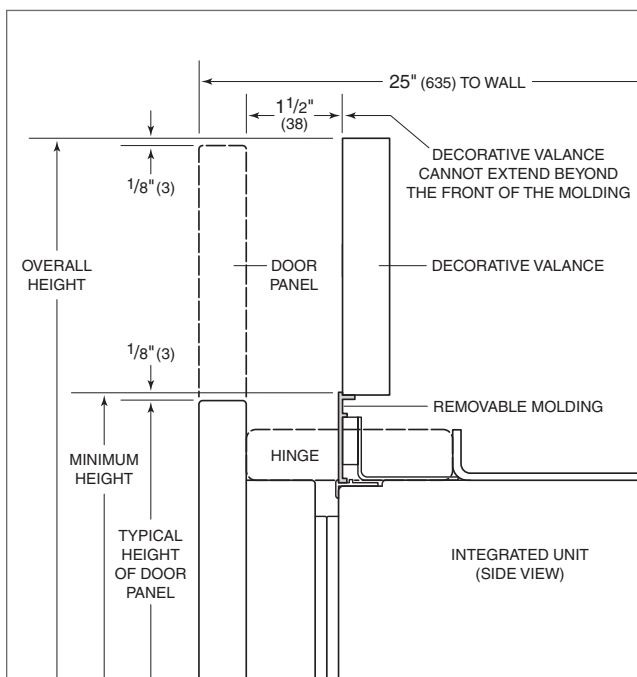
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### Cabinetry Applications

#### DOOR PANEL HEIGHT

The height of the door panel can extend beyond the typical panel height, provided you do not exceed the panel weight limit. The illustration below shows how the panel may be extended and what you need to consider to finish the area behind the door panel.

**IMPORTANT NOTE:** The decorative valance used to finish the area behind the door panel must stay behind the front plane of the finished molding.

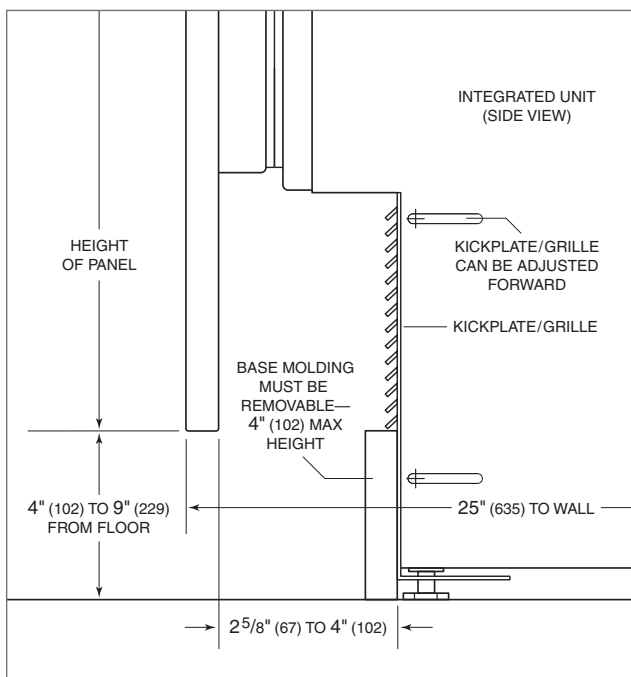


#### UPPER VALANCE

COLUMN AND TALL MODELS

#### TOE KICK CLEARANCE

The toe kick clearance can vary with the height of the panel. You must keep a minimum space of 4" (102 mm) clear below the bottom edge of the panel for proper venting. In addition, any decorative base molding must be removable and cannot exceed 4" (102 mm) in height.



#### KICKPLATE/GRILLE AREA

ALL INTEGRATED MODELS

## Integrated Refrigeration

60

### Cabinetry Applications

Integrated refrigeration is compatible with virtually any style and look of cabinetry. These models can be used with framed as well as frameless cabinetry. Because of the precise application and the look you may want to achieve, keep the following considerations in mind:

The thickness of the front panels can vary. A minimum  $\frac{5}{8}$ " (16) thick panel is required, but the thickness can be increased provided the panel weight limit is not exceeded.

**IMPORTANT NOTE:** The depth of each integrated model is 24" (610) from the front of the unit to its back. You must allow for the thickness of the panel you are applying when planning for the finished rough opening depth if you want the front panel to be flush with surrounding cabinetry. You may have to move the unit back into drywall or bring the cabinets forward to achieve a flush fit.

Reveals between panels can vary. A reveal of  $\frac{1}{8}$ " (3) is typical, but reveals can be increased to up to  $\frac{1}{4}$ " (6).

#### ⚠ CAUTION

As reveals between cabinetry and the unit decrease, the potential exists for severe finger pinching while the door is closing.

#### ⚠ CAUTION

When  $\frac{3}{4}$ " (19) or thicker panels are used with a reveal of less than  $\frac{1}{4}$ " (6), door panels may cause damage to the unit when the door is opened to the maximum 105°. Use the built-in 90° door stop.

**IMPORTANT NOTE:** The inside edges of the rough opening as well as the sides and a portion of the backside of the decorative panels will need to be finished, as they will be exposed when the doors are open.

D-style handles are recommended. For the cabinet door, handles must be located near the edge of the panel opposite the hinge, centered top to bottom. Locate handles in the top center area of the drawer panels.

Illustrations on the following pages show typical applications of frameless and framed cabinetry. Also refer to the full-scale illustration at the end of this section for specifics on door openings.

#### Panel Requirements

<b>COLUMN MODELS</b>	<b>MAX WEIGHT</b>
Door Panel	65 lbs (29 kg)
<b>TALL AND DRAWER MODELS</b>	<b>MAX WEIGHT</b>
27" (686) Door Panel	40 lbs (18 kg)
27" (686) Drawer Panel	12 lbs (5 kg)
36" (914) Door Panel	53 lbs (24 kg)
36" (914) Drawer Panel	16 lbs (7 kg)
<b>PANEL THICKNESS</b>	<b>MINIMUM</b>
All Panels	$\frac{5}{8}$ " (16)

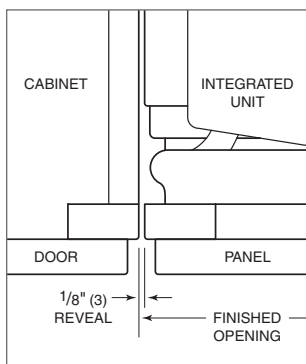
## Integrated Refrigeration

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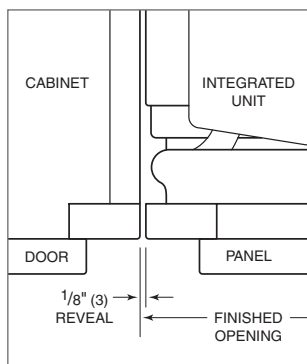
subzero.com/specs

### Cabinetry Applications

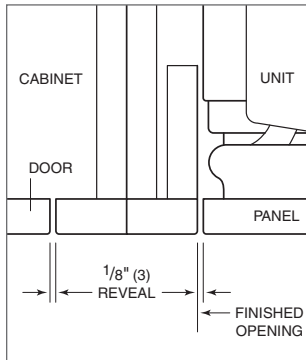
The illustrations below show typical applications of framed and frameless cabinetry. Refer to the full-scale templates at the end of this section for specifics on door openings.



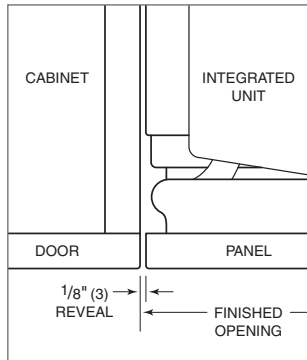
Framed—full overlay.



Framed—standard overlay.



Framed—beaded inset.



Frameless cabinetry.

### Dual Installations

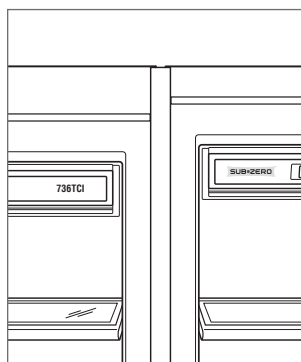
Two integrated units may be placed side by side in a dual installation. Depending on the models specified, opening widths will be 54" (1372), 63" (1600) or 72" (1829). Panel width dimensions will vary slightly from single installations. Refer to the chart below for typical panel dimensions. The dimensions are based on a 1/8" (3) reveal. A reveal of up to 1/4" (6) is possible with adjustments to panel dimensions.

#### Typical Panel Dimensions

COLUMN MODELS	W	H
Door	26 <sup>13</sup> / <sub>16</sub> " (681)	76 <sup>7</sup> / <sub>8</sub> " (1953)
27" (686) MODELS	W	H
Door	26 <sup>13</sup> / <sub>16</sub> " (681)	45 <sup>3</sup> / <sub>8</sub> " (1153)
Top Drawer	26 <sup>13</sup> / <sub>16</sub> " (681)	13 <sup>9</sup> / <sub>16</sub> " (345)
Bottom Drawer	26 <sup>13</sup> / <sub>16</sub> " (681)	16 <sup>11</sup> / <sub>16</sub> " (424)
36" (914) MODELS	W	H
Door	35 <sup>13</sup> / <sub>16</sub> " (910)	45 <sup>3</sup> / <sub>8</sub> " (1153)
Top Drawer	35 <sup>13</sup> / <sub>16</sub> " (910)	13 <sup>9</sup> / <sub>16</sub> " (345)
Bottom Drawer	35 <sup>13</sup> / <sub>16</sub> " (910)	16 <sup>11</sup> / <sub>16</sub> " (424)

A dual installation kit is required for installations with 2" (51) or less space between the units. Dual installation kits are available through your authorized Sub-Zero dealer.

**IMPORTANT NOTE:** If a 27" (686) unit is installed next to a 36" (914) tall unit, the decorative front panels will align, however, the face frames will not. This is only apparent when both doors are open at the same time. Due to a more robust hinge on 36" (914) units, the face frame was reconfigured to maintain a consistent overall panel height. Refer to the illustration below.



Face frame alignment.

## Integrated Refrigeration

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## Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, [subzero.com](http://subzero.com).

- Stainless steel front panels with tubular or pro handles.
- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.
- Dual installation kit.
- Crisper drawer with shelf assembly, deli drawer with shelf and crisper cover with lid for certain models.
- Dozen egg container.
- Harness kit for Star-K compliance.

## STANDARD HANDLES

Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on integrated models.

Standard Handles	Length	Stud Spacing
<b>DOOR</b>		
Tubular Handle	41 <sup>3</sup> / <sub>16</sub> " (1046)	33 <sup>1</sup> / <sub>4</sub> " (845)
Pro Handle	39 <sup>9</sup> / <sub>16</sub> " (1006)	38 <sup>5</sup> / <sub>16</sub> " (973)
<b>27" (686) MODEL DRAWERS</b>		
Tubular Handle	24 <sup>3</sup> / <sub>16</sub> " (614)	16 <sup>1</sup> / <sub>4</sub> " (413)
Pro Handle	21" (533)	19 <sup>11</sup> / <sub>16</sub> " (500)
<b>36" (914) MODEL DRAWERS</b>		
Tubular Handle	33 <sup>3</sup> / <sub>16</sub> " (843)	25 <sup>1</sup> / <sub>4</sub> " (641)
Pro Handle	30" (762)	28 <sup>3</sup> / <sub>4</sub> " (730)

## Integrated Refrigeration

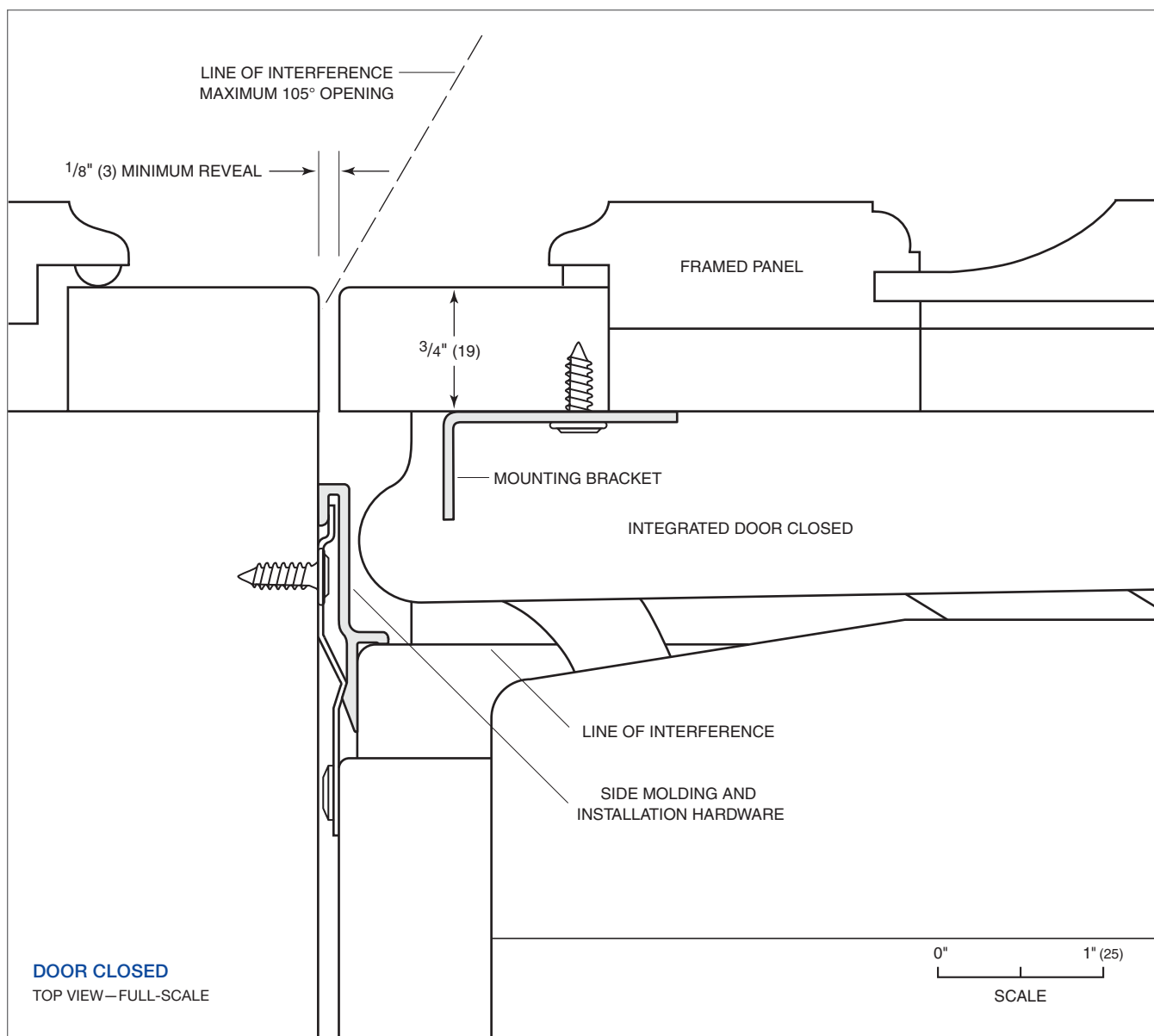
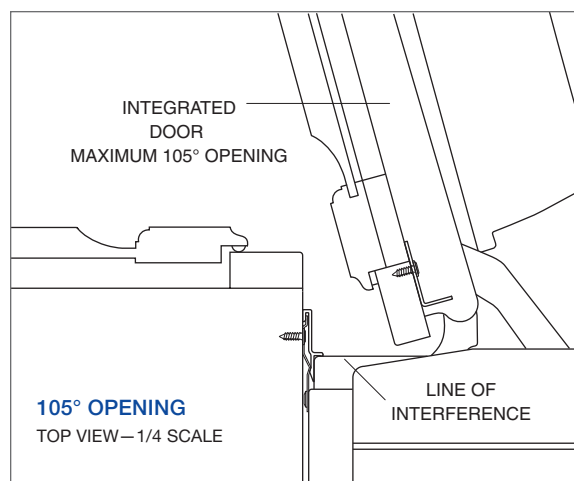
63

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## Maximum Door Opening

## FULL-SCALE TEMPLATE

If the panel is thicker than  $\frac{3}{4}$ " (19), use the built-in 90° door stop to prevent damage to the panel and face frame at the maximum door opening.



BUILT-IN

PRO 48

INTEGRATED

WINE STORAGE

UNDERCOUNTER







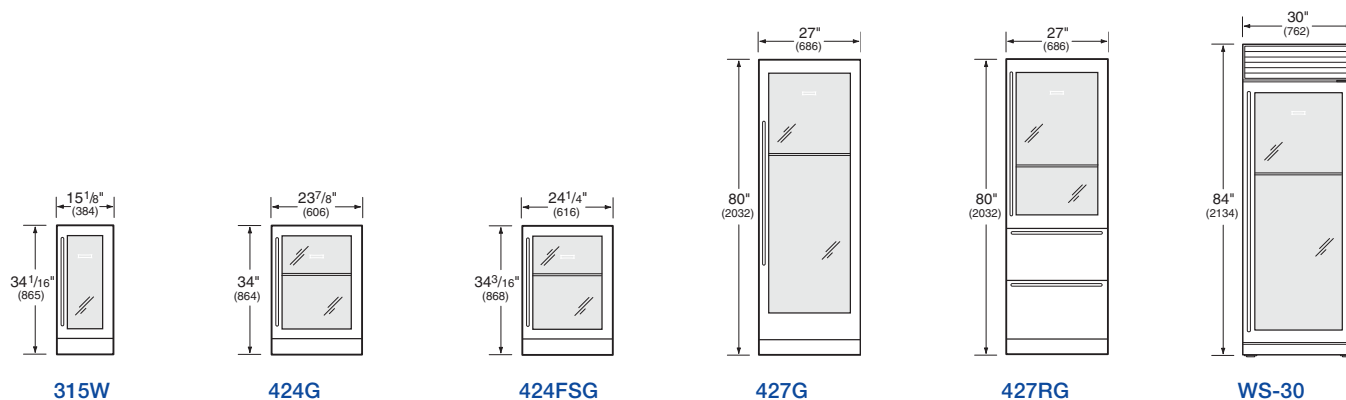
## Wine Storage

65

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**Wine Storage.** Wine finds a well-deserved place of honor in a Sub-Zero wine storage unit. Every detail is designed to ensure better wine preservation. Cherrywood-faced shelves, soft lighting, custom cabinetry if desired—Sub-Zero helps make a wine collection an element of beauty in the home.

## WINE STORAGE MODELS



## KEY FEATURES

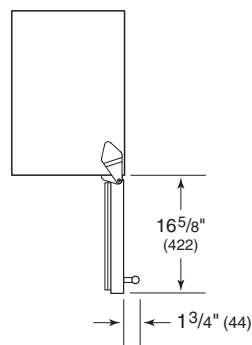
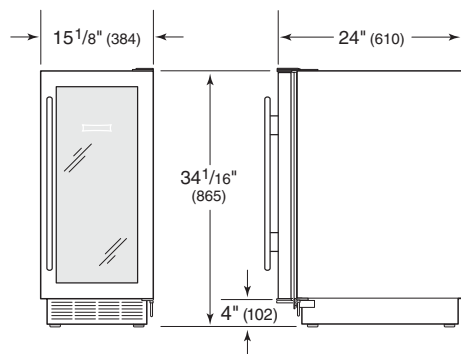
- Integrated, overlay, flush inset and stainless steel design options.
- Full-view glass door standard on all models.
- Freestanding model 424FSG does not require panels or surrounding cabinetry.
- Discreet interior lighting with illuminated display shelf for prized bottles of wine.
- Two independent storage zones maintain temperature, humidity and UV protection.
- Roller-assembly wine shelves with natural cherrywood facing have three-quarter extension for easy access.
- Wine shelves accommodate 750 ml bottles, half-bottles and magnums.

## Wine Storage

66

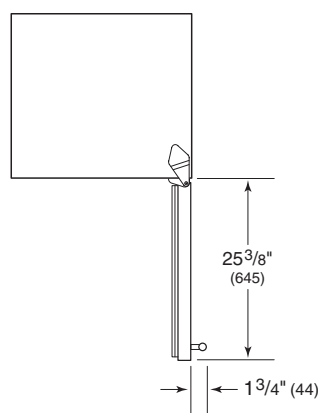
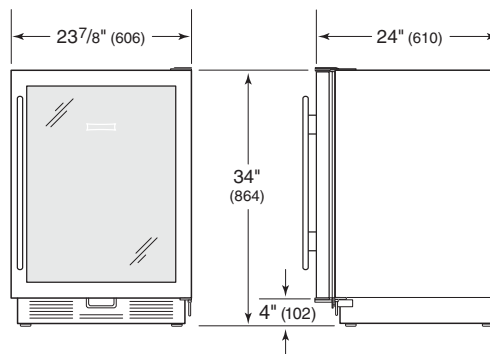
## Overall Dimensions

## UNDERCOUNTER WINE STORAGE



## MODEL 315W

Refer to page 83 for door clearance information.



## MODEL 424G

Refer to page 83 for door clearance information.

Overall dimensions are based on stainless steel panels and handles.

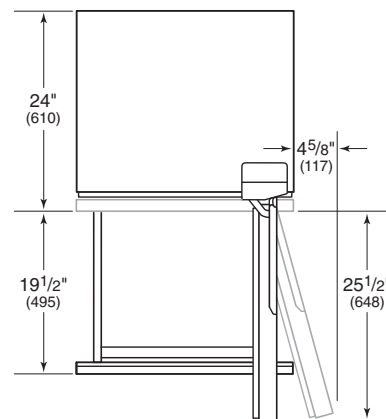
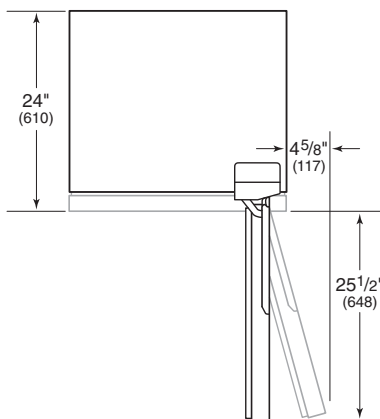
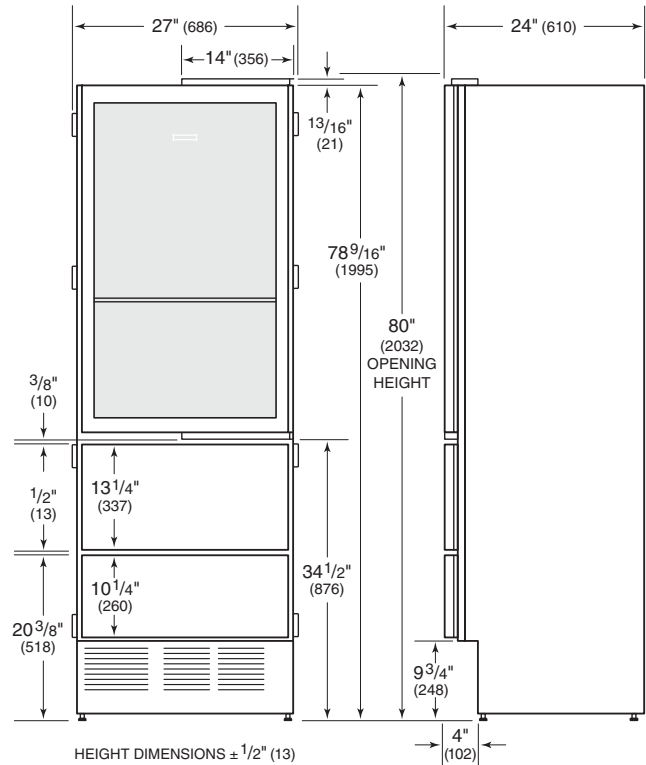
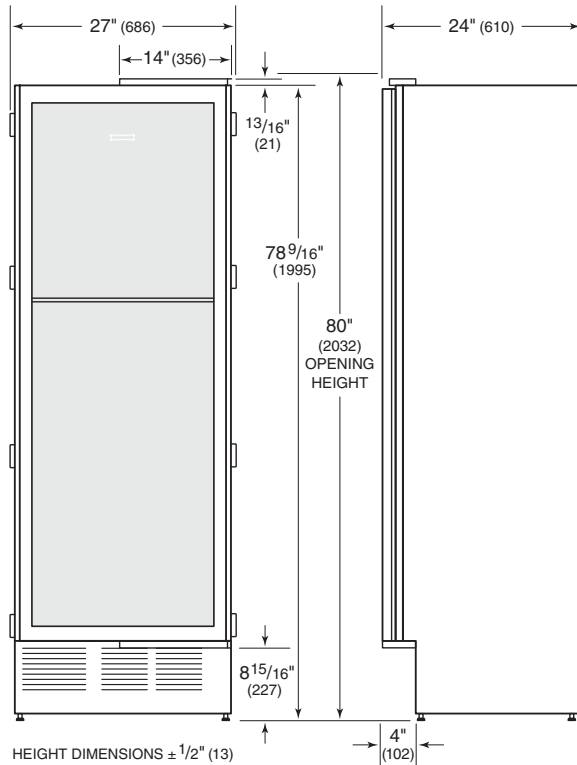
## Wine Storage

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## Overall Dimensions

## FULL-SIZE WINE STORAGE



## MODEL 427G

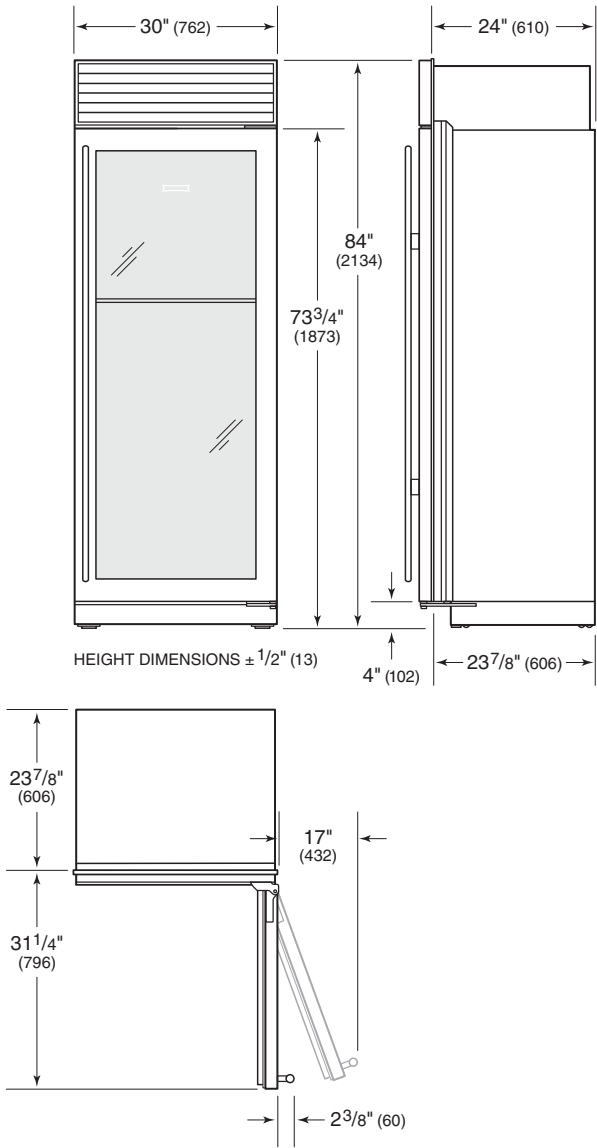
## MODEL 427RG

WITH REFRIGERATOR DRAWERS

Overall dimensions do not include panels or handles.

Overall Dimensions

FULL-SIZE WINE STORAGE



Capacity and Weight

Storage Capacity	Bottles (750 ml)	R cu ft (L)
315W	26	
424G	46	
427G	132	
427RG	78	5.3 (150)
WS-30	147	

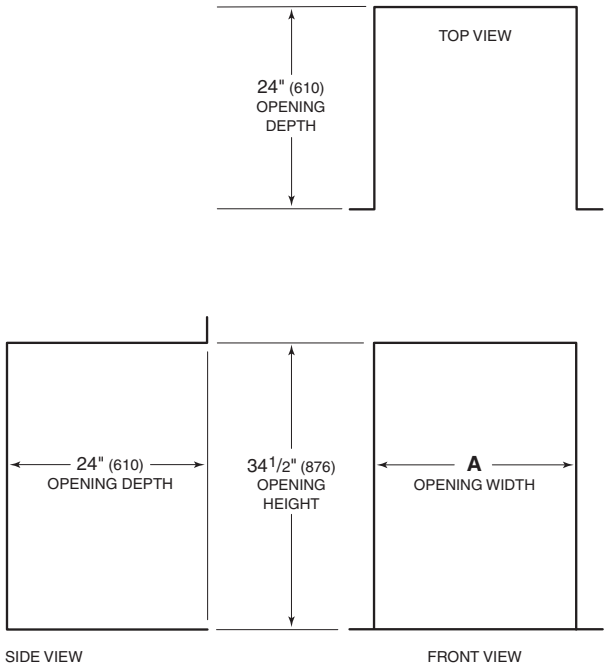
Shipping Weight	lbs (kg)
315W	118 (54)
424G	195 (88)
424FSG	220 (100)
427G	395 (179)
427RG	410 (186)
WS-30	445 (202)

MODEL WS-30

Overall dimensions are based on the stainless steel model.  
For flush inset applications, add 1/2" (13) to door clearance dimensions.

Opening Dimensions

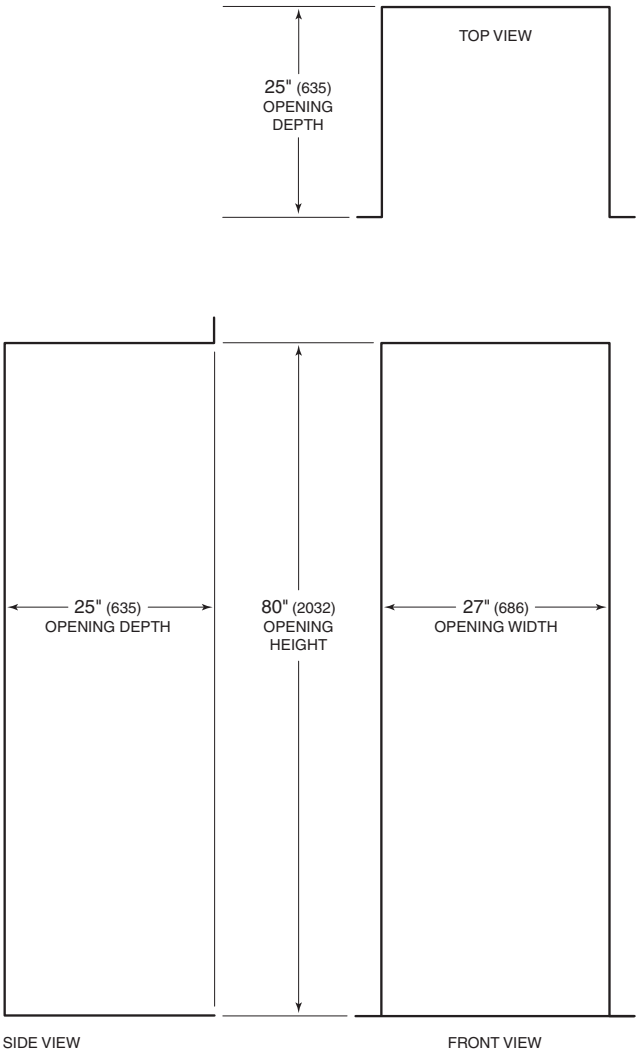
UNDERCOUNTER WINE STORAGE



MODELS 315W AND 424G

Opening Width	A
315W	15 1/4" (387)
424G	24" (610)

FULL-SIZE WINE STORAGE



MODELS 427G AND 427RG

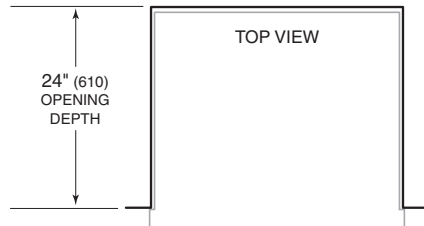
**IMPORTANT NOTE:** The depth of each integrated model is 24" (610) from the front of the unit to its back. Your design may necessitate moving the unit back or cabinets forward to achieve a flush fit. This will require a minimum rough opening depth of 25" (635).

## Wine Storage

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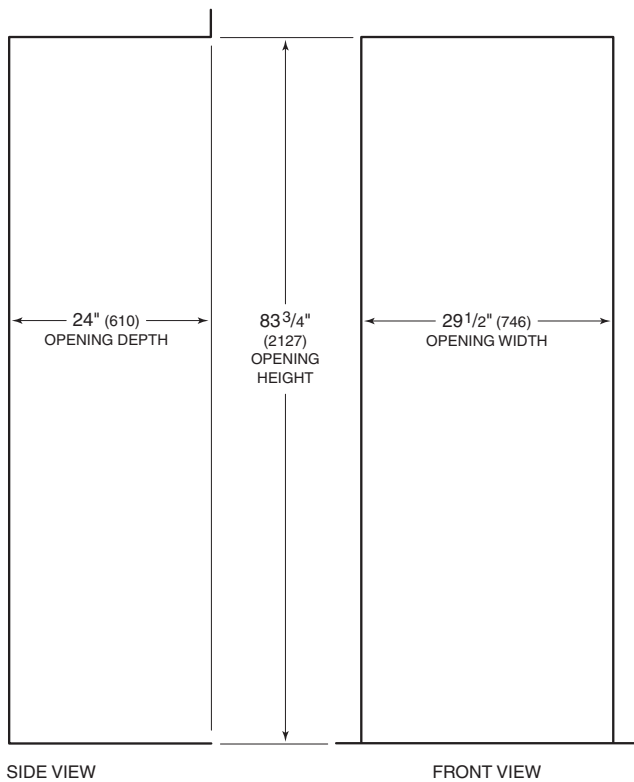
## Opening Dimensions

## FULL-SIZE WINE STORAGE



**IMPORTANT NOTE:** If an 83" (2108) grille height is specified, the opening height must be decreased by  $\frac{7}{8}$ " (22). If an 88" (2235) grille height is specified, the opening height increases by 4" (102).

If two units are installed side by side, refer to pages 30–31 for dual standard installations.



## MODEL WS-30

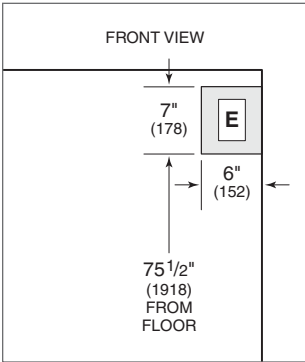
Planning Information

ELECTRICAL REQUIREMENTS

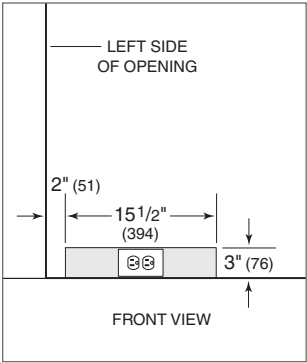
The electrical supply should be located within the shaded area shown in the illustration for your specific model. For model 315W, the electrical supply can be located anywhere on the back wall of the opening. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

If you will be connecting the unit to a home security system, you must allow a minimum of 36" (914) of the system's wiring to be routed in the electrical area designated for your model.

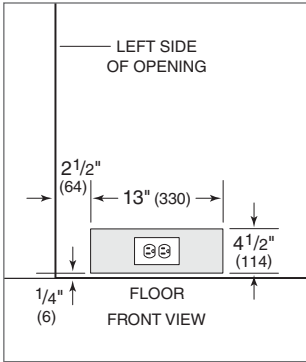
Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type



Model WS-30.



Model 424G.



Models 427G and 427RG.

## Wine Storage

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### Overlay Panels

#### MODELS 315W AND 424G

For models 315W and 424G, the overlay door panel will affix directly to the door with screws through a series of predrilled holes.

Do not install a solid panel on the glass door unit. This may cause moisture to form behind the panel. For model 424G, a solid door is available as a sales accessory and must be installed if a solid door panel is being specified. Service may be required to install the door. Contact your authorized Sub-Zero dealer for more information. For solid door dimensions, refer to the overall glass door panel dimensions. Refer to the charts for panel specifications.

**IMPORTANT NOTE:** The width of rails and stiles can be increased but should not exceed cabinet manufacturers' standard widths or the overall panel dimensions. The back sides of rails and stiles that will be visible through the glass door will need to be finished along with the inside edges of the frame.

#### Overlay Panels

##### PANEL DIMENSIONS

	W	H
315W	15" (381)	30 <sup>1</sup> / <sub>16</sub> " (764)
424G	23 <sup>3</sup> / <sub>4</sub> " (603)	30 <sup>1</sup> / <sub>16</sub> " (764)

#### Panel Requirements

##### MIN WIDTH

Stiles and Rails	2 <sup>1</sup> / <sub>4</sub> " (57)
------------------	--------------------------------------

##### MAX PANEL WEIGHT

Door Frame (315W)	10 lbs (5 kg)
Door Frame (424G)	10 lbs (5 kg)

##### MIN PANEL THICKNESS

Overlay Panels	5/8" (16)
----------------	-----------

### Door Clearance

#### MODELS 315W AND 424G

Models 315W and 424G can be installed flush with surrounding cabinetry. Depending on the thickness of the overlay door panel, it may be necessary to install the unit so that it extends 1/4" (6) beyond the front surface of surrounding cabinetry. This will prevent interference between the door panel and adjacent cabinetry up to a 145° door opening. Refer to the full-scale template on page 83.

### Freestanding Model 424FSG

Model 424FSG does not require any panels or surrounding cabinetry. It has a finished stainless steel exterior that is designed to be used in a freestanding application.



Integrated Panels

MODELS 427G AND 427RG

For models 427G and 427RG, the integrated door panel will affix directly to the door with screws through a series of predrilled holes. Drawer panels for model 427RG will be applied using the integrated mounting brackets.

Do not install a solid panel on the glass door unit. This may cause moisture to form behind the panel. A solid door is available as a sales accessory and must be installed if a solid door panel is being specified. Service may be required to install the door. Contact your authorized Sub-Zero dealer for more information. For solid door dimensions, refer to the overall glass door panel dimensions. Refer to the charts for panel specifications.

Panel dimensions listed in the chart, assume the models finish off at 80" (2032) in overall height and a 4" (102) toe kick for model 427G.

The height of the door panel can extend beyond the typical panel height, provided you do not exceed the panel weight limit. The toe kick clearance can vary with the height of the panel. Refer to specifications on page 59.

**IMPORTANT NOTE:** The width of rails and stiles can be increased but should not exceed cabinet manufacturers' standard widths or the overall panel dimensions. The back sides of rails and stiles that will be visible through the glass door will need to be finished along with the inside edges of the frame.

**IMPORTANT NOTE:** The depth of each integrated model is 24" (610) from the front of the unit to its back. Your design may necessitate moving the unit back or cabinets forward to achieve a flush fit.

An optional lock kit is available for models 427G and 427RG. Review the lock kit instructions to ensure your panels will allow for adequate installation. These instructions are available on our website, subzero.com/specs.

Integrated Panels		
427G	W	H
Door	26 <sup>3</sup> / <sub>4</sub> " (679)	75 <sup>7</sup> / <sub>8</sub> " (1927)
427RG	W	H
Door	26 <sup>3</sup> / <sub>4</sub> " (679)	45 <sup>3</sup> / <sub>8</sub> " (1153)
Top Drawer	26 <sup>3</sup> / <sub>4</sub> " (679)	13 <sup>9</sup> / <sub>16</sub> " (345)
Bottom Drawer	26 <sup>3</sup> / <sub>4</sub> " (679)	16 <sup>11</sup> / <sub>16</sub> " (424)

Panel Requirements	
MIN WIDTH	
Stiles	2 <sup>1</sup> / <sub>4</sub> " (57)
Top Rail	3 <sup>3</sup> / <sub>4</sub> " (95)
Bottom Rail (427G)	8" (203)
Bottom Rail (427RG)	3" (76)
MAX PANEL WEIGHT	
Door Frame	20 lbs (9 kg)
Drawer Panel (427RG)	12 lbs (5 kg)
MIN PANEL THICKNESS	
All Panels	<sup>5</sup> / <sub>8</sub> " (16)

DUAL INSTALLATIONS

For information on dual installations for models 427G and 427RG, refer to integrated dual installations on page 61.

## Wine Storage

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## Model WS-30

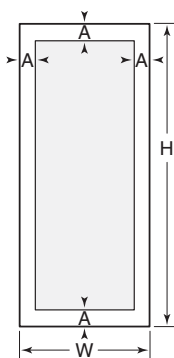
## FRAMED PANEL

If the thickness of the framed panel is less than  $\frac{1}{4}$ " (6), it must be backed up with a sheet of shim material to build the total thickness to  $\frac{1}{4}$ " (6). If the panel is thicker than  $\frac{1}{4}$ " (6), a routed edge must be provided around the panel to ensure a proper fit. Refer to the illustration below.

Routing, recessing or an extended handle may be required on raised panels for finger clearance under the handle.

**IMPORTANT NOTE:** Do not cover the glass door with a solid panel. The window cut-out edges of the framed panel will need to be finished, as they will be exposed.

## FRAMED PANEL SPECIFICATIONS



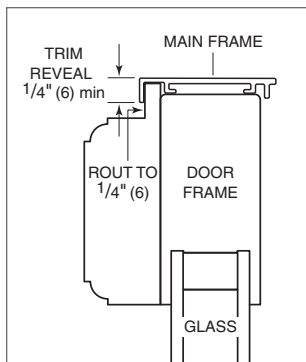
## Framed Panel Requirements

## MODEL WS-30

Max Panel Weight	75 lbs (34 kg)
Min Panel Thickness	$\frac{1}{4}$ " (6)

## WS-30 Framed

<b>DOOR</b>	<b>W</b>	<b>H</b>
Door Panel	29 $\frac{3}{4}$ " (756)	69 $\frac{9}{16}$ " (1767)
<b>WINDOW</b>	<b>W</b>	<b>H</b>
Cut-Out	23 $\frac{1}{2}$ " (597)	63 $\frac{5}{16}$ " (1608)
Location		3 $\frac{1}{8}$ " (79)



Raised framed panel.

## Wine Storage

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## Model WS-30

## OVERLAY PANEL

Overlay model WS-30 can be used in an overlay or flush inset application. The specific application will affect panel sizes, opening dimensions and the installation.

Overlay model WS-30 will be shipped without handle hardware and with an overlay panel grille as standard equipment. Along with the door panel, you will need to provide a panel for the grille and hardware to complement your surrounding cabinetry.

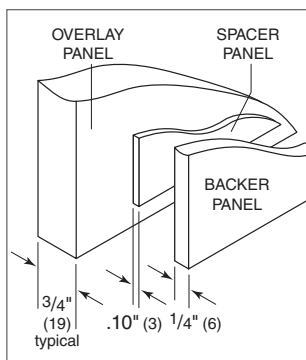
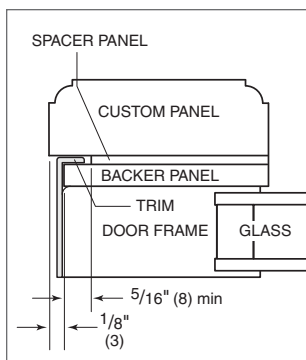
The overlay design allows the decorative panel to cover the door trim for a more seamless appearance. The most common way to achieve this look is to work with three panels—the decorative overlay panel, which is typically  $\frac{3}{4}$ " (19), a .10" (3) spacer panel and a  $\frac{1}{4}$ " (6) backer panel. Depending on your cabinet manufacturer, this could be one panel routed for different dimensions. The illustrations below will give you a better idea of the panel construction and how it interacts with our frame. The size of the overlay panel is critical, it must fit over the door frame.

**IMPORTANT NOTE:** Do not cover the glass door with a solid panel. The window cut-out edges of the overlay, spacer and backer panels will need to be finished, as they will be exposed.

## Overlay Panel Requirements

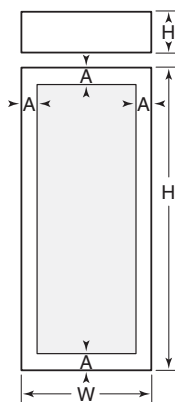
## MODEL WS-30

Max Panel Weight	75 lbs (34 kg)
Min Panel Thickness	$\frac{5}{8}$ " (16)



Panel assembly cross section. Panel assembly rear view.

## OVERLAY PANEL SPECIFICATIONS



## WS-30 Overlay

DOOR	W	H
Overlay Panel	30" (762)	69 $\frac{3}{4}$ " (1772)
Spacer Panel	29 $\frac{1}{8}$ " (740)	68 $\frac{15}{16}$ " (1751)
Backer Panel	29 $\frac{3}{4}$ " (756)	69 $\frac{9}{16}$ " (1767)
GRILLE	W	H
Overlay Panel	30" (762)	9 $\frac{1}{4}$ " (235)
Spacer Panel	29 $\frac{1}{8}$ " (740)	8 $\frac{5}{16}$ " (211)
Backer Panel	29 $\frac{3}{4}$ " (756)	8 $\frac{15}{16}$ " (227)
WINDOW	W	H
Cut-Out	23 $\frac{1}{2}$ " (597)	63 $\frac{1}{4}$ " (1607)
Location		A
		3 $\frac{1}{4}$ " (83)

Grille panel dimensions listed are for a standard 84" (2134) overall height of the unit. For an 83" (2108) overall height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) overall height, add 4" (102) to height dimensions.

## ⚠ CAUTION

Do not exceed overlay panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

## Wine Storage

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## Model WS-30

## FLUSH INSET PANEL

Overlay model WS-30 used in a flush inset application allows the decorative panel to cover the door trim for a seamless appearance. The most common way to achieve this look is to work with three panels—the decorative flush inset panel, which is typically  $\frac{3}{4}$ " (19), a .10" (3) spacer panel and a  $\frac{1}{4}$ " (6) backer panel. Depending on your cabinet manufacturer, this could be one panel routed for different dimensions. The illustrations below will give you a better idea of the panel construction and how it interacts with our frame. The size of the flush inset panel is critical, it must fit over the door frame.

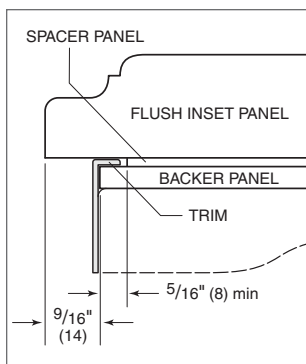
**IMPORTANT NOTE:** Do not cover the glass door with a solid panel. The inside edges of the rough opening as well as the sides and a portion of the back side of the decorative panels will need to be finished, as they will be exposed when the doors are open. The window cut-out edges of the overlay, spacer and backer panels will also need to be finished.

**IMPORTANT NOTE:** For flush inset panels thicker than  $\frac{3}{4}$ " (19), a 90° door stop may be required to prevent interference with adjacent cabinets.

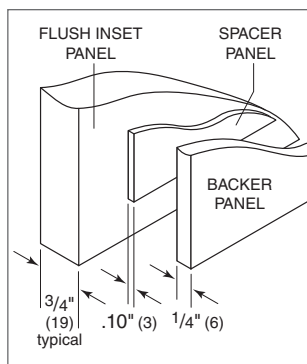
## Flush Inset Panel Requirements

## MODEL WS-30

Max Panel Weight	75 lbs (34 kg)
Min Panel Thickness	$\frac{5}{8}$ " (16)

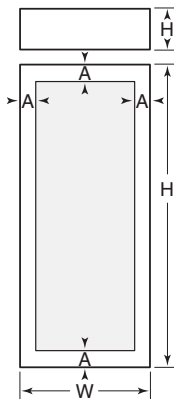


Panel assembly cross section.



Panel assembly rear view.

## FLUSH INSET PANEL SPECIFICATIONS



## WS-30 Flush Inset

DOOR	W	H
Flush Inset Panel	31" (787)	69 $\frac{3}{4}$ " (1772)
Spacer Panel	29 $\frac{1}{8}$ " (740)	68 $\frac{15}{16}$ " (1751)
Backer Panel	29 $\frac{3}{4}$ " (756)	69 $\frac{9}{16}$ " (1767)
GRILLE	W	H
Flush Inset Panel	31" (787)	9 $\frac{1}{4}$ " (235)
Spacer Panel	29 $\frac{1}{8}$ " (740)	8 $\frac{5}{16}$ " (211)
Backer Panel	29 $\frac{3}{4}$ " (756)	8 $\frac{15}{16}$ " (227)
WINDOW	W	H
Cut-Out	23 $\frac{1}{2}$ " (597)	62 $\frac{1}{4}$ " (1581)
Location		A
		3 $\frac{3}{4}$ " (95)

Grille panel dimensions listed are for a standard 84" (2134) overall height of the unit. For an 83" (2108) overall height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) overall height, add 4" (102) to height dimensions.

**CAUTION**

Do not exceed flush inset panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

## Wine Storage

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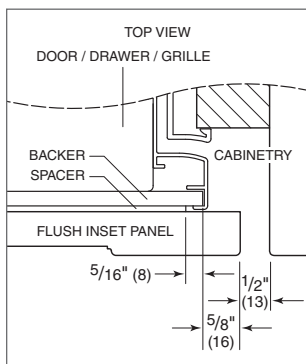
subzero.com/specs

## Model WS-30

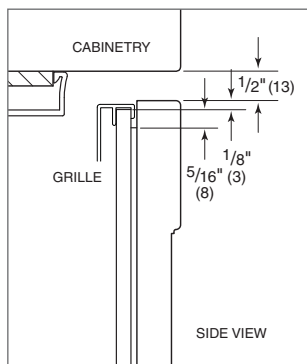
## FLUSH INSET PANEL

Illustrations A–D provide panel offsets and reveals for model WS-30 in a flush inset application. Refer to the chart below for reference to the illustrations

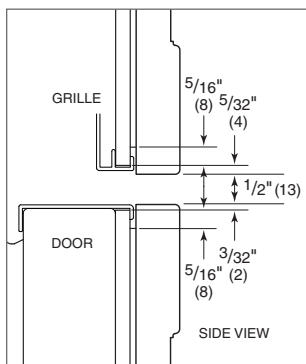
Panel Offsets	Illus.
<b>MODEL WS-30</b>	
Door / Grille Sides	A
Grille Top	B
Grille Bottom / Door Top	C
Door Bottom	D



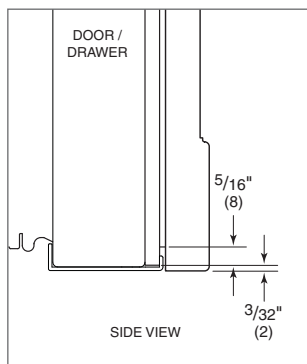
Illus. A



Illus. B



Illus. C



Illus. D

## DUAL INSTALLATIONS

When two models WS-30 or a model WS-30 and built-in unit are installed side by side, a dual installation kit may be required. Contact your authorized Sub-Zero dealer for the proper components and installation instructions. For questions relative to the installation, call Sub-Zero at 800-222-7820. For local dealer information, visit the find a showroom section of our website, subzero.com.

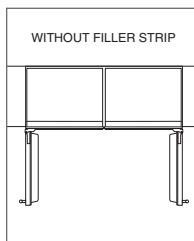
## DUAL STANDARD INSTALLATIONS

Two framed, overlay or stainless steel units may be placed side by side in a dual installation. Some dual standard installations will require a dual installation kit, available through your authorized Sub-Zero dealer.

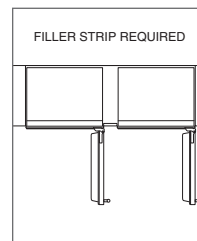
A custom filler strip can be used in between two units in a framed, overlay or stainless steel design application. It is recommended that the filler strip be at least 2" (51) wide, to prevent condensation between the units. Be sure to add the filler strip width to your rough opening width.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip.

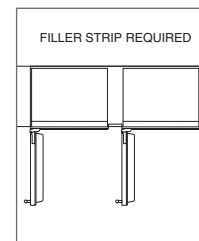
**IMPORTANT NOTE:** For the application shown in illustration A, a dual installation accessory kit is required.



Illus. A



Illus. B



Illus. C

## Wine Storage

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## Model WS-30

## DUAL FLUSH INSET INSTALLATIONS

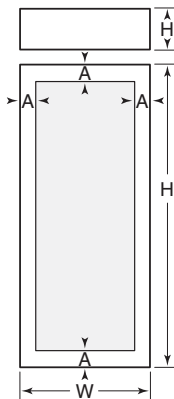
Installing two models WS-30 or a model WS-30 and built-in unit side by side in a flush inset application will require adjustments to the dimensions of your finished rough opening, panel sizes and panel offsets. It will also require a dual installation kit, available through your authorized Sub-Zero dealer.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip. Illustration A is the only application that will accommodate the dual wide grille.

**IMPORTANT NOTE:** The application shown in illustration A can only be achieved by installing dual flush inset panels. Failure to install dual flush inset panels will cause the handle side of the panels to collide when closing. In this application a dual installation accessory kit is also required.

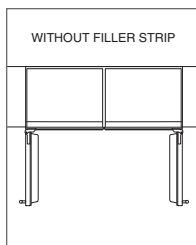
Dual flush inset panels and dual installation kits are available through your authorized Sub-Zero dealer. Refer to the illustration and chart for dual flush inset panel specifications.

## DUAL FLUSH INSET PANEL SPECIFICATIONS

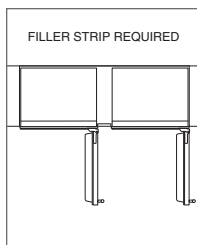


## WS-30 Dual Flush Inset

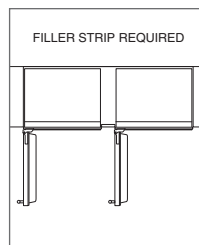
DOOR	W	H
Flush Inset Panel	30 <sup>1</sup> / <sub>2</sub> " (775)	69 <sup>3</sup> / <sub>4</sub> " (1772)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	68 <sup>15</sup> / <sub>16</sub> " (1751)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	69 <sup>9</sup> / <sub>16</sub> " (1767)
GRILLE	W	H
Flush Inset Panel	30 <sup>1</sup> / <sub>2</sub> " (775)	9 <sup>1</sup> / <sub>4</sub> " (235)
Spacer Panel	29 <sup>1</sup> / <sub>8</sub> " (740)	8 <sup>5</sup> / <sub>16</sub> " (211)
Backer Panel	29 <sup>3</sup> / <sub>4</sub> " (756)	8 <sup>15</sup> / <sub>16</sub> " (227)
WINDOW	W	H
Cut-Out	23" (584)	62 <sup>1</sup> / <sub>4</sub> " (1581)
Location		3 <sup>3</sup> / <sub>4</sub> " (95)



Illus. A



Illus. B



Illus. C

Grille panel dimensions listed are for a standard 84" (2134) overall height of the unit. For an 83" (2108) overall height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) overall height, add 4" (102) to height dimensions.

## Wine Storage

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## Model WS-30

## DUAL FLUSH INSET PANELS

When installing two models WS-30 or a model WS-30 and built-in unit side by side in a flush inset application, you must decrease the width of the decorative flush inset panels by  $\frac{1}{2}$ " (13). Adjustments to the panel offsets will also need to be made. These adjustments are needed to achieve a proper fit and to ensure the panels do not collide when closing. Panel dimensions in the chart below have been adjusted to reflect the decrease in panel dimensions.

**IMPORTANT NOTE:** If a filler strip is not used, dual installations can only be accomplished using two units with opposite hinges.

Illustrations A–E provide panel offsets and reveals for model WS-30 in a flush inset application. Refer to the chart below for reference to the illustrations. All reveals are  $\frac{1}{2}$ " (13) unless otherwise specified.

**CAUTION**

Do not exceed the flush inset decorative panel dimensions. Exceeding dimensions could cause damage to the panels and the Sub-Zero unit.

## Panel Offsets

Illus.

## MODEL WS-30

Doors (hinge) / Grille Sides

A

Doors (handle) Sides

B

Grille Top

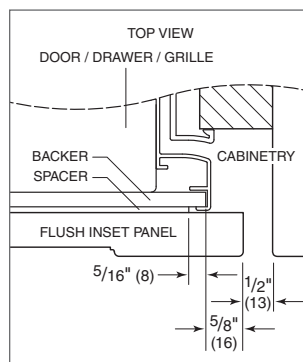
C

Grille Bottom / Door Top

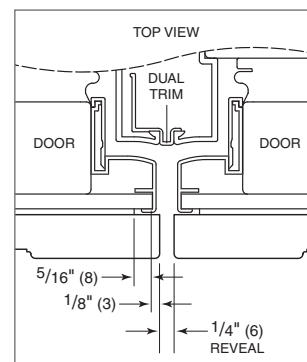
D

Door Bottom

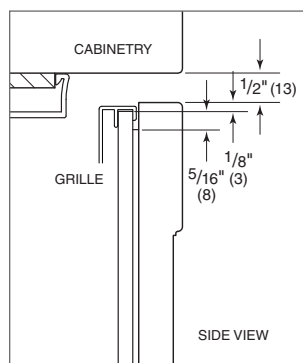
E



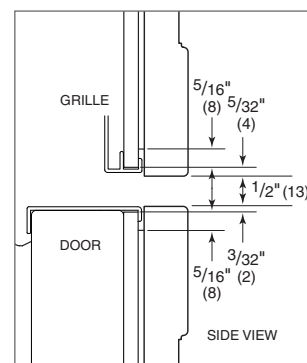
Illus. A



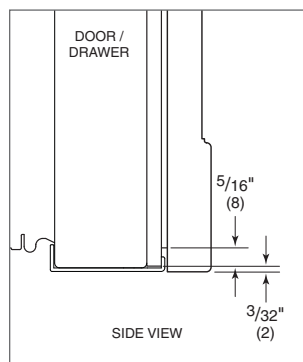
Illus. B



Illus. C



Illus. D



Illus. E

## Wine Storage

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### Side Panels

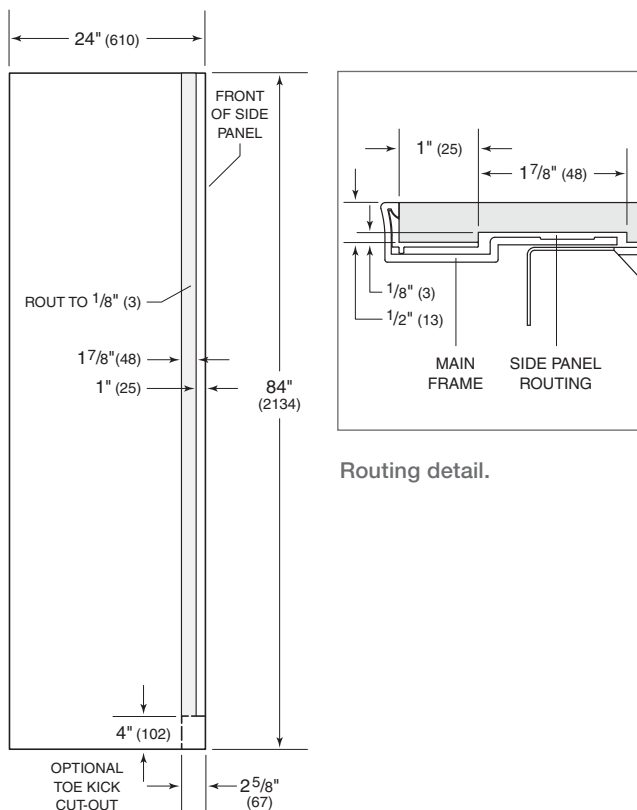
#### MODEL WS-30

When planning for side panels with the installation of the model WS-30, you need to be aware of the space configuration to achieve a pleasing fit. Depending on the exact panel you are using, the height of the panel may vary.

**IMPORTANT NOTE:** The use of side panels may change the width of your rough opening.

When installing a model WS-30 with a custom side panel, an accessory kit is required. Stainless steel side panels are also available through your authorized Sub-Zero dealer.

The side panel will need to be a minimum of 24" (610) deep and 1/2" (13) thick. Refer to the illustrations below for side panel dimensions. Routing will be necessary so that the side panel fits flush against the side of the unit.



Side panel dimensions.

### Handle Hardware

For overlay and integrated models, handle hardware must be provided. Optional stainless steel tubular and pro handles are available through your authorized Sub-Zero dealer.

The door frame has numerous mounting holes on each side to accommodate handle hardware. Using the pre-drilled holes to attach the handle will provide the best alignment and strength.

**IMPORTANT NOTE:** Refer to the full-scale template at the end of this section for a profile of the door frame and position of the glass. Do not drill through the glass.



## Wine Storage

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subzero.com/specs

### Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, subzero.com.

- Stainless steel front panel with tubular or pro handle.
- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.
- Grille for an 83" (2108) or 88" (2235) finished height for model WS-30.
- Side panel in stainless steel or white enamel and stainless steel kickplate for model WS-30.
- Full-length standard or extended framed handle for model WS-30.
- Dual installation kit.
- UL approved door lock.
- 90° door stop for model WS-30.
- Harness kit for Star-K compliance.

### STANDARD HANDLES

Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on wine storage models.

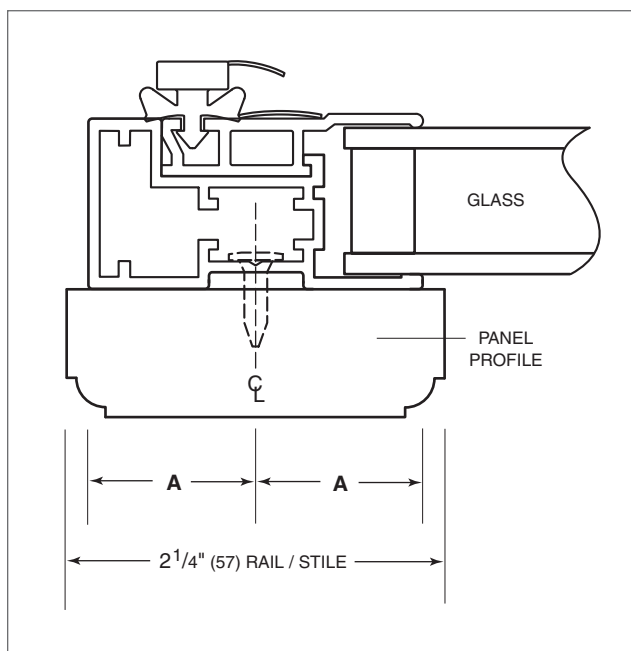
Standard Handles	Length	Stud Spacing
<b>315W, 424G, 424FSG, 427RG DRAWERS</b>		
Tubular Handle	24 <sup>3</sup> / <sub>16</sub> " (614)	16 <sup>1</sup> / <sub>4</sub> " (413)
Pro Handle	21" (533)	19 <sup>11</sup> / <sub>16</sub> " (500)
<b>427G AND 427RG DOOR</b>		
Tubular Handle	41 <sup>3</sup> / <sub>16</sub> " (1046)	33 <sup>1</sup> / <sub>4</sub> " (845)
Pro Handle	39 <sup>9</sup> / <sub>16</sub> " (1006)	38 <sup>5</sup> / <sub>16</sub> " (973)
<b>WS-30</b>		
Tubular Handle	63 <sup>7</sup> / <sub>8</sub> " (1622)	43 <sup>7</sup> / <sub>8</sub> " (1114)
Pro Handle	45 <sup>3</sup> / <sub>16</sub> " (1147)	43 <sup>7</sup> / <sub>8</sub> " (1114)

### Door Frame Profile

#### FULL-SCALE TEMPLATE

The full-scale template below shows an example of the door frame profile for wine storage models and the relationship to the overlay panel (rails and stiles).

Dimension	A
424G and 315W	1" (25)
427G and 427RG	7/8" (22)
WS-30	15/16" (24)



#### DOOR FRAME PROFILE

MODEL 424G SHOWN

### Wine Shelf Wood Facing

#### FULL-SCALE TEMPLATE

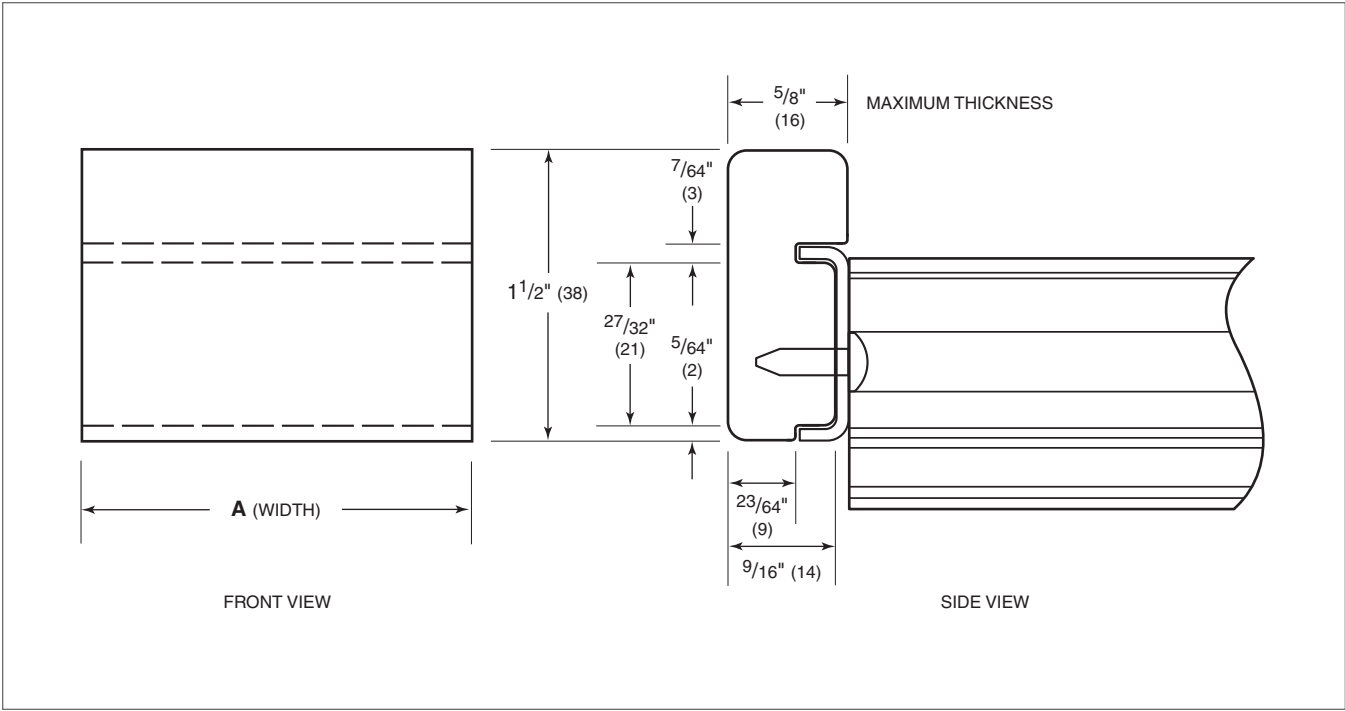
For each model, the wine storage shelves have a natural cherrywood facing. You can replace these strips with wood more complementary to your design and surrounding cabinetry. Refer to the full-scale template below.

To remove the cherry strips, take the shelves out and remove the screws. Reverse the procedure to affix the new wood facing.

**IMPORTANT NOTE:** If you choose to stain or seal the wood facing, be aware that some of these substances are hazardous and will damage stored wine.

Dimension	A
315W	10 <sup>15</sup> / <sub>16</sub> " (278)
424G and 424FSG	19 <sup>1</sup> / <sub>2</sub> " (495)
427G and 427RG	20 <sup>15</sup> / <sub>16</sub> " (532)
WS-30	24 <sup>9</sup> / <sub>16</sub> " (624)

Dimensions will vary for model 315W. Refer to specifications on our website, subzero.com.



#### WINE SHELF WOOD FACING

WINE STORAGE MODELS

## Wine Storage

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subzero.com/specs

BUILT-IN

PRO 48

INTEGRATED

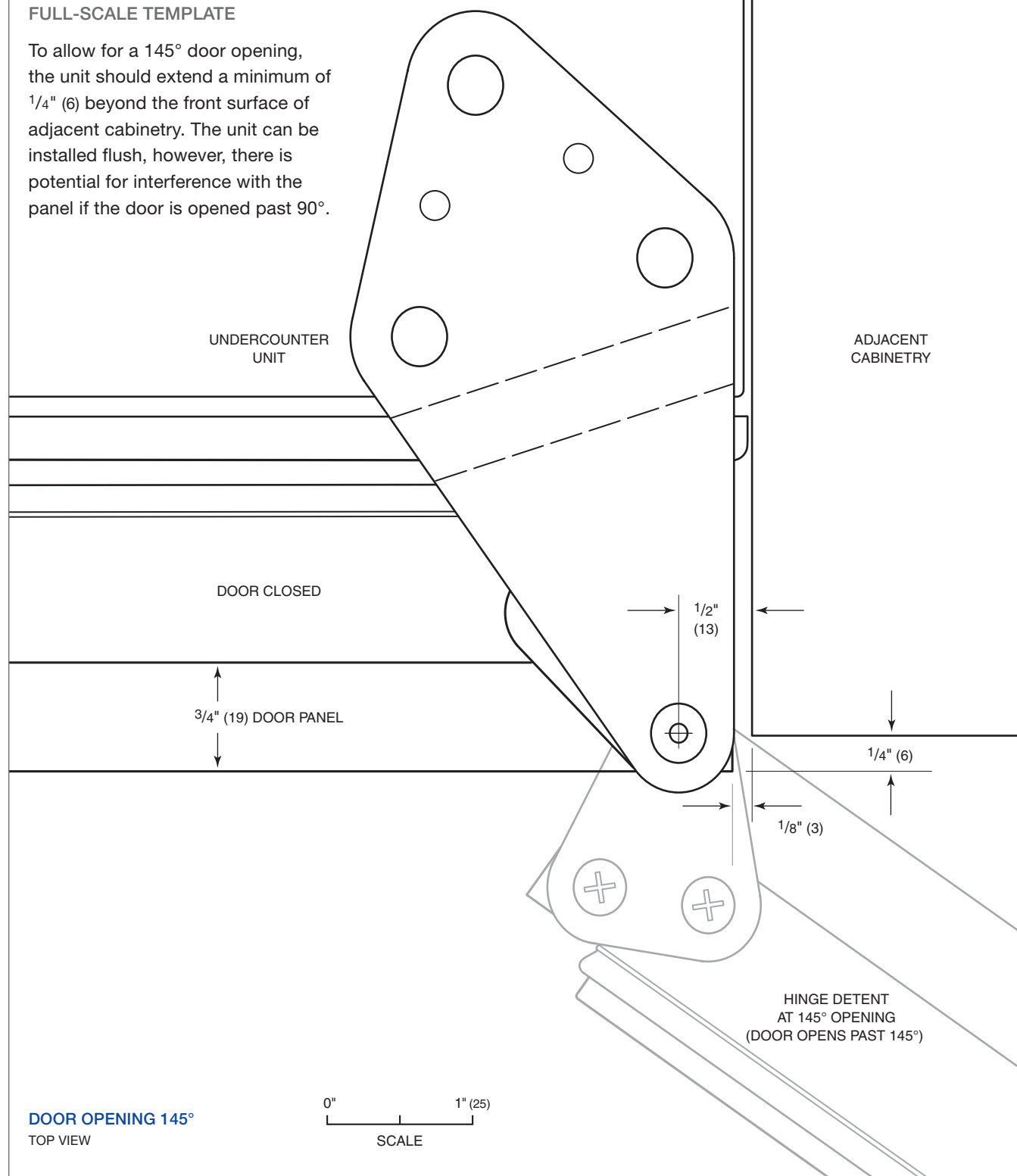
WINE STORAGE

UNDERCOUNTER

## Door Clearance—Undercounter Models

## FULL-SCALE TEMPLATE

To allow for a 145° door opening, the unit should extend a minimum of 1/4" (6) beyond the front surface of adjacent cabinetry. The unit can be installed flush, however, there is potential for interference with the panel if the door is opened past 90°.







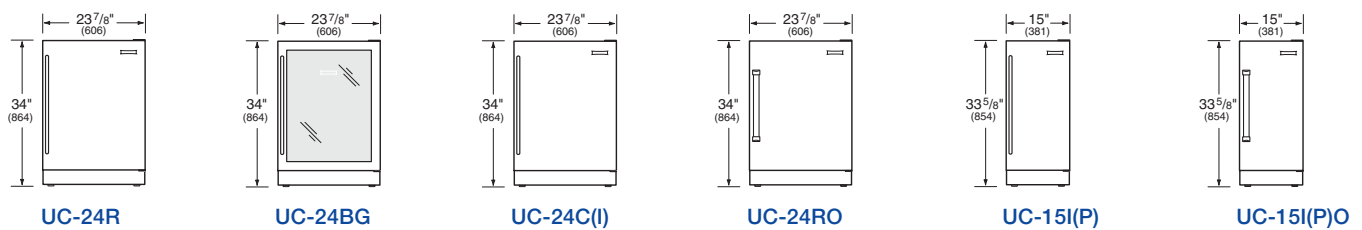
## Undercounter Refrigeration

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**Undercounter Refrigeration.** Sub-Zero undercounter refrigeration is a helpful addition to a master suite, bar, home office or media room. In the kitchen, a high-volume ice machine is a must for entertaining. The design flexibility of these compact yet roomy units makes them all the more welcome in any room or outdoor kitchen. They're ready to be fitted with a custom cabinet panel or can be ordered with a stainless steel panel.

### UNDERCOUNTER MODELS



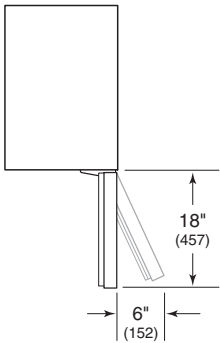
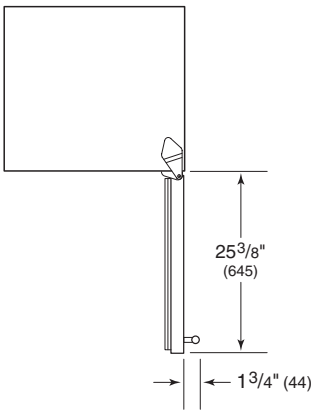
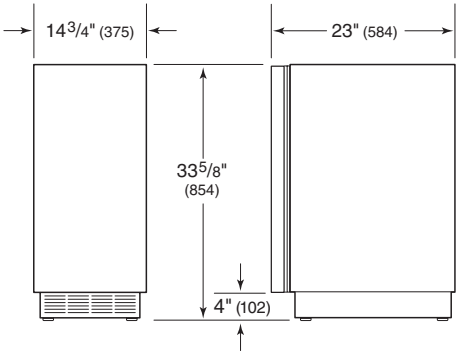
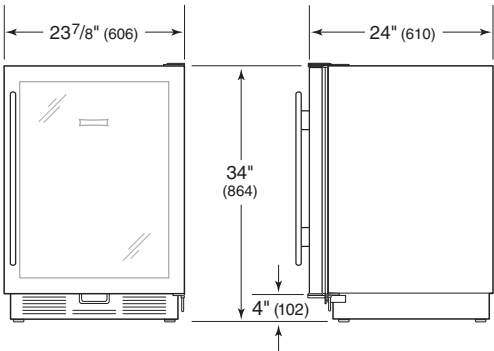
### KEY FEATURES

- Overlay and stainless steel design applications.
- Handle options coordinate with handles of Wolf cooking products.
- Models UC-24RO and UC-15I(P)O are UL approved for outdoor use.
- Energy efficient; many models are ENERGY STAR® qualified.
- Star-K certified (except ice machine models).

Undercounter Refrigeration

Overall Dimensions

UNDERCOUNTER MODELS



MODELS UC-24R, UC-24BG, UC-24C(I) AND UC-24RO

Refer to page 83 for door clearance information.

MODELS UC-15I(P) and UC-15I(P)O

Model UC-15I overall dimensions do not include panel or handle.

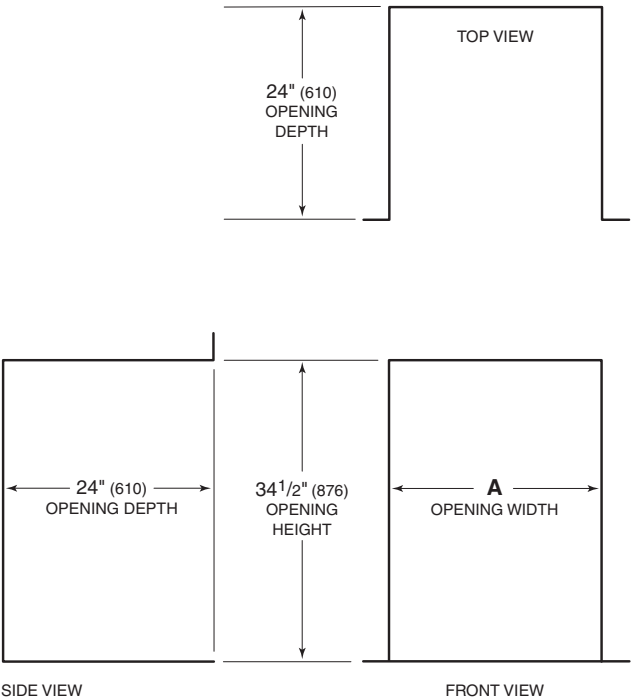
Specifications

Capacity / Weight		
INTERIOR CAPACITY	R CU FT (L)	F CU FT (L)
UC-24R, UC-24BG and UC-24RO	5.7 (161)	
UC-24C(I)	3.6 (102)	1.1 (31)
ICE STORAGE CAPACITY	LBS (KG)	
UC-15I(P) and UC-15I(P)O	26 (12)	
SHIPPING WEIGHT	LBS (KG)	
UC-24R, UC-24BG, UC-24C(I) and UC-24RO	130 (59)	
UC-15I(P) and UC-15I(P)O	100 (45)	



Opening Dimensions

UNDERCOUNTER MODELS



Opening Width	A
UC-24R, UC-24BG, UC-24C(I) and UC-24RO	24" (610)
UC-15I(P) and UC-15I(P)O	15 1/4" (387)

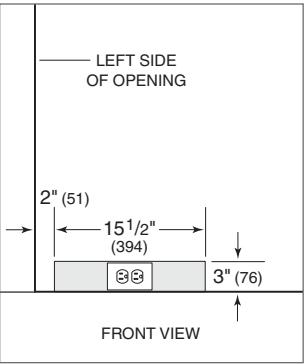
Planning Information

ELECTRICAL REQUIREMENTS

For ice machine models, it is recommended that electrical supply be placed in an adjacent cabinet. For all other undercounter models, locate the electrical supply within the shaded area shown in the illustration below. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required.

**IMPORTANT NOTE:** Models UC-24RO and UC-15I(P)O are designed and safe for use in outdoor applications. When installed outdoors, a ground fault circuit interrupter (GFCI) is required to reduce the risk of electrical shock. A GFCI is not recommended for use with other undercounter models and may cause interruption of operation.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type



Location of electrical supply.

## Undercounter Refrigeration

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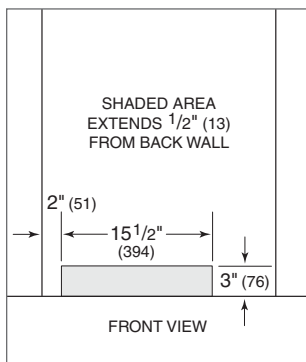
## Planning Information

## PLUMBING REQUIREMENTS

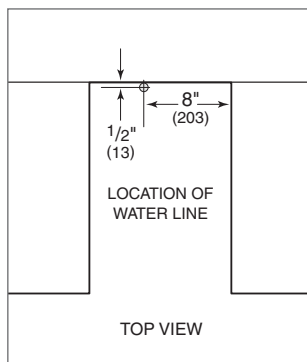
For model UC-24CI and ice machine models, the water supply line should be located within the shaded area shown in the illustrations below. The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer.

**IMPORTANT NOTE:** A reverse osmosis system can be used provided there is constant water pressure of 20–100 psi (1.4–6.9 bar) supplied to model UC-24CI, and 20–80 psi (1.4–5.5 bar) to model UC-15I at all times. A copper line is not recommended for this application.

Plumbing Requirements	
Water Supply Line	1/4" OD copper, braided stainless steel or PEX tubing
Water Pressure (UC-24I)	20–100 psi (1.4–6.9 bar)
Water Pressure (UC-15I)	20–80 psi (1.4–5.5 bar)
Excess Water Line for Connection	26" (660) min



Model UC-24CI.



Ice machine models.

## Drain Pump

## ICE MACHINE MODELS

Undercounter ice machine models can be ordered with or without a pump. Models without a drain pump will drain water from the unit by gravity. A drain must be installed.

The drain and inlet water tubes must be plumbed before connecting to the ice machine. For the gravity drain, all horizontal runs of drain lines must have a 1/4" (6) per 12" (305) fall. An air gap will likely be required between the unit and drain receptacle. A stand pipe with a trap below it would be acceptable for the drain receptacle.

**IMPORTANT NOTE:** Poor drainage will cause excessive ice melting in the ice bin.



### Overlay Panel

MODELS UC-24R, UC-24C(I) AND UC-15I(P)

The overlay design allows for a decorative panel to cover the door trim for a seamless appearance that will complement surrounding cabinetry. You may also choose to match the handle hardware of surrounding cabinetry. Refer to the charts for panel specifications.

#### MODEL UC-24BG

For model UC-24BG, the overlay door panel will affix directly to the door with screws through a series of predrilled holes.

Do not install a solid panel on the glass door unit. This may cause moisture to form behind the panel. A solid door is available as a sales accessory and must be installed if a solid door panel is being specified. Service may be required to install the door. Contact your authorized Sub-Zero dealer for more information. For solid door dimensions, refer to the overall glass door panel dimensions. Refer to the charts for panel specifications.

**IMPORTANT NOTE:** The width of rails and stiles can be increased but should not exceed cabinet manufacturers' standard widths or the overall panel dimensions. The back sides of rails and stiles that will be visible through the glass door will need to be finished along with the inside edges of the frame.

Panel Dimensions		
UC-24R AND UC-24C(I) Overlay Panel	W	H
	23 <sup>3</sup> / <sub>4</sub> " (603)	30 <sup>1</sup> / <sub>16</sub> " (764)
UC-24BG Overlay Panel	W	H
	23 <sup>3</sup> / <sub>4</sub> " (603)	30 <sup>1</sup> / <sub>16</sub> " (764)
Rails and Stiles (min)	2 <sup>1</sup> / <sub>4</sub> " (57)	
UC-15I(P) Overlay Panel	W	H
	15" (381)	30 <sup>3</sup> / <sub>8</sub> " (772)

Panel Requirements	
MAX PANEL WEIGHT	
UC-24R and UC-24C(I)	20 lbs (9 kg)
UC-24BG	10 lbs (5 kg)
UC-15I(P)	15 lbs (7 kg)
MIN PANEL THICKNESS	
Overlay Panels	<sup>5</sup> / <sub>8</sub> " (16)

### Door Clearance

MODELS UC-24R, UC-24BG AND UC-24C(I)

Undercounter models can be installed flush with surrounding cabinetry. Depending on the thickness of the overlay door panel, it may be necessary to install the unit so that it extends <sup>1</sup>/<sub>4</sub>" (6) beyond the front surface of surrounding cabinetry. This will prevent interference between the door panel and adjacent cabinetry up to a 145° door opening. Refer to the full-scale template on page 83.

## Undercounter Refrigeration

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### Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, [subzero.com](http://subzero.com).

- Stainless steel front panel with tubular or pro handle.
- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.
- UL approved door lock.

### STANDARD HANDLES

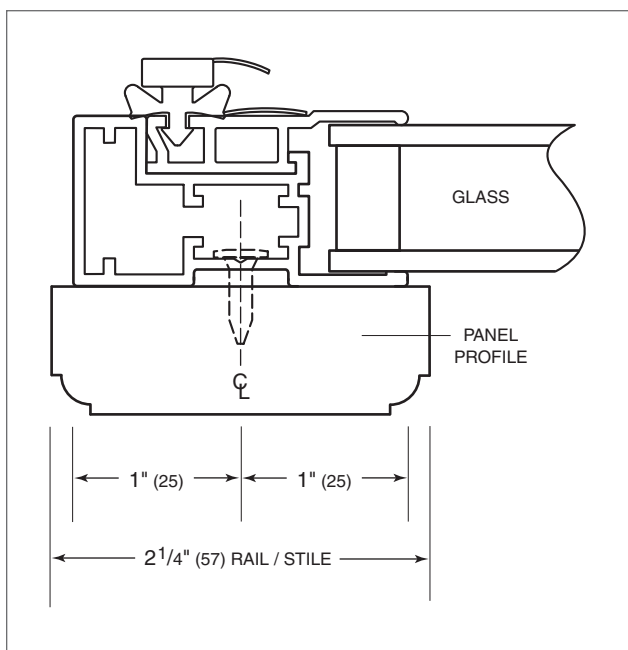
Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on undercounter models.

Standard Handles	Length	Stud Spacing
<b>UNDERCOUNTER MODELS</b>		
Tubular Handle	24 <sup>3</sup> / <sub>16</sub> " (614)	16 <sup>1</sup> / <sub>4</sub> " (413)
Pro Handle	21" (533)	19 <sup>11</sup> / <sub>16</sub> " (500)

### Door Frame Profile

#### FULL-SCALE TEMPLATE

The full-scale template shows the door frame profile for model UC-24BG and the relationship to the overlay panel (rails and stiles).



#### DOOR FRAME PROFILE

MODEL UC-24BG

## Undercounter Refrigeration

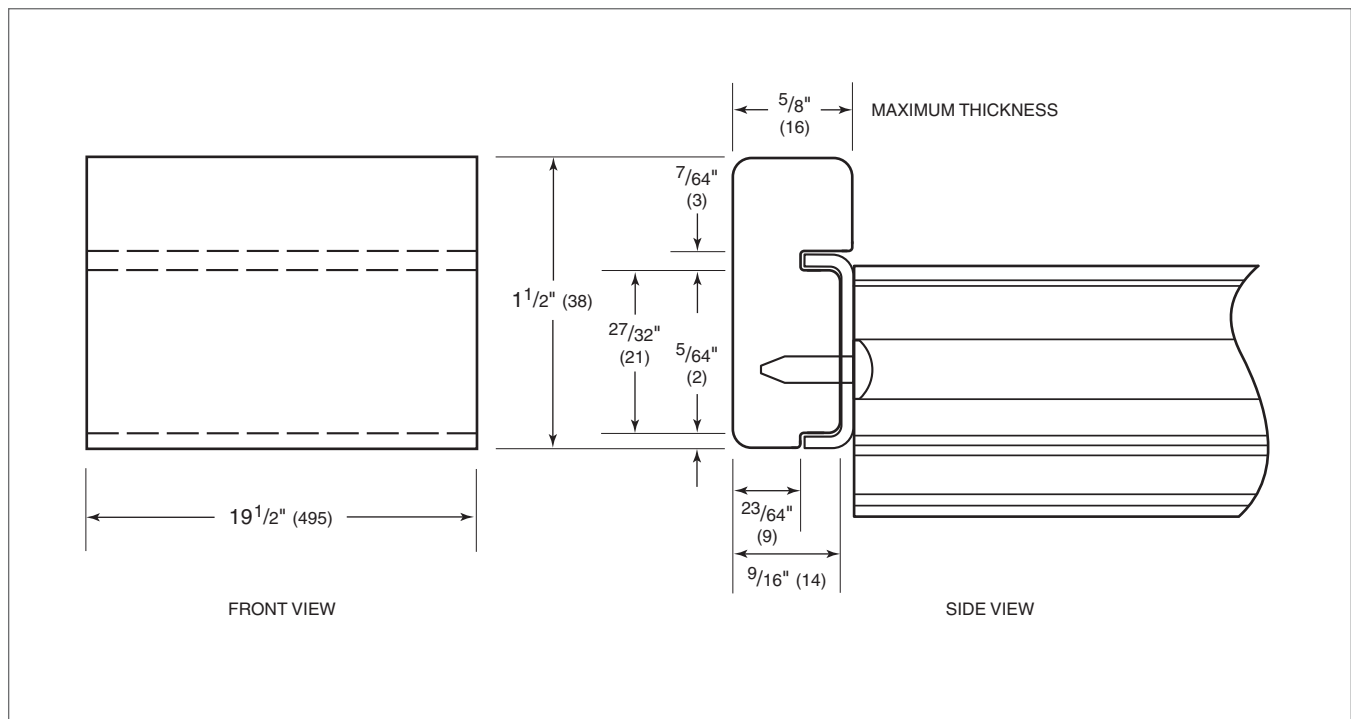
91

subzero.com/specs

## Wine Shelf Wood Facing

## FULL-SCALE TEMPLATE

For models UC-24BG and UC-24C(I), follow dimensions in the full-scale template below if you choose to replace the natural cherrywood facing of the wine shelves with wood more complementary to your design and surrounding cabinetry.



## WINE SHELF WOOD FACING

MODELS UC-24BG AND UC-24C(I)

## Sub-Zero Products Limited Warranty

FOR RESIDENTIAL USE ONLY

### FULL TWO YEAR WARRANTY\*

For two years from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, any part of the product that proves to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

### FULL FIVE YEAR SEALED SYSTEM WARRANTY

For five years from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, the compressor, condenser, evaporator, drier and all connecting tubing that prove to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

### LIMITED TWELVE YEAR SEALED SYSTEM WARRANTY

For twelve years from the date of original installation, your Sub-Zero product warranty covers all parts to repair or replace, under normal residential use, the compressor, condenser, evaporator, drier and all connecting tubing that prove to be defective in materials or workmanship.

### TERMS APPLICABLE TO EACH WARRANTY

The warranty applies only to products installed for normal residential use. The warranty applies only to products installed in any one of the fifty states of the United States, the District of Columbia or the ten provinces of Canada. This warranty does not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service or repair.

**THE REMEDIES DESCRIBED ABOVE FOR EACH WARRANTY ARE THE ONLY ONES THAT SUB-ZERO, INC. WILL PROVIDE, EITHER UNDER THIS WARRANTY OR UNDER ANY WARRANTY ARISING BY OPERATION OF LAW. SUB-ZERO, INC. WILL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM THE BREACH OF THIS WARRANTY OR ANY OTHER WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights that vary from state to state.

To receive parts and/or service and the name of Sub-Zero factory certified service nearest you, contact Sub-Zero, Inc., P.O. Box 44848, Madison, WI 53744; check the contact & support section of our website, [subzero.com](http://subzero.com) or call 800-222-7820.

\*Stainless steel doors, panels, handles, product frames and interior surfaces are covered by a limited 60-day parts and labor warranty for cosmetic defects.

\*Replacement water filters and air purification cartridges are not covered by the product warranty.



## Sub-Zero Outdoor Products Limited Warranty

PRODUCT MUST BE APPROVED FOR OUTDOOR USE, DESIGNATED BY MODEL AND SERIAL NUMBER  
FOR RESIDENTIAL USE ONLY

### FULL ONE YEAR WARRANTY\*

For one year from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, any part of the product that proves to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

### FULL FIVE YEAR SEALED SYSTEM WARRANTY

For five years from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, the compressor, condenser, evaporator, drier and all connecting tubing that prove to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

### TERMS APPLICABLE TO EACH WARRANTY

The warranty applies only to products installed for normal residential use. The warranty applies only to products installed in any one of the fifty states of the United States, the District of Columbia or the ten provinces of Canada. This warranty does not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service or repair.

**THE REMEDIES DESCRIBED ABOVE FOR EACH WARRANTY ARE THE ONLY ONES THAT SUB-ZERO, INC. WILL PROVIDE, EITHER UNDER THIS WARRANTY OR UNDER ANY WARRANTY ARISING BY OPERATION OF LAW. SUB-ZERO, INC. WILL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM THE BREACH OF THIS WARRANTY OR ANY OTHER WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights that vary from state to state.

To receive parts and/or service and the name of Sub-Zero factory certified service nearest you, contact Sub-Zero, Inc., P.O. Box 44848, Madison, WI 53744; check the contact & support section of our website, subzero.com or call 800-222-7820.

\*Stainless steel doors, panels, handles, product frames and interior surfaces are covered by a limited 60-day parts and labor warranty for cosmetic defects.

\*Replacement water filters are not covered by the product warranty.







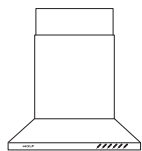
**SUB-ZERO**

SUB-ZERO, INC. P. O. BOX 44848 MADISON, WI 53744 SUBZERO.COM 800.222.7820

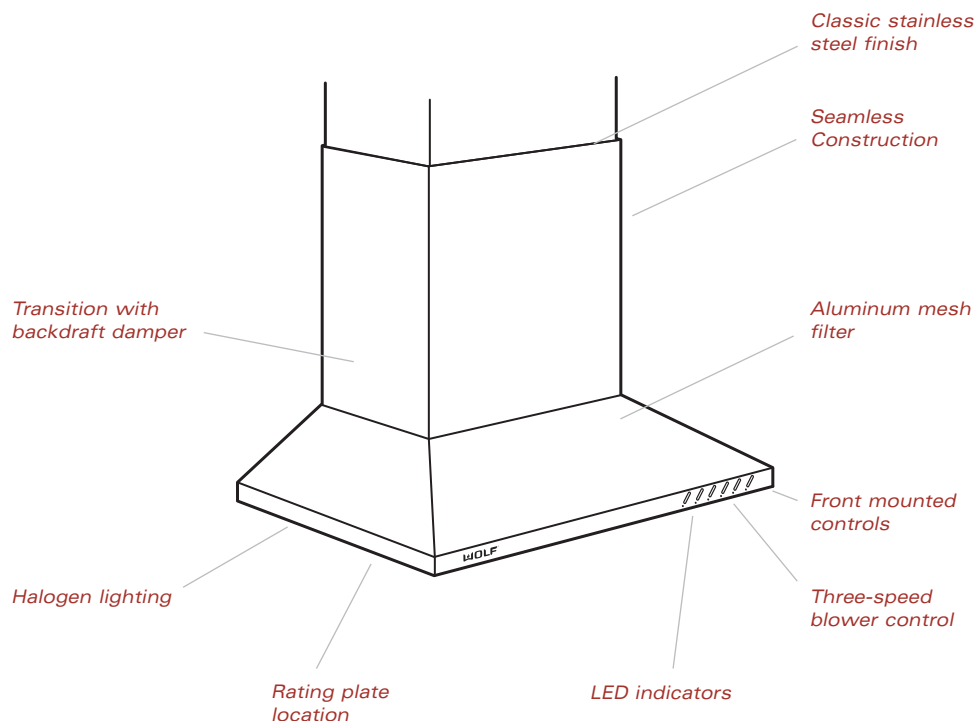
SZDG

8/2012

## 30" (762) Cooktop Wall Hood Model CTWH30



Model CTWH30



► Wolf cooktop wall ventilation hoods are available in the classic stainless steel finish. Cooktop wall hoods are sold as a shell only, internal and remote blower options are available.

**P**owerful multi-speed blowers draw odors and smoke into the five-layer mesh filter. Filters remove easily for cleaning. The sculpted classic stainless steel shape not only provides the power you expect from Wolf, but also the beauty you have come to appreciate as well.

This wall mount cooktop hood is 30" (762) wide by 21" (533) deep. It has a telescopic chimney flue that allows you to reach a ceiling height of 8' (2.4 m) to 9' (2.7 m) with a finished look. A flue extension to accommodate 10' (3 m) ceilings is available as a sales accessory.

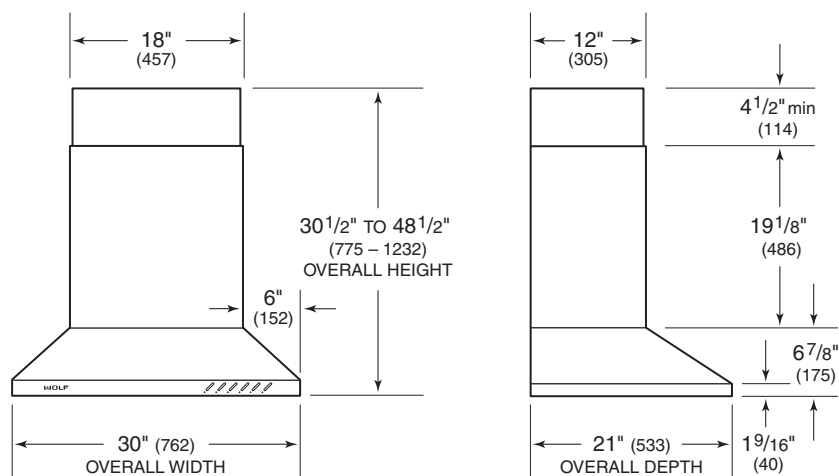
Wolf cooktop wall hoods are recommended for use with Wolf electric, gas and integrated modules. For Wolf dual fuel ranges, gas ranges and rangetops, it is necessary that a Pro ventilation hood be used.

## 30" (762) Cooktop Wall Hood Model CTWH30

### FEATURES

- ▶ Classic stainless steel finish
- ▶ Internal or remote blower options
- ▶ Front mounted controls with LED indicator
- ▶ Heavy-duty stainless steel seamless construction
- ▶ Three-speed blower control
- ▶ Variable speed blowers
- ▶ Filter clean timer lets you know when the filter needs cleaning
- ▶ Delay-off mode automatically turns unit off
- ▶ Sealed halogen lighting with three settings
- ▶ Stainless steel filter cover with dishwasher safe aluminum mesh filter
- ▶ Heat sentry feature automatically turns unit on when heat is sensed and automatically adjusts blower speed
- ▶ Transition with backdraft damper included
- ▶ Fits 8' (2.4 m) to 9' (2.7 m) ceilings – flue extension to accommodate 10' (3 m) ceilings is available as a sales accessory
- ▶ UL listed to US and Canadian safety standards
- ▶ Two and five year residential warranty – exclusions apply; warranty information can be found on our website, wolfappliance.com

### OVERALL DIMENSIONS ▼

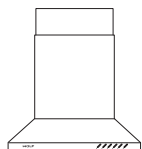


Dimensions may vary by  $\pm 1/8"$  (3).

Dimensions in parentheses are in millimeters unless otherwise specified.



## 30" (762) Cooktop Wall Hood Model CTWH30



Model CTWH30

### ACCESSORIES

- ▶ 30" (762) wall shield
- ▶ Flue extension to accommodate 10' (3 m) ceilings
- ▶ 8" (203) to 10" (254) round transition

*Accessories are available through your Wolf dealer. To obtain local dealer information, visit the Locator section of our website, [wolfappliance.com](http://wolfappliance.com).*

### SPECIFICATIONS ▼

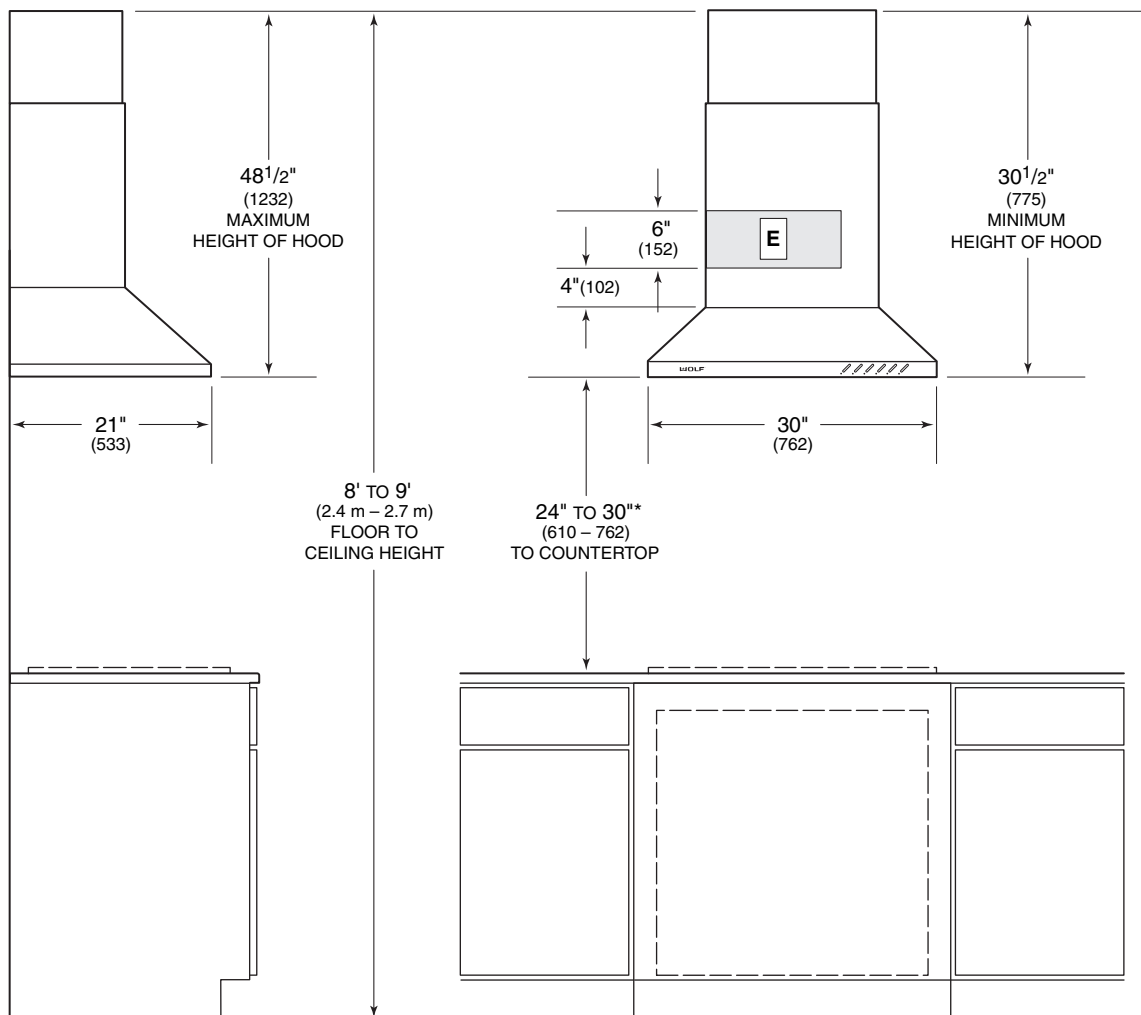
Overall Width	30" (762)
Overall Height (excluding chimney)	6 <sup>7</sup> / <sub>8</sub> " (175)
Overall Height (including chimney)	30 <sup>1</sup> / <sub>2</sub> " (775)
Maximum Height (full extension)	48 <sup>1</sup> / <sub>2</sub> " (1232)
Overall Depth	21" (533)
Internal Blower Option	450 CFM
Remote Blower Options	600, 900, 1200 or 1500 CFM
Transition	8" (203) to 10" (254) round
Duct Size	8" (203) round
Discharge	Vertical
Electrical Supply Requirements	110/120 V AC, 60 Hz 15 amp dedicated circuit
Shipping Weight	85 lbs (39 kg)

*Specifications are subject to change without notice.*

*Dimensions may vary by ±1/8" (3).*

*Dimensions in parentheses are in millimeters unless otherwise specified.*

## 30" (762) Cooktop Wall Hood Model CTWH30



### DIMENSIONS

Overall Width of Hood	30" (762)
Floor to Ceiling Height	8' (2.4 m) to 9' (2.7 m)
Countertop to Bottom of Hood	24" (610) to 30" (762)
Minimum Height of Hood (fully collapsed)	30 1/2" (775)
Maximum Height of Hood (full extension)	48 1/2" (1232)
Location of Electrical	Within shaded area

See Installation Instructions shipped with unit for detailed specifications.

Dimensions may vary by  $\pm 1/8$ " (3).

Dimensions in parentheses are in millimeters unless otherwise specified.

## 30" (762) and 36" (914) Cooktop Wall Hoods Models CTWH30 and CTWH36

### INSTALLATION NOTES

► Refer to the illustrations and specifications for overall dimensions and installation specifics.

► Wolf cooktop wall hoods are recommended for use with Wolf electric, gas and integrated modules, and should be at least as wide as the cooking surface.

**IMPORTANT NOTE:** Wolf Pro ventilation hoods must be used with Wolf dual fuel ranges, gas ranges and rangetops.

► Wolf cooktop wall hoods come with a telescopic chimney flue that allows you to reach a ceiling height of 8' (2.4 m) to 9' (2.7 m) with a finished look. A flue extension to accommodate 10' (3 m) ceilings is available as a sales accessory.

► Installation of the cooktop wall hood should be 24" (610) to 30" (762) from the bottom of the hood to the countertop. Follow the dimensions shown in the Installation illustration.

**IMPORTANT NOTE:** 8' (2.4 m) ceilings will not allow for a 30" (762) maximum height above the countertop. Based on a 36" (914) high countertop, an 8' (2.4 m) ceiling will allow for a maximum height above the countertop of 29<sup>1</sup>/<sub>2</sub>" (749) for Model CTWH30 and 27<sup>5</sup>/<sub>16</sub>" (694) for Model CTWH36.

► Wolf cooktop wall hoods are shipped without a blower assembly. Internal or remote blower assemblies are available. Blower options also vary with the volume of air that needs to be moved and the length of the duct run. Refer to page 8 for ventilation recommendations and blower options.

**IMPORTANT NOTE:** Install this ventilation hood only with a Wolf blower.

► Wolf cooktop wall hoods require a separate, grounded 110/120 V AC, 60 Hz power supply. The service should have its own 15 amp circuit breaker. Placement of the outlet is not critical, as long as you provide a minimum of 12" (305) of 120 V AC, 60 Hz power cable. Locate electrical within the shaded area shown in the Installation illustration.

► You must follow all National Electrical Code regulations. In addition, be aware of local codes and ordinances when installing your service.

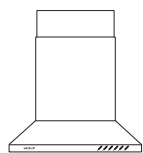
► Wolf cooktop wall hoods have an 8" (203) round vertical discharge.

► Refer to the installation instructions shipped with each Wolf product for detailed specifications. This information can also be found on our website, wolfappliance.com.

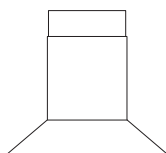
*Dimensions may vary by  $\pm 1/8$ " (3).*

*Dimensions in parentheses are in millimeters unless otherwise specified.*

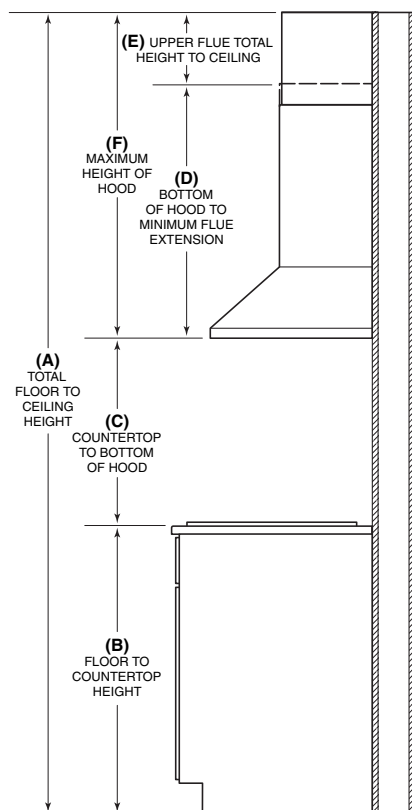
## 30" (762) and 36" (914) Cooktop Wall Hoods Models CTWH30 and CTWH36



Model CTWH30



Model CTWH36



### WALL HOOD PLACEMENT

Wolf cooktop wall ventilation hoods come with a telescopic chimney flue that allows you to reach a ceiling height of 8' (2.4 m) to 9' (2.7 m) with a finished look. A flue extension to accommodate 10' (3 m) ceilings is available.

Installation of the wall hood should be 24" (610) to 30" (762) from the bottom of the hood to the countertop.

**IMPORTANT NOTE:** 8' (2.4 m) ceilings will not allow for a 30" (762) maximum height above the countertop. Based on a 36" (914) high countertop, an 8' (2.4 m) ceiling will allow for a maximum height above the countertop of 29<sup>1</sup>/<sub>2</sub>" (749) for Model CTWH30 and 27<sup>5</sup>/<sub>16</sub>" (694) for Model CTWH36.

**IMPORTANT NOTE:** Both sections of the telescopic chimney flue must be installed in order for the chimney to be lifted for service.

To determine placement of the cooktop wall hood, you must calculate the height of the telescopic chimney flue. Refer to the illustration and chart below.

#### To calculate the height of the telescopic chimney flue:

- 1) First measure **A** (total kitchen height from finished floor to finished ceiling height).
- 2) Next measure **B** (height from finished floor to countertop).
- 3) Then determine the minimum **C** value (distance from countertop to bottom of hood). Refer to the chart for ceiling heights from 8' (2.4 m) to 9' (2.7 m). Dimension **C** must be greater than 24" (610) and less than 30" (762).
- 4) To determine the upper flue section height:  $E = A - (C + B + D)$ .

**IMPORTANT NOTE:** If dimension **E** falls between 0" (0) and 1<sup>1</sup>/<sub>2</sub>" (13), you will need to modify the flue to affix to the flue attachment brackets. For ease of installation, Wolf recommends that dimension **E** be no less than 1<sup>1</sup>/<sub>2</sub>" (13).

### MODEL CTWH30

(A)	(B)	(C)	(D)	(E)	(F)
96" (2438)	36" (914)	24" (610) min	30 <sup>1</sup> / <sub>2</sub> " (775)	5 <sup>1</sup> / <sub>2</sub> " (140)	48 <sup>1</sup> / <sub>2</sub> " (1232)
96" (2438)	36" (914)	29 <sup>1</sup> / <sub>2</sub> " (749) max	30 <sup>1</sup> / <sub>2</sub> " (775)	0"	48 <sup>1</sup> / <sub>2</sub> " (1232)
108" (2743)	36" (914)	24" (610) min	30 <sup>1</sup> / <sub>2</sub> " (775)	17 <sup>1</sup> / <sub>2</sub> " (445)	48 <sup>1</sup> / <sub>2</sub> " (1232)
108" (2743)	36" (914)	30" (762) max	30 <sup>1</sup> / <sub>2</sub> " (775)	11 <sup>1</sup> / <sub>2</sub> " (292)	48 <sup>1</sup> / <sub>2</sub> " (1232)

### MODEL CTWH36

(A)	(B)	(C)	(D)	(E)	(F)
96" (2438)	36" (914)	24" (610) min	32 <sup>11</sup> / <sub>16</sub> " (830)	3 <sup>5</sup> / <sub>16</sub> " (84)	50 <sup>7</sup> / <sub>8</sub> " (1292)
96" (2438)	36" (914)	27 <sup>5</sup> / <sub>16</sub> " (694) max	32 <sup>11</sup> / <sub>16</sub> " (830)	0"	50 <sup>7</sup> / <sub>8</sub> " (1292)
108" (2743)	36" (914)	24" (610) min	32 <sup>11</sup> / <sub>16</sub> " (830)	15 <sup>7</sup> / <sub>16</sub> " (392)	50 <sup>7</sup> / <sub>8</sub> " (1292)
108" (2743)	36" (914)	30" (762) max	32 <sup>11</sup> / <sub>16</sub> " (830)	9 <sup>5</sup> / <sub>16</sub> " (237)	50 <sup>7</sup> / <sub>8</sub> " (1292)

Letters correspond to those in the illustration.

Dimensions may vary by ± 1/8" (3).

Dimensions in parentheses are in millimeters unless otherwise specified.

## 30" (762) and 36" (914) Cooktop Wall Hoods Models CTWH30 and CTWH36

### DUCTING CONSIDERATIONS

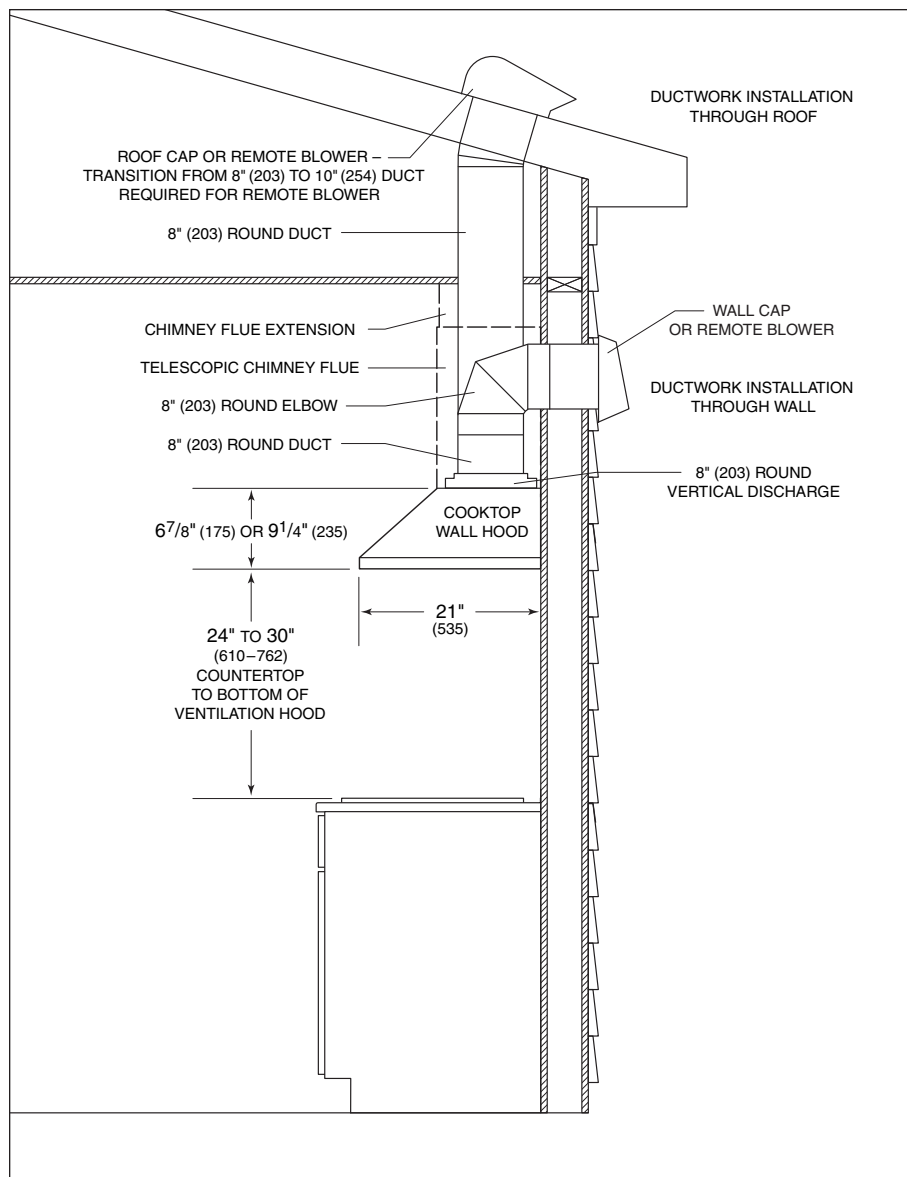
Wolf cooktop wall hoods are shipped without the blower assembly. Internal or remote blower assemblies are available. The remote blower can be mounted on the roof or an exterior wall.

Cooktop wall hoods have an 8" (203) round vertical discharge. The ventilation hood will operate most efficiently when ductwork does not exceed 50' (12 m) in length. Ducting can run through the roof or through an external wall as shown in the illustration below.

**IMPORTANT NOTE:** All Wolf cooktop hoods must be vented to the outside. Use only metal ductwork.

Local building codes may require the use of make-up air. Consult your local HVAC professional for specific requirements in your area.

**IMPORTANT NOTE:** Install this ventilation hood only with a Wolf blower.

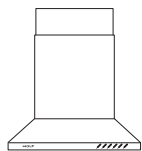


*Ducting considerations for 30" (762) and 36" (914) cooktop wall hoods.*

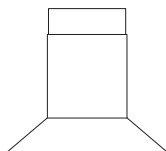
*Dimensions may vary by  $\pm 1/8"$  (3).*

*Dimensions in parentheses are in millimeters unless otherwise specified.*

## 30" (762) and 36" (914) Cooktop Wall Hoods Models CTWH30 and CTWH36



Model CTWH30



Model CTWH36

### VENTILATION RECOMMENDATIONS

Wolf cooktop ventilation hoods are sold as a shell only, an internal or remote blower will be required.

Refer to the charts below for minimum CFM requirements for Wolf cooktops and blower options for the cooktop wall and island hoods.

**IMPORTANT NOTE:** CFM recommendations are based on total Btu/hr output. Wolf recommends 1 CFM per 100 Btu/hr (.03 kW). Additional CFM may be required for long duct runs.

### COOKTOP VENTILATION CFM RECOMMENDATIONS

#### Cooktop Hoods and Downdrafts

	CTWH30	CTWH36	IH4227
<b>Electric Cooktops</b>			
Model CT15E	215*	215*	215*
Model CT30E	450	600	600
Model CT30EU	450	600	600
Model CT36E		600	600
Model CT36EU		600	600

	CTWH30	CTWH36	IH4227
<b>Gas Cooktops</b>			
Model CT15G	215*	215*	215*
Model CT30G	450	600	600
Model CT36G		600	600

	CTWH30	CTWH36	IH4227
<b>Modules</b>			
Model CT15I	215*	215*	215*
Model IG15	215*	215*	215*
Model IS15	215*	215*	215*
Model IF15	215*	215*	215*
Model IM15	215*	215*	215*

*\*Use these requirements to determine total CFM when installing multiple cooktops.*

*CFM recommendations are based on total Btu/hr output. Wolf recommends 1 CFM per 100 Btu/hr (.03 kW). Additional CFM may be required for long duct runs.*

## 30" (762) and 36" (914) Cooktop Wall Hoods Models CTWH30 and CTWH36

### COOKTOP VENTILATION **BLOWER OPTIONS**

#### Cooktop Ventilation Hoods

Blower Description	Blower Number	Cooktop Hood Models
450 CFM Internal	CTBLOWER-45INT (801643)	CTWH30
600 CFM Internal	CTBLOWER-60INT (801644)	CTWH36 / IH4227
900 CFM Internal	CTBLOWER-90INT (801645)	CTWH36 / IH4227
600 CFM Remote	BLOWER-60REM (801640)	CTWH30 / CTWH36 / IH4227
900 CFM Remote	BLOWER-90REM (801641)	CTWH30 / CTWH36 / IH4227
1200 CFM Remote	BLOWER-120REM (801642)	CTWH30 / CTWH36 / IH4227
1500 CFM Remote	BLOWER-150REM (804701)	CTWH30 / CTWH36 / IH4227

*Transition is not required for internal blowers; remote blowers require TRANS-8-10. Backdraft damper included with wall and island hoods.*

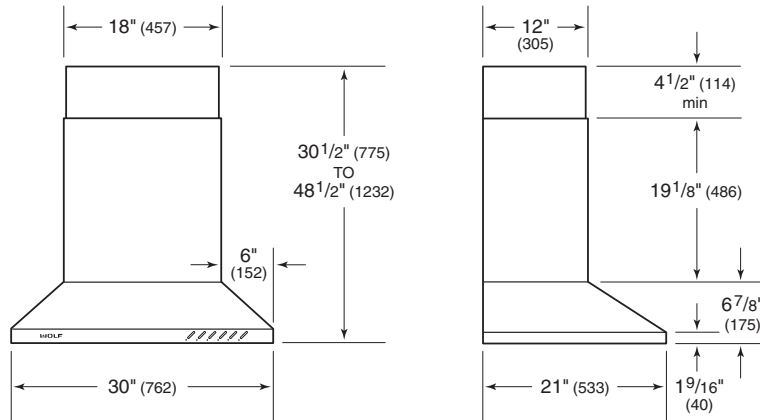
*Blower configurations are for reference only. Please refer to minimum CFM recommendations for your specific cooking product. Always consult a qualified HVAC Engineer for specific applications.*

## Cooktop Chimney Hood Specifications

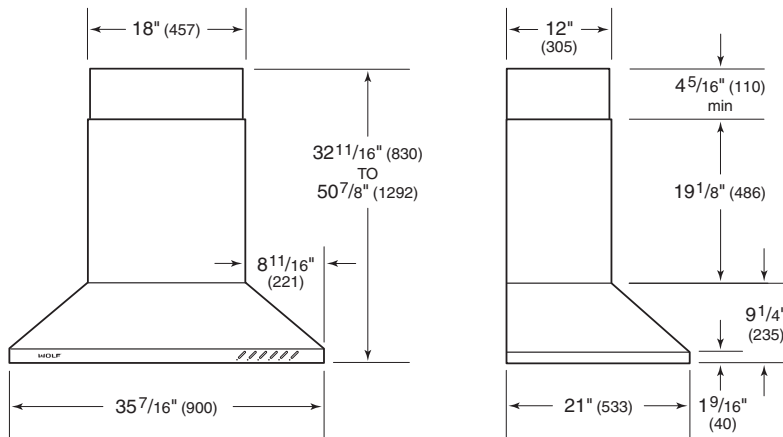
4

### Overall Dimensions

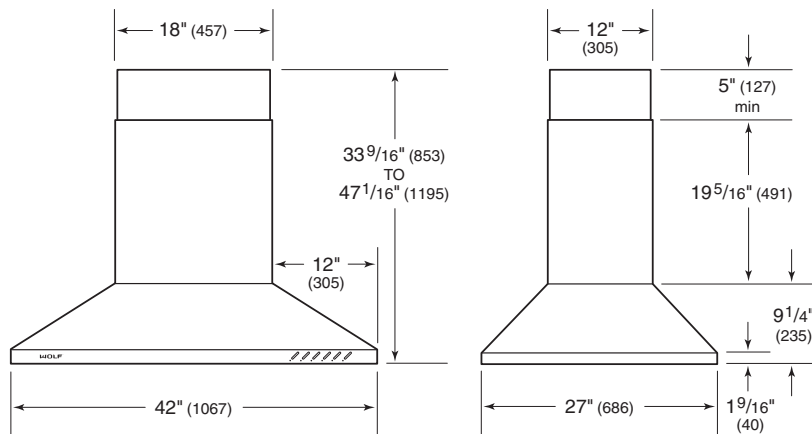
#### 30" (762) WALL HOOD



#### 36" (914) WALL HOOD



#### 42" (1067) ISLAND HOOD





## Cooktop Chimney Hood Specifications

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### Hood Placement

Wolf cooktop chimney wall and island hoods come with a telescopic chimney flue that allows you to reach a ceiling height of 8' (2.4 m) to 9' (2.7 m) with a finished look. A flue extension to accommodate 10' (3 m) ceilings is available through your authorized Wolf dealer. For local dealer information, visit the find a showroom section of our website, wolfappliance.com.

Installation of the cooktop chimney hood should be 24" (610) to 30" (762) from the bottom of the hood to the countertop. To determine placement of the hood, you must calculate the height of the telescopic chimney flue. The minimum and maximum flue extension for each cooktop chimney hood is listed in the chart.

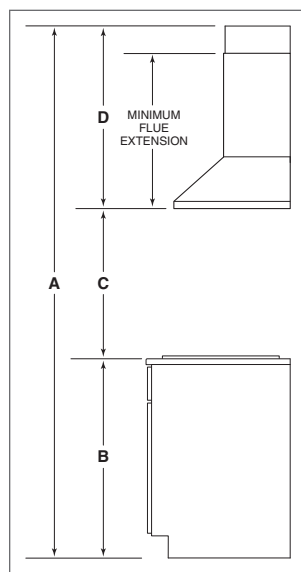
Both sections of the telescopic chimney flue must be installed in order for the chimney to be lifted for service.

**IMPORTANT NOTE:** 8' (2.4 m) ceilings may not permit installation of the wall or island hood at 30" (762) above the countertop.

#### CALCULATE CHIMNEY FLUE HEIGHT

- A) Height from finished floor to finished ceiling. 8' (2.4 m) or 9' (2.7 m) ceilings are typical.
- B) Height from finished floor to countertop. A 36" (914) countertop height is standard.
- C) Hood mounting height (bottom of hood to countertop). Dimension C must be between 24" (610) and 30" (762). 8' (2.4 m) ceilings may not allow the maximum 30" (762) hood mounting height.
- D) Calculate chimney flue height:  $D = A - (B + C)$ . Dimension D must be between the minimum and maximum flue extension listed in the chart. Refer to the illustration.

Cooktop Chimney Hoods		
FLUE EXTENSION	MINIMUM	MAXIMUM
CTWH30	30 <sup>1</sup> / <sub>2</sub> " (775)	48 <sup>1</sup> / <sub>2</sub> " (1232)
CTWH36	32 <sup>5</sup> / <sub>8</sub> " (829)	50 <sup>7</sup> / <sub>8</sub> " (1292)
IH4227	33 <sup>1</sup> / <sub>2</sub> " (851)	47" (1194)



Hood placement.

## Cooktop Chimney Hood Specifications

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### Electrical Requirements

Wolf cooktop chimney hoods require a separate, grounded 120 V AC, 60 Hz power supply. The service should have its own 15 amp circuit breaker.

Locate the electrical supply within the shaded area shown in the installation illustration for your specific model on the following pages.

For wall hoods, allow a minimum of 12" (305) Romex® wire from the electrical supply location on the wall for wiring connections. For the island hood, allow a minimum of 6' (1.8) Romex® wire from the electrical supply location on the ceiling for wiring connections.

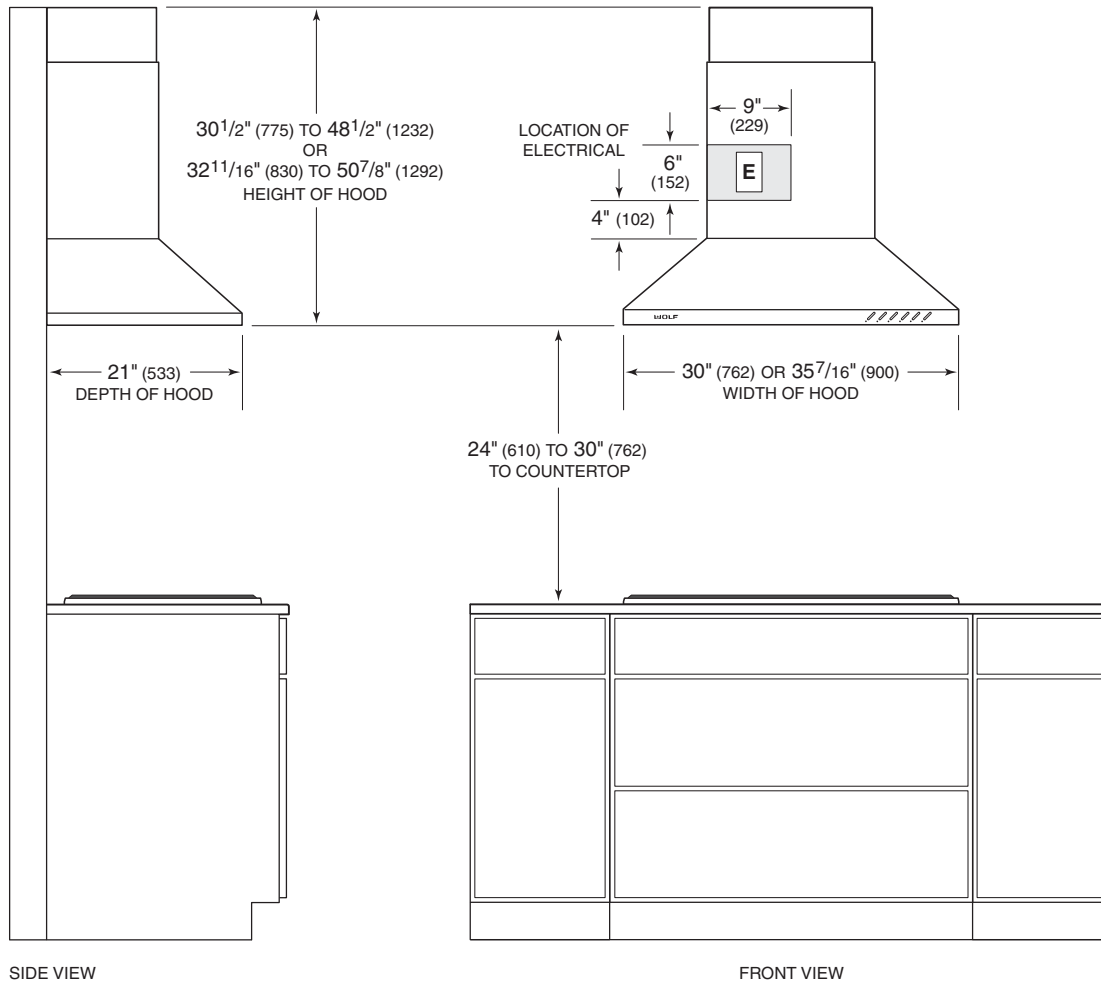
**IMPORTANT NOTE:** You must follow all National Electrical Code regulations. In addition, be aware of local codes and ordinances when installing your service.

## Cooktop Chimney Hood Specifications

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### Installation

#### CHIMNEY WALL HOODS



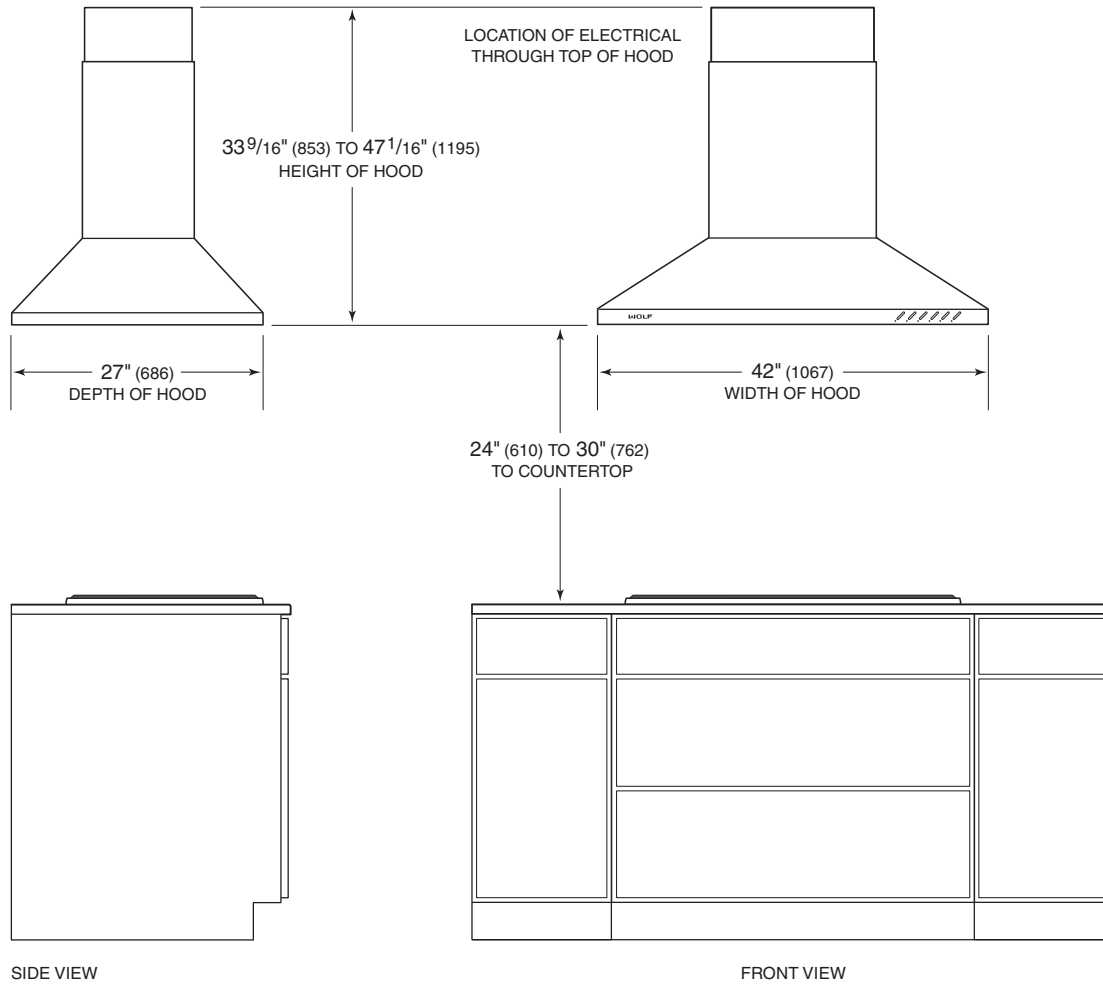
## Cooktop Chimney Hood Specifications

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### Installation

#### CHIMNEY ISLAND HOOD



## Cooktop Chimney Hood Installation

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### Install Ductwork

#### ⚠ WARNING

To reduce the risk of fire, use only metal ductwork.

**IMPORTANT NOTE:** Cooktop chimney ventilation hoods must exhaust to the outdoors.

An 8" (203) round duct is recommended for cooktop chimney hoods. Use only rigid metal ductwork, do not use flex ducting.

Decide where the ductwork will run between the wall hood and the outside. A straight, short duct run will allow the hood to perform most efficiently. Limit the number of elbows and transitions. The duct run should be no longer than 50' (15 m). There is a possibility of noise issues, if a remote blower is used with a short duct run.

Wolf recommends installing a backdraft damper in all installations. A backdraft damper is included with the hood. It is built into the transition from the hood to the duct run. In cold weather installations a backdraft damper is necessary to minimize the backflow of cold air into the room.

Unless you are using a remote blower, a roof or wall cap must be installed. Connect ductwork to the cap and work back towards the hood. Use duct sealing tape to seal joints between ductwork sections. Refer to the illustrations on the following page.

Local building codes may require the use of make-up air. Consult your local HVAC professional for specific requirements in your area.

**IMPORTANT NOTE:** Consult a qualified HVAC engineer for specific ducting applications.

#### ⚠ CAUTION

To reduce the risk of fire and electric shock, install this ventilation hood only with a Wolf blower.

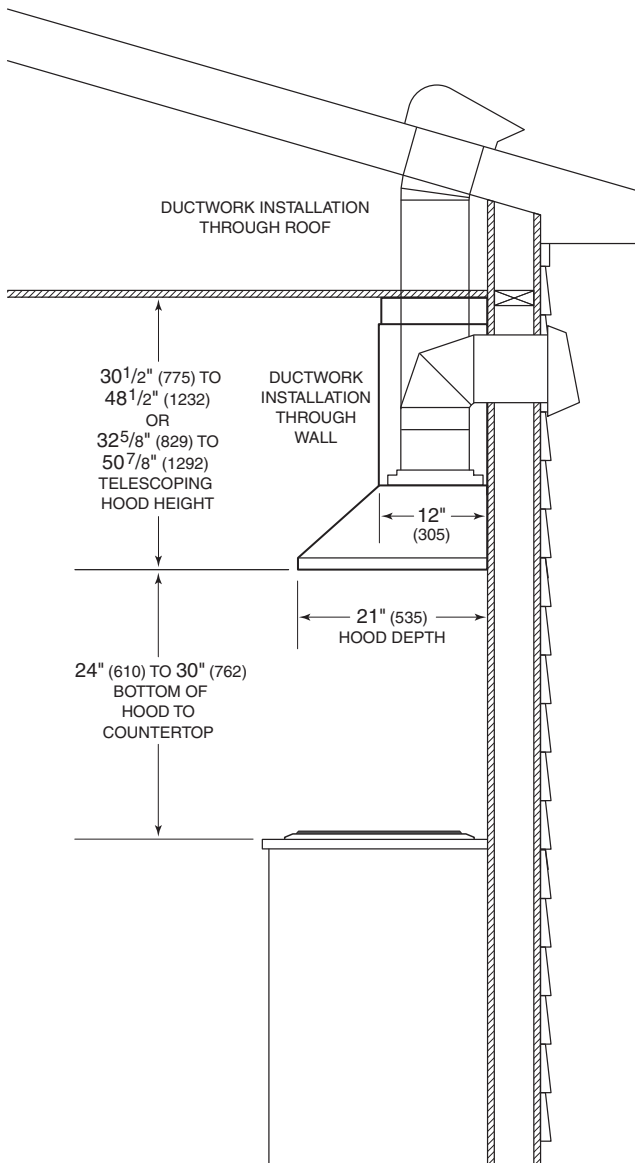
## Cooktop Chimney Hood Installation

11

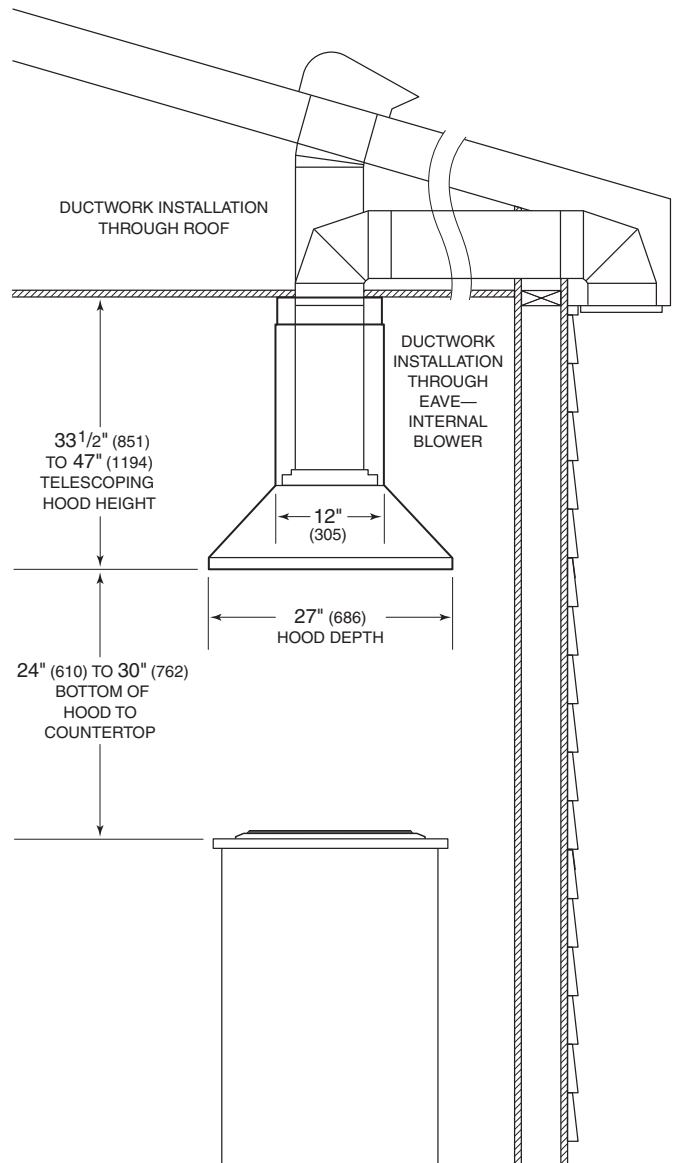
wolfappliance.com/specs

### Install Ductwork

#### CHIMNEY WALL HOODS



#### CHIMNEY ISLAND HOOD



## Cooktop Chimney Hood Installation

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### Wall Hood Installation

Locate the electrical supply for the wall hood through the wall within the shaded area shown in the illustration on page 8. Install ductwork as specified on pages 10–11.

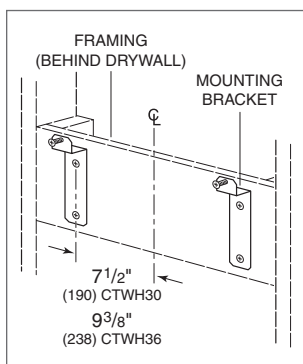
**IMPORTANT NOTE:** If a backsplash is to be used, it should be installed prior to mounting the wall hood. Secure the hood mounting brackets to the wall studs prior to installing the backsplash. Refer to installation instructions provided with the backsplash.

#### INSTALL MOUNTING BRACKETS

**IMPORTANT NOTE:** Wolf recommends that the bottom of the ventilation hood be installed 24" (610) to 30" (762) above the countertop.

Construct wall framing that is flush with the interior surface of the wall studs. Make sure that the framing is centered in the hood installation location, and that the height of the framing will allow the mounting brackets to be secured to the framing within the dimensions shown in the illustration below.

After the wall surface is finished, secure the mounting brackets to the framing using the dimensions shown.

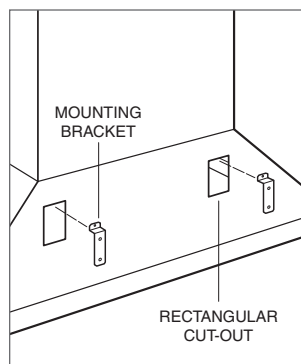


Install mounting brackets.

#### INSTALL HOOD

Hang the wall hood from the brackets through the rectangular cut-outs on the back of the hood. Refer to the illustration below. The cut-outs are larger than the brackets to allow for vertical and horizontal adjustment.

Use height adjustment screws to adjust the hood vertically and the depth adjustment screws to adjust the hood horizontally. Secure the hood with additional mounting screws.



Install hood.

## Cooktop Chimney Hood Installation

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### Wall Hood Installation

#### WIRING CONNECTIONS

##### Electrical connection at the hood:

- 1) Remove the cover from the rear electrical box. Remove the electrical box knockout that faces the hood's discharge collar.
- 2) Insert 6" (152) Romex® wire through the knockout opening. Secure the Romex® wire to the electrical box with an appropriate connector. Use wire connectors or wire nuts approved by UL or C/UL.
- 3) Make electrical connections at the hood. Connect black to black, white to white and green/yellow to green or bare wire.
- 4) Place all wiring connections inside the electrical box and reinstall the cover. Make sure all wires are secure and that no wires are pinched between the cover and electrical box.

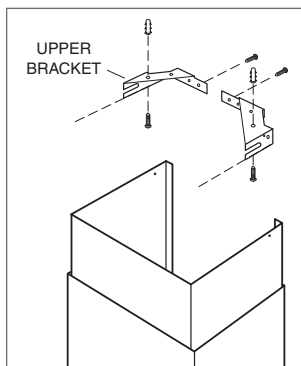
Refer to page 13–15 for internal blower installation and remote blower wiring.

#### ATTACH CHIMNEY FLUE

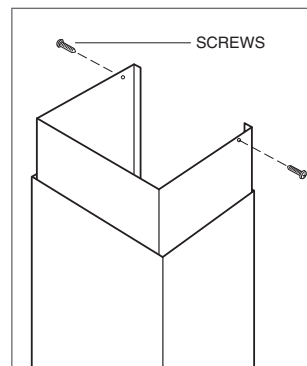
Use the screws and wall anchors provided to secure the upper brackets for the chimney flue to the ceiling. Position the upper brackets based on the dimensions of the chimney flue. Refer to the illustration below.

Use 8" (203) round metal duct to connect the duct collar on the hood to the ductwork above. Use duct sealing tape to make all joints secure and air tight.

Fasten the upper section of the telescopic chimney flue to the brackets with the screws provided. Refer to the illustration below. Nest the bottom of the chimney flue into the relief in the hood shell.



Upper brackets.



Chimney flue.



## Cooktop Chimney Hood Installation

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### Island Hood Installation

Locate the electrical supply for the island hood through the ceiling within the dimensions of the chimney flue. Install ductwork as specified on pages 10–11.

#### INSTALL SUPPORT SYSTEM

**IMPORTANT NOTE:** Wolf recommends that the bottom of the ventilation hood be installed 24" (610) to 30" (762) above the countertop.

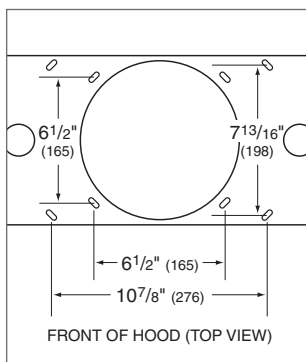
At the island hood installation location, install 2" (51) x 4" (102) or 3/4" (19) plywood cross framing between ceiling joists. Refer to the island hood mounting pattern dimensions below.

Finish the ceiling surface. Be sure to mark the location of the ceiling joists and cross framing.

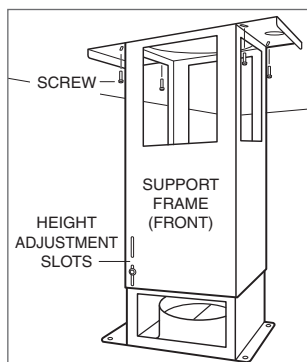
Determine the desired orientation of the island hood. Note that the front designates the control side of the hood.

Secure the upper half of the support frame to the joists and cross framing with four screws (provided). Make sure that the screws are driven into the center of the joists and framing for maximum strength. Ensure the correct orientation of the support frame. Refer to the illustration below.

Adjust the overall height of the support frame. Loosen and retighten the screws in the height adjustment slots as necessary.



Mounting pattern.



Support frame.

**IMPORTANT NOTE:** The hood height is 11 1/4" (286) from the support frame attachment point.

#### CONNECT CHIMNEY FLUE

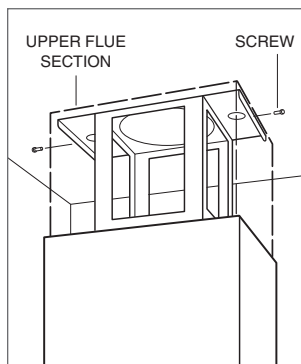
Secure the upper chimney flue section to the upper support frame with the screws provided. Refer to the illustration below.

Temporarily hold the lower chimney flue section over the upper flue section.

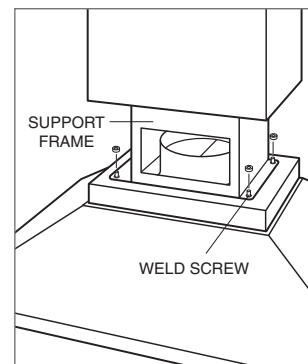
#### MOUNT HOOD TO SUPPORT FRAME

Mount the hood to the support frame by aligning the four weld screws on the hood to the four holes on the support frame. Use four nuts (provided) to secure the hood to the support frame. Refer to the illustration below.

Nest the bottom of the telescopic chimney flue into the relief in the hood shell. Make electrical connections.



Upper flue section.



Mount hood to support frame.

## Cooktop Chimney Hood Installation

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### Island Hood Installation

#### WIRING CONNECTIONS

##### Electrical connection at the hood:

- 1) Remove the cover from the rear electrical box. Remove the electrical box knockout that faces the hood's discharge collar.
- 2) Insert 6" (152) Romex® wire through the knockout opening. Secure the Romex® wire to the electrical box with an appropriate connector. Use wire connectors or wire nuts approved by UL or C/UL.
- 3) Make electrical connections at the hood. Connect black to black, white to white and green/yellow to green or bare wire.
- 4) Place all wiring connections inside the electrical box and reinstall the cover. Make sure all wires are secure and that no wires are pinched between the cover and electrical box.

Refer to page 13–15 for internal blower installation and remote blower wiring.

#### CONNECT DUCTWORK

Use 8" (203) round metal duct to connect the duct collar on the hood to the ductwork above. Use duct sealing tape to make all joints secure and air tight.

Slide the lower telescopic chimney flue section downward until it fits properly around the hood shell.

### Internal Blower

#### INTERNAL BLOWER INSTALLATION

**IMPORTANT NOTE:** Refer to installation instructions provided with the internal blower assembly for additional mounting and wiring instructions.

- 1) Remove the hood filters.
- 2) Lift the blower into position inside the hood.
- 3) Use four hex nuts provided with the blower to fasten the unit to four threaded studs.
- 4) Plug the blowers' single power cord (double for 900 CFM) into the receptacle(s) inside the hood. Use the clip on the hood to keep excess power cord away from moving parts.
- 5) Reinstall the hood filters.

**IMPORTANT NOTE:** Before turning the power on to the ventilation hood, make sure the blower is off.

## Cooktop Chimney Hood Installation

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### In-Line and Remote Blowers

#### BLOWER INSTALLATION

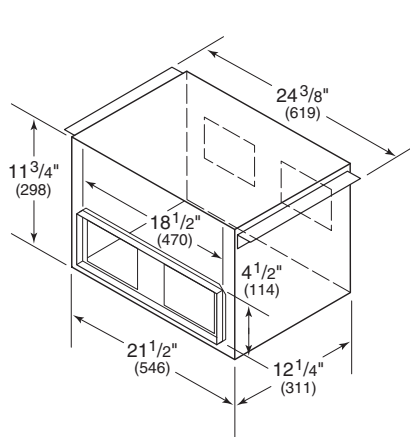
**IMPORTANT NOTE:** Refer to specific installation instructions provided with each blower assembly for additional mounting and wiring instructions.

Locate the blower so that the length of the duct run and number of elbows and transitions are kept to a minimum. The duct run should be no longer than 50' (15 m). Remote blowers should be located between wall studs or roof rafters. Avoid pipes, wires and other ductwork.

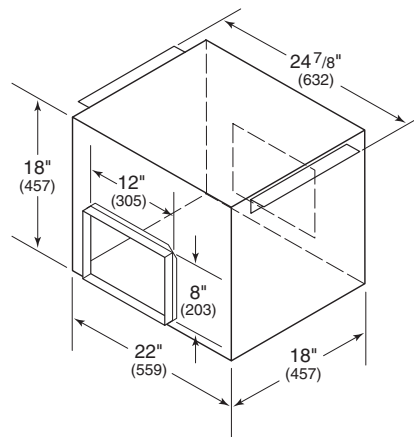
Allow enough space for transitions needed between the blower and connecting ductwork. For best performance, locate transitions nearest the blower.

Refer to the illustrations below for overall dimensions of Wolf in-line and remote blowers. Installation instructions shipped with each Wolf ventilation product provide detailed specifications. These instructions can also be found on our website, [wolfappliance.com/specs](http://wolfappliance.com/specs).

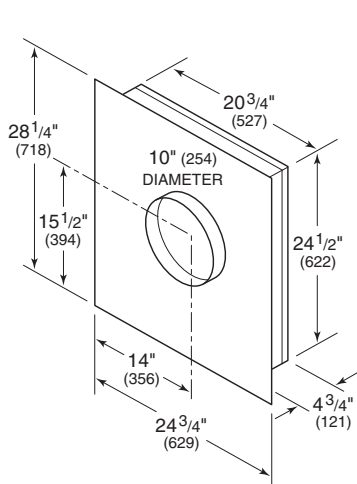
#### IN-LINE AND REMOTE BLOWER DIMENSIONS



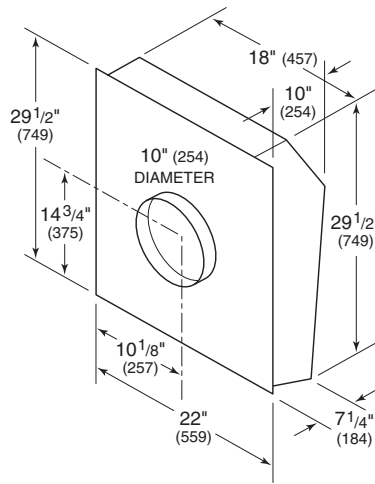
600 CFM in-line blower.



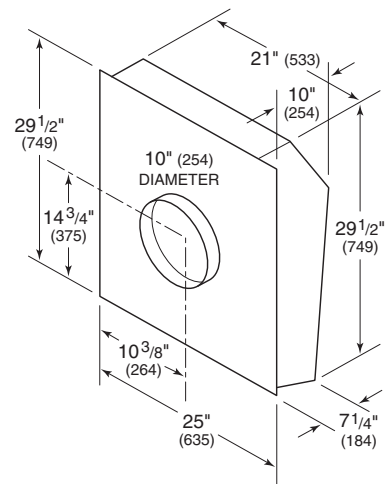
1100 CFM in-line blower.



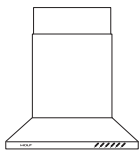
600 CFM and 900 CFM remote blower.



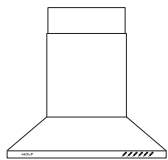
1200 CFM remote blower.



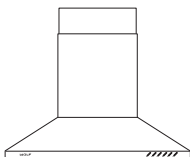
1500 CFM remote blower.



Model CTWH30



Model CTWH36



Model IH4227

WOLF COOKTOP VENTILATION HOODS

Powerful multi-speed blowers draw odors and smoke into the five-layer mesh filter. Filters remove easily for cleaning. The sculpted classic stainless steel shape not only provides the power you expect from Wolf, but also the beauty you have come to appreciate as well.

Wolf chimney-style cooktop wall and island hoods are recommended for use with Wolf electric and gas cooktops and integrated modules. For Wolf dual fuel ranges, gas ranges and rangetops a Pro ventilation hood is recommended.

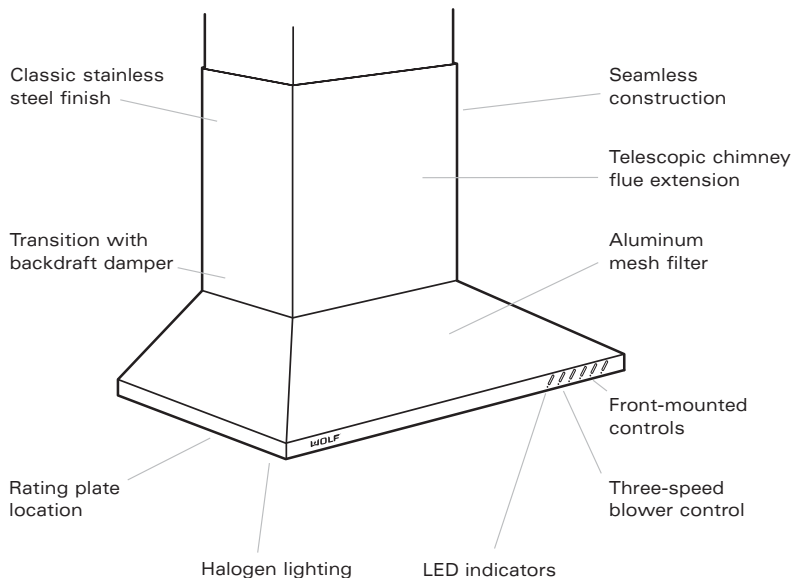
FEATURES

- Classic** stainless steel finish
- Internal** or remote blower options
- Front-mounted** controls with LED indicator
- Heavy-duty** stainless steel seamless construction
- Three-speed** blower control
- Variable-speed** blowers
- Filter** clean timer lets you know when the filter needs cleaning
- Delay-off** feature automatically turns unit off
- Sealed** halogen lighting with three settings
- Stainless** steel filter cover with dishwasher safe aluminum mesh filter
- Heat** sentry feature automatically turns unit on when heat is sensed and automatically adjusts blower speed
- Transition** with back draft damper included
- Fits** 8' (2.4 m) to 9' (2.7 m) ceilings—flue extension to accommodate 10' (3 m) ceilings is available
- UL** listed to US and Canadian safety standards

WOLF WARRANTY

Wolf products are covered by a two and five year residential warranty (exclusions apply). See warranty details at the end of this guide.

COOKTOP VENTILATION HOOD FEATURES  
Model CTWH36 shown



MODEL OPTIONS  
Cooktop Ventilation Hoods

<b>Wall Hoods</b>	
30" (762) Width	CTWH30
36" (914) Width	CTWH36
<b>Island Hood</b>	IH4227

PLANNING INFORMATION

Chimney-style cooktop wall hoods are 21" (533) deep and come in 30" (762) and 36" (914) widths. The island hood is 42" (1067) wide by 27" (686) deep.

**IMPORTANT NOTE:** Wolf cooktop wall and island hoods are recommended for use with Wolf electric and gas cooktops along with integrated modules, and should be at least as wide as the cooking surface. A Pro ventilation hood must be used with Wolf dual fuel ranges, gas ranges and rangetops. Refer to pages 76–85 for Pro ventilation specifications.

Wolf cooktop wall and island hoods come with a telescopic chimney flue extension that allows you to reach a ceiling height of 8' (2.4 m) to 9' (2.7 m) with a finished look. A flue extension to accommodate 10' (3 m) ceilings is available.

Specifications on the following pages provide overall dimensions, blower and ducting considerations, and installation specifics for cooktop wall and island hoods. We have minimized the information contained in the illustrations, concentrating on the critical information you must plan into your installation. Also refer to the cooktop ventilation recommendations on page 86.

Installation of the cooktop wall or island hood should be 24" (610) to 30" (762) from the bottom of the hood to the countertop.

ELECTRICAL REQUIREMENTS

Wolf cooktop wall and island hoods require a separate, grounded 120 V, 60 Hz power supply. The service should have its own 15 amp circuit breaker. Placement of the electrical supply is not critical, as long as you provide a minimum of 12" (305) of 120 V AC power cable for the wall hood and 6' (1.8 m) for the island hood.

Locate electrical within the shaded area shown in the Installation Specifications illustration for your model.

**IMPORTANT NOTE:** A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

You must follow all National Electrical Code regulations. In addition, be aware of local codes and ordinances when installing your service.



ACCESSORIES

Optional accessories are available through your Wolf dealer. To obtain local dealer information, visit the Locator section of our website, [wolfappliance.com](http://wolfappliance.com).

ACCESSORIES  
*Contact your Wolf Dealer*

Flue extension to accommodate  
10' (3 m) ceilings  
30" (762) and 36" (914) wall  
shields\*

*\*Wall hoods only.*

Dimensions in parentheses are in  
millimeters unless otherwise specified.  
[www.dexpress.com](http://www.dexpress.com) Mfr Sup



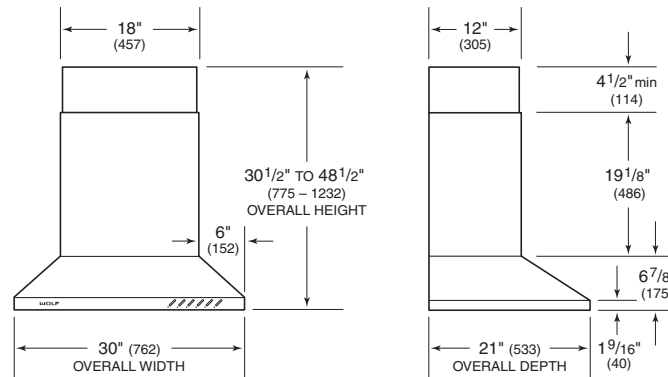
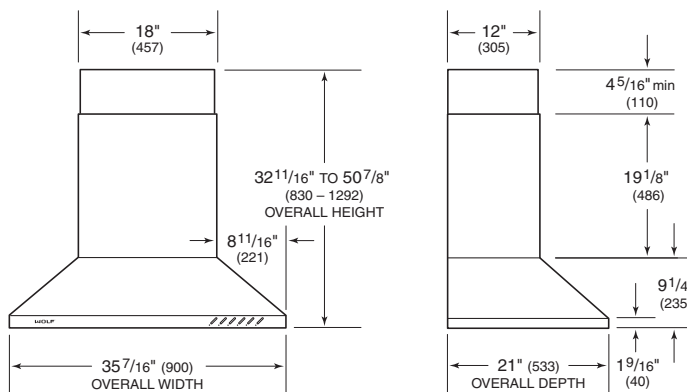
## SPECIFICATIONS

**Model CTWH30**

Overall Width	<b>30" (762)</b>
Overall Height (excluding chimney)	<b>6<sup>7</sup>/<sub>8</sub>" (175)</b>
Overall Height (including chimney)	<b>30<sup>1</sup>/<sub>2</sub>" (775)</b>
Maximum Height (full extension)	<b>48<sup>1</sup>/<sub>2</sub>" (1232)</b>
Overall Depth	<b>21" (533)</b>
Bottom of Hood to Countertop	<b>24" (610) to 30" (762)</b>
Duct Size	<b>8" (203) Round</b>
Discharge	<b>Vertical</b>
Blower Options*	<b>450 CFM Internal 600, 900, 1200 or 1500 CFM Remote</b>
Electrical Supply	<b>110/120 V AC, 60 Hz 15 amp dedicated circuit</b>
Shipping Weight (shell only)	<b>85 lbs (39 kg)</b>

\*Refer to the cooktop ventilation recommendations on page 86.

## OVERALL DIMENSIONS

**Cooktop Wall Hoods****Model CTWH30****Model CTWH36**

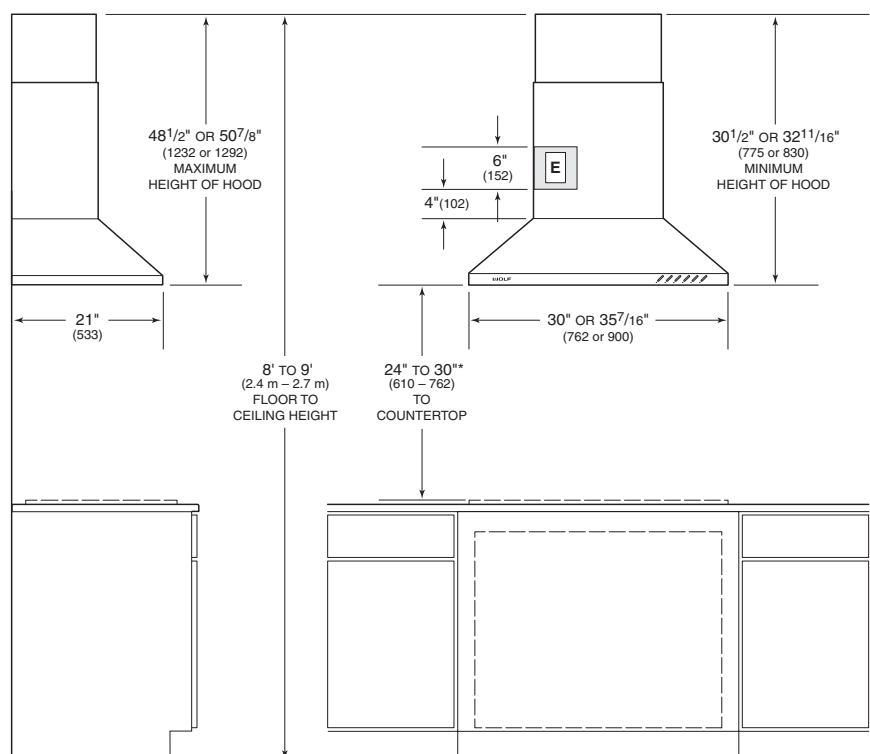
## SPECIFICATIONS

**Model CTWH36**

Overall Width	<b>35<sup>7</sup>/<sub>16</sub>" (900)</b>
Overall Height (excluding chimney)	<b>9<sup>1</sup>/<sub>4</sub>" (235)</b>
Overall Height (including chimney)	<b>32<sup>11</sup>/<sub>16</sub>" (830)</b>
Maximum Height (full extension)	<b>50<sup>7</sup>/<sub>8</sub>" (1292)</b>
Overall Depth	<b>21" (533)</b>
Bottom of Hood to Countertop	<b>24" (610) to 30" (762)</b>
Duct Size	<b>8" (203) Round</b>
Discharge	<b>Vertical</b>
Blower Options*	<b>600 or 900 CFM Internal 600, 900, 1200 or 1500 CFM Remote</b>
Electrical Supply	<b>110/120 V AC, 60 Hz 15 amp dedicated circuit</b>
Shipping Weight (shell only)	<b>100 lbs (45 kg)</b>

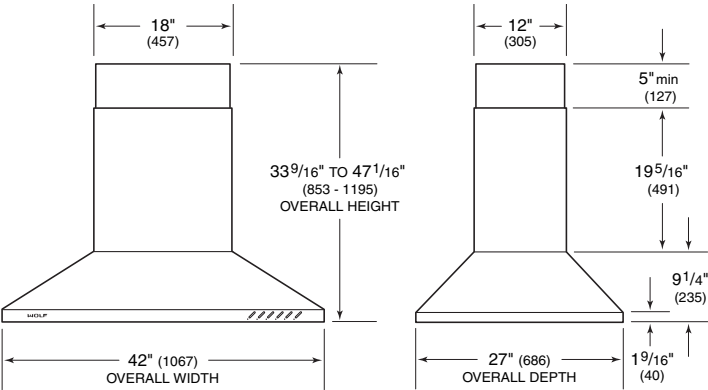
\*Refer to the cooktop ventilation recommendations on page 86.

## INSTALLATION SPECIFICATIONS

**Cooktop Wall Hoods**

OVERALL DIMENSIONS

Cooktop Island Hood



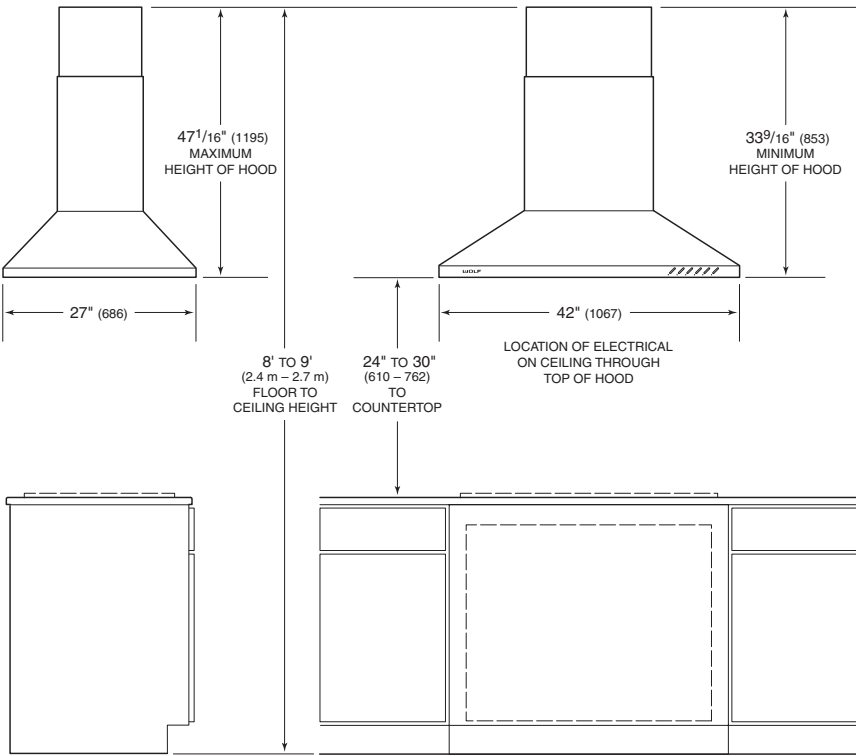
SPECIFICATIONS

Model IH4227

Overall Width	42" (1067)
Overall Height (excluding chimney)	9 1/4" (235)
Overall Height (including chimney)	33 9/16" (853)
Maximum Height (full extension)	47 1/16" (1195)
Overall Depth	27" (686)
Bottom of Hood to Countertop	24" (610) to 30" (762)
Duct Size	8" (203) Round
Discharge	Vertical
Blower Options *	600 or 900 CFM Internal 600, 900, 1200 or 1500 CFM Remote
Electrical Supply	110/120 V AC, 60 Hz 15 amp dedicated circuit
Shipping Weight (shell only)	110 lbs (50 kg)

INSTALLATION SPECIFICATIONS

Cooktop Island Hood



\*Refer to the cooktop ventilation recommendations on page 86.

INSTALLATION

Refer to the installation instructions shipped with each Wolf product for detailed specifications.

\*8' (2.4 m) ceilings will not allow for a 30" (762) maximum height above the countertop. Based on a 36" (914) high countertop, an 8' (2.4 m) ceiling will allow for a maximum height above the countertop of 26 7/16" (672).

## BLOWER CONSIDERATIONS

Wolf cooktop wall and island hoods are shipped without the blower assembly. Internal or remote blower assemblies are available. For wall hoods, the remote blower can be mounted on the roof or an exterior wall. For island hoods, the remote blower will be mounted on the roof.

The blower will vary in size and is dictated by the cooking surface, the volume of air that needs to be moved and the length of the duct run. A straight, short duct run with a limited number of elbows and transitions will allow the ventilation hood to perform most efficiently.

A remote mounted blower will minimize the amount of blower noise, but will not eliminate the noise completely. All remote blowers will require a transition to a 10" (254) duct.

**IMPORTANT NOTE:** Install these ventilation hoods only with a Wolf blower.

## DUCTING CONSIDERATIONS

**IMPORTANT NOTE:** All Wolf ventilation hoods must be vented to the outside. Use only metal ductwork.

Wolf cooktop wall and island hoods have an 8" (203) round vertical discharge. Ducting can run through the roof, external wall or eave. Ducting through an eave requires an internal blower. Refer to the illustrations below.

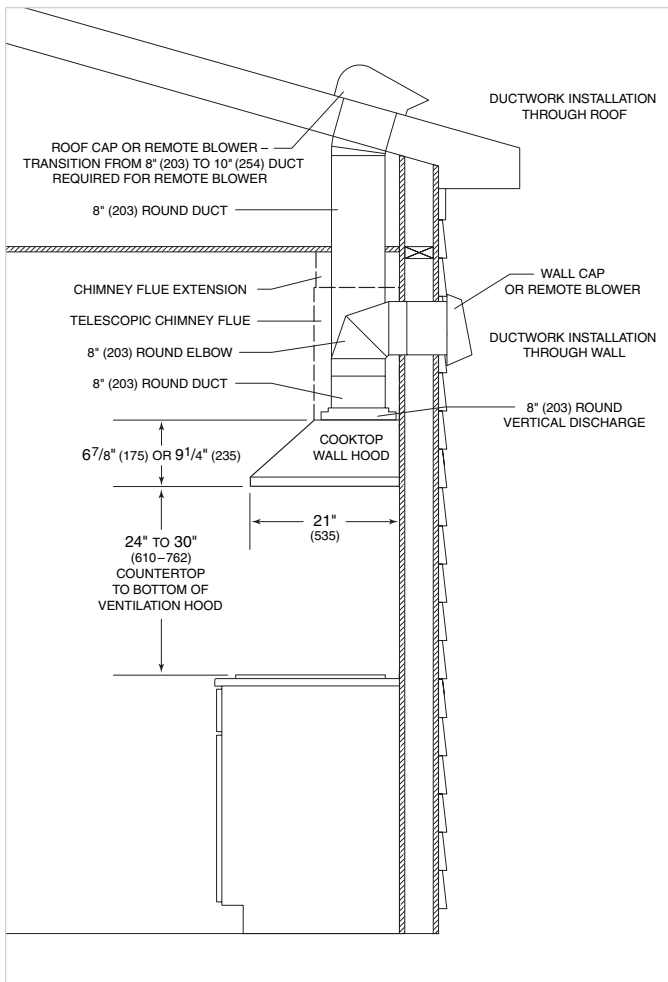
Wolf cooktop wall and island hoods will operate most efficiently when ductwork does not exceed 50' (15 m) in length.

Local building codes may require the use of make-up air. Consult your local HVAC professional for specific requirements in your area.

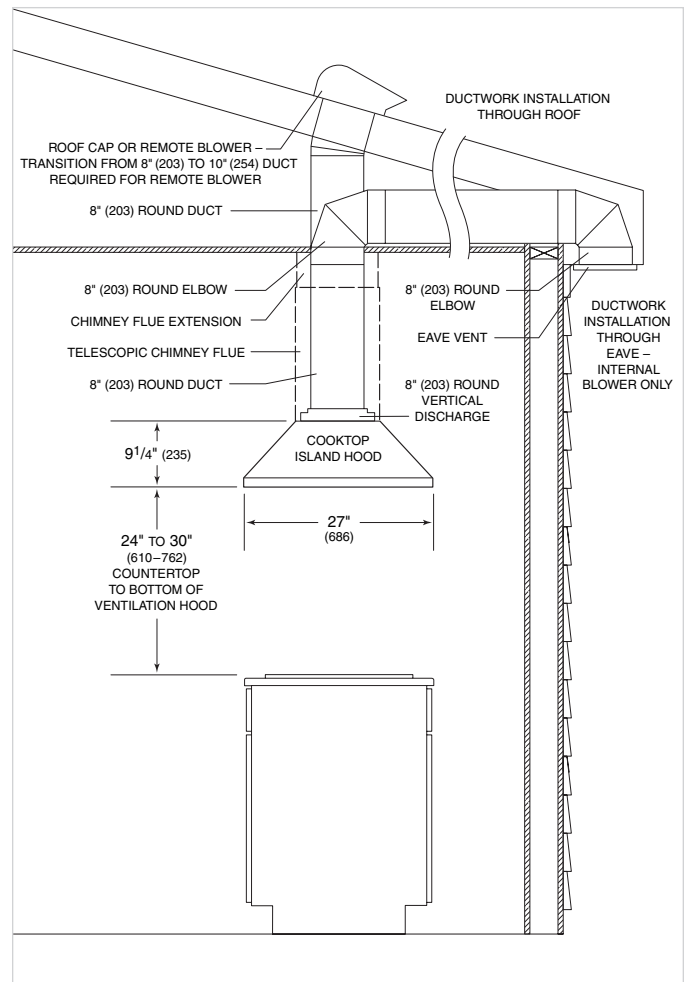
Refer to the cooktop ventilation recommendations on page 86.

### DUCTING CONSIDERATIONS

#### Cooktop Wall Hoods



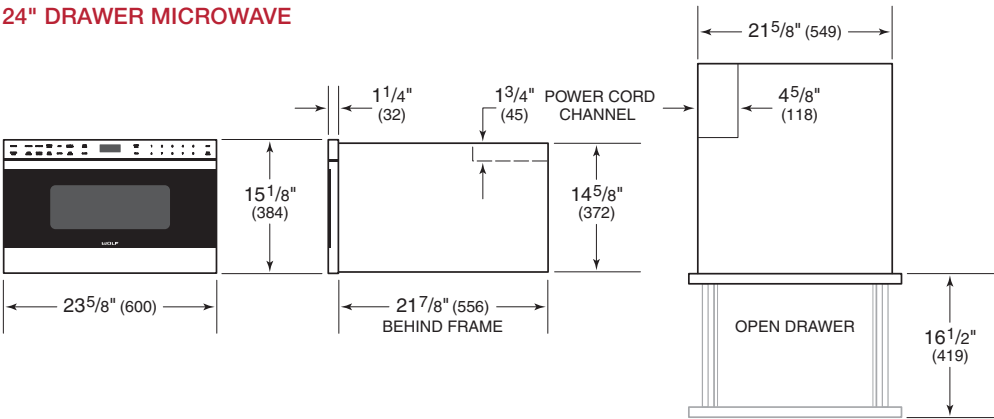
#### Cooktop Island Hood



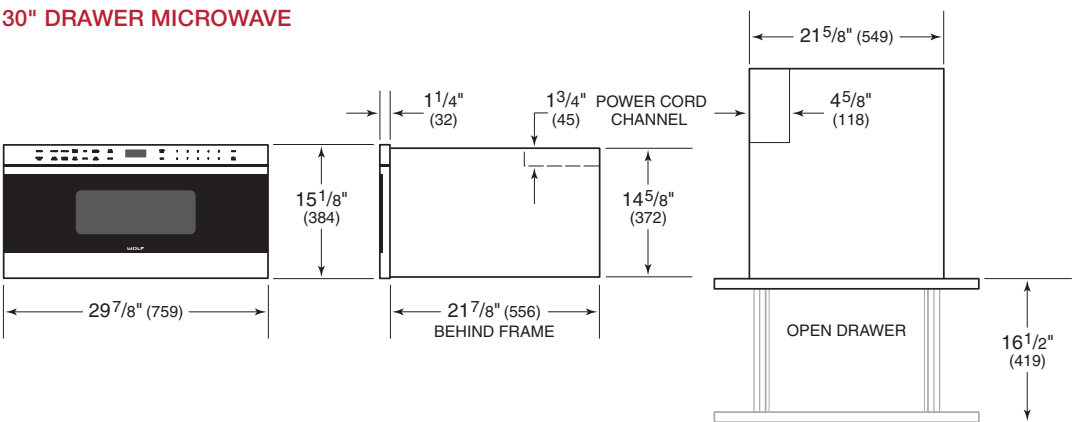


Microwave Ovens

24" DRAWER MICROWAVE



30" DRAWER MICROWAVE



SPECIFICATIONS			
INTERIOR CAPACITY		CU FT (L)	
24" Model		1.2 (34)	
30" Model		1.2 (34)	
INTERIOR DIMENSIONS		W	H D
24" Model		17 5/16" (440)	7 1/8" (181) 16 9/16" (421)
30" Model		17 5/16" (440)	7 1/8" (181) 16 9/16" (421)

AHAM overall volume.

Planning Information

Wolf drawer microwaves can be installed in a standard or flush inset application. Refer to the illustrations on the following pages for minimum cabinet dimensions for your specific installation. The cabinet must be able to support 125 lbs (57 kg).

Wolf convection and standard microwaves can be used freestanding or built-in with optional trim kit, available through your authorized Wolf dealer. For local dealer information, visit the find a showroom section of our website, [wolfappliance.com](http://wolfappliance.com).

In a freestanding application, allow 2" (51) of airflow space on the top, rear and both sides. Built-in opening dimensions accommodate air flow space.

In a built-in application, convection, standard and drawer microwaves will overlap stiles and rails. Refer to the chart below for trim overlaps.

TRIM OVERLAP		
DRAWER MICROWAVE	24" MODEL	30" MODEL
Top	5/16" (8)	5/16" (8)
Bottom	1/16" (2)	1/16" (2)
Sides	3/4" (19)	37/8" (98)
27" E SERIES TRIM	CONVECTION	STANDARD
Top	1/4" (6)	9/16" (14)
Bottom	3/4" (19)	11/16" (17)
Sides	13/16" (21)	13/16" (21)
30" L / E SERIES TRIM	CONVECTION	STANDARD
Top	1/4" (6)	9/16" (14)
Bottom	3/4" (19)	11/16" (17)
Sides	1 3/16" (30)	1 3/16" (30)
36" L SERIES TRIM	CONVECTION	STANDARD
Top	3/16" (5)	NA
Bottom	13/16" (21)	NA
Sides	1 1/4" (32)	NA

ELECTRICAL

Installation must comply with all applicable electrical codes.

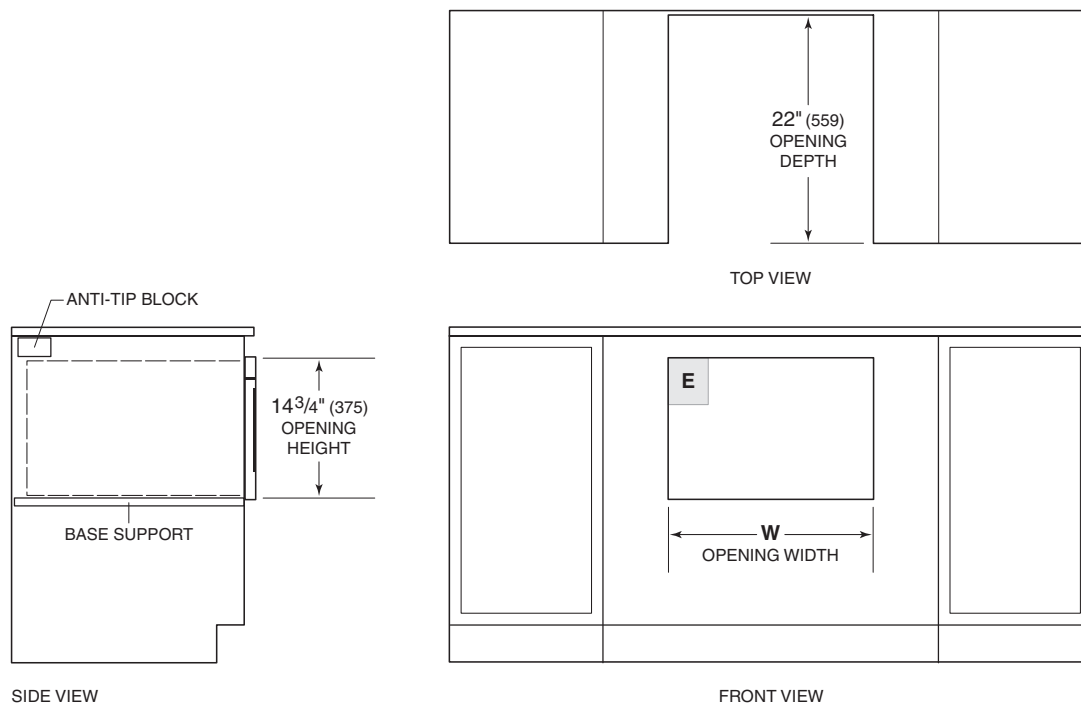
The receptacle should be located in the upper left area of the opening. Refer to the illustration for your specific installation on the following pages. The receptacle may also be located in an adjacent cabinet within reach of the power cord. An access hole must be provided through the cabinet for the power cord.

**IMPORTANT NOTE:** The microwave oven is equipped with a power cord with a 3-prong grounding plug. The power cord must be plugged into a mating 3-prong grounded outlet. If you only have a 2-prong outlet, have a qualified electrician install a properly grounded outlet. If you have any questions about the grounding or electrical instructions, consult a qualified electrician or service technician.

ELECTRICAL REQUIREMENTS	
MICROWAVE OVENS	
Electrical Supply	grounded, 120 VAC, 60 Hz
Service	15 amp dedicated circuit
Receptacle	3-prong grounding-type
Power Cord	3' (.9 m), 4' (1.2 m) for drawer

## Drawer Microwave Oven

### STANDARD INSTALLATION

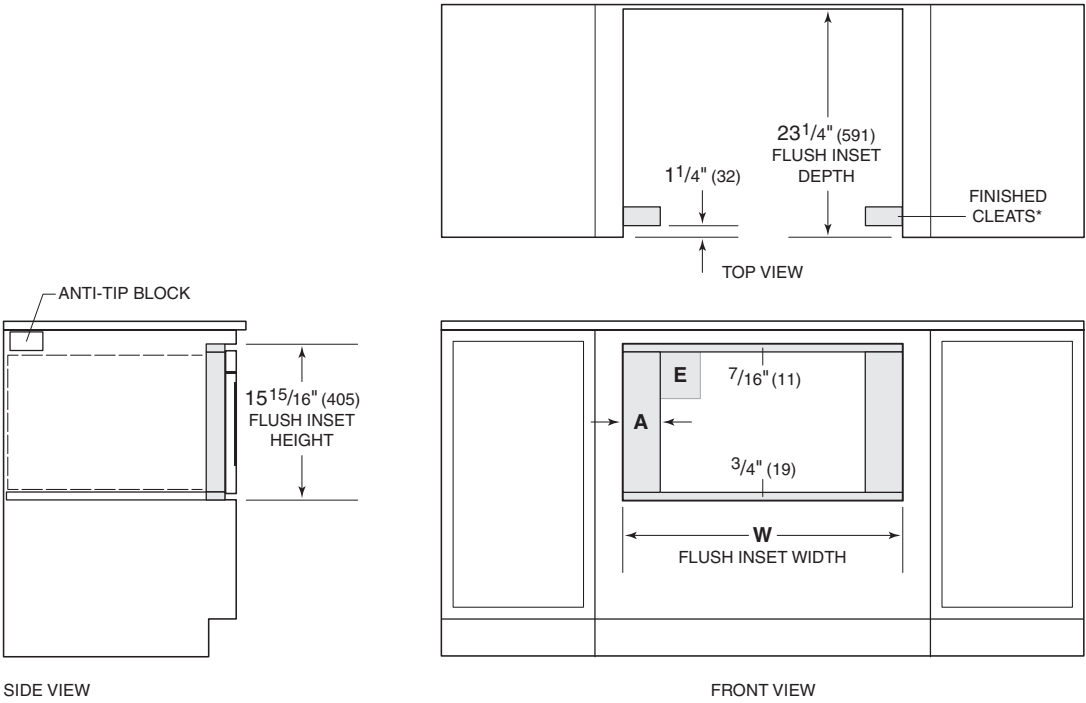


*NOTE: All drawer microwave ovens require the same opening dimensions.  
Dashed line represents profile of unit.*

OPENING WIDTH	
MODEL	W
24" Drawer Microwave	22 <sup>1</sup> / <sub>8</sub> " (562)
30" Drawer Microwave	22 <sup>1</sup> / <sub>8</sub> " (562)

Drawer Microwave Oven

FLUSH INSET INSTALLATION



\*Will be visible and should be finished to match cabinetry.  
NOTE: Dashed line represents profile of unit.

FLUSH INSET WIDTH		
MODEL	W	A
24" Drawer Microwave	24 <sup>3</sup> / <sub>8</sub> " (619)	1 <sup>1</sup> / <sub>8</sub> " (29)
30" Drawer Microwave	30 <sup>3</sup> / <sub>8</sub> " (772)	4" (102)

## Installation Requirements

The drawer microwave oven can be installed in a standard or flush inset application. Location of the electrical supply within the oven opening may require additional cabinet depth. Refer to the chart below.

Finish the edges of the opening. They may be visible when the drawer is open.

For flush inset installations, a minimum  $\frac{1}{8}$ " (3) reveal is required on the top and sides and  $\frac{11}{16}$ " (18) on the bottom. A sales accessory is required to direct air away from the unit. Accessories are available through an authorized Wolf dealer. For local dealer information, visit the find a showroom section of our website, [wolfappliance.com](http://wolfappliance.com). To ensure consistent reveals, each corner of the opening must be exactly 90°.

INSTALLATION REQUIREMENTS			
<b>BASE SUPPORT</b>			
24" Model			125 lbs (57 kg)
30" Model			125 lbs (57 kg)
<b>TRIM OVERLAP</b>	<b>24" MODEL</b>	<b>30" MODEL</b>	
Top	$\frac{5}{16}$ " (8)	$\frac{5}{16}$ " (8)	
Bottom	$\frac{1}{16}$ " (2)	$\frac{1}{16}$ " (2)	
Sides	$\frac{3}{4}$ " (19)	$3\frac{7}{8}$ " (98)	

## Anti-Tip Blocking

To reduce the risk of tipping, the drawer microwave oven must be secured in place by anti-tip blocking. The anti-tip blocking must be provided by the installer. Dimensions will vary with the installation. Refer to the illustration for your specific installation on pages 5–6.

When installed to the wall, make sure screws completely penetrate dry wall and are secured in wood or metal, so blocking is completely stable. When fastening, verify screws do not penetrate electrical wiring or plumbing.

The anti-tip blocking prevents serious injury that might result from the drawer tipping forward and hot food being spilled.

## Electrical

Installation must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70.

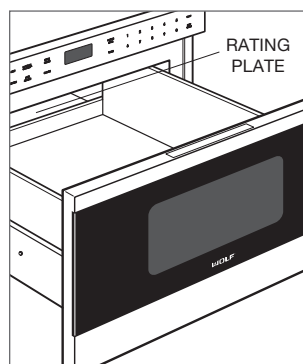
The receptacle should be located in the upper left area of the opening. Refer to the illustrations on pages 5–6. The receptacle may also be located in an adjacent cabinet within reach of the power cord. An access hole must be provided through the cabinet for the power cord.

**IMPORTANT NOTE:** The microwave oven is equipped with a power cord with a 3-prong grounding plug. The power cord must be plugged into a mating 3-prong grounded outlet. If you only have a 2-prong outlet, have a qualified electrician install a properly grounded outlet. If you have any questions about the grounding or electrical instructions, consult a qualified electrician or service technician.

ELECTRICAL REQUIREMENTS	
<b>DRAWER MICROWAVE OVEN</b>	
Electrical Supply	grounded, 120 VAC, 60 Hz
Service	15 amp dedicated circuit
Receptacle	3-prong grounding-type
Power Cord	4' (1.2 m)

## GROUNDING INSTRUCTIONS

This appliance must be grounded. The drawer microwave oven is equipped with a cord having a grounding wire with a grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded in accordance with the National Electrical Code and local codes and ordinances. In the event of an electrical short circuit, grounding reduces risk of electric shock by providing an escape wire for the electric current.

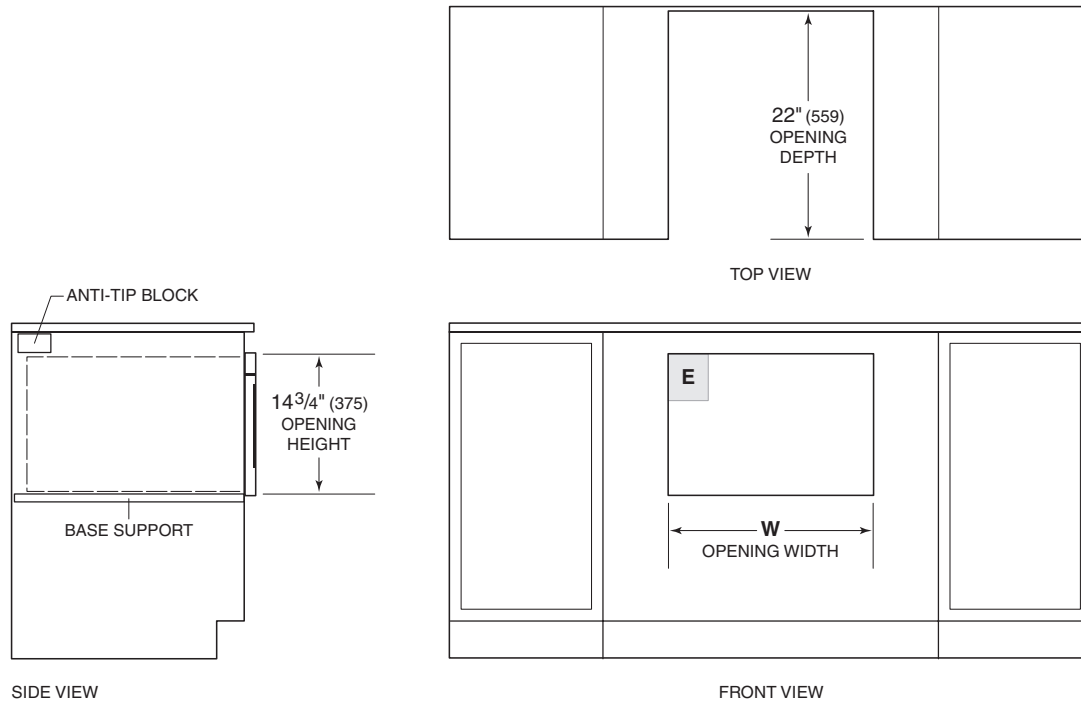


Rating plate location.

## SPECIFICATIONS

### Drawer Microwave Oven

#### STANDARD INSTALLATION



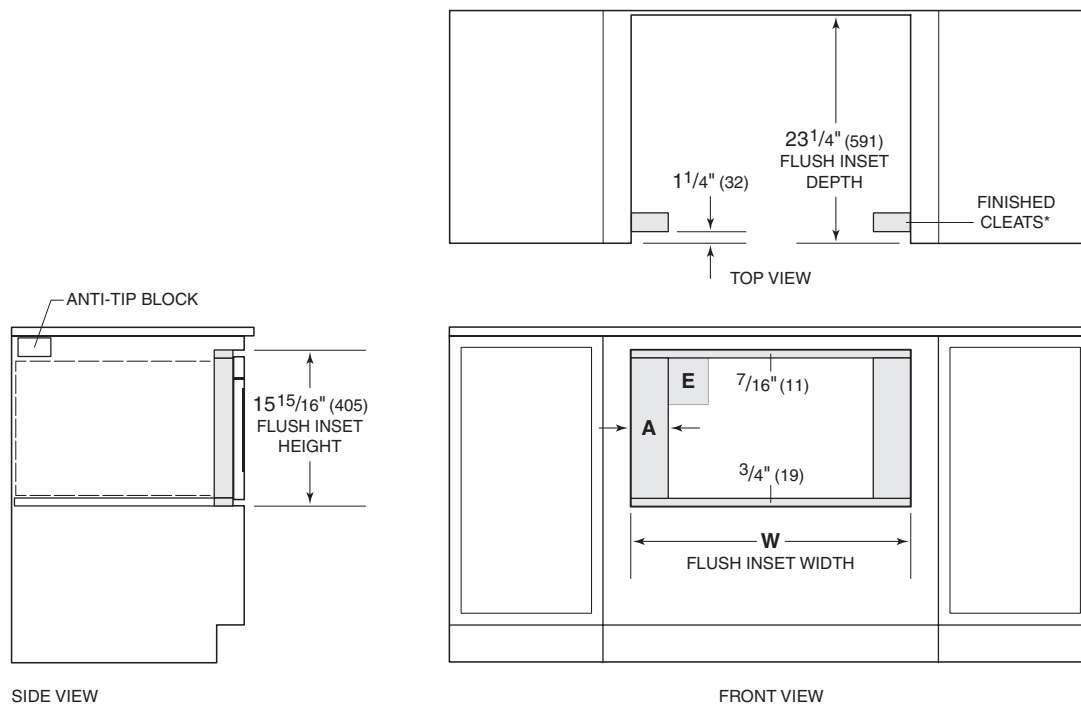
**NOTE:** All drawer microwave ovens require the same opening dimensions.  
Dashed line represents profile of unit.

STANDARD INSTALLATION		
MODEL		A
24" Model		$22\frac{1}{8}"$ (562)
30" Model		$22\frac{1}{8}"$ (562)

# SPECIFICATIONS

## Drawer Microwave Oven

### FLUSH INSET INSTALLATION



\*Will be visible and should be finished to match cabinetry.  
NOTE: Dashed line represents profile of unit.

FLUSH INSET INSTALLATION		
MODEL	A	B
24" Model	$24\frac{3}{8}"$ (619)	$1\frac{1}{8}"$ (29)
30" Model	$30\frac{3}{8}"$ (772)	4" (102)



### 30" Gas Range

Wolf has perfected the form, function and sheer durability of our stainless steel gas ranges. The Wolf gas range offers a variety of standard features such as an infrared oven broiler, convection baking, dual-stacked sealed surface burners and our signature large red control knobs. Wolf gas ranges are available in natural or LP gas.



Model GR304

#### FEATURES

- Heavy-duty stainless steel exterior with island trim.
- Dual-stacked, sealed burners for precise control and easy cleanup.
- Flame recognition and automatic reignition for safety and ease of use.
- Signature red control knobs with infinite control.
- Stainless steel bezels surround control knobs.
- Porcelain-coated, cast iron continuous burner grates.
- Large-capacity gas convection oven with three adjustable oven racks.
- Infrared broiler with ultrafast pre-heating.
- Halogen lit, porcelain oven interior with window in door.
- Adjustable stainless steel legs in front and rear casters.
- Wolf exclusive spring and damper door hinge system.

#### SURFACE FEATURES

Model	GR304
Surface Burners 15,000 Btu / 950 Btu simmer	3
Surface Burner 9,200 Btu / 325 Btu simmer	1

Model number is for natural gas range, add (-LP) to the model number for LP gas.

#### ACCESSORIES

- 5" and 10" stainless steel risers—20" riser with shelf.
- Red, black or stainless steel control knobs.
- Brass and chrome bezels.
- Cast iron S-grates and wok grate.
- Stainless steel surface burner covers.
- Additional oven racks.
- Full-extension easy glide rack.
- Bake stone kit.
- Front leg covers.
- High altitude conversion kit.

Accessories are available through your authorized Wolf dealer. For local dealer information, visit the find a showroom section of our website, [wolfappliance.com](http://wolfappliance.com).



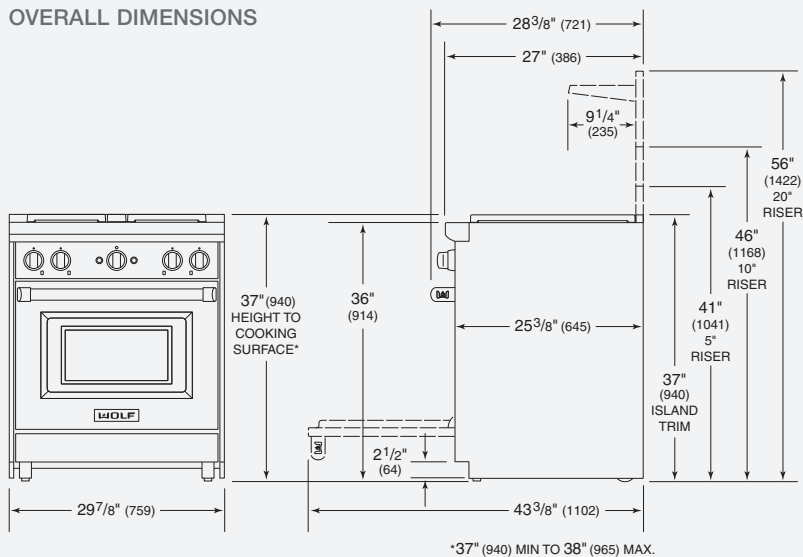
This appliance is certified by Star-K to meet strict religious regulations in conjunction with specific instructions found on [www.star-k.org](http://www.star-k.org).





### 30" Gas Range

#### OVERALL DIMENSIONS

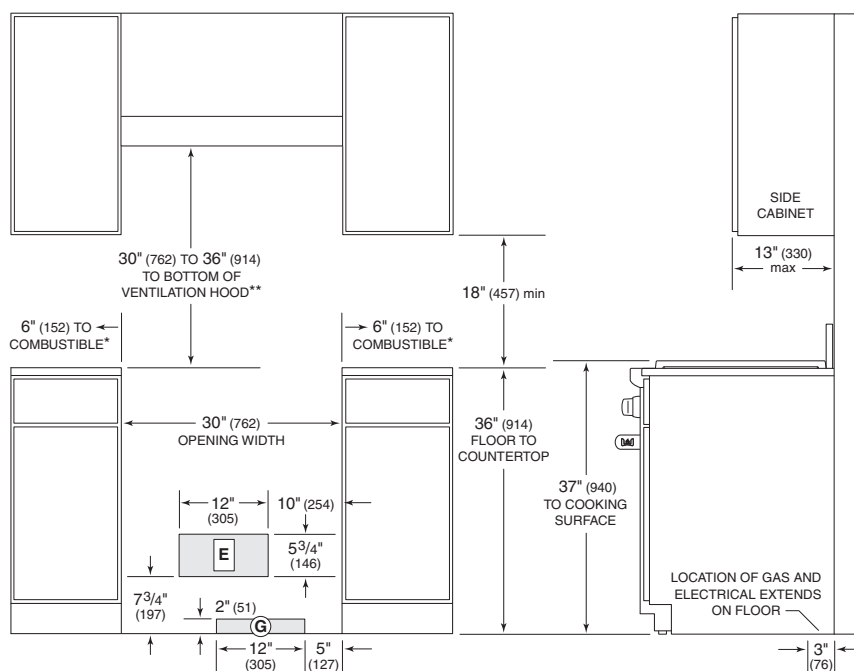


Unit dimensions may vary by  $\pm 1/8$ ".

#### SPECIFICATIONS

Exterior Finish	Stainless Steel
Overall Width	29 <sup>7</sup> / <sub>8</sub> "
Overall Height (to cooking surface)	37"
Overall Depth	28 <sup>3</sup> / <sub>8</sub> "
Oven Interior Capacity	4.4 cu ft
Oven Interior Dimensions	24" W x 18 <sup>5</sup> / <sub>8</sub> " H x 17" D
Opening Width	30"
Opening Height (to countertop)	36"
Opening Depth	24"
Electrical Requirements	110/120 V AC 50/60 Hz, 15 amp circuit
Shipping Weight	325 lbs

#### INSTALLATION SPECIFICATIONS



\*Minimum clearance from rough opening to combustible materials up to 18" (457) above countertop.

\*\*36" (914) minimum clearance from countertop to combustible materials without ventilation hood.

NOTE: For island installations, 12" (305) minimum clearance from back of range to combustible rear wall above countertop.

#### INSTALLATION NOTES

A Wolf pro wall, chimney, island ventilation hood or hood liner is recommended.

Dimensions in parentheses are in millimeters unless otherwise specified.

## Electrical

Installation must comply with all applicable electrical codes.

Locate the electrical supply flush with the wall or floor and within the shaded area shown in the illustration on page 6.

A separate circuit, servicing only this appliance is required.

A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

### ELECTRICAL REQUIREMENTS

#### GAS RANGE

Electrical Supply	grounded, 110/120 V AC, 60 Hz
Service	15 amp dedicated circuit
Receptacle	3-prong grounding-type
Power Cord	6' (1.8 m)

## Gas Supply

Installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code.

Locate the gas supply within the shaded area shown in the illustration on page 6.

The range is equipped for use with natural or liquid propane (LP) gas. It is design certified by the Canadian Standards Association (CSA) for natural or LP gases. The product rating plate has information on the type of gas that should be used. For rating plate location, refer to the illustration on page 3. If this information does not agree with the type of gas available, check with the local gas supplier.

### GAS SUPPLY REQUIREMENTS

#### NATURAL GAS

Gas Supply Pressure	5" (12.5 mb) WC
Min Line Pressure	7" (17.5 mb) WC
Max Pressure to Regulator	14" (34.9 mb) WC, .5 psi (3.5 kPa)

#### LP GAS

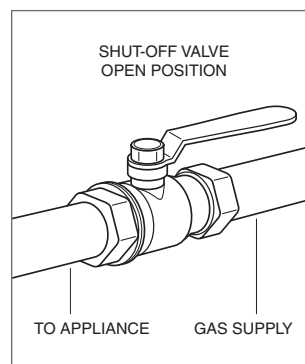
Gas Supply Pressure	10" (25 mb) WC
Min Line Pressure	11" (27.4 mb) WC
Max Pressure to Regulator	14" (34.9 mb) WC, .5 psi (3.5 kPa)

The range must be connected to a regulated gas supply.

The supply line must be equipped with an approved external gas shut-off valve located near the range in an accessible location. Do not block access to the shut-off valve. Refer to the illustration below.

A gas supply line of  $\frac{3}{4}$ " (19) rigid pipe must be provided to the range. If local codes permit, a certified, 3' (.9 m) long,  $\frac{1}{2}$ " (13) or  $\frac{3}{4}$ " (19) ID flexible metal appliance connector is recommended to connect the units  $\frac{1}{2}$ " NPT female inlet to the gas supply line. Pipe joint compounds, suitable for use with natural or LP gas should be used.

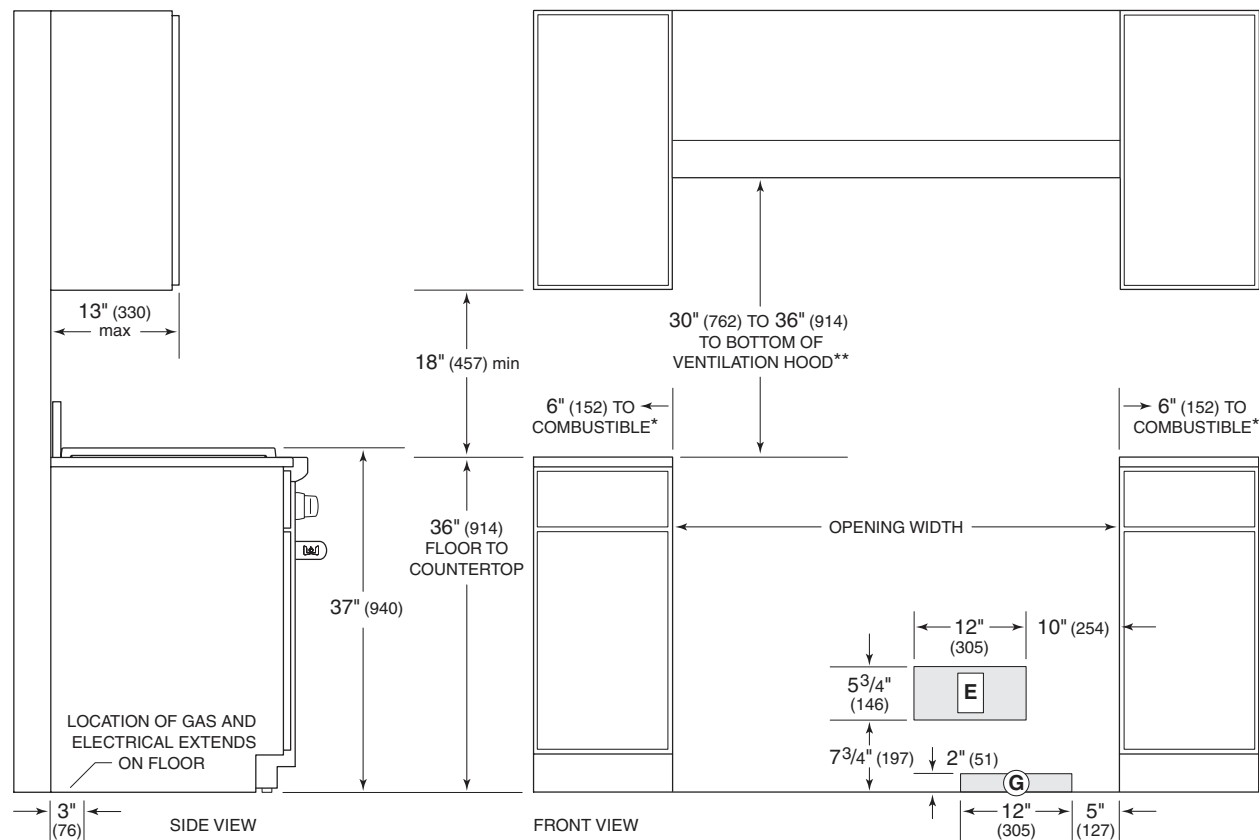
Wolf natural and LP gas ranges will function up to 10,250' (3124 m) in altitude without adjustment. If the installation exceeds this elevation, contact an authorized Wolf dealer for a high altitude conversion kit.



Gas shut-off valve.

## Gas Range

## INSTALLATION



\*Min clearance from rough opening to combustible materials up to 18" (457) above countertop.

\*\*42" (1067) min clearance from countertop to combustible materials without ventilation hood. Charbroiler models and GR488 require non-combustible material above range if installed without ventilation hood.

NOTE: For island installations, 12" (305) min clearance from back of range to combustible rear wall above countertop.

## GAS RANGE

## WIDTH

30" Range  
36" Range  
48" Range  
60" Range

## OPENING WIDTH

30" (762)  
36" (914)  
48" (1219)  
60 1/4" (1530)