

**Specification Sheet for Product:**

**Monogram ZGP486NDTSS**

**Stainless Steel 48 Inch Wide 8.9 Cu. Ft. Natural Gas Professional  
Range with 6 Burners and Griddle**

# MONOGRAM 48" ALL GAS PROFESSIONAL RANGE WITH 6 BURNERS AND GRIDDLE

ZGP486NDTSS (NATURAL GAS)



## BURNER PERFORMANCE

|                                       |            |
|---------------------------------------|------------|
| Front Left Burner Element             | 23,000-BTU |
| Back Left Burner Element              | 18,000-BTU |
| Second From Left Front Burner Element | 15,000-BTU |
| Second From Left Back Burner Element  | 15,000-BTU |
| Third From Left Front Burner Element  | 23,000-BTU |
| Third From Left Back Burner Element   | 18,000-BTU |
| Griddle                               | 18,000-BTU |

## VERSATILE GAS BURNER CONFIGURATION

Delivering exceptional cooking flexibility, the two 23,000-BTU multi-ring brass burners and dual-stack burners offer a range of heat settings, from gentle simmer to intense flame

## 3-PIECE GRATES WITH REVERSIBLE WOK FEATURE

Designed to adapt to different cooking styles, these reversible grates are flat on one side and uniquely contoured on the other to perfectly fit round-bottom woks

## WIFI MONITORING AND REMOTE CONTROL WITH THE SMARTHQ™ APP

Perfect for a busy lifestyle, built-in WiFi capabilities allow for the remote activation of cooking functions, like preheating the oven, setting timers, activating Chef Connect and more

## DYNAMIC OVEN LCD

Functional and stylish, the LCD shows which oven mode is currently in use and other helpful information, like oven temperature, timer and probe temp

## CHEF CONNECT

Stay completely connected with Chef Connect, the smart and convenient feature that can effortlessly synchronize a range of kitchen items such as surface lights and even the vent when the burners are on

## INDUSTRY EXCLUSIVE—CUSTOM COLOR LED ACCENT LIGHTING

For an elevated level of luxury, use the SmartHQ™ app to customize the accent lighting color and brightness to perfectly match your kitchen décor or dining ambiance

## RING-LIT KNOBS

Delivering a modern approach to customization, the SmartHQ™ app allows for the range knobs to be set in any color you choose, indicating when a burner is on and showing the status of the oven

## SOLID BRASS BLADES ON PRECISION MACHINED KNOBS

With an unmatched attention to detail, all knobs on the new Monogram Pro ranges and range tops come with solid brass accents

## SEAMLESS STAINLESS TOP FRAME

Meticulously crafted from one piece of stainless steel that covers the cooktop and control panel, this seamless and stylish surface is easy to clean and beautiful to look at

## SOFT-CLOSE HINGES

Specially designed, soft-close hinges ensure that the oven door always closes smoothly and quietly for a new level of kitchen refinement

## 4 OVEN RACKS (FULL-EXTENSION), 1 LOW PROFILE

Oven racks glide smoothly in and out on stainless steel ball bearings for easy access

## PRECISION OVEN MODES WITH SMARTHQ APP

Simplify the cooking process with Precision Oven Modes that automatically track progress and make time and temperature adjustments

## PRECISE AIR CONVECTION SYSTEM

Designed to optimize air movement in the oven, the convection fan system automatically adjusts airflow—forwards or backwards—depending on the oven mode being used

\*Natural Gas Model



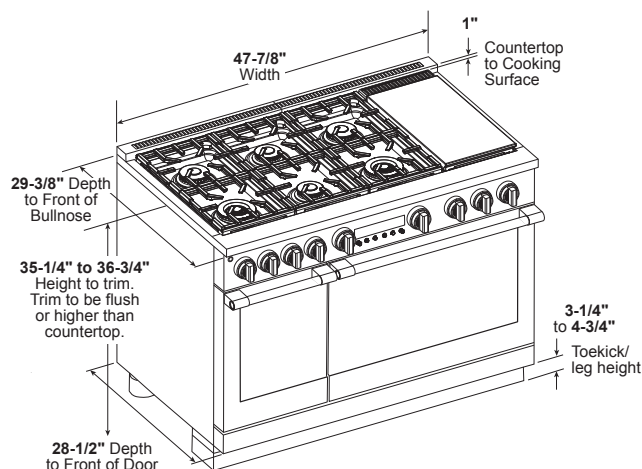
## SPECIFICATIONS

|                 |                                    |
|-----------------|------------------------------------|
| Overall Width   | 47 7/8" (121.6 cm)                 |
| Overall Height  | 35 1/4" (89.5 cm)                  |
| Overall Depth   | 28 1/4" (71.6 cm)                  |
| Door Clearance  | 48 1/4" (122.5 cm)                 |
| Cutout Width    | 48" (121.92 cm)                    |
| Cutout Height   | 35 1/4" - 36 3/4" (89.5 - 93.3 cm) |
| Shipping Weight | 672 lbs (305 kg)                   |

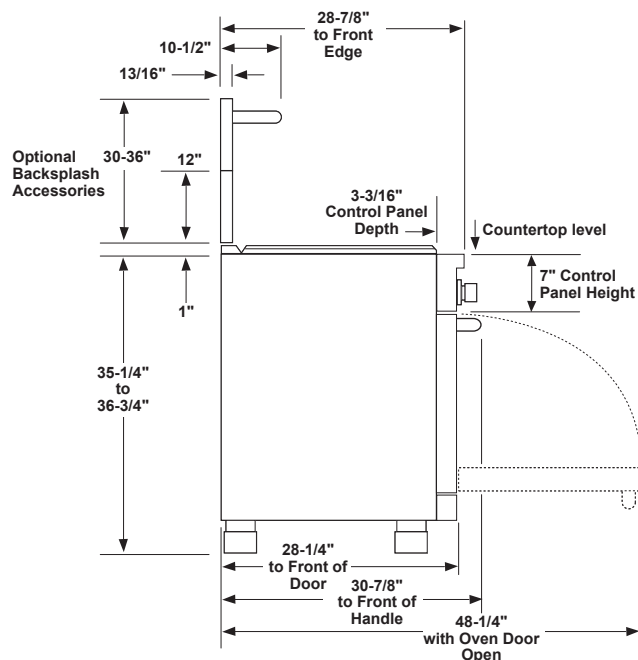
## ATTENTION ELECTRICIAN:

Electrical requirements: Ranges must be hooked up to a 120V, 60Hz properly grounded dedicated circuit protected by a 15-amp circuit breaker or time-delay fuse. See installation instructions for further details.

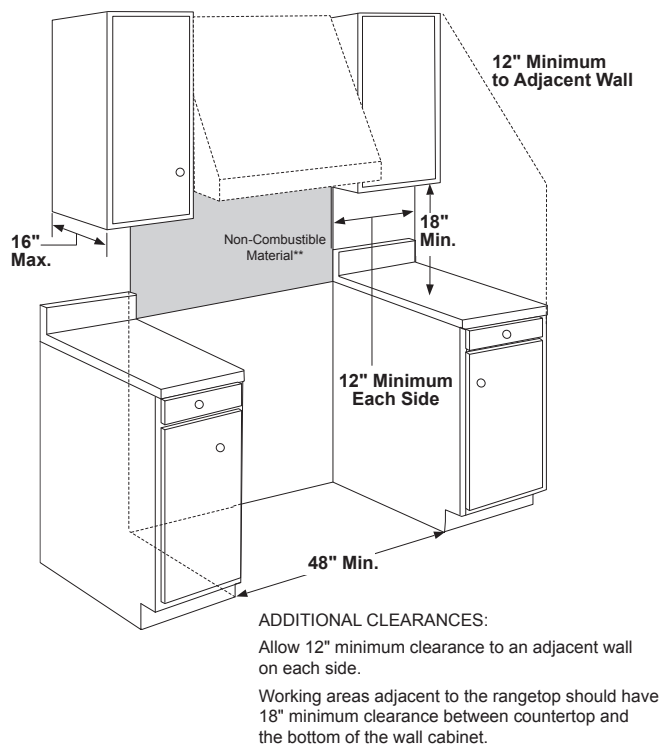
## OVERALL DIMENSIONS



## SIDE VIEW WITH A BACKSPLASH



## DIMENSIONS AND INSTALLATION INFORMATION (IN INCHES)



\*\*As defined in the National Fuel Gas Code (ANSI Z223.1/CSA B149.1, Current Edition). Clearances from non-combustible materials are not part of the ANSI Z21.1/CSA 1.1 scope and are not certified by CSA. Clearances less than 12\" must be approved by local codes and/or the authority having jurisdiction.

## HELPFUL TIPS

All Professional Ranges are factory set for natural gas.

## NOTE

A propane conversion kit is included with the range. High Altitude kit for operation above 6,000 feet (for Natural and LP gas models), is available at an additional cost. The conversion must be performed by a qualified gas installer at additional cost.

HA NG Service Kit: WB28X39726

HA LP Service Kit: WB28X39727

## INSTALLATION INFORMATION

Before installing, consult installation instructions packed with product or online at [Monogram.com](http://Monogram.com) for current dimensional data. A suitable overhead vent hood is required.

## ADVANCE PLANNING

Refer to dimensional drawings for appropriate placement and necessary clearances when planning the installation.

- Working areas adjacent to the range should have 18\" minimum clearance between countertop and cabinet bottom.
- Clearance between range and side wall or combustible material must be at least 12\" on each side.
- Installation must conform with local codes. In the absence of local codes, the range must comply with the National Fuel Gas Code, ANSI Z223.1-1990.

## ⚠ WARNING

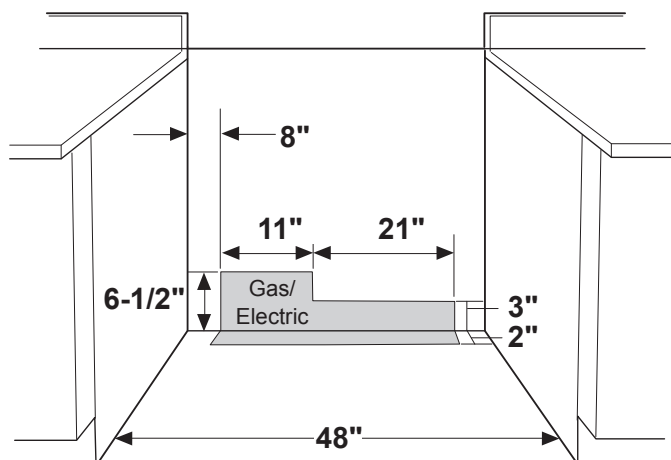
A suitable overhead vent hood is required. A custom hood installation with exposed horizontal combustible surfaces must have an Auto-On feature. Refer to hood installation instructions for specific hood clearances.

The surface of the entire back wall above the range and below the hood must be covered with a non-combustible material such as metal, ceramic tile, brick, marble or other stone.



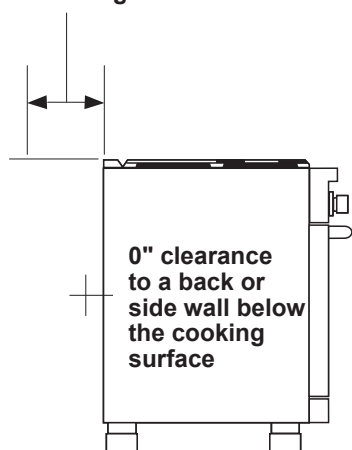
## DIMENSIONS AND INSTALLATION INFORMATION (IN INCHES)

### UTILITY LOCATIONS



Locate gas and electric as shown

**12" min. to combustibles or 0" to a non-combustible material above the cooking surface**



### HELPFUL TIPS

#### GAS PRESSURE REGULATOR

You must use the gas pressure regulator supplied with this rangetop. For proper operations the inlet pressure to the regulator should be as follows:

Natural Gas:

Minimum pressure: 6" of Water Column

Maximum pressure: 13" of Water Column

Propane (LP) Gas:

Minimum pressure: 11" of Water Column

Maximum pressure: 13" of Water Column

See installation instructions for more details

#### OPTIONAL BACKSPLASH ACCESSORIES

- The range requires a 12" minimum clearance to a vertical combustible surface at the rear. A backsplash is required for installations with less than 12" clearance. The following backsplash accessories are available, or a custom, non-combustible backsplash can be used.
- Order one with a 36"-wide range backsplash:
- UX12BS48PSS-12"-height backsplash
- UXADBS48PSS-30"-36" adjustable-height backsplash with warming shelf

**Specification Sheet for Product:**

**Trade-Wind VSL44812RC**

**Stainless Steel VSL400 Series 1,200 CFM 48 Inch Wide Range  
Hood Insert with Remote and LED Lighting**

### PERFORMANCE · QUALITY · CUSTOMER SERVICE

#### QUIET OPERATION

- Large 3-speed blower operates at lower RPM reducing the sound level

#### ENDURING QUALITY

- Commercial grade stainless steel (#304 grade) and galvanized steel construction
- LED lights brighten cooking area
- CFM and sound tested by Energy Systems Laboratory at Texas A&M University

#### DISTINCTIVE LOW-PROFILE DESIGN

- Style complements ALL custom and manufactured wood hood designs
- Simplicity of design preferred by homeowners



#### EASE OF OPERATION

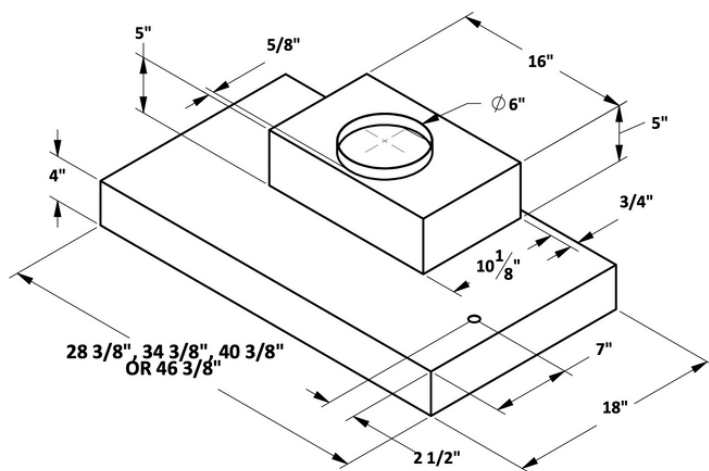
- Remote control included with purchase
- Optional automatic 5 minute shut off timer
- Electronic touch controls with blue LED lighting

#### SIMPLE INSTALLATION

- Installs easily in standard size or custom-built wood range hoods
- Wiring diagram label for simple electrical connection

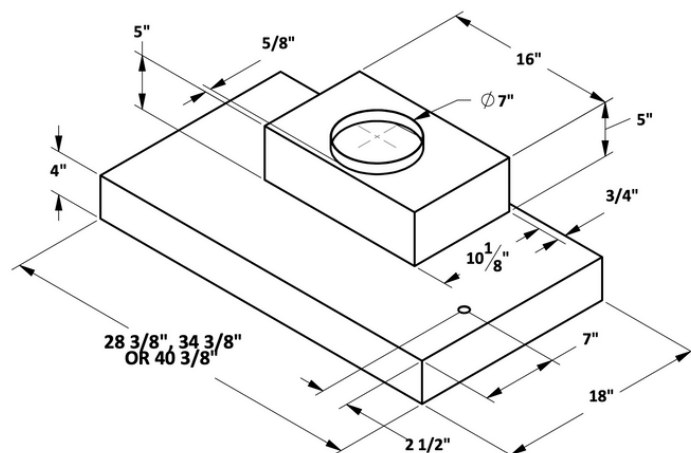
#### EASY CLEANING

- Dishwasher-safe commercial-style baffle filters with 2 easy-grip handles
- Detergent inlet holes and grease exit holes in baffle filters for superior dishwasher cleaning



#### 290 CFM MODELS

OPTIONAL DUCTLESS CONVERSION KIT MODEL#: 5BL-39-400-DCK;  
5BL-39-400-DCK1 (VSL4482RC ONLY)

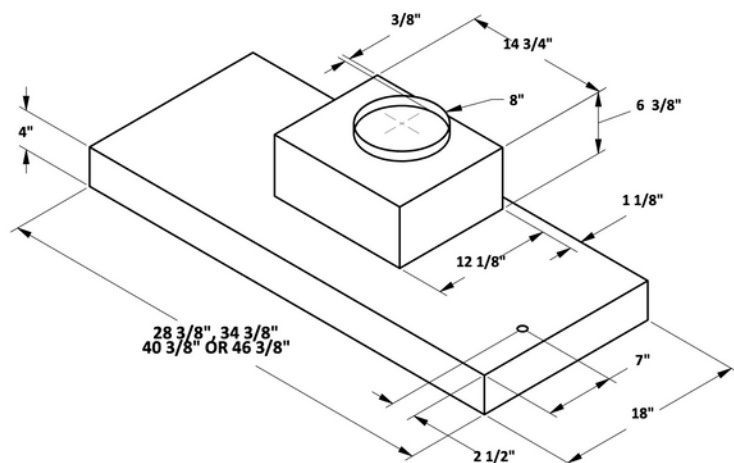


#### 390 CFM MODELS

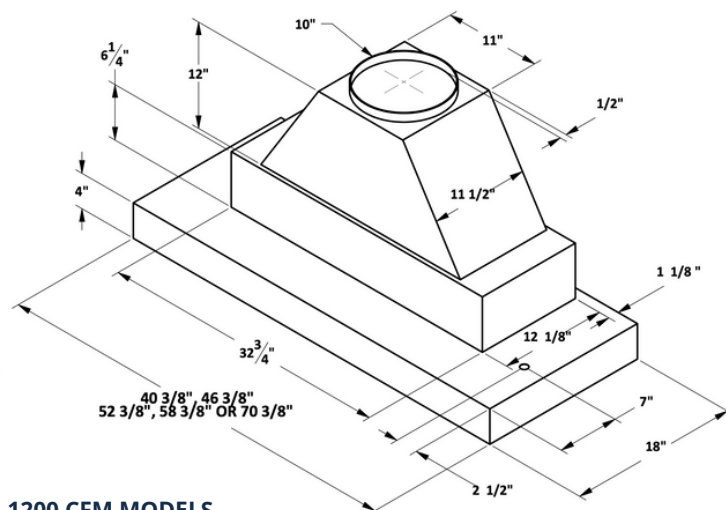
OPTIONAL DUCTLESS CONVERSION KIT MODEL#: 5BL-39-400-DCK



| MODEL      | FRONT TO BACK | WIDTH   | COLOR | 3-SPEED<br>INTERNAL<br>BLOWER | CFM  | LED<br>LIGHTS | S/S BAFFLE<br>FLITERS | REMOTE<br>CONTROL | DUCT<br>COLLAR | ELECTRONIC<br>TOUCH<br>CONTROL |
|------------|---------------|---------|-------|-------------------------------|------|---------------|-----------------------|-------------------|----------------|--------------------------------|
| VSL4302RC  | 18"           | 28 3/8" | S/S   | ✓                             | 290  | 2             | ✓                     | ✓                 | 6"             | ✓                              |
| VSL4303RC  | 18"           | 28 3/8" | S/S   | ✓                             | 390  | 2             | ✓                     | ✓                 | 7"             | ✓                              |
| VSL4304RC  | 18"           | 28 3/8" | S/S   | ✓                             | 390  | 2             | ✓                     | ✓                 | 3 1/4" x 10"   | ✓                              |
| VSL4306RC  | 18"           | 28 3/8" | S/S   | ✓                             | 600  | 2             | ✓                     | ✓                 | 8"             | ✓                              |
| VSL4362RC  | 18"           | 34 3/8" | S/S   | ✓                             | 290  | 2             | ✓                     | ✓                 | 6"             | ✓                              |
| VSL4363RC  | 18"           | 34 3/8" | S/S   | ✓                             | 390  | 2             | ✓                     | ✓                 | 7"             | ✓                              |
| VSL4364RC  | 18"           | 34 3/8" | S/S   | ✓                             | 390  | 2             | ✓                     | ✓                 | 3 1/4" x 10"   | ✓                              |
| VSL4366RC  | 18"           | 34 3/8" | S/S   | ✓                             | 600  | 2             | ✓                     | ✓                 | 8"             | ✓                              |
| VSL4422RC  | 18"           | 40 3/8" | S/S   | ✓                             | 290  | 2             | ✓                     | ✓                 | 6"             | ✓                              |
| VSL4423RC  | 18"           | 40 3/8" | S/S   | ✓                             | 390  | 2             | ✓                     | ✓                 | 7"             | ✓                              |
| VSL4424RC  | 18"           | 40 3/8" | S/S   | ✓                             | 390  | 2             | ✓                     | ✓                 | 3 1/4" x 10"   | ✓                              |
| VSL4426RC  | 18"           | 40 3/8" | S/S   | ✓                             | 600  | 2             | ✓                     | ✓                 | 8"             | ✓                              |
| VSL44212RC | 18"           | 40 3/8" | S/S   | ✓                             | 1200 | 2             | ✓                     | ✓                 | 10"            | ✓                              |
| VSL4482RC  | 18"           | 46 3/8" | S/S   | ✓                             | 290  | 3             | ✓                     | ✓                 | 6"             | ✓                              |
| VSL4486RC  | 18"           | 46 3/8" | S/S   | ✓                             | 600  | 3             | ✓                     | ✓                 | 8"             | ✓                              |
| VSL44812RC | 18"           | 46 3/8" | S/S   | ✓                             | 1200 | 3             | ✓                     | ✓                 | 10"            | ✓                              |
| VSL45412RC | 18"           | 52 3/8" | S/S   | ✓                             | 1200 | 3             | ✓                     | ✓                 | 10"            | ✓                              |
| VSL46012RC | 18"           | 58 3/8" | S/S   | ✓                             | 1200 | 3             | ✓                     | ✓                 | 10"            | ✓                              |
| VSL47212RC | 18"           | 70 3/8" | S/S   | ✓                             | 1200 | 4             | ✓                     | ✓                 | 10"            | ✓                              |



**600 CFM MODELS**



**1200 CFM MODELS**



800 WEST GRANT STREET  
PHOENIX, AZ 85007  
1-800-955-5737  
602-900-8500  
**T - WUSA.COM**



TRADE-WIND Manufacturing, LLC has a policy of continuous improvements and reserves the right to modify (at any time without notice) any or all of its products, features, designs, components and specifications. For further information on installation and wiring, see the installation instructions included with the product or visit us on the web.

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**Specification Sheet for Product:**

**Bosch SHV53CM3N**

**Panel Ready 300 Series 24 Inch Wide 16 Place Setting Built-In**

**Panel Ready Top Control Dishwasher**

# 24" Custom Panel Dishwasher

300 Series – Custom Panel SHV53CM3N



**BOSCH**  
Invented for life



**SHV53CM3N**  
Custom Panel

**The 3rd rack provides the perfect space for silverware and large utensils while its V shape leaves room below for taller items.**

## Features & Benefits

So quiet at 46 dBA, InfoLight® shines on the floor so you know the dishwasher is running.

With PrecisionWash®, intelligent sensors and precision spray arms target every item of every load, so dishes come out sparkling clean every time.

Enhance your cleaning experience with Wi-Fi enabled Home Connect®. Access additional wash cycles and options or choose the right one for your needs using Smart Cycle.

The AquaStop® leak protection system contains leaks through a precisely engineered system. If a leak occurs, the system contains it by shutting down operation and pumping out water. So you have the ultimate peace of mind whether you are away or at home.

## General Properties

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Number of wash cycles           | 5 + 3 additional in Home Connect® |
| Number of options               | 3 + 2 additional in Home Connect® |
| dBA                             | 46                                |
| Wash system                     | PrecisionWash®                    |
| Drying system                   | PureDry®                          |
| Third rack                      | Standard 3rd Rack                 |
| Rack adjustability              | Rackmatic®                        |
| Tub material                    | Stainless Steel                   |
| Control type                    | Touch Controls                    |
| Concealed water heating element | Yes                               |
| Leak protection system          | 24/7 AquaStop®                    |
| Home Connect® (WiFi enabled)    | Yes                               |
| NSF®-certified* sanitize option | Yes                               |
| Water softener                  | No                                |
| Five-level wash                 | Yes                               |
| Child Lock button suspension    | No                                |
| Special features                | InfoLight®, Extra Dry Option      |

## Efficiency

|                                 |         |
|---------------------------------|---------|
| Water usage per cycle           | 3.5     |
| ENERGY STAR® qualified          | No      |
| Total annual energy consumption | 269 kWh |

## Capacity

|                          |    |
|--------------------------|----|
| Number of place settings | 16 |
|--------------------------|----|

## Technical Details

|                                                                  |                           |
|------------------------------------------------------------------|---------------------------|
| Watts                                                            | 1440 W                    |
| Current                                                          | 12 Amps                   |
| Volts                                                            | 120 V                     |
| Frequency                                                        | 60 Hz                     |
| Power cord full length                                           | 67"                       |
| Power cord install length from edge of unit when facing the door | Left – 45"<br>Right – 56" |
| Minimum water pressure                                           | 14 lb/sin                 |
| Length outlet hose                                               | 78 3/4"                   |

## Dimensions & Weight

|                                      |                               |
|--------------------------------------|-------------------------------|
| Overall appliance dimensions (HxWxD) | 33 7/8" x 23 9/16" x 23 1/16" |
| Required cutout size (HxWxD)         | 33 7/8" x 24" x 24"           |
| Adjustable feet                      | Yes                           |
| Net weight                           | 78 lbs                        |

## Accessories—Optional

|                                              |            |
|----------------------------------------------|------------|
| Junction Box                                 | SMZPCJB1UC |
| Junction Box + Supply Hose Kit               | SMZ3IN1UC  |
| Bosch Dishwasher Water Supply Hose           | SMZSH1ABUC |
| Drain Hose Extension Kit                     | SGZ1010UC  |
| Silverware Basket                            | SMZ4000UC  |
| Dishwasher Accessory Kit                     | SMZ5000    |
| Anti-Tarnish Silverware Cassette             | SMZ5002UC  |
| Edge Protector + Power Cord Clip Install Kit | SMZEPCC1UC |
| Stainless Steel Bar Handle                   | SMZ1008UC  |



\*Certification to NSF/ANSI Standard 184 for residential dishwashers

**Accessories:** To purchase Bosch accessories, cleaners & parts please visit [www.bosch-home.com/us/store](http://www.bosch-home.com/us/store) or call 1-800-944-2904 (Mon to Fri 5 am to 6 pm PST, Sat 6 am to 3 pm PST).

**Notes:** All height, width and depth dimensions are shown in inches. 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 prior to making cutout.

**Warranties:** Please see Use & Care manual or Bosch website for statement of limited warranty.

**For more information on our entire line of products, go to [www.bosch-home.com/us](http://www.bosch-home.com/us) or call 1-800-944-2904**

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# 24" Custom Panel Dishwasher

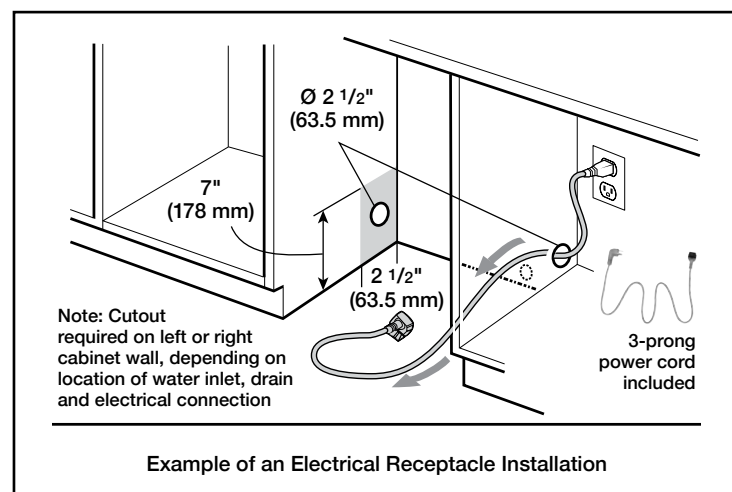
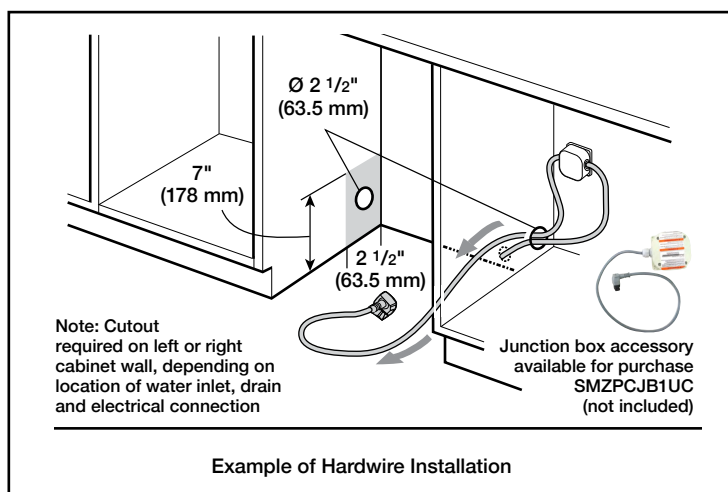
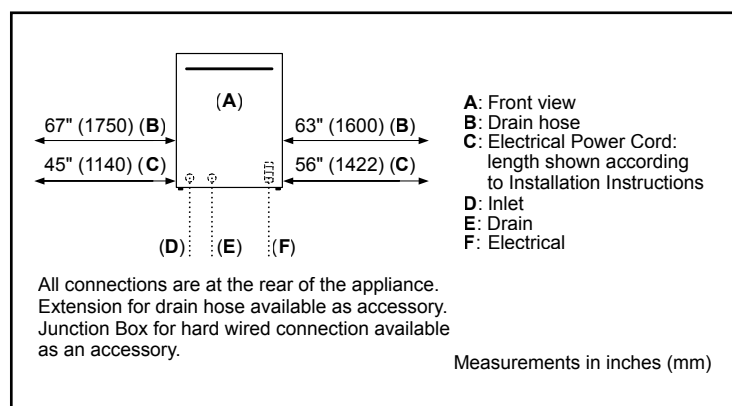
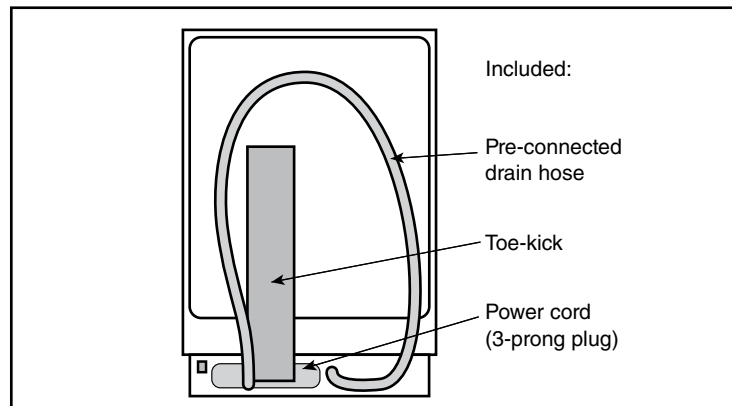
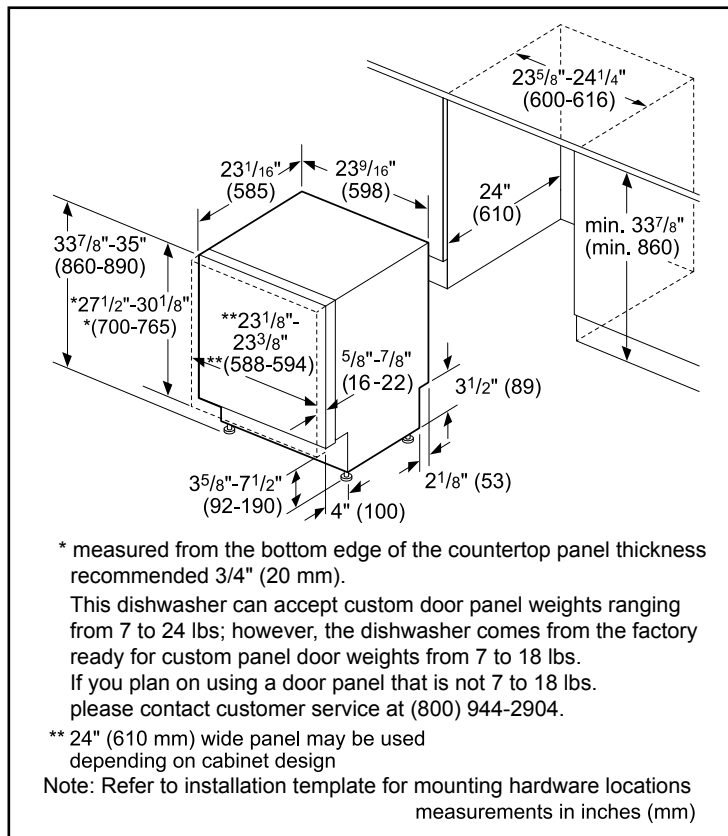
300 Series – Custom Panel SHV53CM3N



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## Installation Details



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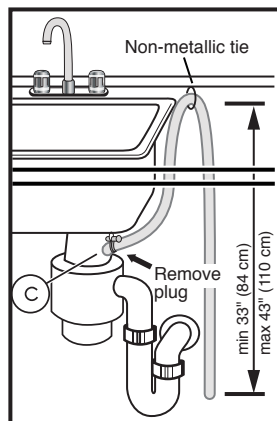
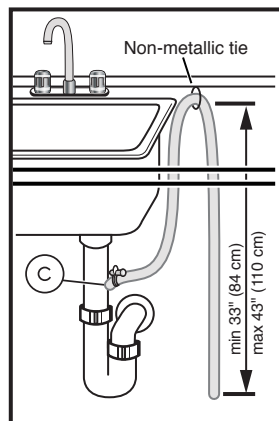
# 24" Custom Panel Dishwasher

300 Series – Custom Panel SHV53CM3N



**BOSCH**  
Invented for life

## Installation Details



Note: Plumbing installations will vary - refer to local codes. Drain hose included is 79" (201 cm) and can be extended to a maximum of 155 3/4" (396 cm).

Always use the approved drain hose extension kit (SGZ1010UC).

Ensure a portion of the drain hose is raised between min. 33" (84 cm) and max. 43" (110 cm) above the cabinet floor.

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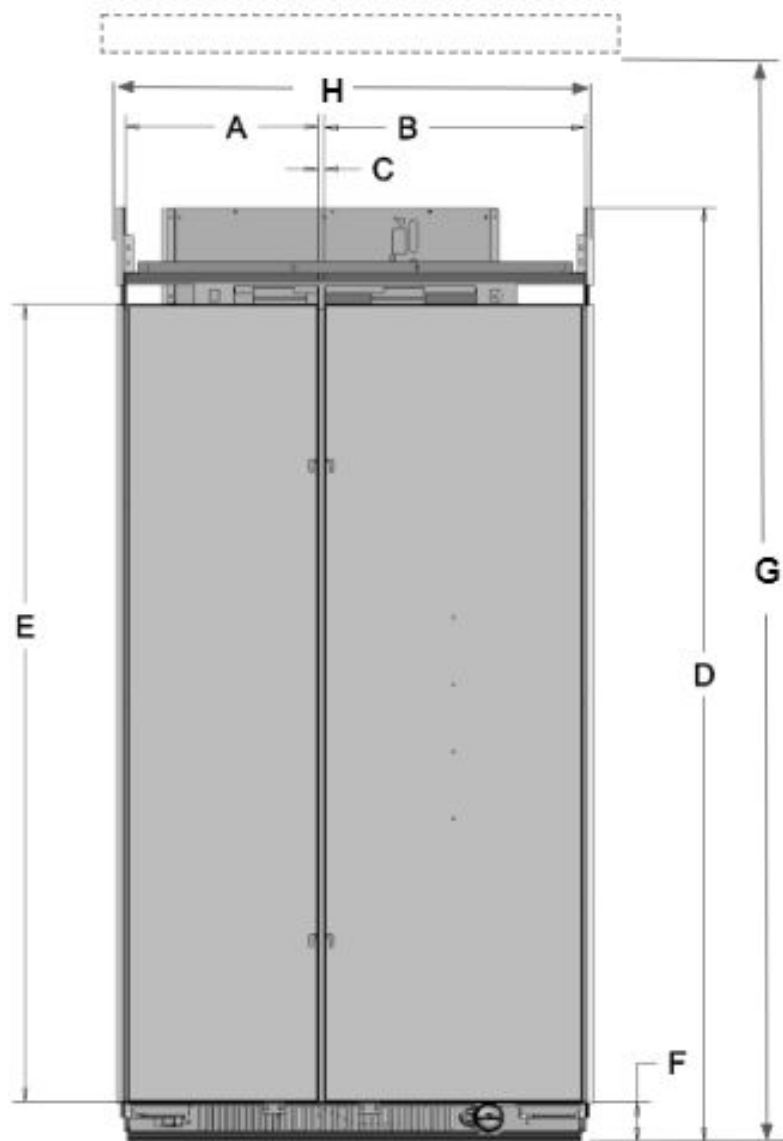
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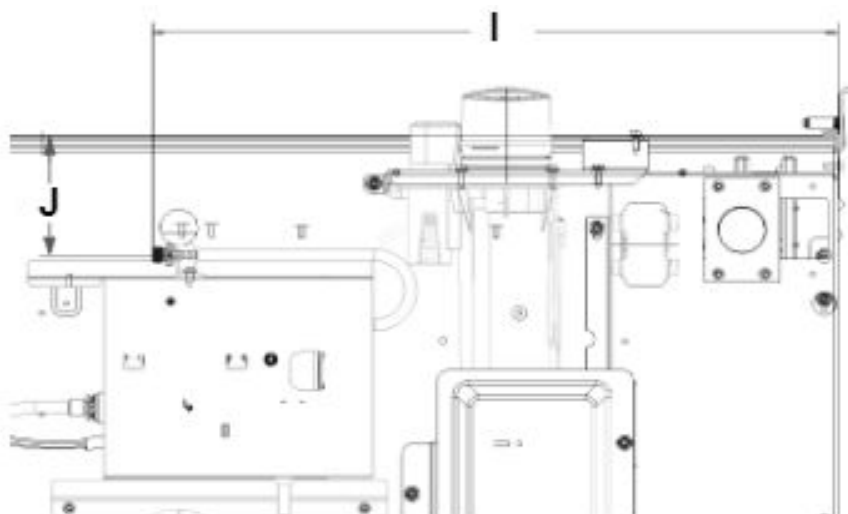
**Specification Sheet for Product:**

**JennAir JBSFS48NMX**

**Panel Ready 48 Inch Wide 29.4 Cu. Ft. Built-In Refrigerator With  
Obsidian Interior**

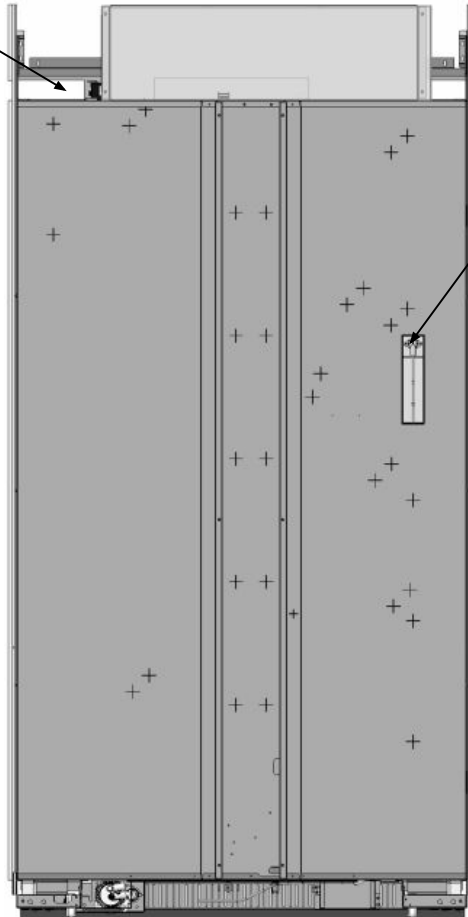


| Description |                                             | Inches (cm)                              |
|-------------|---------------------------------------------|------------------------------------------|
| <b>A</b>    | Width of FC door                            |                                          |
|             | 42"                                         | 17 <sup>3</sup> / <sub>16</sub> " (43.7) |
|             | 48"                                         | 19 <sup>3</sup> / <sub>4</sub> " (50.1)  |
| <b>B</b>    | Width of RC door                            |                                          |
|             | 42"                                         | 23 <sup>1</sup> / <sub>4</sub> " (59)    |
|             | 48"                                         | 26 <sup>3</sup> / <sub>4</sub> " (67.9)  |
| <b>C</b>    | Space between doors                         | 1/2" (1.3)                               |
| <b>D</b>    | Total height                                | 83 <sup>1</sup> / <sub>4</sub> " (211.4) |
| <b>E</b>    | Height of doors                             | 71" (180.5)                              |
| <b>F</b>    | Height of grille                            | 3 <sup>9</sup> / <sub>16</sub> " (9.0)   |
| <b>G</b>    | To bottom of solid soffit (minimum/maximum) | 83 <sup>1</sup> / <sub>2</sub> " (212.1) |
|             |                                             | 84 <sup>5</sup> / <sub>8</sub> " (215)   |
| <b>H</b>    | Overall width with side trims               |                                          |
|             |                                             | 42 <sup>3</sup> / <sub>8</sub> " (107.6) |
|             |                                             | 48 <sup>3</sup> / <sub>8</sub> " (122.8) |
| <b>I</b>    | Water line location distance from side      | 17 <sup>3</sup> / <sub>4</sub> " (45.0)  |
| <b>J</b>    | Water line location distance from front     | 3 <sup>1</sup> / <sub>4</sub> " (8.2)    |



Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice. Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

Power chord location



**Water lines:**  
foamed in  
and are external

## Electrical Requirements

### ⚠ WARNING



#### Electrical Shock Hazard

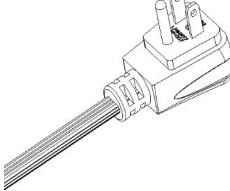
Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

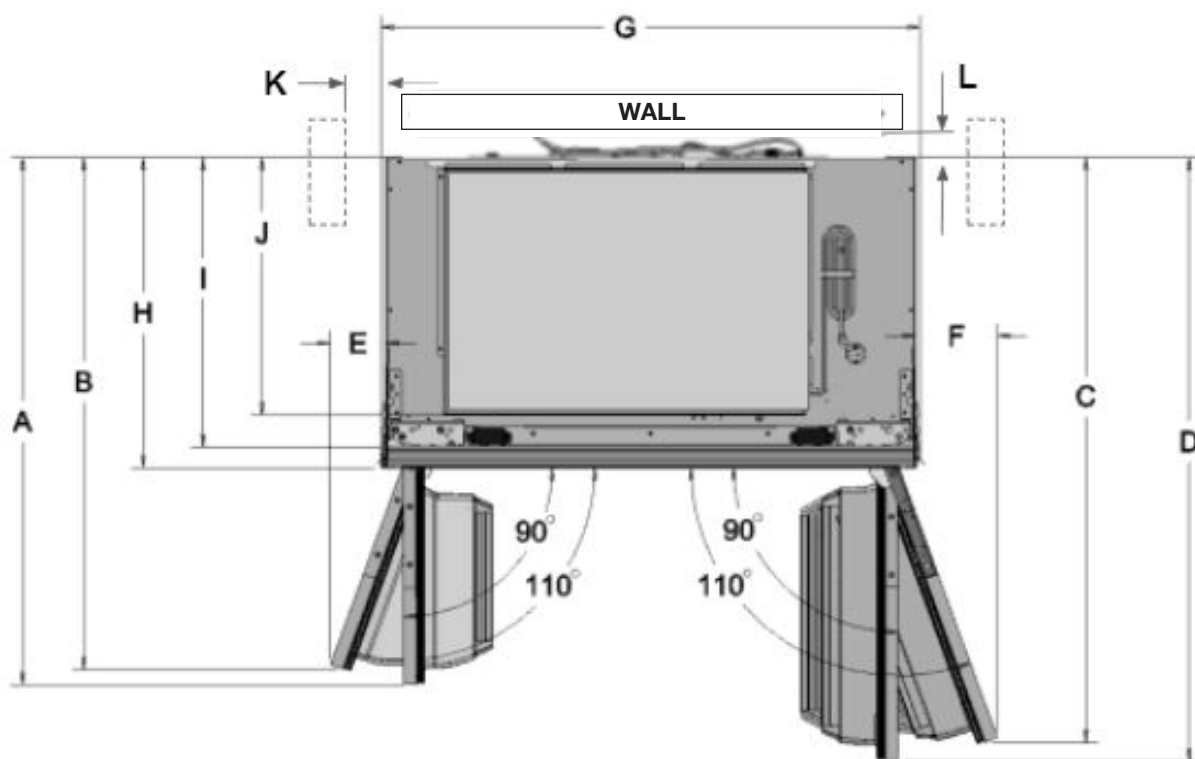
Failure to follow these instructions can result in death, fire, or electrical shock.

|                                                                                      | Power chord |                       |
|--------------------------------------------------------------------------------------|-------------|-----------------------|
|                                                                                      | Type        | Length<br>Inches (cm) |
|  | Standard    | 60" (152.5)           |

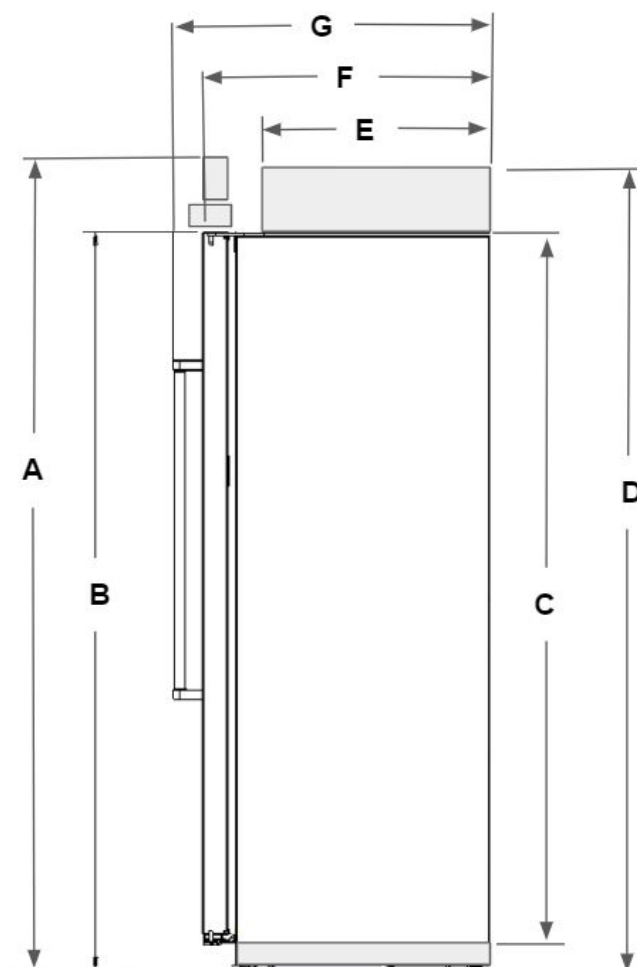
**Electrical:** A 115V, 60 Hz, AC only, 15A or 20A fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

**Water:** A cold water supply with water pressure of between 30 and 120 psi (270 kPa and 827 kPa) is required to operate the water dispenser and ice maker. If you have questions about your water pressure, call a licensed, qualified plumber.

Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice. Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.



| Description |                                                             | Inches (cm)                                                                            |
|-------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>A</b>    | Depth with FC door open 90°                                 |                                                                                        |
|             | 42"<br>48"                                                  | 40 <sup>13</sup> / <sub>16</sub> " (103.7)<br>43 <sup>1</sup> / <sub>8</sub> " (109.6) |
| <b>B</b>    | Depth with FC door open 110°                                |                                                                                        |
|             | 42"<br>48"                                                  | 39 <sup>5</sup> / <sub>8</sub> " (100.7)<br>41 <sup>15</sup> / <sub>16</sub> " (106.5) |
| <b>C</b>    | Depth with RC door open 110°                                |                                                                                        |
|             | 42"<br>48"                                                  | 45 <sup>5</sup> / <sub>16</sub> " (115.1)<br>48 <sup>7</sup> / <sub>16</sub> " (123.4) |
| <b>D</b>    | Depth with RC door open 90°                                 |                                                                                        |
|             | 42"<br>48"                                                  | 46 <sup>3</sup> / <sub>4</sub> " (118.7)<br>50 <sup>1</sup> / <sub>4</sub> " (127.6)   |
| <b>E</b>    | From FC side of refrigerator to edge - door fully open 110° |                                                                                        |
|             | 42"<br>48"                                                  | 4 <sup>5</sup> / <sub>16</sub> " (10.9)<br>5 <sup>3</sup> / <sub>16</sub> " (13.1)     |
| <b>F</b>    | From RC side of refrigerator to edge - door fully open 110° |                                                                                        |
|             | 42"<br>48"                                                  | 6 <sup>3</sup> / <sub>8</sub> " (16.2)<br>7 <sup>9</sup> / <sub>16</sub> " (19.2)      |
| <b>G</b>    | Hinge edge to hinge edge                                    |                                                                                        |
|             | 42"<br>48"                                                  | 41 <sup>3</sup> / <sub>4</sub> " (106)<br>47 <sup>3</sup> / <sub>4</sub> " (121.3)     |
| <b>H</b>    | Depth without doors                                         | 24" (61)                                                                               |
| <b>I</b>    | Depth with doors                                            | 22 <sup>3</sup> / <sub>8</sub> " (56.8)                                                |
| <b>J</b>    | Depth to machine compartment cover                          | 19 <sup>15</sup> / <sub>16</sub> " (50.6)                                              |
| <b>K</b>    | Space required for side cabinet                             | 6" (15.24)                                                                             |
| <b>L</b>    | Space required for water lines and power chord              | 1" (2.54)                                                                              |



| Description |                                            | Inches (cm)                               |
|-------------|--------------------------------------------|-------------------------------------------|
| <b>A</b>    | Height to top of doors                     | 74 <sup>9</sup> / <sub>16</sub> " (189.4) |
| <b>B</b>    | Height of Cabinet                          | 71" (180.4)                               |
| <b>C</b>    | Height to top of machine compartment cover | 83 <sup>3</sup> / <sub>16</sub> " (211.3) |
| <b>D</b>    | Depth to machine compartment cover         | 19 <sup>15</sup> / <sub>16</sub> " (50.6) |
| <b>E</b>    | Depth without doors                        | 22 <sup>3</sup> / <sub>8</sub> " (56.8)   |
| <b>F</b>    | Depth with doors                           | 24" (61)                                  |

| Interior dimensions             | Width Inches (cm)                         | Height Inches (cm)                        |
|---------------------------------|-------------------------------------------|-------------------------------------------|
| <b>Refrigerator Compartment</b> |                                           |                                           |
| 42"                             | 20 <sup>13</sup> / <sub>16</sub> " (52.9) | 67 <sup>1</sup> / <sub>16</sub> " (170.4) |
| 48"                             | 24 <sup>5</sup> / <sub>16</sub> " (61.8)  |                                           |
| <b>Freezer Compartment</b>      |                                           |                                           |
| 42"                             | 14 <sup>5</sup> / <sub>16</sub> " (36.4)  | 66 <sup>3</sup> / <sub>4</sub> " (169.6)  |
| 48"                             | 16 <sup>13</sup> / <sub>16</sub> " (42.7) |                                           |

## Location Requirements

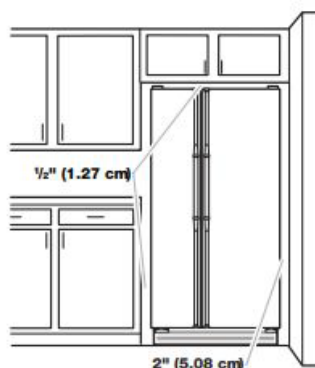
### **⚠ WARNING**



#### **Explosion Hazard**

**Keep flammable materials and vapors, such as gasoline, away from refrigerator.**

**Failure to do so can result in death, explosion, or fire.**

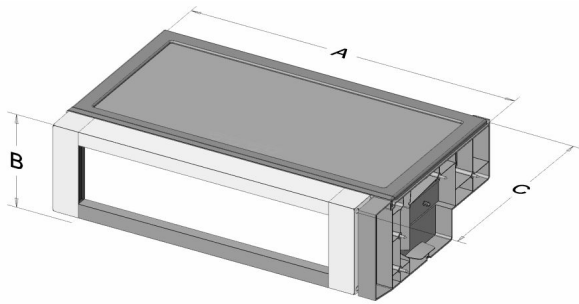
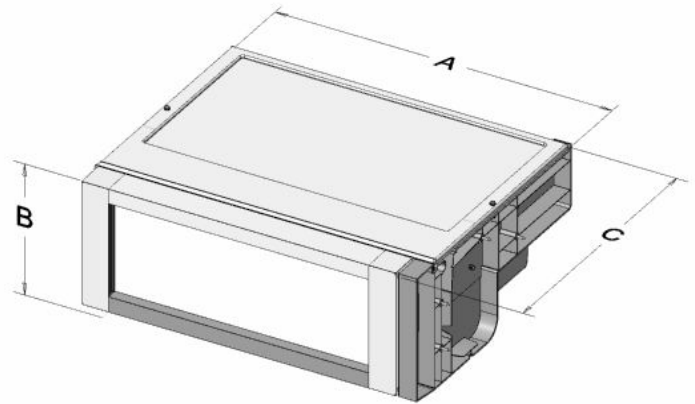
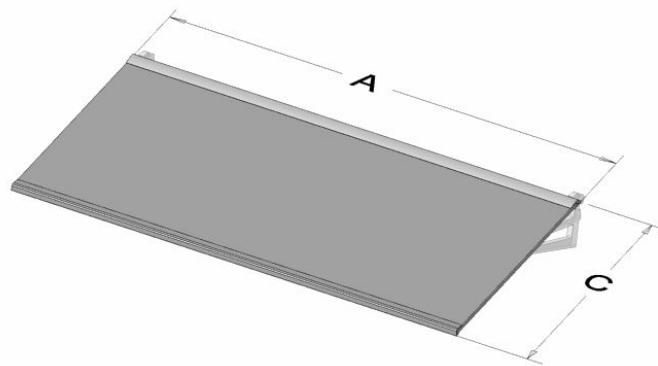


To ensure proper ventilation for your refrigerator, allow for 1/2" (1.27 cm) of space on each side and at the top. Allow for 1" (2.54 cm) of space behind the refrigerator. If your refrigerator has an ice maker, allow extra space at the back for the water line connections. When installing your refrigerator next to a fixed wall, leave a 2" (5.08 cm) minimum space on each side (depending on your model) to allow the doors to swing open.

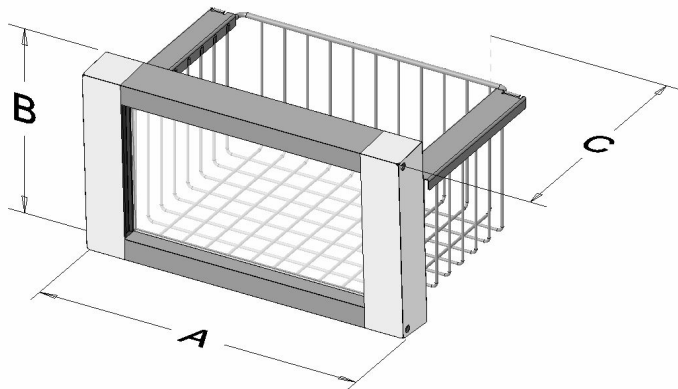
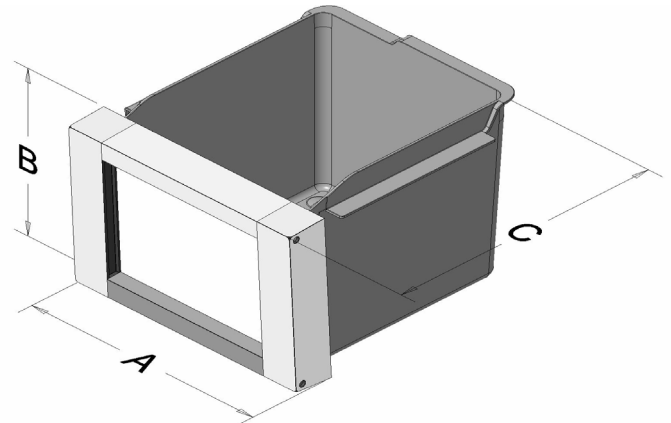
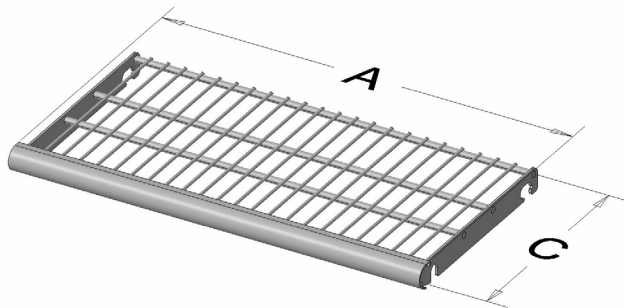
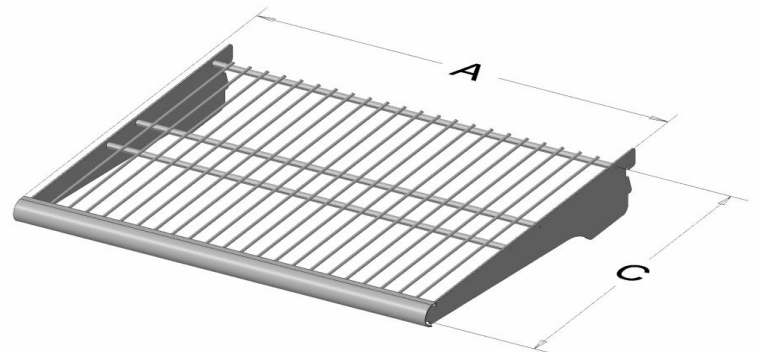
#### **NOTES:**

■ This refrigerator is intended for use in a location where the temperature ranges from a minimum of 55°F (13°C) to a maximum of 110°F (43°C). The preferred room temperature range for optimum performance, which reduces electricity usage and provides superior cooling, is between 60°F (15°C) and 90°F (32°C). It is recommended that you do not install the refrigerator near a heat source, such as an oven or radiator.

■ Normal minimum cabinet cut-out width required for product installation is 36" (91.44 cm). However, if the product is placed against an extended wall and the ability to remove the crisper pans is desired, an additional 18" (45.72 cm) of cabinet width is required, so a total cabinet opening width of 54" (137.16 cm) is recommended.


**Meat Pan**

**Crisper Pan**

**Shelf**
**Refrigerator Compartment Features**

| Description        | A<br>Width<br>Inches (cm)                 | B<br>Height<br>Inches (cm)               | C<br>Depth<br>Inches (cm)                |
|--------------------|-------------------------------------------|------------------------------------------|------------------------------------------|
| <b>Meat pan</b>    |                                           |                                          |                                          |
| 42"                | 20 <sup>11</sup> / <sub>16</sub> " (52.5) | 6 <sup>1</sup> / <sub>8</sub> " (15.6)   | 12 <sup>5</sup> / <sub>8</sub> " (32.0)  |
| 48"                | 24 <sup>3</sup> / <sub>16</sub> " (61.4)  |                                          |                                          |
| <b>Crisper pan</b> |                                           |                                          |                                          |
| 42"                | 20 <sup>11</sup> / <sub>16</sub> " (52.5) | 7 <sup>15</sup> / <sub>16</sub> " (20.1) | 16 <sup>5</sup> / <sub>16</sub> " (41.5) |
| 48"                | 24 <sup>3</sup> / <sub>16</sub> " (61.4)  |                                          |                                          |
| <b>Shelf</b>       |                                           |                                          |                                          |
| 42"                | 20 <sup>3</sup> / <sub>8</sub> " (51.7)   | N/A                                      | 14 <sup>3</sup> / <sub>16</sub> " (36.1) |
| 48"                | 23 <sup>7</sup> / <sub>8</sub> " (60.6)   |                                          |                                          |


**Basket Freezer**

**Ice Bin**

**Bottom Wire Shelf**

**Top Wire Shelf**

| <b>Freezer Compartment Features</b> |                                           |                                         |                                          |
|-------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|
| <b>Description</b>                  | <b>A<br/>Width<br/>Inches (cm)</b>        | <b>B<br/>Height<br/>Inches (cm)</b>     | <b>C<br/>Depth<br/>Inches (cm)</b>       |
| <b>Basket Freezer</b>               |                                           |                                         |                                          |
| 42"                                 | 11 <sup>3</sup> / <sub>16</sub> " (28.4)  | 8 <sup>1</sup> / <sub>16</sub> " (20.5) | 10 <sup>3</sup> / <sub>16</sub> " (25.9) |
| 48"                                 | 13 <sup>11</sup> / <sub>16</sub> " (34.7) |                                         |                                          |
| <b>Ice Bin</b>                      |                                           |                                         |                                          |
| 42"                                 | 11 <sup>3</sup> / <sub>16</sub> " (28.4)  | 8 <sup>3</sup> / <sub>8</sub> " (21.3)  | 12 <sup>1</sup> / <sub>2</sub> " (31.7)  |
| 48"                                 | 13 <sup>11</sup> / <sub>16</sub> " (34.7) |                                         |                                          |
| <b>Bottom Wire Shelf</b>            |                                           |                                         |                                          |
| 42"                                 | 13 <sup>7</sup> / <sub>8</sub> " (35.3)   | N/A                                     | 7 <sup>3</sup> / <sub>16</sub> " (18.2)  |
| 48"                                 | 16 <sup>7</sup> / <sub>16</sub> " (41.7)  |                                         |                                          |
| <b>Top Wire Shelf</b>               |                                           |                                         |                                          |
| 42"                                 | 13 <sup>7</sup> / <sub>8</sub> " (35.3)   | N/A                                     | 11 <sup>9</sup> / <sub>16</sub> " (29.3) |
| 48"                                 | 16 <sup>7</sup> / <sub>16</sub> " (41.7)  |                                         |                                          |

**Specification Sheet for Product:**

**Sharp SMD2470ASY**

**Stainless Steel 24 Inch Wide 1.2 Cu. Ft. Microwave Drawer with  
Push Button Opening**



# SHARP®

## Simply Better Living

MICROWAVE DRAWER™

# SMD2470AS

1.2  
CU.FT.

950  
WATTS

Easy Touch automatic drawer system smoothly opens and enables hands-free close

Convenient kitchen placement allows for easier cooking, saves prep and clean up time

Concealed control panel opens to an easy-to-read and operate 45° angle

Cooking space large enough for a 4 qt casserole dish or a 20 oz beverage

Cooking performance from one of the most trusted brands in microwaves



## DESIGNED FOR YOUR DREAM KITCHEN

It's your kitchen, your design and your lifestyle. Sharp's Microwave Drawer™ Oven allows you to focus on the design elements you prefer by removing the microwave from sight-lines and enabling more design versatility than typical built-in, over-the-range or countertop microwaves. The Microwave Drawer™ offers flexible placement options below an island, peninsula, or standard cabinetry, and can also be installed adjacent to your wall oven. The Microwave Drawer™ allows you to showcase your design savvy and create a kitchen that flows with your lifestyle.

The Sharp Microwave Drawer™ Oven boasts an easy-to-read display that disappears until you need it. The concealed control panel opens at a 45-degree angle, so it's easy to read and operate. Sharp's exclusive Easy Touch Automatic Drawer system eases open with the touch of a button. Give the drawer a small nudge and it smoothly shuts for you. The even, gliding action and solid construction helps prevent liquids from spilling during opening and closing.



1.2 cu. capacity large enough for a 4-qt casserole dish and tall enough for a large, 20 oz. beverage cup. (Installed in a kitchen island)



Cooking and cleaning is made easier by putting the microwave at an accessible height. (Installed under a counter)



Designed to complement the widest range of kitchen styles and appliances, including our SuperSteam+. (Paired with a built-in wall oven)

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# SHARP | Simply Better Living

MICROWAVE DRAWER™

## SMD2470AS

1.2  
CU.FT.

950  
WATTS

### SPECIFICATIONS

#### FEATURES

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Finish                               | Stainless Steel                   |
| Drawer Opening                       | Easy Touch Automatic              |
| Capacity*                            | 1.2 cu. ft. (holds 9" x 13" dish) |
| Output Power                         | 950 watts                         |
| Sensor Cook, Reheat and Popcorn      | Yes, 12 settings                  |
| Reheat Auto Settings                 | 2 settings                        |
| Defrost Auto Settings                | 6 settings                        |
| Microwave Keep Warm Setting          | Yes, up to 30 minutes             |
| Clock                                | Yes                               |
| Minute Plus™                         | Yes                               |
| Interior Oven Light                  | Yes                               |
| Kitchen Timer                        | Yes                               |
| Control Lock                         | Yes                               |
| Demonstration Mode                   | Yes                               |
| Built-In Ready for Easy Installation | Yes                               |

#### CONTROL PANEL

|                        |                               |
|------------------------|-------------------------------|
| Control Panel Location | Center/Top                    |
| Control Panel Type     | Touchpad, Drop-Down 45° Angle |
| Display Type           | LCD                           |
| Display Color          | White on Black Background     |

#### OPTIONAL ACCESSORY

|                                |                                        |
|--------------------------------|----------------------------------------|
| 24" Flush Mount Deflector Vent | SKMD24F0AS                             |
| Flush Mount Deflector Vent Kit | (1) PREF-B019MRP0<br>(2) LX-CZB055MRE0 |

#### ADDITIONAL SPECIFICATIONS

|                    |                                   |
|--------------------|-----------------------------------|
| Power Connection:  | 3-Prong Grounding Plug (included) |
| Power Ratings:     | 120V, 60Hz / 1.67kW, 14.5 Amps    |
| Safety Compliance: | FCC, DHHS, UL listed              |

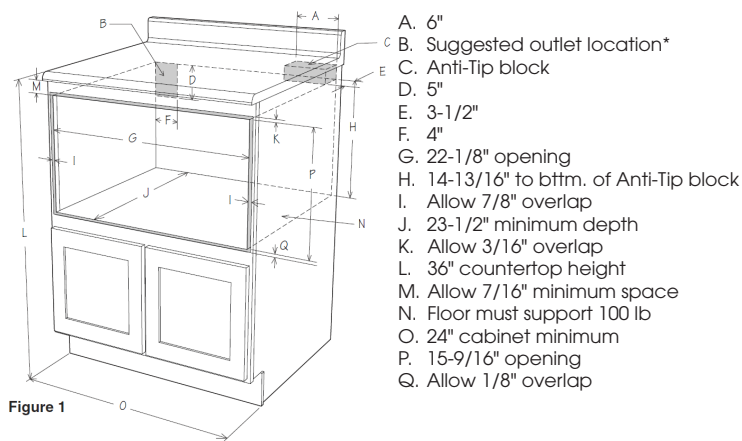
#### DIMENSIONS & WEIGHT (in./lbs.) (w x h x d)

|                         |                              |
|-------------------------|------------------------------|
| Cutout Dimensions:      | 22 1/8" x 15 9/16" x 23 1/2" |
| Dimensions:             | 23 7/8" x 15 7/8" x 23 1/4"  |
| Shipping Weight (lbs.): | 86                           |
| Product Weight (lbs.):  | 74                           |

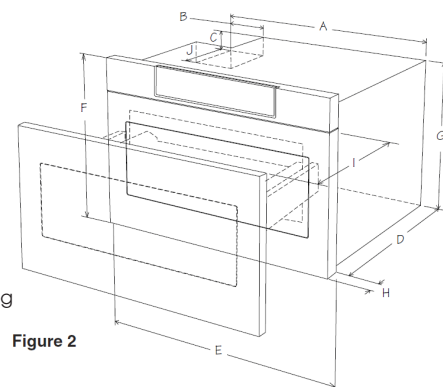
#### WARRANTY/UPC

|                |                           |
|----------------|---------------------------|
| Parts          | 1 year                    |
| Labor          | 1 year                    |
| Magnetron Tube | 5 years total (part only) |
| UPC            | 074000619371              |

#### CLICK TO DOWNLOAD INSTALLATION GUIDE



- A. 21-5/8"
- B. 4-11/16"
- C. 1-3/4"
- D. 21-7/8"
- E. 23-7/8"
- F. 15-7/8"
- G. 14-19/32"
- H. 1-9/64" door thickness
- I. 15" auto drawer opening
- J. 4"



Internal capacity calculated by measuring maximum width, depth and height. Actual capacity for holding food is less.

Product specifications and design are subject to change without notice.

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QUESTIONS?

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**Specification Sheet for Product:**

**Avallon ABR242PRGLH**

**Panel Ready Glass 24 Inch Wide 140 Can Energy Efficient  
Beverage Center with LED Lighting, Double Pane Glass, Touch  
Control Panel and Left Swing Door**

Specification Sheet

Model: ABR242SG

**BEVERAGE REFRIGERATOR**



24-Inch Single Zone Undercounter Beverage Refrigerator, Stainless Steel Door

**Features**

- 140-can capacity built-in low temp beverage refrigerator
- White, blue and amber interior LED lighting options
- Seamless, stainless steel trimmed glass door
- UV resistant glass door with low-e, double-panes and argon gas between the two panes
- Touch panel with digital controls
- Clear tempered glass shelves
- Added security with a door lock
- Sabbath mode

**Warranty**

- One (1) year parts and labor
- Five (5) years compressor (part only)



**Model Details**

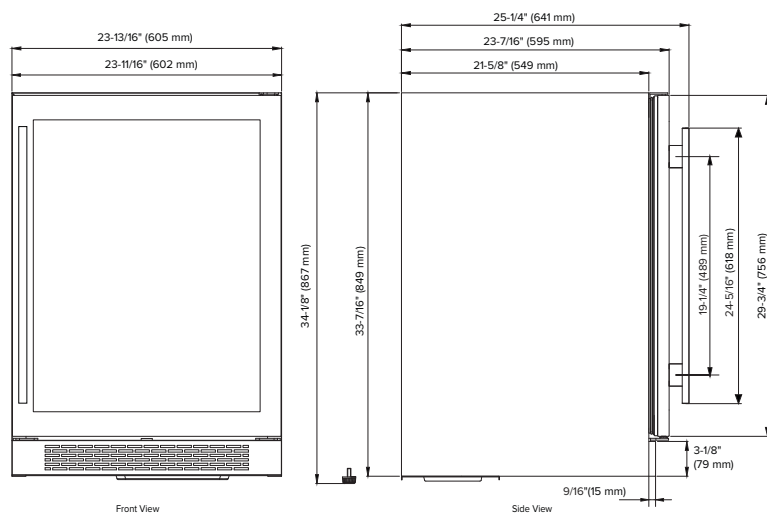
| Model      | Voltage | Door Swing  | Finish          |
|------------|---------|-------------|-----------------|
| ABR242SGLH | 115V    | Left Hinge  | Stainless Steel |
| ABR242SGRH | 115V    | Right Hinge | Stainless Steel |

**Accessories**

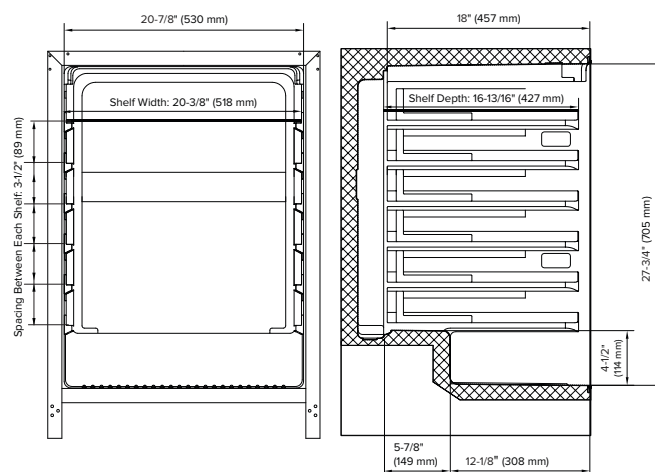
| Model      | Description               | Finish |
|------------|---------------------------|--------|
| PCWRFILTER | Replacement Carbon Filter | Gray   |



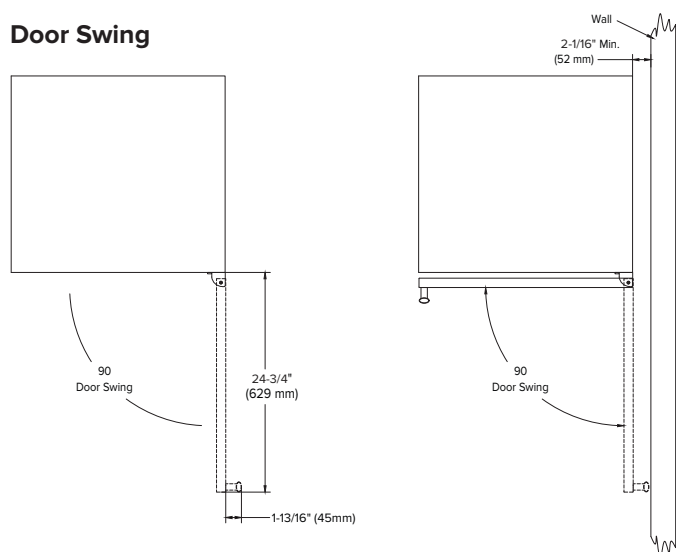
## Exterior Dimensions



## Interior Dimensions



## Door Swing

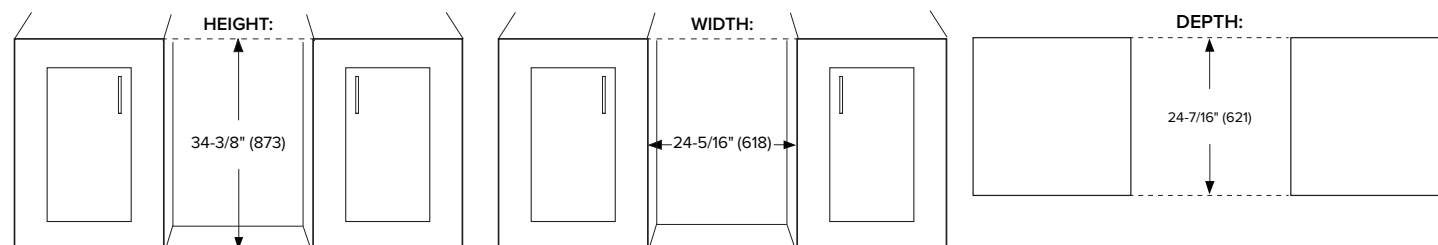


## Specifications

|                           |                |
|---------------------------|----------------|
| Model#                    | ABR242SG       |
| Can Capacity (12 oz.)     | 140            |
| Capacity (Volume)         | 5.65 cu ft     |
| Product Depth             | 23-7/16"       |
| Product Depth with Handle | 25-1/4"        |
| Product Height            | 34-1/8"        |
| Product Width             | 23-13/16"      |
| Product Weight            | 112 lbs.       |
| Refrigerant Type          | R600a          |
| Temperature Range         | 34°F - 65°F    |
| Power Cord Length         | 6'             |
| Amps                      | 1.5            |
| Electric Supply           | 115 VAC, 60 Hz |



## Cutout dimensions



Note: Dimensions in parentheses are in millimeters. Specifications are subject to change without notice. Visit [Avallon.com](http://Avallon.com) for the latest information.

Specification Sheet

Model: ABR242PRG

BEVERAGE REFRIGERATOR



24-Inch Single Zone Undercounter Beverage Refrigerator, Panel-Ready Door

Features

- 149-can capacity built-in low temp beverage refrigerator
- White, blue and amber interior LED lighting options
- UV-resistant glass door with low-e, double-panes and argon gas between the two panes
- Touch panel with digital controls
- Clear tempered glass shelves
- Added security with a door lock
- Sabbath mode

Please note: Panel-ready appliances are designed to utilize custom panels to match your cabinetry. The panel-ready finish option does not include the pictured wood paneling.

Warranty

- One (1) year parts and labor
- Five (5) years compressor (part only)



Model Details

| Model       | Voltage | Door Swing  | Finish           |
|-------------|---------|-------------|------------------|
| ABR242PRGLH | 115V    | Left Hinge  | Panel-Ready Door |
| ABR242PRGRH | 115V    | Right Hinge | Panel-Ready Door |

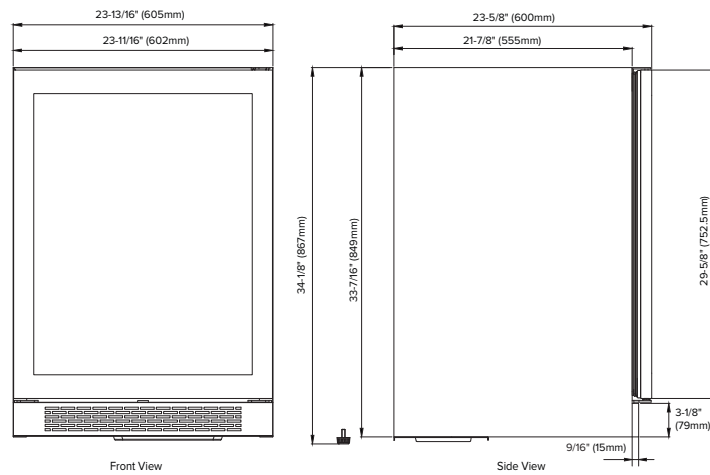
Accessories

| Model      | Description                                                                | Finish          |
|------------|----------------------------------------------------------------------------|-----------------|
| PCWRFILTER | Replacement Carbon Filter                                                  | Gray            |
| HDLPRO     | PRO Style Handle for Undercounter Models                                   | Stainless Steel |
| ADKP48SS   | Dual Kickplate (intended for side-by-side installations of two 24" models) | Stainless Steel |

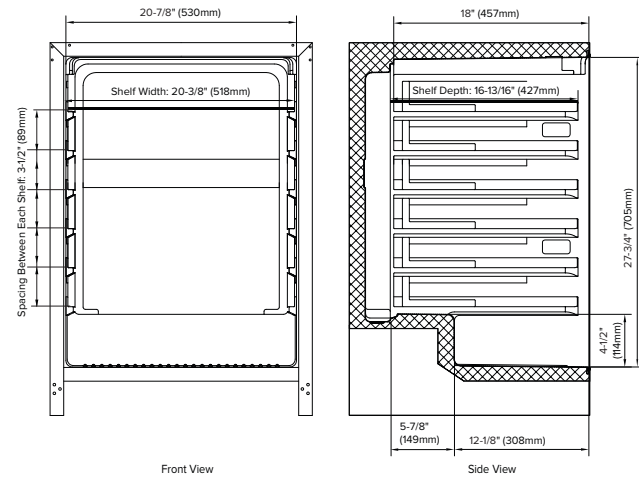




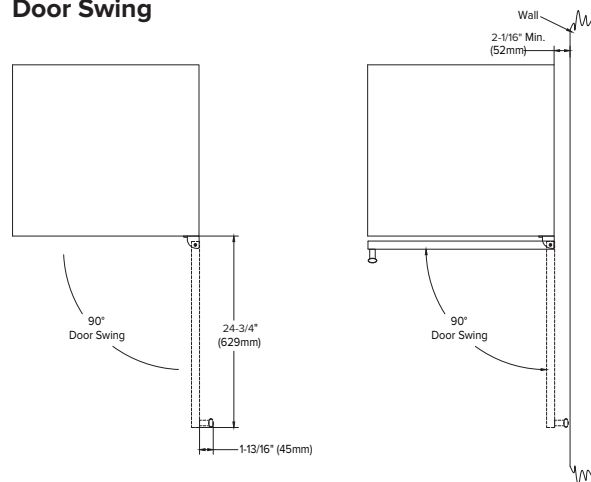
## Exterior Dimensions



## Interior Dimensions



## Door Swing

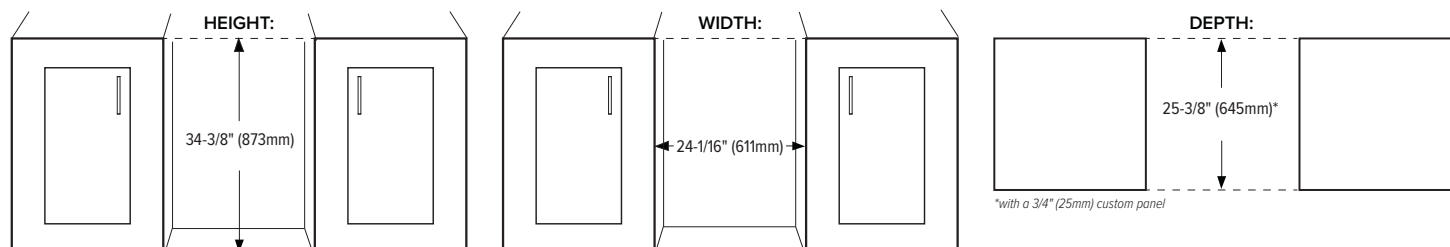


## Specifications

|                           |                |
|---------------------------|----------------|
| Model#                    | ABR242PRG      |
| Can Capacity (12 oz.)     | 149            |
| Capacity (Volume)         | 5.65 cu ft     |
| Product Depth             | 23-5/8"        |
| Product Depth with Handle | 25-7/16"       |
| Product Height            | 34-1/8"        |
| Product Width             | 23-13/16"      |
| Product Weight            | 110 lbs        |
| Refrigerant Type          | R600a          |
| Temperature Range         | 34°F - 65°F    |
| Power Cord Length         | 6'             |
| Amps                      | 1.5            |
| Electric Supply           | 115 VAC, 60 Hz |



## Cutout dimensions



Note: Dimensions in parentheses are in millimeters. Specifications are subject to change without notice. Visit [Avallon.com](http://Avallon.com) for the latest information.

## Specification Sheet

Model: ABR242PRS

# BEVERAGE REFRIGERATOR



### 24-Inch Single Zone Undercounter Beverage Refrigerator, Solid Panel-Ready Door

#### Features

- 149-can capacity built-in low temp beverage refrigerator
- White, blue and amber interior LED lighting options
- Touch panel with digital controls
- Clear tempered glass shelves
- Added security with a door lock
- Sabbath mode

*Please note: Panel-ready appliances are designed to utilize custom panels to match your cabinetry. The panel-ready finish option does not include the pictured wood paneling.*

#### Warranty

- One (1) year parts and labor
- Five (5) years compressor (part only)



#### Model Details

| Model       | Voltage | Door Swing  | Finish                 |
|-------------|---------|-------------|------------------------|
| ABR242PRSLH | 115V    | Left Hinge  | Solid Panel-Ready Door |
| ABR242PRSRH | 115V    | Right Hinge | Solid Panel-Ready Door |

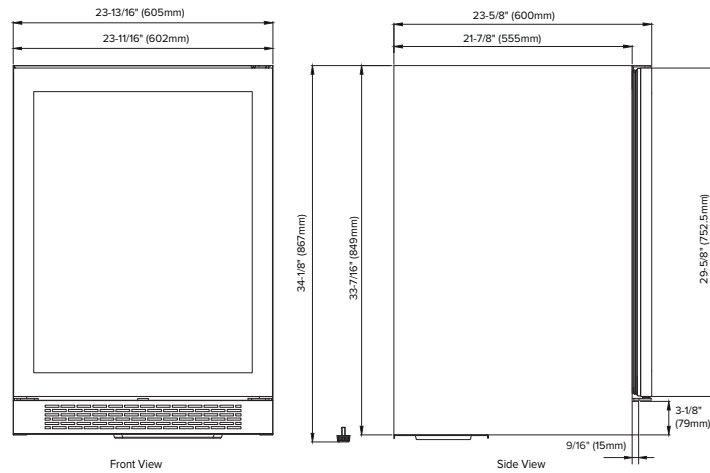
#### Accessories

| Model      | Description                                                                | Finish          |
|------------|----------------------------------------------------------------------------|-----------------|
| PCWRFILTER | Replacement Carbon Filter                                                  | Gray            |
| HDLPRO     | PRO Style Handle for Undercounter Models                                   | Stainless Steel |
| ADKP48SS   | Dual Kickplate (intended for side-by-side installations of two 24" models) | Stainless Steel |

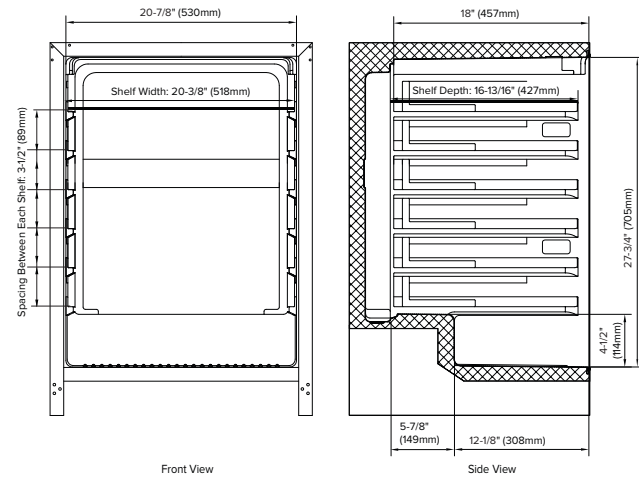




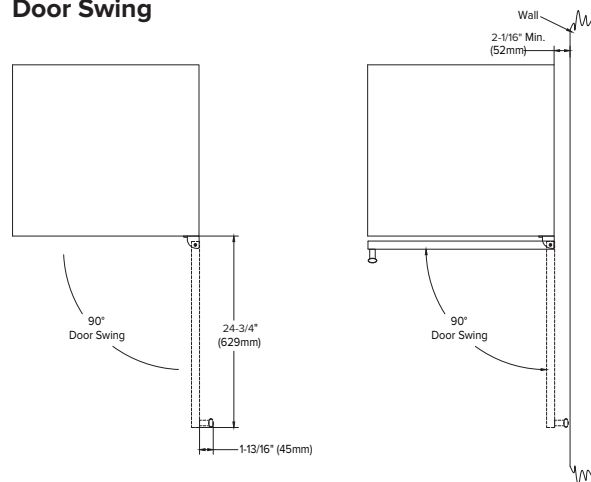
## Exterior Dimensions



## Interior Dimensions



## Door Swing

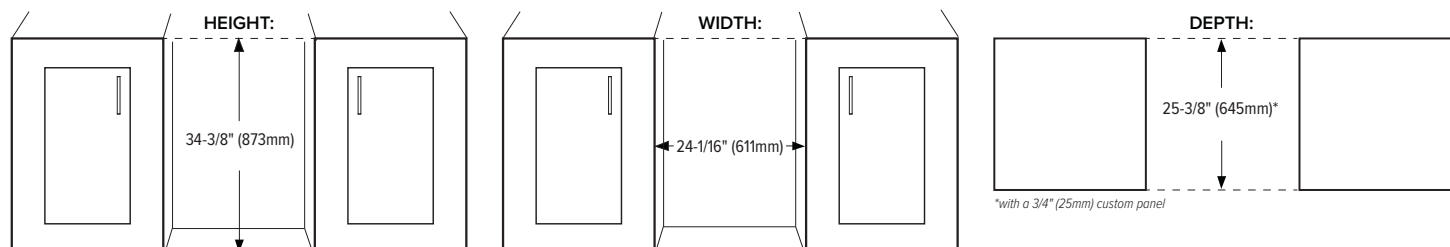


## Specifications

|                           |                |
|---------------------------|----------------|
| Model#                    | ABR242PRS      |
| Can Capacity (12 oz.)     | 149            |
| Capacity (Volume)         | 5.65 cu ft     |
| Product Depth             | 23-5/8"        |
| Product Depth with Handle | 25-7/16"       |
| Product Height            | 34-1/8"        |
| Product Width             | 23-13/16"      |
| Product Weight            | 98 lbs         |
| Refrigerant Type          | R600a          |
| Temperature Range         | 34°F - 65°F    |
| Power Cord Length         | 6'             |
| Amps                      | 1.5            |
| Electric Supply           | 115 VAC, 60 Hz |



## Cutout dimensions



Note: Dimensions in parentheses are in millimeters. Specifications are subject to change without notice. Visit [Avallon.com](http://Avallon.com) for the latest information.