GOEMANS
APPLIANCES
Expect More. Get More.

APPLIANCE SPECIFICATIONS

PROJECT PARTNER:
Bill To: 9055981492

SHIP TO:
Ship To: 9055981492

MALIKZADA, MASIH & HOSAI
596 SIMCOE RD. LOT 187
BRADFORD, ON L3Z 2A6

REMINDER:

To ensure a smooth project it is the responsibility of the homeowner / purchaser of appliances to share all the attached specifications with their cabinet provider, contractor, or any other tradesperson so they have the information required to complete their work accurately. Product specifications are for planning purposes only and are subject to change without notice. Refer to installation instructions shipped with the product before cutting cabinets, counters, panels, etc.

Goemans Appliances assumes no liability for product specifications.

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596 SIMCOE RD. LOT 187
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GOEMANS
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JUDITH ORETA
9052641771

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Note about page numbers:

Because the original manufacturer's documents are not altered in any way, the page numbers displayed on the page may not correspond to the page number within this package.

All specifications are intended for initial planning purposes only.

Manufacturers reserve the right to change specifications at any time without notice. Always consult the installation instructions found on the manufacturer's website or included with the appliances before installation.

36" Gas Cooktop

Benchmark® Series – Stainless Steel NGMP656UC

BOSCH
Invented for life

NGMP656UC
Stainless Steel

The 36" Benchmark® Series gas cooktop features a dual-stacked burner that delivers both a low simmer and high heat flame.

Features & Benefits

Dual stacked burner designed for faster boil time (20,000 BTUs) and a low simmer

OptiSim® Burner – simmer delicate sauces and melt chocolate without scorching

Electronic re-ignition will automatically re-ignite the burner in case the flame goes out

Continuous grates make moving heavy pots easier

Distinctive red LED light indicates burners are on

General Properties

Knob material	Metal
Sealed burners	Yes
Grate material	Cast iron

Element Performance

Total BTU load (NG / LP)	59,500 / 47,300
Power of front left burner (NG / LP)	12,000 / 9,100
Power of back left burner (NG / LP)	10,000 / 9,100
Power of center burner (NG / LP)	20,000 / 15,000
Power of back right burner (NG / LP)	5,500 / 5,000
Power of front right burner (NG / LP)	12,000 / 9,100

Technical Details

Watts	360 W
Circuit breaker	15 A
Volts	120 V
Frequency	60 Hz
Plug type	3 prong
Power cord length	60"
Energy source	Gas
Convertible to LP (kit required)	Yes

Dimensions & Weight

Overall appliance dimensions (HxWxD)	3 13/16" x 37" x 21 1/4"
Required cutout size (HxWxD)	3 13/16" x 34 15/16" x 19 1/8"
Minimum distance from counter front	1 7/8"
Minimum distance from rear wall	3"
Net weight	39 lbs

Accessories — Included

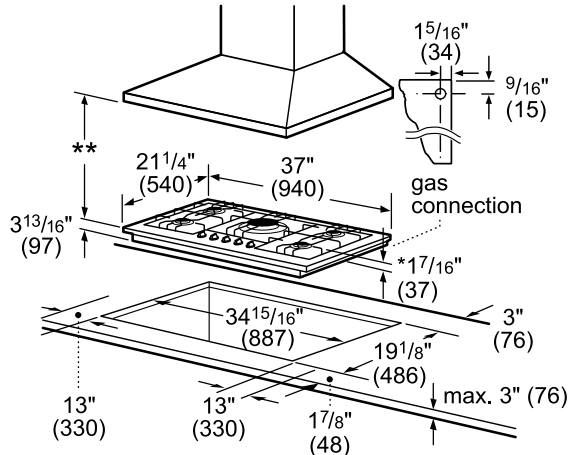| Included	LP conversion kit

Accessories — Optional

HEZ298102
Wok ring

HEZGR301
Griddle

36" Gas Cooktop

Benchmark® Series – Stainless Steel NGMP656UC

BOSCH
Invented for life

Installation Details

Installation above Wall Ovens

30" Built-in oven - under gas cooktop

$1^5/_{16}$" (34)
$^9/_{16}$" (15)

$21^1/_4$" (540)   37" (940)

gas connection

$3^{13}/_{16}$" (97)

*$1^7/_{16}$" (37)

$34^{15}/_{16}$" (887)

$19^1/_8$" (486)

3" (76)

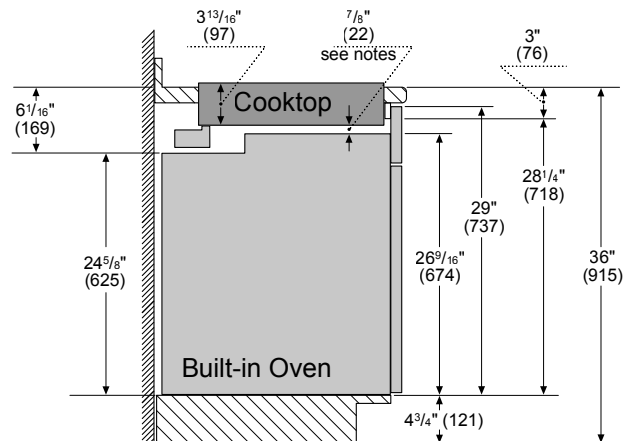13" (330)   13" (330) $1^7/_8$" (48)

max. 3" (76)

* Dimension from countertop to top of grates in front of $1^7/_{16}$" (37).

** When installed in combination with a hood, refer to hood manufacturers requirements for installation.

Measurement in inches (mm)

$3^{13}/_{16}$" (97)

$^7/_8$" (22) see notes

3" (76)

$6^1/_{16}$" (169)

Cooktop

$28^1/_4$" (718)

29" (737)

$24^5/_8$" (625)

$26^9/_{16}$" (674)
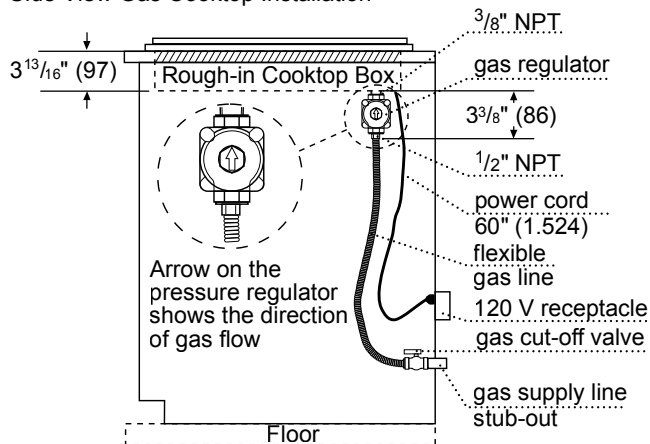
36" (915)

Built-in Oven

$4^3/_4$" (121)

Notes:

Dimensions based on standard countertop height (36" with $4^3/_4$" toe kick including base plate).

The built-in oven can be installed below the gas cooktop as long as there is no contact between the bottom of the cooktop and the top of the oven.

Measurements in inches (mm)

Side View Gas Cooktop Installation

$3^{13}/_{16}$" (97)

Rough-in Cooktop Box

$^3/_8$" NPT

gas regulator

$3^3/_8$" (86)

$^1/_2$" NPT

power cord 60" (1.524)

flexible gas line

120 V receptacle

gas cut-off valve

Arrow on the pressure regulator shows the direction of gas flow

gas supply line stub-out

Floor

Measurements in inches (mm)

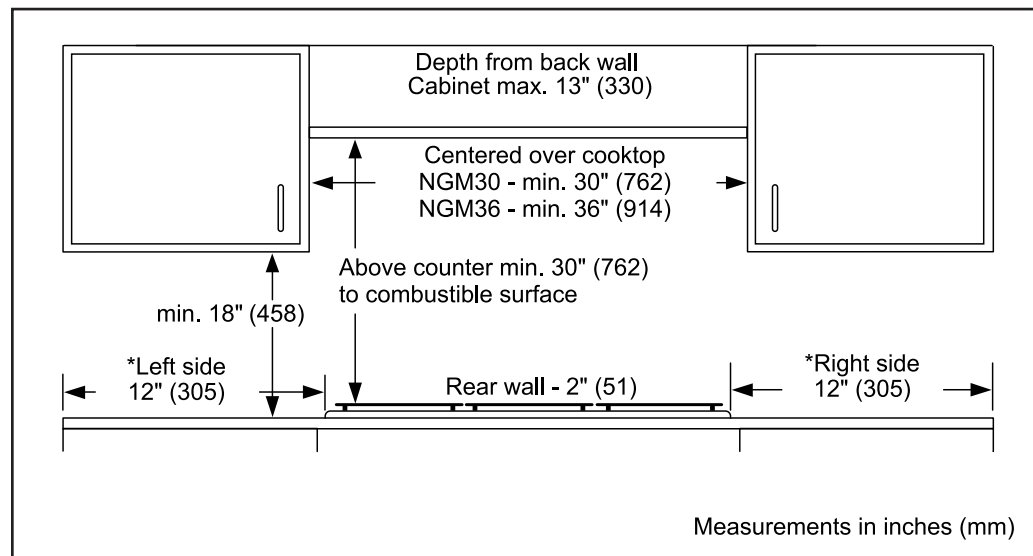# 36" Gas Cooktop

Benchmark® Series – Stainless Steel NGMP656UC

BOSCH
Invented for life

Installation Details

Depth from back wall
Cabinet max. 13" (330)

Centered over cooktop
NGM30 - min. 30" (762)
NGM36 - min. 36" (914)

Above counter min. 30" (762)
to combustible surface

min. 18" (458)

*Left side
12" (305)

Rear wall - 2" (51)

*Right side
12" (305)

Measurements in inches (mm)

30" Speed Combination Oven

800 Series – Stainless Steel HBL8753UC

BOSCH
Invented for life

HBL8753UC
Stainless Steel

Also available in:

Black   HBL8743UC
Stainless Steel

Bosch speed combination ovens create an all-in-one cooking center with an upper speed oven and a Genuine European Convection oven below.

Features & Benefits

2-in-1 microwave and convection oven with 9 SpeedChef® programs to simplify cooking with fast results.

Lower oven's convection multi-rack mode gives uniform baking results even when using all 3 racks simultaneously.

Oven is equipped with a self-cleaning cycle that easily cleans itself via 2, 3, and 4 hour cycle options.

Download the Home Connect app to remotely monitor and control your Bosch wall oven with your smart phone or tablet.

General Properties

Home Connect™ – lower cavity (WiFi enabled)	Yes
Cooking modes – upper cavity	Speed oven; 12 Auto Programs (including Auto Defrost, Melt Butter, Soften Ice Cream, Pizza), 9 Sensor Cook Programs, 9 SpeedChef® Programs, Hi & Lo Broil, European Convection, Keep Warm, Frozen Foods
Cooking modes – lower cavity	Bake, Variable Broil (hi & low), Roast, Warm, Sabbath, Proof Dough, Convection Bake, Convection Broil, Convection Roast, Pizza, Multi Rack Genuine European Convection, Convection Conversion, Temperature Probe, Fast Preheat
Cleaning type – lower	Self Clean
Telescopic rack	1
Illumination type	LED (Upper) / Incandescent (Lower)
Interior lights	1 Upper / 2 Lower

Oven Performance

Microwave power – upper cavity	1000 W
Bake / broil element wattages – upper cavity	600 / 1,750 W
Convection element wattages – upper cavity	1,700 W
Bake / broil element wattages – lower cavity	2,400 / 3,800 W
Convection element wattages – lower cavity	2,000 W

Technical Details

Watts (W)	9,600 W
Circuit breaker (A)	40 A
Volts (V); Frequency (Hz)	240 / 208 V; 60 Hz
Power cord length (in)	50"
Plug type	Fixed Connection, No Plug
Energy source	Electric

Dimensions & Weight

Overall appliance dimensions (HxWxD)(in)	49" x 29 3/4" x 24 1/2"
Required cutout size – Standard (HxWxD) (in)	48 5/8" x 28 1/2" x 23 1/2"
Required cutout size – Flush (HxWxD) (in)	49 1/8" x 30" x 24 1/2"
Speed oven cavity size – upper	1.6 cu. ft.
Overall upper speed oven interior dimensions (HxWxD) (in.)	9 7/8" x 16 1/2" x 16 1/2"
Metal turntable diameter (in)	14 1/8" dia.
Ceramic tray diameter (in)	13 3/4" dia.
Rack – rectangular cookware max. – upper	15" x 12"
Oven cavity size – lower	4.6 cu. ft.
Overall lower oven interior dimensions (HxWxD) (in)	17 13/16" x 24 1/8" x 18"
Usable lower oven interior dimensions (HxWxD) (in)	12 1/4" x 23 1/4" x 15 1/4"
Net weight (lbs)	259 lbs

Accessories — Included

Upper Oven: Metal Turntable, Square rack, Ceramic Cooking Tray
Lower Oven: 1 Telescopic and 2 Standard Oven Racks, Meat Probe

Accessories — Optional

HEZTR301
30" Telescopic Rack

CSA   K*   Home connect*

*Lower wall oven only

30" Speed Combination Oven

800 Series – Stainless Steel HBL8753UC

Installation Details

29³/4" (755)
28³/8" (720)
* 50" (1270)
49" (1244)
48⁷/16" (1230)
26⁵/8" (676)
23¹/2" (597)
24¹/2" (622)
22³/8" (568)

* Power cable 50" (1270 mm) from the lower oven.

28¹/2" (724)
*
48⁵/8" (1234)
23¹/2" (597)
*
min. 4³/4"- max. 18" (121–458)

* Junction box may be installed above, below, or to the left or right of the unit within reach of the power cable

measurements in inches (mm)

Flush installation Top view

24¹/2" (622) Flush inset depth
³/4" (19) reveal Cleats
³/4" (19) reveal Cleats
1" (25)
28¹/2" (724)
30" (762)

Side view
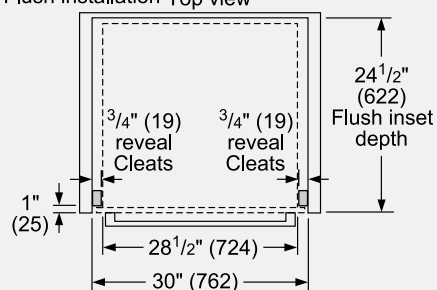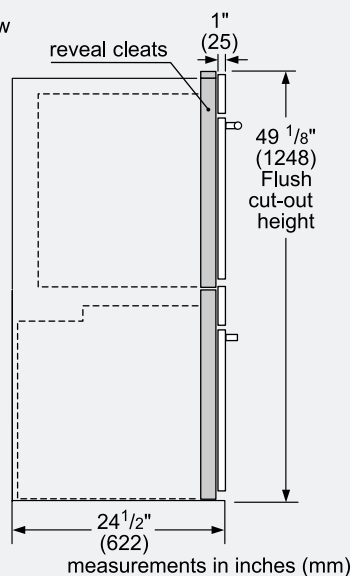
1" (25)
reveal cleats
49 ¹/8" (1248) Flush cut-out height
24¹/2" (622)
measurements in inches (mm)

Example Flush Install

Single wall oven shown.

30" Speed Combination Oven

800 Series – Stainless Steel HBL8753UC

Installation Details

Standard Installation
Combination oven over storage or warming drawer

28$^1/_2$"
(724)

48$^5/_8$"
(1234)

23$^1/_2$"
(597)

9$^1/_4$" (235)

minimum $^3/_4$" (18)
required between
cut-outs

min. 4$^3/_4$"-
max. 18"
(121-456)
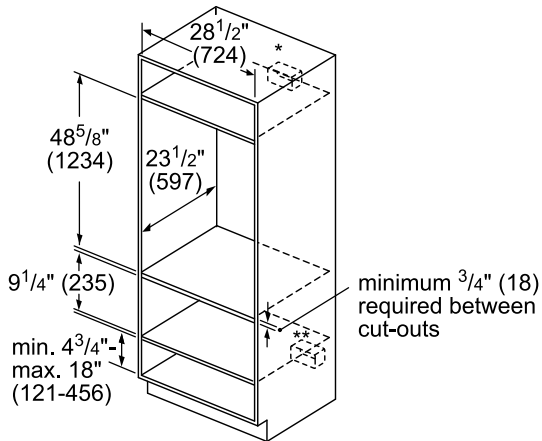
* Wall oven junction box may be located above or to the
right or left of the unit within reach of the power cable.

** Electrical hook-up may be located below
(depending on space) or next to the drawer
within reach of the power cable.

measurements in inches (mm)

Flush installation
Combination oven over storage or warming drawer

Side view

Cleats

1"
(25)

49$^1/_8$"
(1248)
flush
cut out
height

Combination
wall oven

* IMPORTANT: Base has to be
able to support the weight of
the oven. Please check oven
manual for minimum weight
requirements.

Cleats

9$^9/_{16}$"
(243)
flush
cut-out
height

minimum $^1/_2$" (13) required
between cut-outs*

Warming Drawer

24$^1/_2$"
(622)

measurements in inches (mm)

FRIGIDAIRE
PROFESSIONAL®

FPBC2278UF

FRENCH DOOR COUNTER-DEPTH REFRIGERATOR
21.6 CU. FT.

Smudge-Proof™
STAINLESS STEEL

AVAILABLE COLORS

F
Stainless

PRODUCT DIMENSIONS

Height (Cabinet Including Hinge)	69-7/8″
Width	36″
Depth (Including Door)	27-1/8″

MORE EASY-TO-USE FEATURES

Smudge-Proof™ Stainless Steel
Resists fingerprints and cleans easily.

Full-Width Deli Drawer
Easily store anything from meats and cheeses to sheet cakes and large platters in our fully-extendable, large capacity deli drawer.

Multi-level LED Lighting
Find fresh foods quickly with bright multi-level LED Lighting.

EvenTemp™ Cooling System
Our EvenTemp™ cooling system keeps food cool without breaking a sweat, distributing air effectively so groceries stay at the right temperature.

SpaceWise® Freezer Organization System
Our SpaceWise® Freezer Organization System keeps frozen foods organized and accessible with deep freezer storage and an adjustable divider.

PureSource Ultra® II Ice & Water Filtration
Easily regulate both fresh food and freezer sections with LCD temperature controls on the ice and water dispenser that offer temperature adjustments with the touch of a button.

Dual Ice
Be ready for any occasion with two ice makers.

PureAir Ultra® II Air Filter
Fresh air offers great taste. Our PureAir Ultra® II air filters effortlessly keep the food in your refrigerator tasting fresh by removing odor particles with fast-acting, highly absorbent carbon technology.

SIGNATURE FEATURES

SpaceWise® Organization System
Our SpaceWise® Organization System makes it easy to keep food organized and accessible, with a flip-up shelf to fit taller items with ease, plus adjustable door bins and shelves that offer storage capacity and flexibility.

CrispSeal™ Crispers
Humidity-controlled CrispSeal™ crispers keep produce fresher longer, so you can waste less and save money.

Professional-Grade Design
Durable hardware and professional-grade design features including smoky door bins, door bin liners, edge-to-edge glass shelving with metallic trim, and a distinctive handle lend a high-quality look to your kitchen.
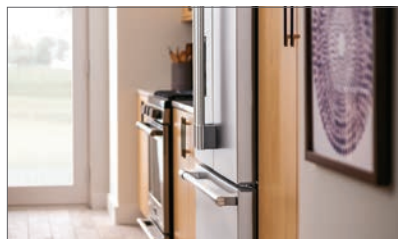
Get a built-in look with counter-depth design
Our counter-depth refrigerator gives you the built in look without the remodel, and gives you over 4 inches of kitchen floor space back compared to standard French Door refrigerators.

FPBC2278UF
FRENCH DOOR COUNTER-DEPTH REFRIGERATOR
21.6 CU. FT.

FRIGIDAIRE
PROFESSIONAL.

FEATURES

Door Design	Square Doors
Door Handle Design	Stainless Steel
Cabinet Finish	Gray
Door Stops / Door Closers	No / Yes
Door Hinge Covers	Hidden
Rollers – Front / Rear	Adjustable / Yes
Energy Saver Plus Technology	
Water Filter Location	Top-Right Fresh Food Section
Sound Package	Quiet Design

DISPENSER

Controls	LED Controls
Dispenser Design	Flush, Single-Paddle
User Interface Buttons	4 Dispenser / 11 Side Control
Crushed Ice / Cube Ice / Water	Yes / Yes / Yes
Ice Option / Freeze Option	No / PowerPlus® Freeze
Display On / Off Option	
Lock / Light	No / Yes
Temp / Door Ajar / Power Failure Alerts	Yes / Yes / Yes
Water Filter Change Indicator Light	Yes
Air Filter Change Indicator Light	Yes

REFRIGERATOR FEATURES

Lighting	Multi-Level LED
Water Filter Type	PureSource Ultra® II
Air Filter Type	PureAir Ultra® II
Flip-Up Shelves	1
Half-Width Fixed Shelves	3
Quarter-Width Sliding Shelves	
Cantilever Shelves	Yes
Full-Width Deli Drawer	1
Wine Rack / Can Dispenser	Yes / Yes
CrispSeal™ Crispers with Humidity Control	2
Dairy Compartment	1 Smoky (Right Door)
Gallon Fixed Door Bins	2 Smoky (1 per Door)
2-Liter Fixed Door Bins	1 Smoky
Gallon Adjustable Door Bins	2 Smoky
2-Liter Adjustable Door Bins	
Dispenser Bin	
Non-Slip Bin Liner / Bottle Retainers	5 Gray / No

FREEZER FEATURES

Effortless® Glide Freezer Drawer	Yes
Sliding Full-Width Freezer Baskets	1
Basket Dividers	2 (Upper and Lower Basket)
Lighting	LED
Automatic Ice Maker (2nd Ice Maker)	Yes

CERTIFICATIONS

Sabbath Mode (Star-K® Certified)	Yes

SPECIFICATIONS

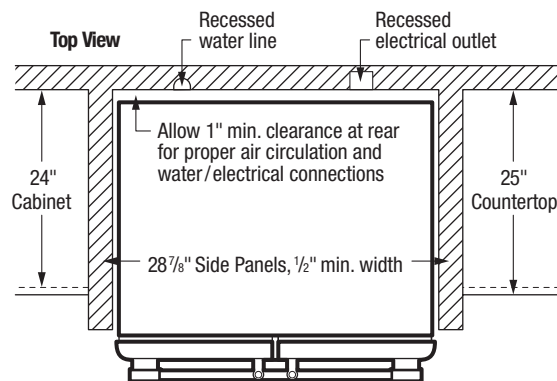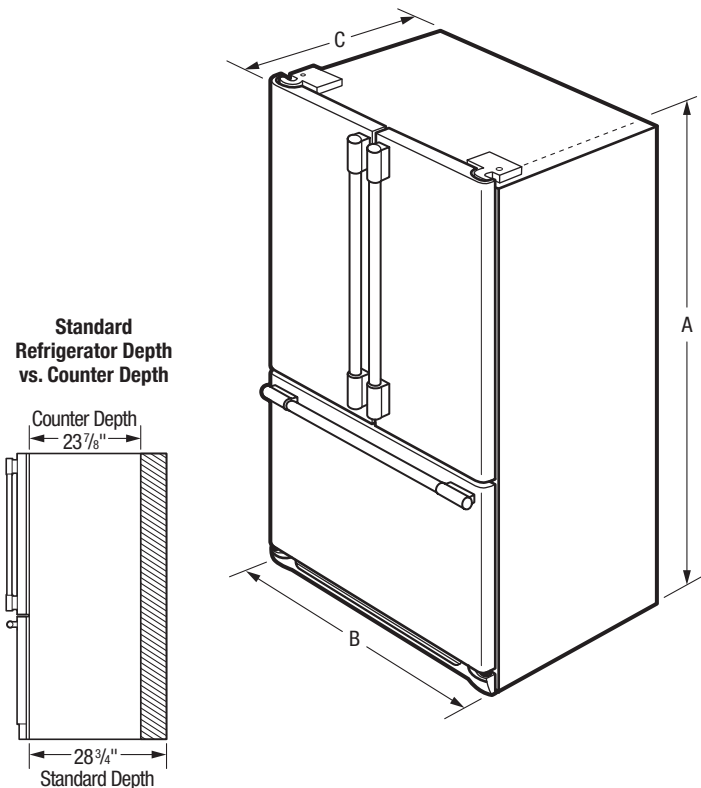|	
Total Capacity (Cu. Ft.)	21.6
Refrigerator Capacity (Cu. Ft.)	14.8
Freezer Capacity (Cu. Ft.)	6.8
Power Supply Connection Location	Right Bottom Rear
Water Inlet Connection Location	Left Bottom Rear
Voltage Rating	120V / 60Hz / 15A
Connected Load (kW rating) @ 120 Volts[1]	1.02
Amps @ 120 Volts	8.5
Minimum Circuit Required (Amps)	15
Shipping Weight (Approx.)	347 Lbs.

[1]For use on adequately wired 120V, dedicated circuit having 2-wire service
with a separate ground wire. Appliance must be grounded for safe operation.

PRODUCT DIMENSIONS

A - Height (Incl. Hinges & Rollers)	69-7/8″
B - Cabinet Width / Door Width	35-7/8″ / 36″
C - Depth (Incl. Door)	27-1/8″
Depth with Door Open 90°	42-1/2″
Depth with Drawer Fully Extended (Incl. Handle)	44-7/8″

"BUILT-IN LOOK" CUTOUT DIMENSIONS

Height (Incl. Hinges & Rollers)	70-1/4″
Width	36″
Depth	25″

Standard Refrigerator Depth vs. Counter Depth

Counter Depth
23⅞″

28¾″
Standard Depth

Top View

Recessed water line
Recessed electrical outlet

Allow 1″ min. clearance at rear for proper air circulation and water / electrical connections
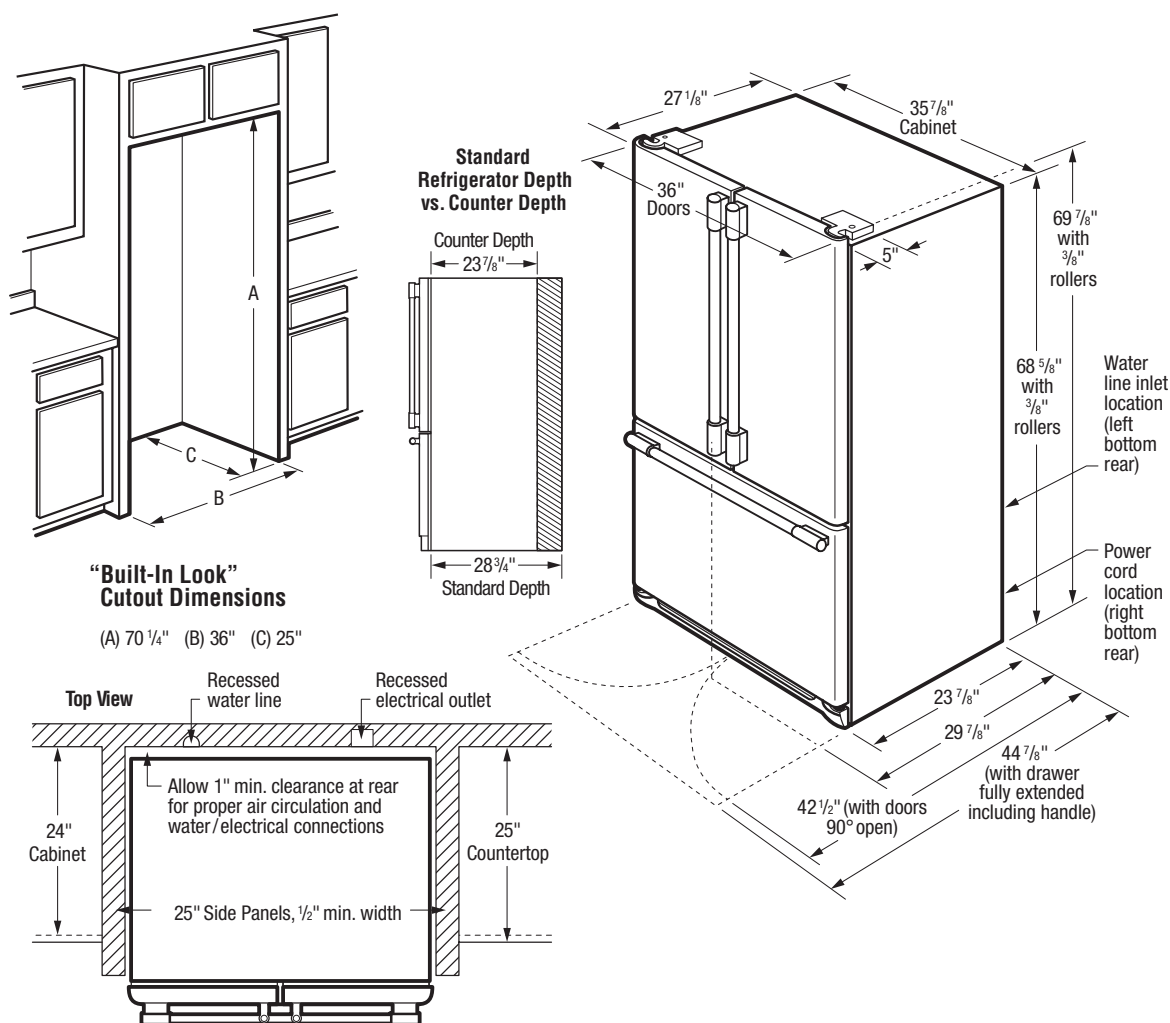
24″ Cabinet

25″ Countertop

28⅞″ Side Panels, ½″ min. width

FRIGIDAIRE
USA • 10200 David Taylor Drive • Charlotte, NC 28262 • 1-800-FRIGIDAIRE • frigidaire.com
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FPBC2278UF
FRENCH DOOR COUNTER-DEPTH REFRIGERATOR
21.6 CU. FT.

FRIGIDAIRE
PROFESSIONAL®

Standard Refrigerator Depth vs. Counter Depth

Counter Depth
23 7/8"

28 3/4"
Standard Depth

27 1/8"

35 7/8" Cabinet

36" Doors

5"

69 7/8" with 3/8" rollers

68 5/8" with 3/8" rollers

Water line inlet location (left bottom rear)

Power cord location (right bottom rear)

23 7/8"

29 7/8"

44 7/8" (with drawer fully extended including handle)

42 1/2" (with doors 90° open)

"Built-In Look" Cutout Dimensions

(A) 70 1/4" (B) 36" (C) 25"

Top View

Recessed water line

Recessed electrical outlet

Allow 1" min. clearance at rear for proper air circulation and water/electrical connections

24" Cabinet

25" Countertop

25" Side Panels, 1/2" min. width

INSTALLATION SPECIFICATIONS

- Product Shipping Weight (approx.) – 347 Lbs.
- An electrical supply with grounded three-prong receptacle is required. The power supply circuit must be installed in accordance with current edition of National Electrical Code (NFPA 70) and local codes & ordinances.
- Voltage Rating – 120V / 60 Hz / 15 Amps
- Connected Load (kW Rating) @ 120 Volts = 1.02 kW
- Amps @ 120 Volts = 8.5 Amps
- Always consult local and national electric & plumbing codes.
- Floor should be level surface of hard material, capable of supporting fully loaded refrigerator.
- Minimum 3/8" clearance required for sides and top of refrigerator or freezer with 1" clearance at rear to allow for ease of installation, proper air circulation, and plumbing / electrical connections.
- When installing refrigerator adjacent to wall, cabinet or other appliance that extends beyond front edge of unit, 20" minimum clearance recommended to allow for optimum 120° to 180° door swing, providing complete drawer / crisper access and removal. (*Absolute 4-1/2" minimum clearance will ONLY allow for 90° door swing which will provide drawer / crisper access with restricted removal.*)

- To ensure optimum performance, *(do not install in areas where temperature drops below 55° F or rises above 110° F)* and avoid installing in direct sunlight or close proximity to range, dishwasher or other heat source.
- For proper ventilation, front grille MUST remain unobstructed.
- Recess electrical outlet when possible.
- Water recess on rear wall recommended to prevent water line damage.
- Water Pressure – Cold water line must provide between 30 and 100 pounds per square inch (psi).
- Copper or stainless steel tubing with 1/4" O.D. recommended for water supply line with length equal to distance from rear of unit to household water supply line plus 7 additional feet. Optional Water Supply Installation Kits available.
- Adjustable front rollers to assist with door alignment.

"BUILT-IN LOOK" SPECIFICATIONS

- Minimum opening of 70-1/4" H x 36" W x 25" D required to allow for ease of installation, proper air circulation, and plumbing / electrical connections.
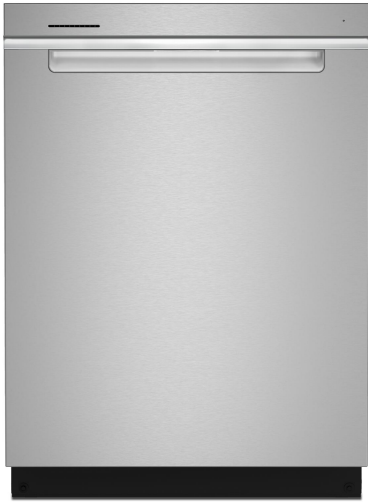- Remove all wall / floor molding prior to installation.

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USA • 10200 David Taylor Drive • Charlotte, NC 28262 • 1-800-FRIGIDAIRE • **frigidaire.com**
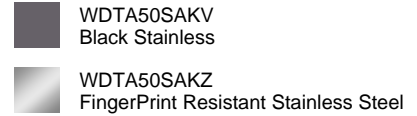**CANADA** • 5855 Terry Fox Way • Mississauga, ON L5V 3E4 • 1-800-265-8352 • **frigidaire.ca**

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Large Capacity Dishwasher with 3rd Rack

WDTA50SAKZ

Available Finishes/Colours

■	WDTA50SAKB Black
□	WDTA50SAKW White

■	WDTA50SAKV Black Stainless
	WDTA50SAKZ FingerPrint Resistant Stainless Steel

Dimensions

Height	34 7/16
Width	23 7/8

Configuration and Overview

Dishwasher Type	Built-In
Decibel Level dBA	47

Load more, run less in this dishwasher with 3rd rack. Load hard-to-fit utensils or measuring spoons in the 3rd rack to free up more space for dishes below. You can even fit taller items where you want thanks to the adjustable rack. Plus, you can move or separate the flexible 3-piece silverware basket to make extra space.

Top Features

3rd rack

Adjustable 2nd rack

3-piece silverware basket

Manuals & Literature:

📄 Dimension Guide   📄 Energy Guide

📄 Warranty Information

Controls

Automatic Temperature Controls	Yes
Control Location	Hidden
Control Type	Electronic Touch with Display
Sensor	Yes
Status Light	White
End of Cycle Signal	Yes

Details

Dispenser	Detergent and Rinse Aid

Details

|	
Rinse Aid Dispenser Level Indicator	Yes
True Hold Door	Yes
Rack Material	Nylon
Number of Wash Levels	5
Tub Material	Stainless Steel
Wash System Type	Removable Filter
Number of Washarms	3
Leak Detect	Yes
Drying System Type	Vent Dry with Heating Element
Interior Light	No
Number of Racks	3
Tub Style	Built-in Tall Tub 24"

Whirlpool®

24" Dishwasher
DETAILED PLANNING DIMENSIONS GUIDE
Applies to all model numbers starting with;
WDTA50SAK, WDT750SAKW0, WDTA80SAKZ0

PRODUCT DIMENSIONS
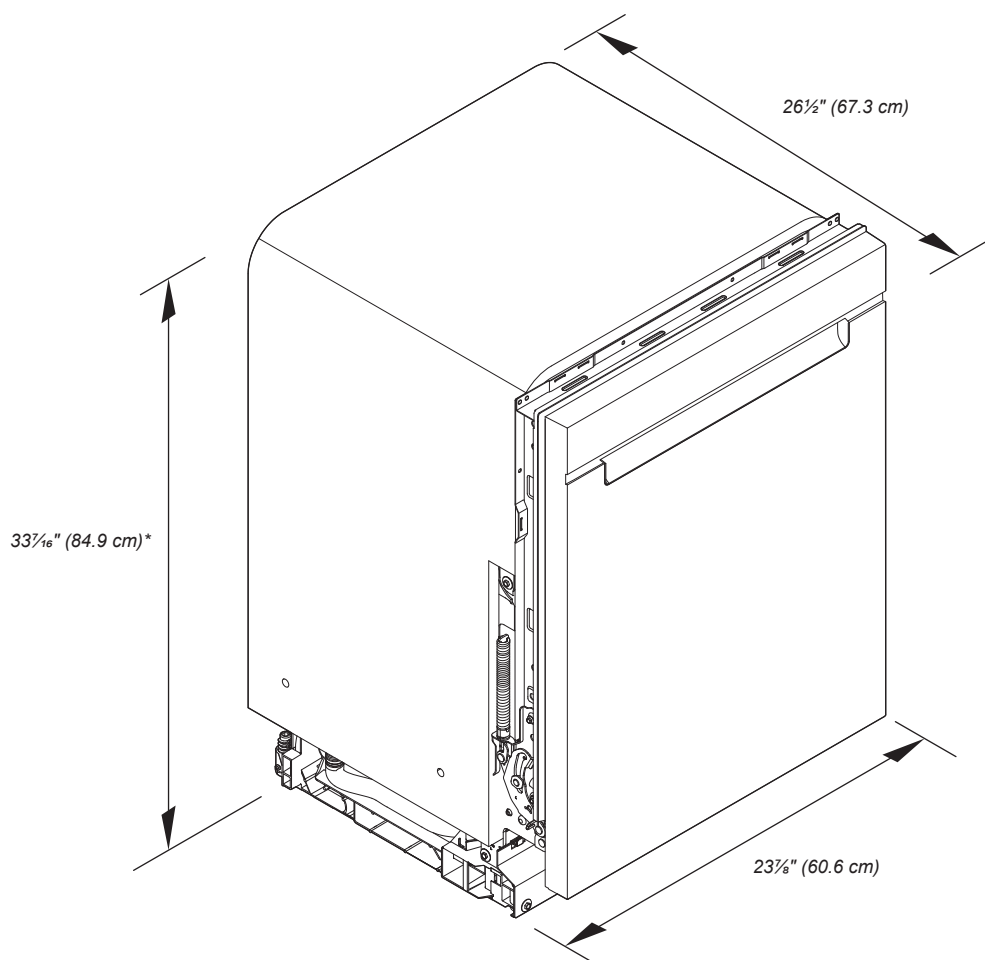
26½" (67.3 cm)

33⁷⁄₁₆" (84.9 cm)*

23⁷⁄₈" (60.6 cm)

*Dishwasher can be raised 1⁷⁄₁₆" (3.7 cm) with feet fully extended.

Whirlpool® 24" Dishwasher
DETAILED PLANNING DIMENSIONS GUIDE

PRODUCT DIMENSIONS (CONTD.)

FRONT VIEW   TOP VIEW   SIDE VIEW
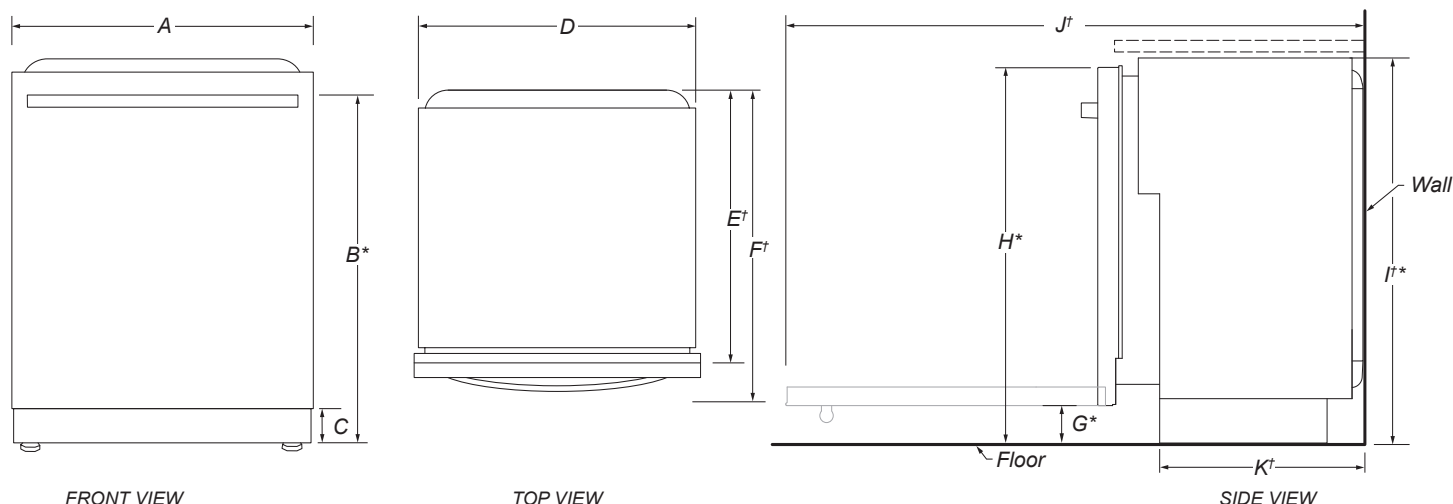
	DESCRIPTION	DIMENSIONS
A	Width of door	23⅞" (60.6 cm)
B*	Height to top of handle	31⁹⁄₁₆" (80.1 cm)
C	Height of adjustable toe kick	3½" (8.8 cm) - min. 4¼" (10.8 cm) - max.
D	Width of recessed dishwasher	23⅞" (60.6 cm)
E†	Depth without door	22⅝" (57.5 cm)
F†	Depth with Towel Bar Handle	26½" (67.3 cm)
	Depth with Pocket Handle	24½" (62.2 cm)
G*	Height to bottom of door (min.)	3⁵⁄₁₆" (8.4 cm)
H*	Height to top of door (min.)	33⁷⁄₁₆" (84.9 cm)
I†*	Height of recessed dishwasher (min.)	33⅝" (85.4 cm)
J†	Depth with door fully open (min.)	50³⁄₁₆" (127.4 cm)
K†	Depth with toe kick (min.)	20¹³⁄₁₆" (52.9 cm)

†Insulation blanket thickness adds up to 11/16" (1.8 cm) but can crush up to 1/8" (0.3 cm).

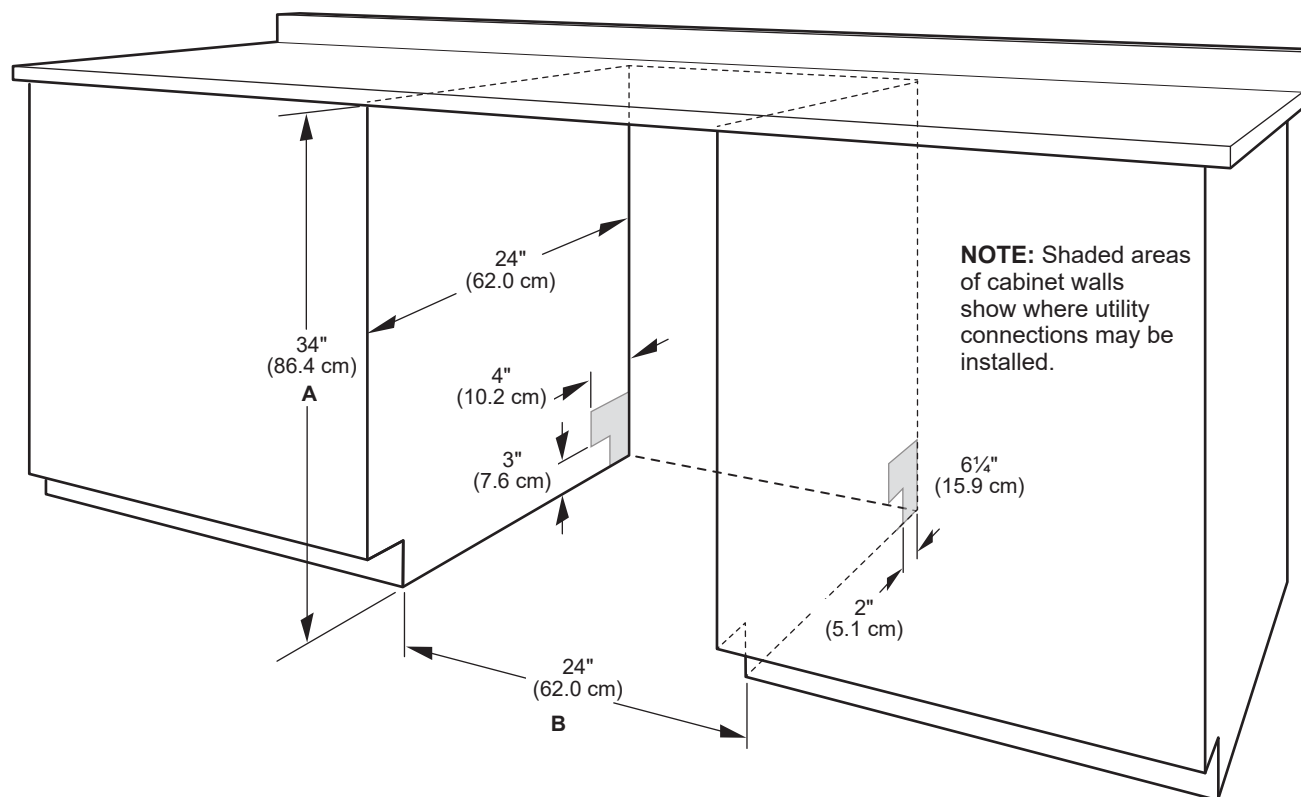*Dishwasher can be raised 1⁷⁄₁₆" (3.7 cm) with feet fully extended.

Whirlpool® 24" Dishwasher
DETAILED PLANNING DIMENSIONS GUIDE

OPENING/CLEARANCE DIMENSIONS

IMPORTANT: Check that all surfaces have no protrusions that would prohibit dishwasher installation.

Figure labels:
- 24" (62.0 cm)
- 34" (86.4 cm) **A**
- 4" (10.2 cm)
- 3" (7.6 cm)
- 24" (62.0 cm) **B**
- 6¼" (15.9 cm)
- 2" (5.1 cm)
- **NOTE:** Shaded areas of cabinet walls show where utility connections may be installed.

A. Measured from the lowest point on the underside of the countertop. May be reduced to 33½" (85.1 cm) by removing the wheels and perforated area of insulation (blanket) on dishwasher.

B. Minimum, measured from narrowest point of opening.

NOTE: Corner locations require a 2" (5.1 cm) minimum clearance between the side of the dishwasher door and the wall or cabinet.

DRAIN REQUIREMENTS

- A new drain hose is supplied with your dishwasher. If drain hose is not long enough, use a new drain hose with a maximum length of 12 ft (3.7 m) that meets all current AHAM/ IAPMO test standards, is resistant to heat and detergent, and fits the 1" (2.5 cm) drain connector of the dishwasher.

  NOTE: Do not connect multiple drain hoses together.

- Make sure to connect drain hose to waste tee or disposer inlet above drain trap in house plumbing and 20" (50.8 cm) minimum above the floor. It is recommended that the drain hose either be looped up and securely fastened to the underside of the counter or be connected to an air gap.

- Make sure to use an air gap if the drain hose is connected to house plumbing lower than 20" (50.8 cm) above subfloor or floor.

Use of air gap
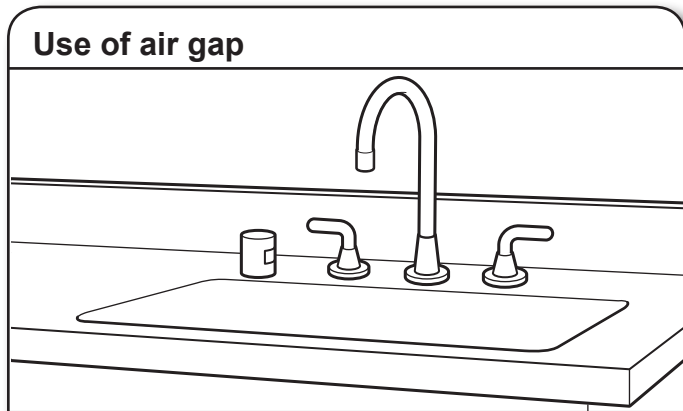
- If required, the air gap should be installed in accordance with the air gap installation instructions. When you are connecting the air gap, a rubber hose (not provided) will be needed to connect to the waste tee or disposer inlet.

- Use 1/2" (1.3 cm) minimum I.D. drain line fittings.

WATER SUPPLY REQUIREMENTS

- This dishwasher has a water heating feature and also requires a connection to a hot water supply line.

- A hot water line with 20 psi to 120 psi (138 kPa to 862 kPa) water pressure can be verified by a licensed plumber.

- 120°F (49°C) water at dishwasher.

- 3/8" (0.95 cm) O.D. copper tubing with compression fitting or flexible braided water supply line.

  NOTE: 1/2" (1.3 cm) minimum plastic tubing is not recommended.

- A 90° elbow with 3/4" (0.95 cm) hose connection with rubber washer.

- Do not solder within 6" (15.2 cm) of the water inlet valve.

- If installed in new construction, make sure the house water supply lines have been flushed prior to connecting the dishwasher to remove any debris that may exist in the supply line.

  NOTE: If replacing an existing dishwasher, it is recommended to install a new water line and drain hose (supplied) with the new dishwasher.

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.

Be sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA 70 - latest edition, and all local codes and ordinances.

A copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471

You Must Have:

- 120 V, 60 Hz, AC only, 15 A or 20 A, fused electrical supply

- Copper wire only

- A maximum of 2 field wiring supply conductors (12 AWG largest size) plus 1 grounding conductor are permitted in the terminal box.

We Recommend:

- A time-delay fuse or circuit breaker.

Circuit Requirements:

- The dishwasher may be installed on the same circuit as a garbage disposal providing that the branch circuit cannot exceed rated circuit load and must comply with all governing codes and regulations such as but not limited to National Electrical Code, ANSI/NFPA 70 - latest edition.

- No electrical connections other than the dishwasher power and ground connections can be made inside of the dishwasher terminal box.

If connecting dishwasher with a power supply cord:

- Use UL Listed power cord kit marked for use with dishwasher.

- Plug into a grounded 3 prong outlet. Outlet must meet all local codes and ordinances.
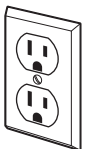
If connecting dishwasher with direct wiring:

- Use flexible, armored, or nonmetallic sheathed copper wire with grounding wire that meets the wiring requirements for your home and local codes and ordinances.

- Use a UL Listed/CSA Approved metallic strain relief.

36" Pyramid Canopy Chimney Hood

500 Series – Stainless Steel HCP56652UC

HCP56652UC
Stainless Steel

Wall mounted chimney hoods add style and sophistication to the kitchen and gives you greater freedom in your kitchen planning.

Features & Benefits

Remotely monitor and control your chimney hood with the Home Connect™ app.

Touch controls with LCD display.

600 CFM centrifugal integrated blower included.

Four speed touch controls with LCD display.

Dishwasher safe aluminum mesh filters.

Converts to recirculation mode with accessory kit (separate purchase required).

General Properties

Home Connect™ (Wi-Fi Enabled)	Yes
Operating mode	Convertible: ducted / recirculating
Maximum CFM	600 CFM
Sones	9.9 HS / 4.56 WS
Number of speed settings	4-stage
Motor location	Integrated motor in hood chimney
Number of lights	2
Bulb type	Halogen
Total power of the lamps (W)	80 W
Damper included	Yes
Grease filter material	Aluminum
Grease filter type	Multilayer cassette

Technical Details

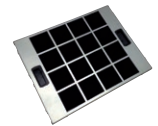|	
Volts (V)	120 V
Frequency (Hz)	60 Hz
Plug type	No plug

Dimensions & Weight

Overall appliance dimensions (width of canopy included) (HxWxD) (in.)	25" – 39 1/2" / 29" – 43 1/2" x 36" x 19 11/16"
Height of the chimney (in.)	19 9/16" – 33 7/8" / 23 1/4" – 42 9/16"
Required distance above cooktop/range cooking surface	30"–36" Electric / 30"–36" Gas
Diameter of air duct (in.) top	8"
Net weight (lbs)	53 lbs

Accessories—Optional

HCPEXT5UC
Chimney extension for 9-11.5 ft. ceilings

HCIFILTUC
Filter kit

HCREC5UC
Recirculation kit

36" Pyramid Canopy Chimney Hood

500 Series – Stainless Steel HCP56652UC

BOSCH
Invented for life

Installation Details

measurements in inches (mm)

ø 7⅞"
(ø 200)

4⅝"
(118)

29"-43½"
(734-1106) (**A**)

25"-39½"
(633-1006) (**B**)

10¾"
(273)

13³⁄₁₆"
(335)

23⅞"
(606)

5¾"
(146)

36"
(914)

19¹¹⁄₁₆"
(500)

Installation height above cooking surface:
30"-36" (762 mm-914 mm) to Electric
30"-36" (762 mm-914 mm) to Gas

A: Recirculating installation
B: Ducted installation

A   Lower flue duct
B   Upper flue duct

10¾"
(273 mm)

7⅞"
(200 mm)

13³⁄₁₆"
(335 mm)

A

5"
(126 mm)

36"
(914 mm)

19¹¹⁄₁₆"
(500 mm)

A   Ducted operation:
Min. / Max. 24 9/16" (624 mm) / 38 7/8" (985 mm)
Recirculation mode:
Min. / Max. 28 1/4" (716 mm) / 42 9/16" (1081 mm)

measurements in inches (mm)

SAMSUNG

WF45R6100AV

Samsung Front Load Washer with Steam

4.5 cu. ft. Capacity DOE

Signature Features

Steam
• Powerful stain removal without pretreatment, while still gentle on your clothing.

Self Clean+
• Keeps your washer drum fresh and clean by eliminating 99% of bacteria[1]. Will also send a reminder to clean the drum every forty wash cycles.

Smart Care
• Easy troubleshooting from the convenience of your smartphone[2]. Smart Care interacts with your washer and dryer to perform an immediate diagnosis and offer quick solutions.

Available Colors

Black Stainless Steel (shown)

Platinum

Champagne

White

Steam

Self Clean+

Features

• Steam
• Self Clean+
• Smart Care
• VRT Plus™ Technology
• Swirl+ Drum Design
• Closet-Depth Fit[3]
• Stackability
• Internal Water Heater
• 1200 RPM Maximum Spin Speed
• Direct Drive Motor
• 10 Preset Washing Cycles
• 7 Additional Washing Options

• 5 Temperature Levels
• LED Display: Ice Blue
• 24-Hour Delay End

Convenience

• Child Lock
• Delay End
• Dispenser Trays: Main Wash, Softener, Bleach

ADA Compliant[4]

Rating

ENERGY STAR®-rated
CEE Tier 2
IMEF = 2.92
IWF = 2.9

[1] Based on testing by Intertek of the Self Clean+ cycle on the WF6000R.
[2] Requires Samsung Smart Washer/Dryer App. The Samsung Smart Washer/Dryer app supports Android OS 2.3.6 or later and iOS 3 or later for iPhone models. Smart Washer/Dryer app available in App Store and Play Store.
[3] Designed to fit a 40" installation depth.
[4] ADA Compliant when using a Samsung 27" wide riser (WE272NV, WE272NC or WE272NW).

WF45R6100AV

SAMSUNG

## Samsung Front Load Washer with Steam

4.5 cu. ft. Capacity DOE

Installation Specifications

If the washer and dryer are installed together or the dryer alone, the closet front must have two unobstructed air openings for a combined minimum total area of 72-inch² (see stacked build below). Your washer alone does not require a specific air opening.
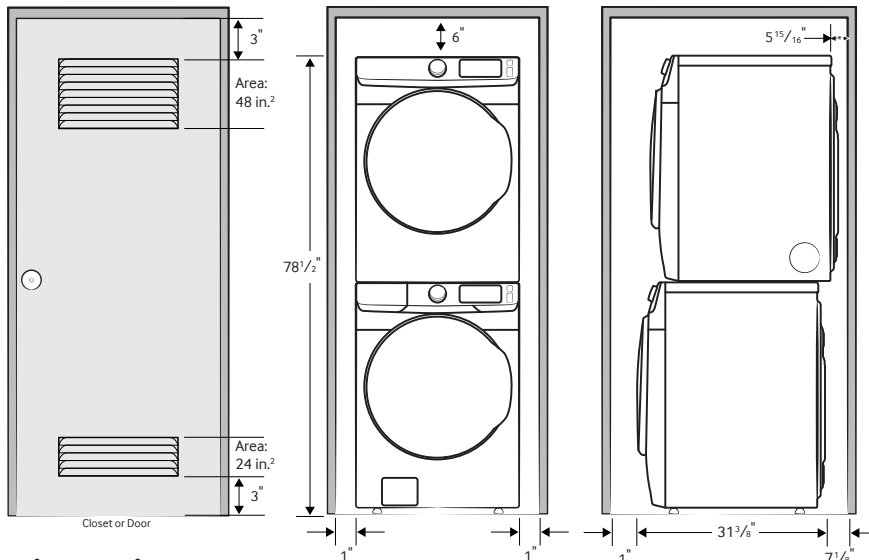
*Required spacing (External exhaust elbow may require additional space.)

1. Alcove or closet installation
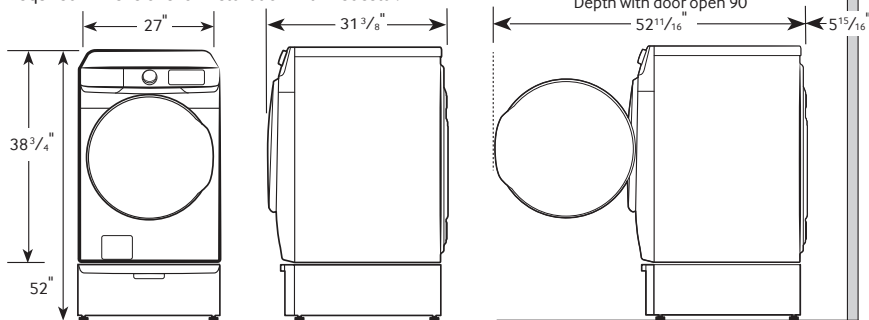Minimum Clearance for Closet and Alcove Installations:

Recessed Area   **Side View Confined**
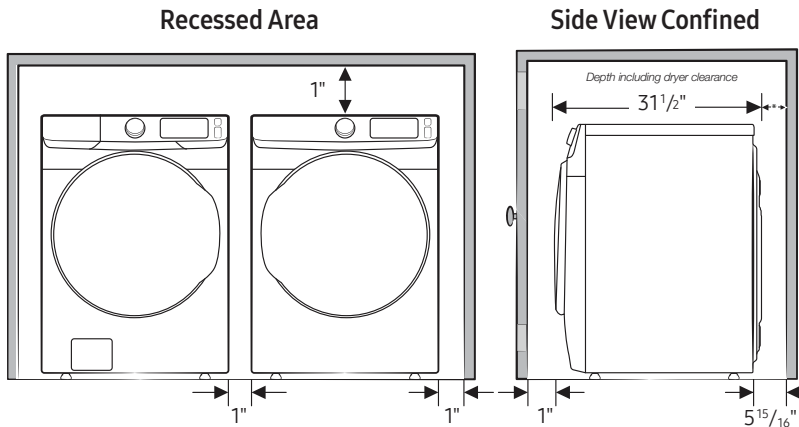
2. With stacked washer and dryer

Dimensions
Required Dimensions for Installation with Pedestal:

10 Preset Washing Cycles:
Normal, Heavy Duty, Bedding, Quick Wash, Permanent Press, Delicates, Whites, Sanitize, Rinse and Spin, Self Clean+

7 Additional Washing Options:
Presoak, Steam, Delay End, Alarm Off, Child Lock, Smart Care, Spin Only

5 Temperature Levels:
Hot, Warmer, Warm, Cool, Cold

5 Spin Speeds:
High, Medium High, Medium, Low, No Spin

5 Soil Levels:
Heavy, Medium Heavy, Normal, Medium Low, Light

Dispenser Trays:
Main Wash, Softener, Bleach

Warranty
One (1) Year Parts and Labor
Three (3) Years Stainless Steel Drum (Part Only)
Ten (10) Years Direct Drive Motor (Part Only)

Product Dimensions & Weight (WxHxD)
Dimensions: 27" x 38$\frac{3}{4}$" x 31$\frac{3}{8}$"
Weight: 201 lbs

Shipping Dimensions & Weight (WxHxD)
Dimensions: 29$\frac{3}{8}$" x 42$\frac{3}{8}$" x 34$\frac{1}{8}$"
Weight: 205 lbs

Color	Model #	UPC Code
Fingerprint Resistant Black Stainless Steel	WF45R6100AV	887276412160
Platinum	WF45R6100AP	887276299464
Champagne	WF45R6100AC	887276305295
White	WF45R6100AW	887276299471

Matching Dryer (Electric/Gas)

Fingerprint Resistant Black Stainless Steel	DVE45R6100V	887276412146
Platinum	DVE45R6100P	887276300443
Champagne	DVE45R6100C	887276305943
White	DVE45R6100W	887276300450
Fingerprint Resistant Black Stainless Steel	DVG45R6100V	887276412153
Platinum	DVG45R6100P	887276300481
Champagne	DVG45R6100C	887276305271
White	DVG45R6100W	887276300498

Pedestal

Fingerprint Resistant Black Stainless Steel	WE402NV	887276310145
Platinum	WE402NP	887276310138
Champagne	WE402NC	887276310121
White	WE402NW	887276310152

Riser

Fingerprint Resistant Black Stainless Steel	WE272NV	887276197630
Champagne	WE272NC	887276393940
White	WE272NW	887276197647

Accessories

Stacking Kit	SKK-8K	887276344034

DVE45T6100P/AC

SAMSUNG

7.5 Cu.Ft. Electric Dryer with Steam Sanitize

www.samsung.com/ca

Interior Drum Light

Smart Care

Reversible Door

Child Lock

Dual Heater

Filter Check Indicator

Mixed Load Bell

Progress Indicator

Steam

Vent Exhaust (Electric/Gas) 4 ways

Wrinkle Prevent

Number of Drying Level 5 EA

Number of Temp. Level 5 EA

Number of Time Level 5 EA

Normal | Heavy Duty

Time Dry | Air Fluff

Perm Press | Quick Dry

Refresh | Delicates

Bedding | Steam Sanitize+

Wrinkle Prevent | Eco Dry | Damp Alert

Drum Light (Long Key) | Alarm Off (Long Key)

Child Lock (Dual Long Key) | Smart Care (Long Key)

Adjust Time (Up) | Adjust Time (Down)

Color　Platinum

Dimensions

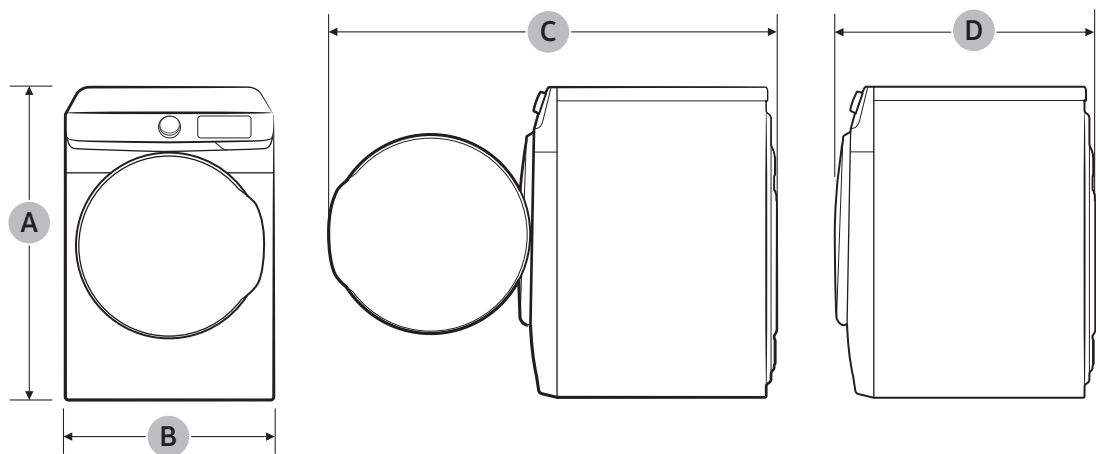| Width	27"
Height	31.5"
Depth	38.7"

Product dimension, cutout and installation specifications are provided for planning purposes only. Before installing any product, be sure to verify cutout dimensions and electrical/gas connections with the installation

Dimensions

Type		Front loading dryer
Dimensions (in. (mm))	A. Overall height	38.7 (984)
	B. Width	27.0 (686)
	C. Depth with door open	52.6 (1335)
	D. Depth	31.5 (800)

Installation requirements

Clearance requirement

This clearance requirement is applicable for dryers only.

📄 NOTE

- For washer's clearance requirement, see the washer's user manual.
- If the washer and dryer have different clearance requirements, use the one with the larger value.

Alcove or closet installations

⚠ WARNING

- The dryer must be exhausted to the outside to reduce the risk of fire when installed in an alcove or closet.
- No other fuel-burning appliance should be installed in the same closet as the dryer.
- Place the dryer at least 18 in. (460 mm) above the floor for garage installation.

Minimum clearance for stable operation:

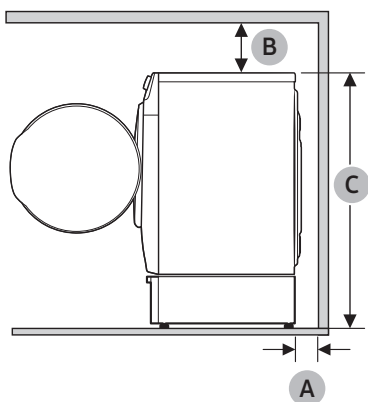| Sides	Top	Rear	Front
1 in. (25 mm)	1 in. (25 mm)	5.9 in. (150 mm)	1 in. (25 mm)

If both the washer and a dryer are installed in the same location, the front of the alcove or closet must have two unobstructed air openings for a combined minimum total area of 72 in.^{2} (465 cm^2).

Undercounter installation
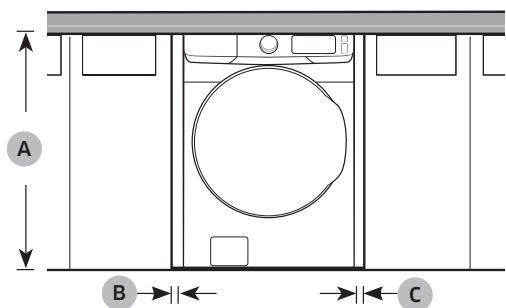
A	39.6 in. (1006 mm)
B	1 in. (25 mm)
C	1 in. (25 mm)

Pedestal installation

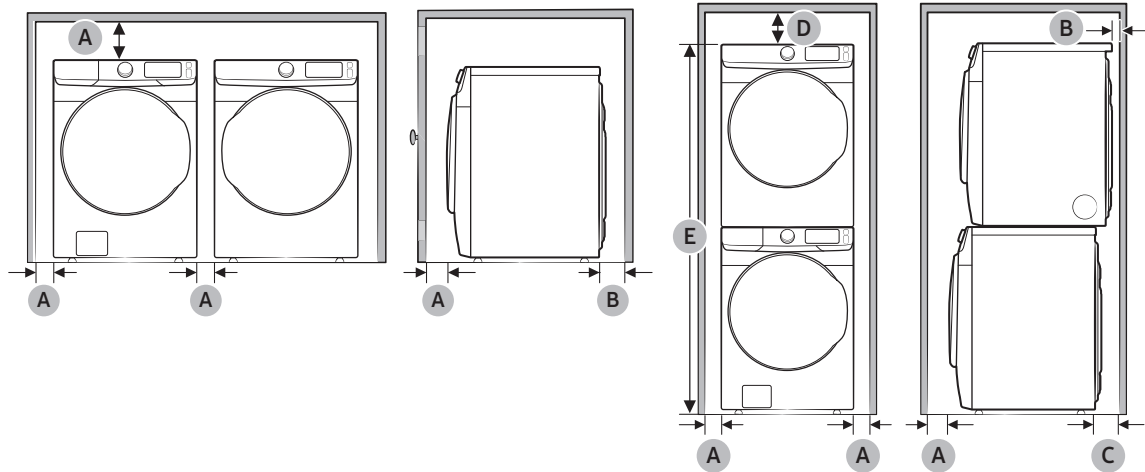| A	5.9 in. (150 mm)
B	6 in. (152 mm)
C	52.0 in. (1320 mm)

Installation requirements

Installation requirements

This clearance requirement is applicable for washer and dryer pair installation.

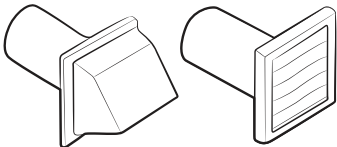Side by side installation

Stacked installation (Model: SKK-8K)
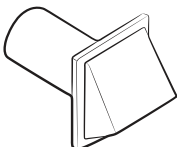
A	1 in. (25 mm)
B	5.9 in. (150 mm)
C	7.1 in. (180 mm)
D	6 in. (152 mm)
E	78.5 in. (1994 mm)

📄 NOTE

Stacking (MODEL NO: SKK-8K)

Many of Samsung's washers and dryers can be stacked to maximize usable space. You can purchase an optional stacking kit from your Samsung retailer. For details about stacking and compatible models, refer to the user manual included in the stacking kit you purchase.

Ducting requirements

Weather hood type	Recommended	Use only for short-run installation
	4" (10.2 cm)	2.5" (6.4 cm)
No. of 90° elbows	Rigid	Rigid
0	80 ft. (24.4 m)	74 ft. (22.6 m)
1	68 ft. (20.7 m)	62 ft. (18.9 m)
2	57 ft. (17.4 m)	51 ft. (15.5 m)
3	47 ft. (14.3 m)	41 ft. (12.5 m)

📖 NOTE

* Use a 4-inch (10.2 cm) diameter rigid aluminum or galvanized steel duct.

If you integrate the dryer's vent system with an existing exhaust system:

• Make sure the exhaust system meets all applicable local, state, and national regulations.
• Verify you are not using flexible plastic duct.
• Make sure to check for and remove all lint buildup from inside the existing ducts.
• Confirm the duct is not kinked or crushed.
• Make sure the exhaust hood damper opens and closes freely.

Manometer measurements

The static pressure in any exhaust system must not exceed 0.83 inches of water column or be less than 0. Note that these values are measured with the dryer running with a manometer presented to the exhaust duct that connects to the dryer. The dryer tumbler must be empty and lint filter clean.

Installation requirements

Exhausting requirements

The dryer must not be exhausted into a chimney, a wall, a ceiling, an attic, a crawl space, or a concealed space of a building. Exhausting the dryer to the outside will prevent large amounts of lint and moisture from being blown into the room.

In the United States and Canada

- All dryers must be exhausted to the outside.
- The required exhaust duct is 4 inches (10.2 cm) in diameter.
- See "Ducting requirements" in the "Installation" section for the maximum duct length and number of bends that can be used.
- The total length of flexible metal duct must not exceed 7' 10 1/2" (2.4 m).
- Do not assemble the duct with screws or other fasteners that extend into the duct and catch lint.
- For the United States only: Use only those foil-type flexible ducts, if any, specifically identified for use with the appliance by the manufacturer and that comply with the Outline for Clothes Dryer Transition Duct. Use Subject 2158A.

Outside the United States and Canada

- Refer to the local codes.

⚠ WARNING

- You must exhaust the dryer to the outside to reduce the risk of fire when you install the dryer in an alcove or closet.
- Do not use a plastic or non-metal flexible duct.
- If your existing ductwork is plastic, non-metal, or combustible, replace it with metal.
- Use only a metal exhaust duct that is non-flammable to ensure containment of exhaust air, heat, and lint.