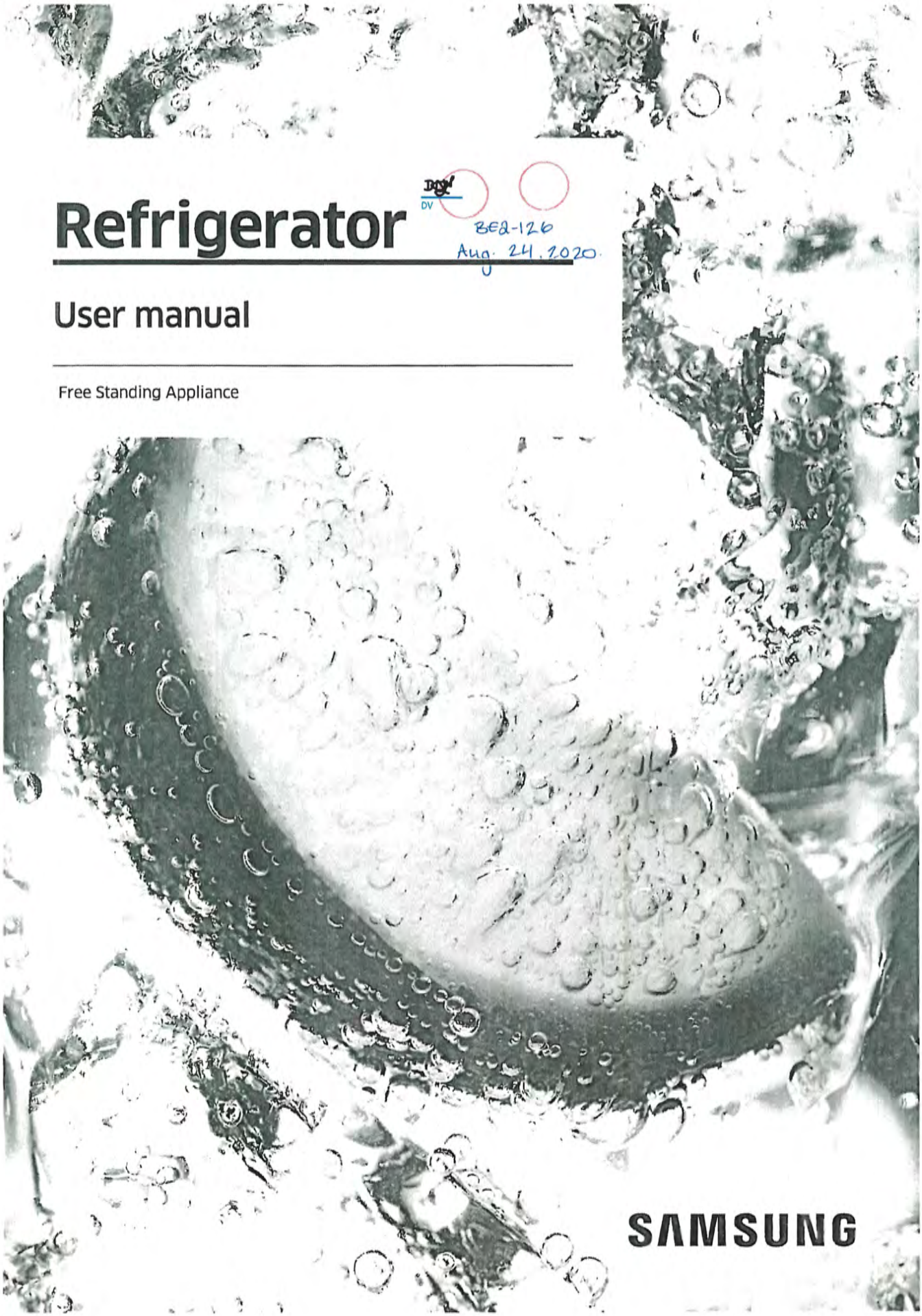
Refrigerator

DV

BE2-126
Aug. 24, 2020

User manual

Free Standing Appliance



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BE2-126
Aug 24, 2020

RF22M9581SG 4-Door Flex™ with Family Hub 22.0 Cu. Ft.

RF22M9581SG/AC

2.8 (10) Write a review

Food Management
Family Communication
Entertainment

ZOOM IN

WHERE TO BUY

Family Hub	Smart Home	155 kg	Triple Cooling
		Net Weight(kg)	Cooling Type

Family Hub. So much more than a Fridge.

Family Hub™ helps you manage your home and your life, with Food Management, Family Connection and Entertainment capabilities – all controlled from a 21.5" connected touchscreen.

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Installation

BE2-126
Aug. 24. 2020.

Step-by-step installation

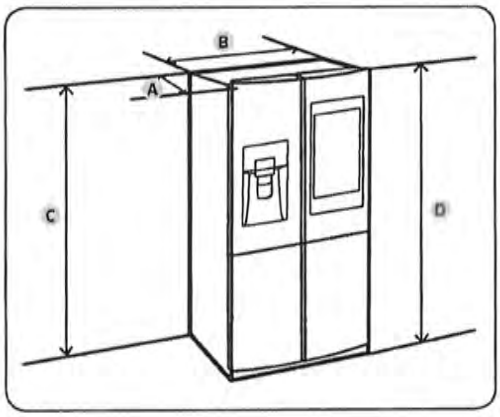
STEP 1 Select a site

The site must:

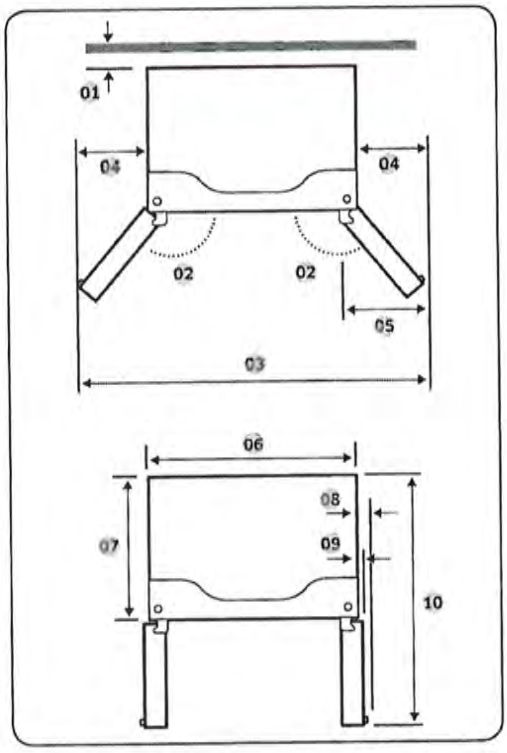
- Have a solid level surface without carpeting or flooring that may obstruct ventilation
- Be out of direct sunlight
- Have adequate room for opening and closing the door
- Be away from any heat source
- Provide room for maintenance and servicing
- Have a temperature range between 50 °F (10 °C) and 110 °F (43 °C)

Clearance

See the pictures and table below and on the next page for installation space requirements.



Model	RF22M*	RF28M*
Depth "A"	28 7/8" (733 mm)	34 1/4" (871 mm)
Width "B"	35 3/4" (908 mm)	35 3/4" (908 mm)
Height "C"	70 3/4" (1797 mm)	70 3/4" (1797 mm)
Overall Height "D"	71 7/8" (1825 mm)	71 7/8" (1825 mm)



	RF22M*	RF28M*
01	2" (50 mm)	2" (50 mm)
02	125°	125°
03	59 5/8" (1515 mm)	59 5/8" (1515 mm)
04	11 7/8" (303 mm)	11 7/8" (303 mm)
05	12" (305 mm)	12" (305 mm)
06	35 3/4" (908 mm)	35 3/4" (908 mm)
07	24" (610 mm)	29 3/8" (748 mm)
08	2 3/4" (70 mm)	2 3/4" (70 mm)
09	1 3/4" (43 mm)	1 3/4" (43 mm)
10	42 5/8" (1083 mm)	48 1/8" (1221 mm)

NOTE

The measurements of your refrigerator may differ from those listed above, depending on the measuring method.

Built-In Electric Combination Oven

Installation manual

NQ70M6650D*/NQ70M7770D*

DV

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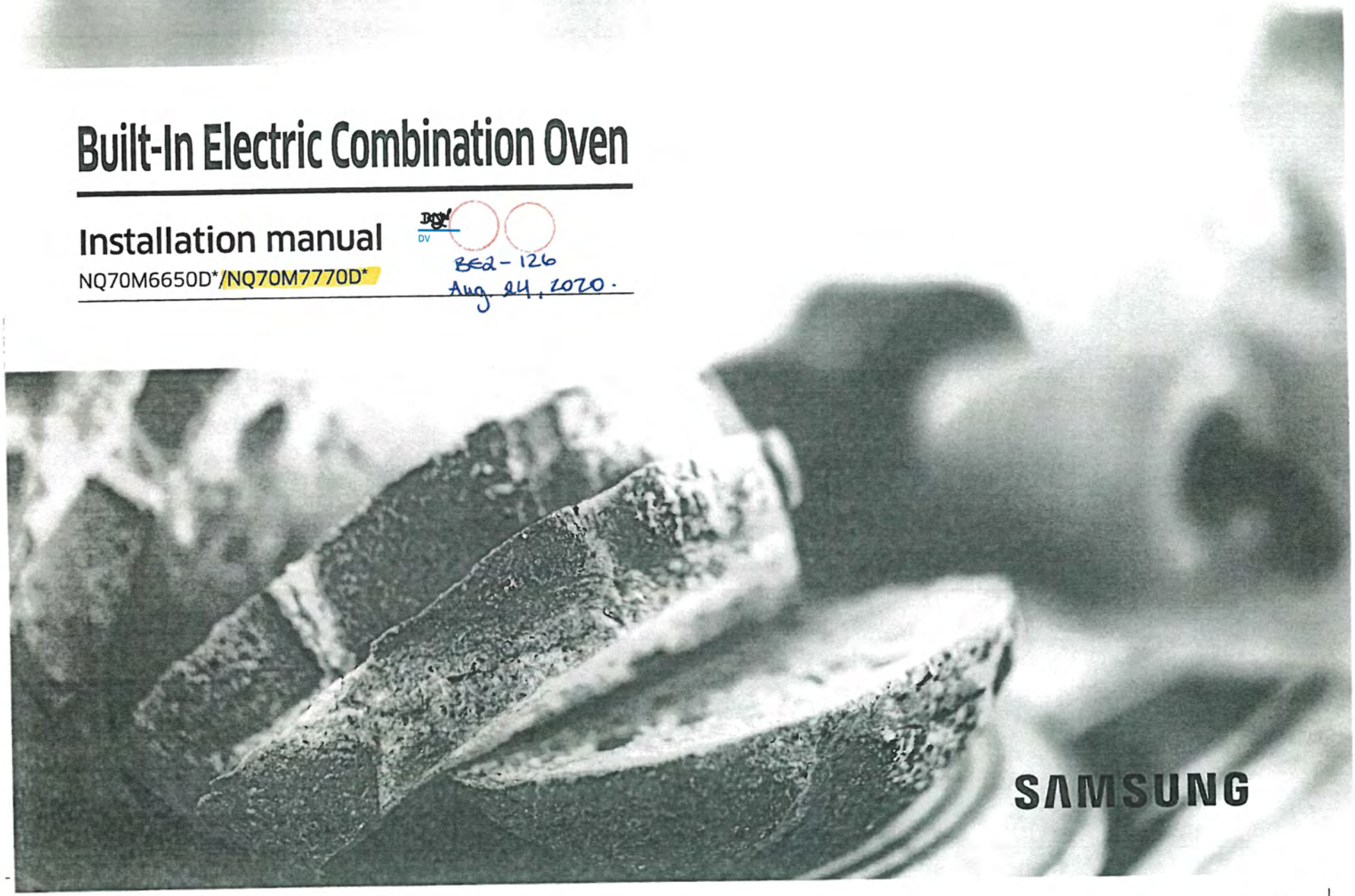

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NQ70M7770DG Combi Double Oven with Power Convection

ZOOM IN

BE2-126
Aug. 24, 2020.

NQ70M7770DG Combi Double Oven with Power Convection

NQ70M7770DG/AA

4.2 (33) Write a review

Flexible choice of cooking
Crispy outside, Juicy inside
Easily check your food

COLOR

BLACK STAINLESS STEEL

WHERE TO BUY

Combi Double Oven

Power Convection

Upper 1.9 cu.ft / Lower 5.1 cu.ft
Oven Capacity

Broil 1650 W
Heater Element

Flexible choice of cooking

Combi Double Oven

A Combi Double Oven offers a flexible choice of cooking methods to perfectly match your needs. The upper cavity works as a microwave oven, with Power Convection technology, while the lower cavity is a normal oven.

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BE2-126 DV
Aug. 24. 2020.

Location requirements

IMPORTANT: Observe all governing codes and ordinances.

- Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance with oven.
- Recessed installation area must provide complete enclosure around the recessed portion of the oven.
- Grounded electrical supply is required. See "Electrical connection" section.
- Electrical supply junction box should be located 3" (7.6 cm) maximum below the support surface when the oven is installed in a wall cabinet. A 1" (2.5 cm) minimum diameter hole should have been drilled in the right rear or left rear corner of the support surface to pass the appliance cable through to the junction box.

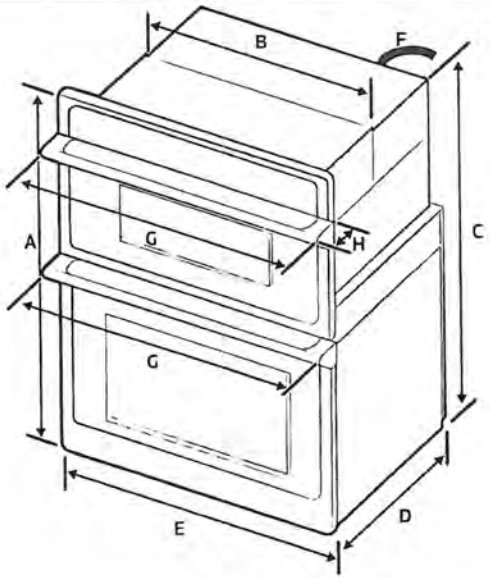
NOTE

For under counter installation, it is recommended that the junction box be located in the adjacent right or left cabinet. If you are installing the junction box on rear wall behind oven, it is recommended that the junction box be recessed and located in the upper Right of the cabinet.

- Oven support surface must be solid, level and flush with bottom of cabinet cutout.
- Floor must be able to support a Combi. oven weight of 287 lb (130 kg).

IMPORTANT: To avoid damage to your cabinets, check with your builder or cabinet supplier to make sure that the materials used will not discolor, delaminate or sustain other damage. This oven has been designed in accordance with the requirements of UL and CSA International and complies with the maximum allowable wood cabinet temperatures of 194 °F (90 °C).

Product dimensions - Combi. ovens



DIMENSION		
A	43¼" (109.9 cm)	Overall height
B	28½" (72.4 cm)	Recessed width
C	42" (106.5 cm)	Recessed height
D	23⅛" (58.7 cm)	Recessed depth
E	29¾" (75.6 cm)	Door Width
F	67" (170 cm)	Conduit length
G	29⅞" (75.9 cm)	Overall width (Handle width)
H	2 9/16" (6.5 cm)	Handle Depth

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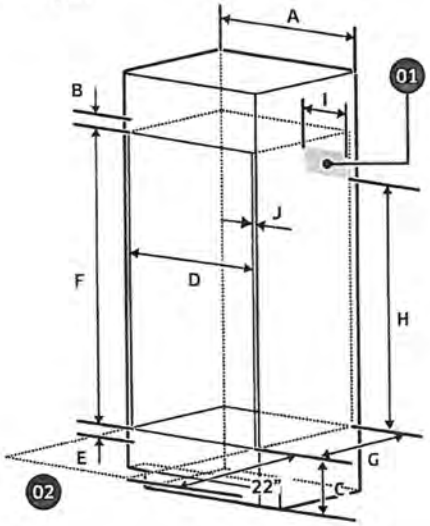
Preparation

Cabinet dimensions - Combi. ovens

Combi Ovens Installed in Cabinet

01 Junction Box
02 Allow a minimum of 22" for clearance to adjacent corners, drawers, walls, etc. when door is open



Cabinet	DIMENSION
A	30" (76.2 cm)
B	Min. 3/16" (3.0 cm)
C	12" (30.5 cm)
D	Min. 28 1/2"/ Max. 28 5/8" (Min. 72.4 cm / Max. 72.7 cm)
E	Min. 1"/ Max. 1 1/4" (Min. 2.5 cm / Max. 3.2 cm)
F	42 1/4" (107.2 cm)

Cabinet	DIMENSION
G	Min. 23 1/2" (Min. 59.7 cm)
H	Min 30 1/2" (Min 755 mm)
I	Max. 9 1/2" (Max. 24.1 cm) - Junction Box
J	Min. 11/16" (1.75 cm) - Wooden cabinet thickness

If codes permit and a separate ground wire is used, it is recommended that a qualified electrical installer determine that the ground path and the wire gauge are in accordance with local codes.
Check with a qualified electrical installer if you are not sure the oven is properly grounded.
This oven must be connected to a grounded-metal permanent wiring system.
Be sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA 70-latest edition or CSA Standards C22.
1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91-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

CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

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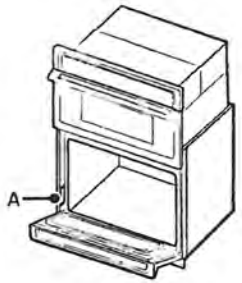
Electrical Connection

To properly install your oven, you must determine the type of electrical connection you will be using and follow the instructions provided in this manual.

- Oven must be connected to the proper electrical voltage and frequency as specified on the model/serial/rating plate. The model/serial/rating plate is located below the control panel on combi ovens. See the following illustrations.



Combi. oven
A. Model/serial/rating plate

- A circuit breaker is recommended.
- Use the chart below to determine the minimum recommended dedicated circuit protection.

KW Rating (240 V)	KW Rating (208 V)	Recommended Circuit Size (Dedicated)
≤4.8 KW	≤4.1 KW	20 Amp
4.9 KW - 7.5 KW	4.3 KW - 6.2 KW	30 Amp
7.3 KW - 9.6 KW	6.3 KW - 8.3 KW	40 Amp
9.7 KW - 12.0 KW	8.4 KW - 10.4 KW	50 Amp

- Connect directly to the circuit breaker box (or fused disconnect) through flexible, armored or nonmetallic sheathed, copper cable (with grounding wire). See "Electrical Connection" section.
- Flexible conduit from the oven should be connected directly to the junction box.
- Fuse both sides of the line.
- Do not cut the conduit. The length of conduit provided is for serviceability of the oven.
- A UL listed or CSA approved conduit connector must be provided.
- If the house has aluminum wiring, follow the procedure below:
  1. Connect a section of solid copper wire to the ends of the flexible conduit leads.
  2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.

  Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

For power requirements for models NQ70M6650D, and NQ70M7770D refer to the following table.

Model	240 VAC	208 VAC
	kW	kW
NQ70M6650D	8.2	6.2
NQ70M7770D	9.5	7.2

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Gas Cooktop

Installation manual

NA30N6555T*/NA30N7755T*
NA36N6555T*/NA36N7755T*

DG
DV

BE2-126
Aug. 24, 2020.

DV

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Aug. 24, 2020.

ZOOM IN

30" Gas Cooktop with 22K BTU Dual Power Burner, NA30N7755TG/AA (Black Stainless)

NA30N7755TG/AA

4.6 (34) Write a review

- Powerful heat with precise control
- Remote & convenient cooktop monitoring
- One-touch control of both cooktop & hood

COLOR

BLACK

WHERE TO BUY

5 EA	59,000 BTU	762 x 79.3 x 533 mm	33.9 kg
Number of Burner	Total Power	Net (WxHxD)	Weight (Net)

Powerful heat with precise control

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Installation requirements

Pre-installation checklist

1. When preparing cooktop opening, make sure the inside of the cabinet, and the cooktop do not interfere with each other.
2. Remove packing materials, grate boxes, regulator with literature, and literature package from the cooktop before beginning installation.

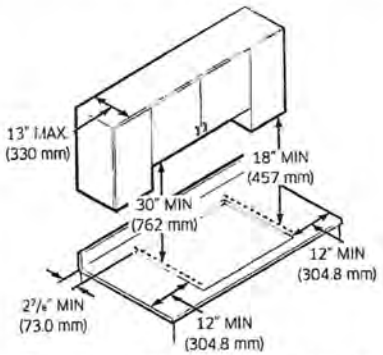
Location requirements

BEFORE YOU BEGIN to install this appliance, refer to the following information, dimensions, and clearances. These dimensions must be met for safe use of the cooktop. The location of the electrical outlet and gas piping may be adjusted to meet the following dimensions and clearances.

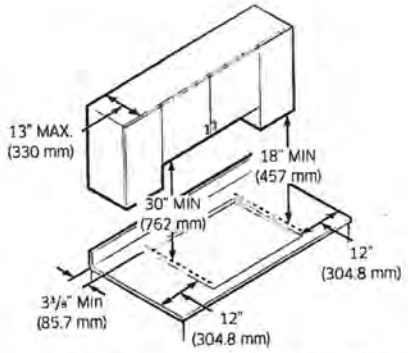
⚠ CAUTION

This cooktop has been designed to comply with the maximum allowable wood cabinet temperature of 194 °F (90 °C). Make sure the wall covering, countertops, and cabinets around the cooktop can withstand the heat (up to 194 °F [90 °C]) generated by the cooktop. If not, discoloration, delamination, or melting may occur.

Maintain the following minimum clearance dimensions



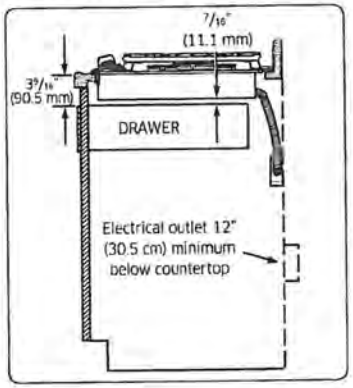
30" - NA30N6555T*/ NA30N7755T*



36" - NA36N6555T*/ NA36N7755T*

NOTE

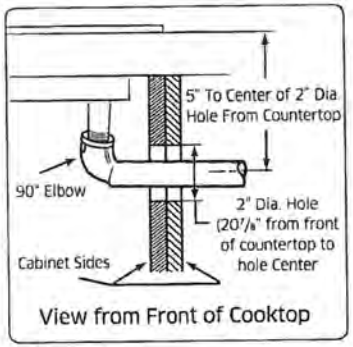
All horizontal clearances must be maintained for a minimum of 18" (457 mm) above the cooking surface.



NOTE

Allow 7/16" minimum vertical clearance from the cooktop bottom (or 3⁹/₁₆") minimum depth from the countertop) to any combustible surfaces, including the upper edge or a drawer installed below the cooktop.

Installation over built-in oven



See built-in oven installation for complete installation instructions.

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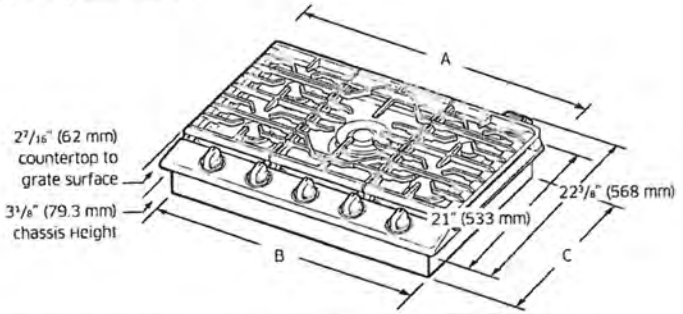
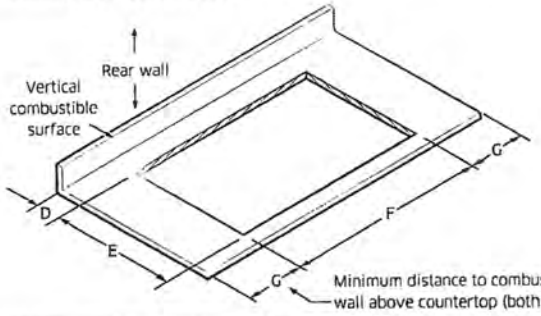
Overall cooktop dimensions



Model	A	B	C
NA30N6555T* NA30N7755T*	30" (762 mm)	28¹/₈" (715 mm)	19³/₈" (492.1 mm)
NA36N6555T* NA36N7755T*	36" (914.4 mm)	33¹¹/₁₆" (855 mm)	18⁷/₈" (479 mm)

Cutout dimensions of countertop

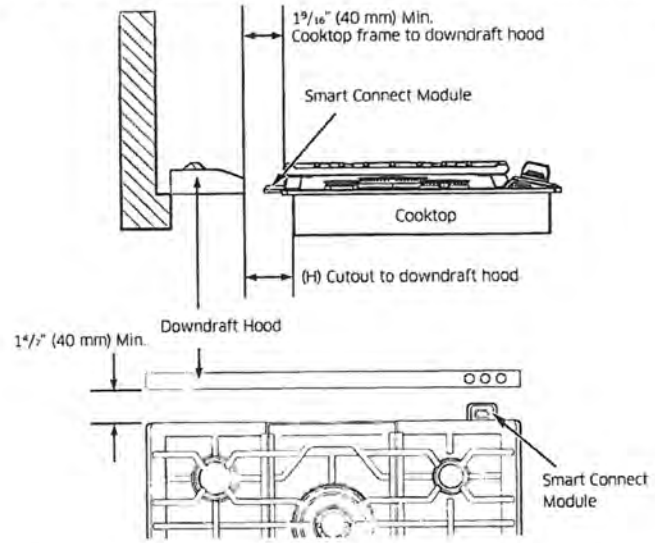


Model	(D) Min.	(E) Min.	(F) Min.	(G) Min.
NA30N6555T* NA30N7755T*	2⁷/₈" (73 mm)	19⁵/₈" (498.5 mm)	28¹/₂" (723.9 mm)	12" (304.8 mm)
NA36N6555T* NA36N7755T*	3³/₈" (85.7 mm)	19¹/₈" (485.8 mm)	33⁷/₈" (860.4 mm)	12" (304.8 mm)

Installation dimensions with downdraft hood

NOTE

- Make sure the clearance dimensions when you install the cooktop with downdraft hood.
- The cooktop can be installed after detaching Smart Connect module. Please refer to the instruction how to detach Smart Connect module on page 15.



Model	(H) Min.
NA30N6555T* NA30N7755T*	2⁷/₁₆" (62 mm)
NA36N6555T* NA36N7755T*	3" (76 mm)

Installation requirements

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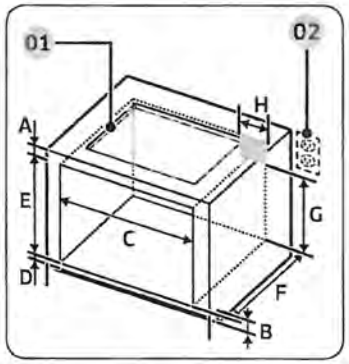
Single Oven Under counter

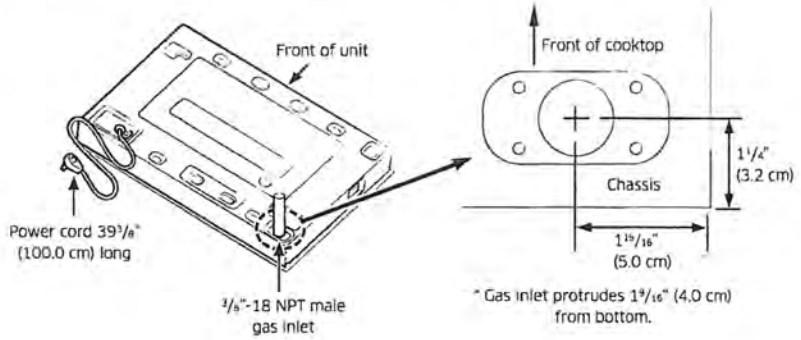


01 This cooktop can be installed above any Samsung single built-in oven. Refer to installation manual of oven.

02 Gas and Electrical Connections for Gas Cooktop Must be Located in an Adjacent Accessible Location to the Right.

	Size
A	Min. 3¾" (9.5 cm)
B	4" (10.1 cm)
C	Min. 28½"/ Max. 28⅝" (Min. 72.4 cm / Max. 72.7 cm)
D	Min. 1"/ Max. 1¼" (Min. 2.5 cm / Max. 3.2 cm)
E	Min. 27¼"/ Max. 27⅜" (Min. 69.2 cm / Max. 69.5 cm)
F	24" (61 cm)
G	Min. 22" (Min 55.9 cm)
H	Max. 9½" (Max. 24.1 cm) - Junction Box

Utility locations and dimensions



Gas supply requirements

Provide adequate gas supply

This cooktop is designed to operate at a pressure of 5 in (13 cm) of water column on natural gas or 10 in (25 cm) of water column on LP gas (propane or butane).

Make sure you are supplying your cooktop with the type of gas for which it is designed. **Do not attempt to convert the appliance from the gas specified in this manual to a different gas without consulting the gas supplier.**

This cooktop is convertible for use on natural or propane gas. If you decide to use this cooktop on LP gas, conversion must be made by a qualified LP installer before attempting to operate the cooktop.

For proper operation, the pressure of natural gas supplied to the regulator must be between 5 in and 13 in (13 cm and 33 cm) of water column.

For LP gas, the pressure supplied must be between 10 in and 13 in (25 cm and 33 cm) of water column.

When checking for proper operation of the regulator, the inlet pressure must be at least 1 in (2.5 cm) greater than the operating (manifold) pressure as given.

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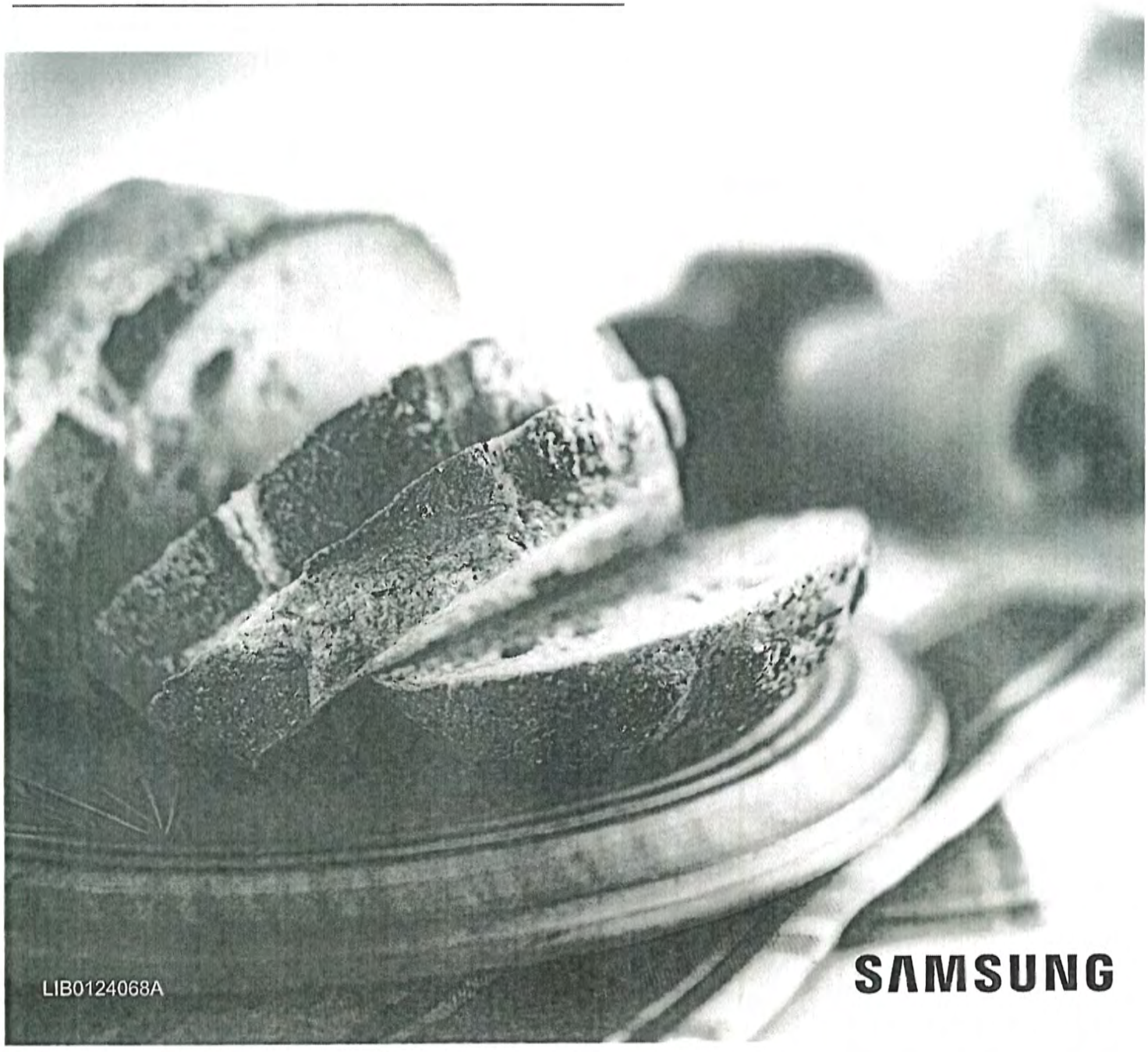
DV

BE2-126
Aug. 24, 2020

Range Hood
Hotte de la cuisine
Campana de cocina

Installation Instructions Guide
Guide d'instructions d'installation
Guía de Instrucciones para Instalación

NK30K7000WS / NK36K7000WS / NK30K7000WG / NK36K7000WG



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NK30K7000WG Hood with Baffle filter and Bluetooth Connectivity, 1020 m³/h

NK30K7000WG/AA

3.2 (24) Write a review

ZOOM IN

- Quietly refresh kitchen air
- One-touch control of both cooktop & hood
- Monitor from a distance

COLOUR

BLACK

WHERE TO BUY

1020 m³/h	20 kg	760 x 500 x 394 mm
Max Extraction(m³/hr)	Weight (Net)	Net (WxHxD)

Quietly refresh kitchen air

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Installation Requirements

DV

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Aug 24. 2020 *

Electrical Requirements

IMPORTANT
Observe all governing codes and ordinances.

It is the customer's responsibility:
To contact a qualified electrical installer.
To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition*, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No.0-M91 - latest edition** and all local codes and ordinances.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.
A copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471
CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

- A 120 volt, 60 Hz., AC only, 15-amp, fused electrical circuit is required.
- If the house has aluminum wiring, follow the procedure below:

1. Connect a section of solid copper wire to the pigtail leads.
2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.

- Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.
- Wire sizes and connections must conform with the rating of the appliance as specified on the model/serial rating plate. The model/serial plate is located behind the filter on the rear wall of the range hood.
- Wire sizes must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22. 1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition and all local codes and ordinances.

Venting Requirements

- Vent system must terminate outdoors.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use a 4" (10.2 cm) laundry-type wall cap.
- Use metal vent only. Rigid metal vent is recommended. Plastic or metal foil vent is not recommended.
- The length of the vent system and the number of elbows should be kept to a minimum to provide efficient performance.

For the most efficient and quiet operation:

- Use no more than three 90° elbows.
- Make sure there is a minimum of 24" (61 cm) of straight vent between the elbows if more than 1 elbow is used.
- Do not install 2 elbows together.
- Use clamps to seal all joints in the vent system.
- The vent system must have a damper. If the roof or wall cap has a damper, do not use the damper supplied with the range hood.
- Use caulking to seal the exterior wall or roof opening around the cap.
- The size of the vent should be uniform.

Venting Methods

This canopy hood is factory set for venting through the roof or wall. A 6" (15.2 cm) round vent system is needed for installation (not included). The hood exhaust opening is 6" (15.2 cm) round.

NOTE

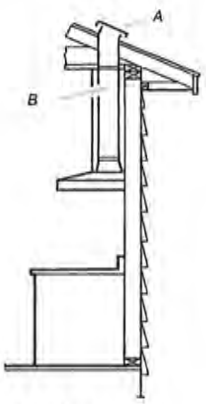
Flexible vent is not recommended. Flexible vent creates back pressure and air turbulence that greatly reduce performance. The vent system can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

Mounting Height

Select a mounting height between a minimum of 24" (61 cm) for an electric cooking surface, a minimum of 30" (76.2 cm) for a gas cooking surface, and a suggested maximum of 36" (91.4 cm) above the range to the bottom of the hood.

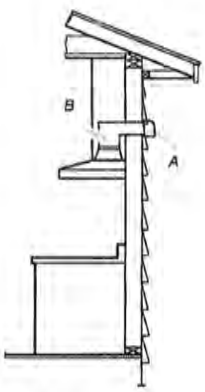
Rear discharge
A 90° elbow may be installed immediately above the hood.

Roof Venting



A. Roof cap
B. 6" (15.2 cm) round vent

Wall Venting



A. Wall cap
B. 6" (15.2 cm) round vent

Installation Requirements

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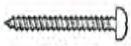
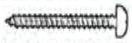
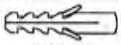
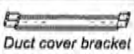
Tools and Parts

Parts supplied
Removing the packaging

⚠ CAUTION
Remove the carton carefully. Wear gloves to protect against sharp edges.

⚠ WARNING
Remove the protective film covering the product before putting into operation.

- Hood canopy assembly with blower and LED lamps already installed.
- 6" (15.2 cm) round air transition
- Duct covers
- Hardware bag with:

Part	Qty	Part	Qty
 5x45 mm	6	 5.4x75 mm screws (for 10x60 mm wall anchors)	4
 8x40 mm	2	Torx 10 adapter	1
3.5x9.5 mm	2	 Duct cover bracket	1
4x8 mm	4	Mounting template	1
10 x 60 mm	4		

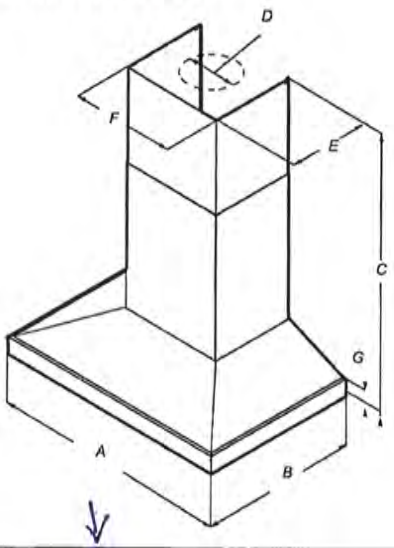
Tools/Materials required

- Level
- Drill with 1¼" (3.2 cm), ⅛" (3.2 mm), and 1/16" (4,8 mm) drill bits
- Pencil
- Wire stripper or utility knife
- Tape measure or ruler
- Pliers
- Caulking gun and weatherproof caulking compound
- Vent clamps
- Jigsaw or keyhole saw
- Flat-blade screwdriver
- Metal snips
- Phillips & Torx 20 screwdriver

Parts needed

- Home power supply cable
- ½" (12.7 mm) UL listed or CSA approved strain relief
- 3 UL listed wire connectors
- 1 wall or roof cap
- Metal vent system

Dimensions and Clearances



	NK30K7000WS NK30K7000WG	NK36K7000WS NK36K7000WG
A	* 30" (76 cm)	36" (91.2 cm)
B	19 1/16" (50 cm)	
C*	max. 39 3/64" (100.3 cm) min. 25 25/64" (64.5 cm)	
D	6" (15.24 cm)	
E	10 1/32" (26.9 cm)	
F	13 5/64" (33.2 cm)	
G	2 23/64" (6 cm)	

*For vented installations

Dishwasher

Installation manual

DW80R9950* Series

DV

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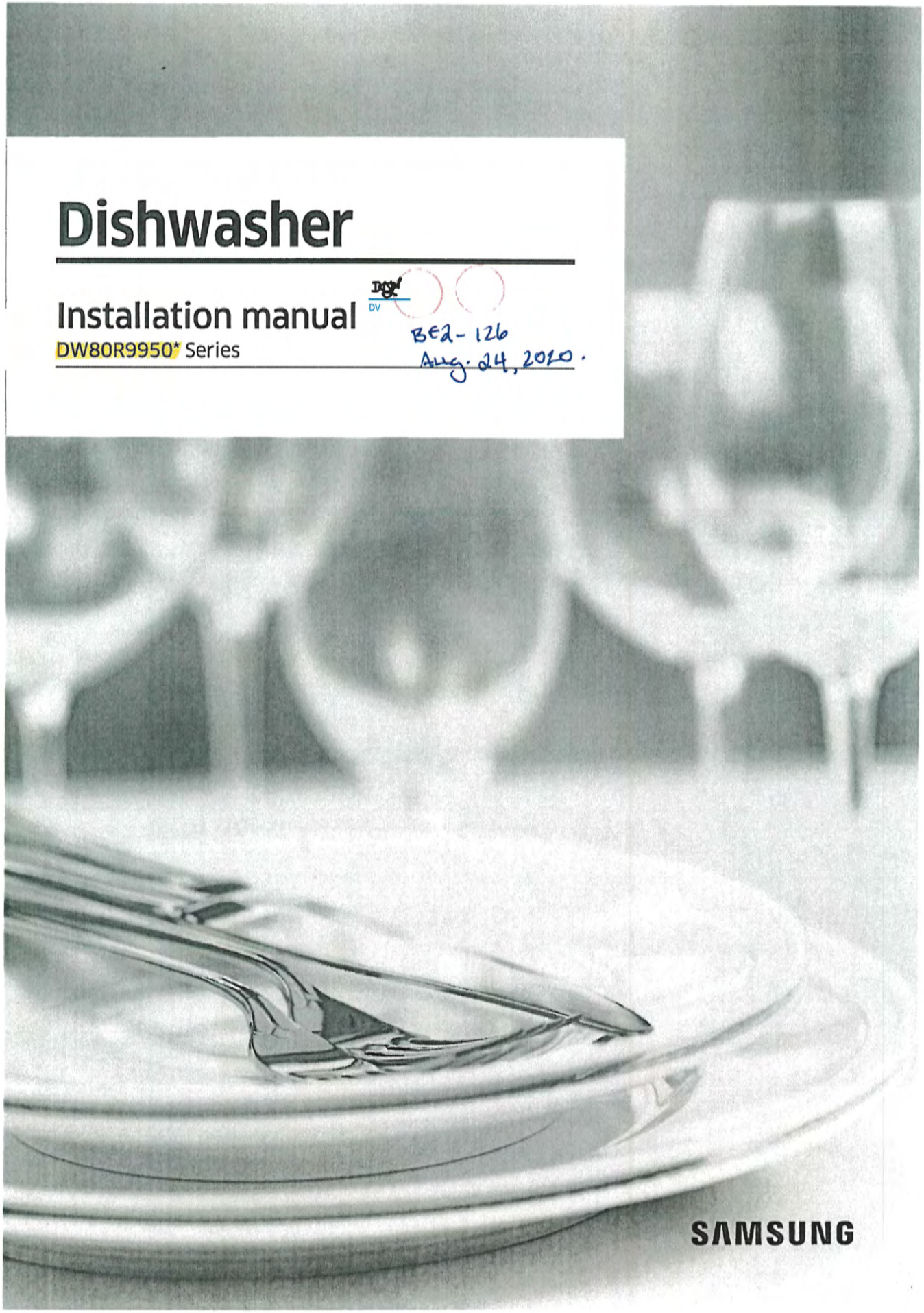

SAMSUNG

DW80R9950UG Dishwasher with AquaBlast™ Technology

BE2-126
Aug 24, 2020.

DW80R9950UG Dishwasher with AquaBlast™ Technology

DW80R9950UG/AC

4.7 (232) Write a review

- Spotless cleaning
- Remove stubborn food
- Auto opens to dry

ZOOM IN

WHERE TO BUY

AquaBlast™ Technology

ZoneBooster™ Technology

SmartThings (Bixby)

15P/S

Capacity (Place Setting)

Spotless cleaning

AquaBlast™ Technology

Wash off stubborn leftover food and sticky residue without pre-rinsing. AquaBlast™ jets provide corner to corner coverage for superb cleaning.

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Installation

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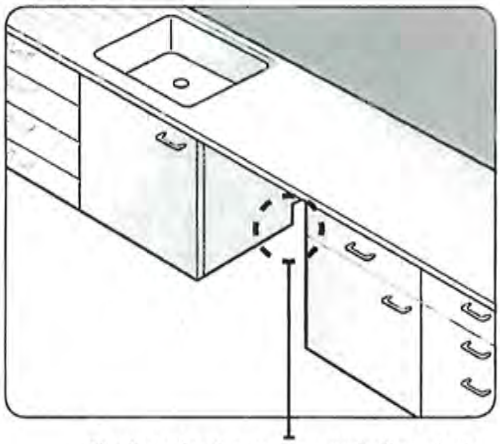
If this is a new installation, follow these steps:

1. Using a 2½ inch hole saw, cut a hole into the side of the cabinet that holds the sink as shown in **Figure 1-1** below.
2. If the base inside the sink cabinet is raised above the kitchen floor and is higher than the connections on the dishwasher, make a hole in the base inside the cabinet and in the cabinet side as shown in **Figure 1-2**.

NOTE

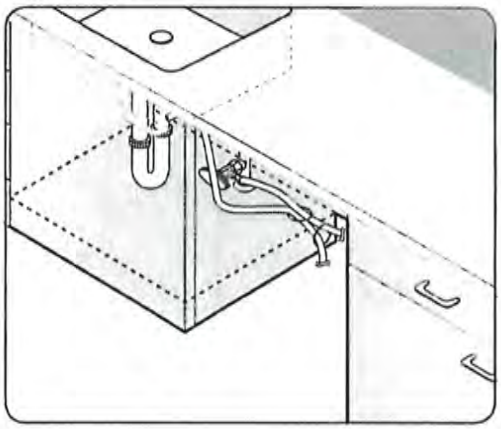
Depending on where your electrical outlet is, you may need to cut a hole in the opposite cabinet side.

Figure 1-1



The hole for the water supply line, drain hose and power cables.

Figure 1-2



CAUTION

Make sure the cabinet hole is smoothened before you insert the drain hose through the hole. A sharp edge of the cabinet hole may cause damage to the drain hose, resulting in a leak of the hose.

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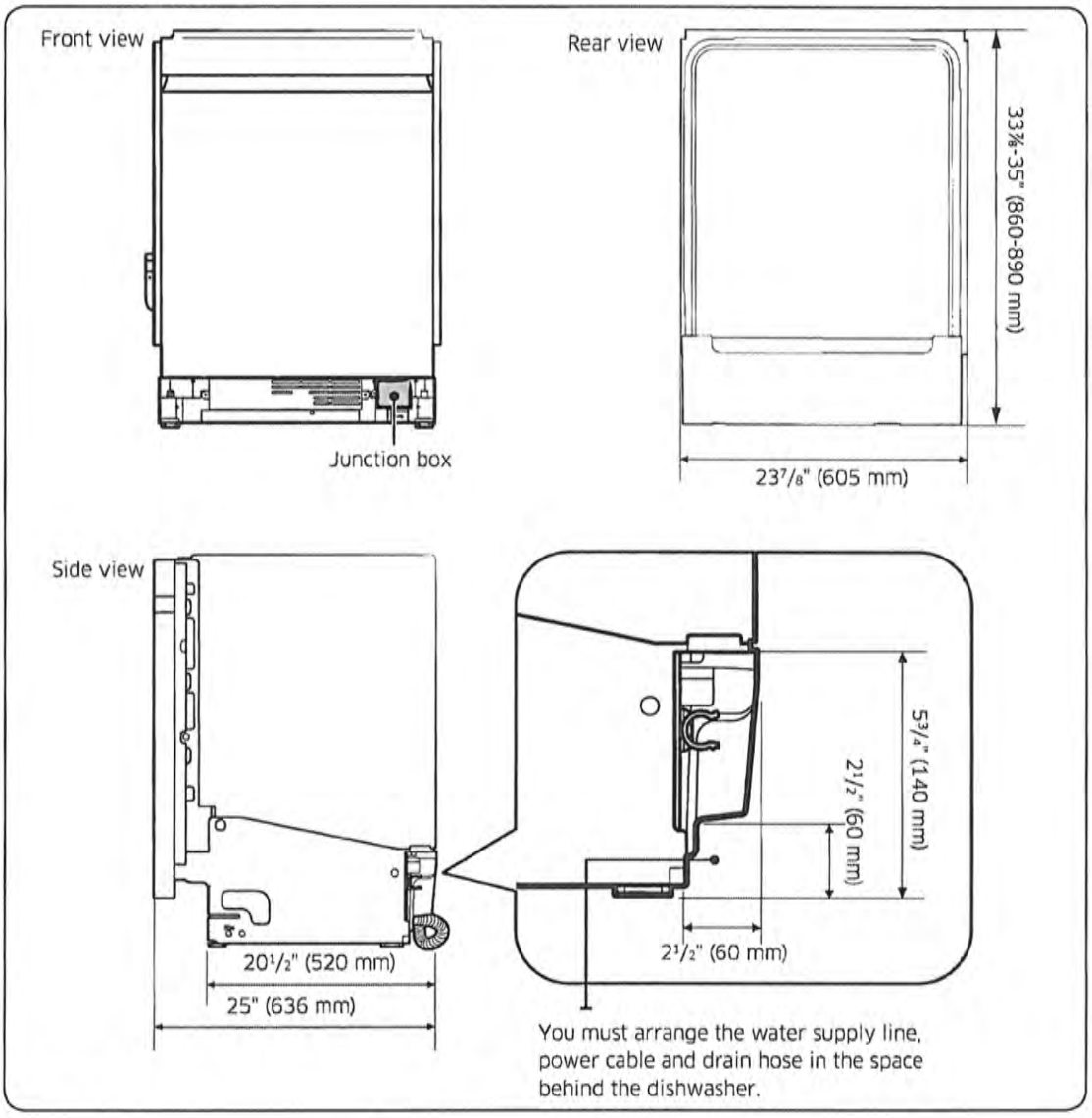
Product dimensions



Installation

DV

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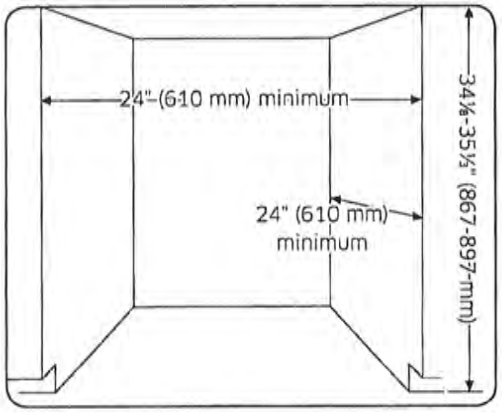
Cabinet dimensions



NOTE

This dishwasher is designed to be enclosed on the top and on both sides by a standard residential kitchen cabinet unit.

The installation cabinet must be clean and free of any obstructions.

The cabinet must be at least 24 inches wide, 24 inches deep, and 34 1/8 inches high.

For the front door of the dishwasher to be flush with the leading edge of the counter top, the counter top must be at least 25 inches deep.

I, Dharmendra _____ can confirm the attached 23 pages noting my appliances are all accurate and no changes will be allowed upon signing of this document.

Dharmendra
Dharmendra (Aug 25, 2020 22:19 EDT)