



Refrigerator

User manual

36"

Free Standing Appliance



Lot 43

Q Q

Mar. 27, 24



SAMSUNG

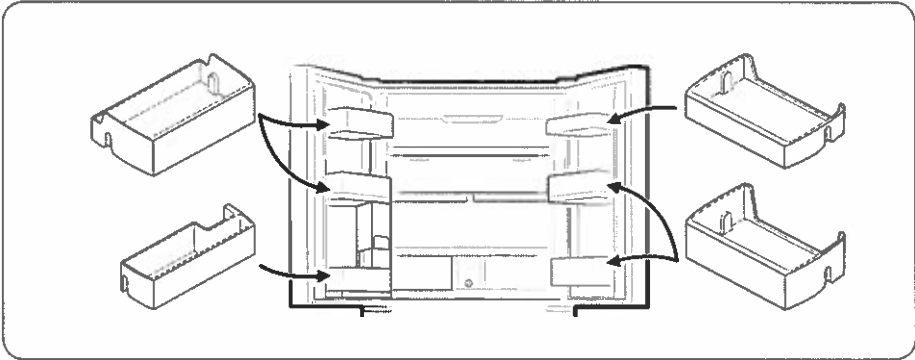
Installation

Door bins

Your refrigerator ships with door bins of different types and sizes. If the door bins for your refrigerator were packaged separately, use the figure below to help you position the bins properly.

NOTE

The actual refrigerator and provided component parts of your refrigerator may differ from the illustrations in this manual, depending on the model and the country.

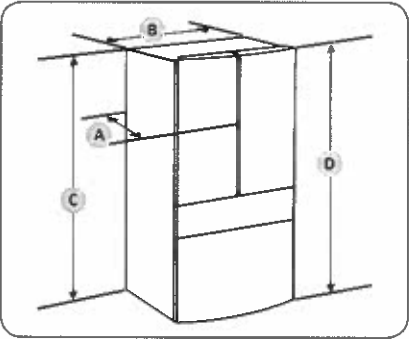


Step-by-step installation

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 following figures and tables for installation space requirements.



Model	RF23BB8****	RF29BB8****
A	28 5/8" (730 mm)	34 1/4" (868 mm)
B	35 7/8" (908 mm)	
C	68 7/8" (1749 mm)	
D	70" (1778 mm)	

Lot 43

A

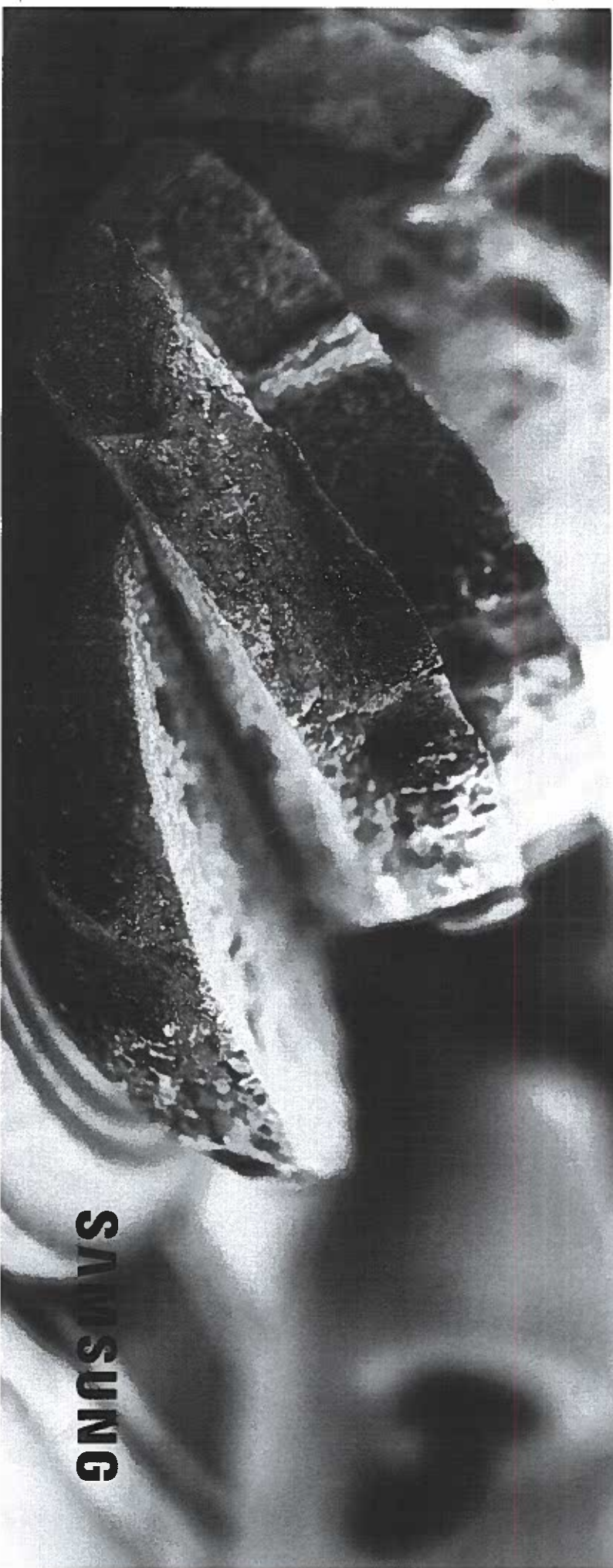
A

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Gas Cooktop

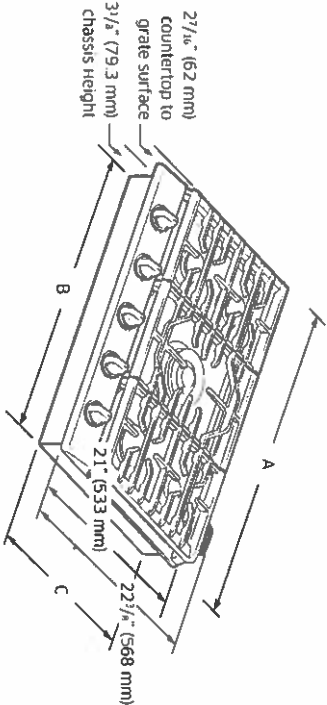
Installation manual

NA30N6555T*/NA30N7755T*
NA36N6555T*/NA36N7755T*



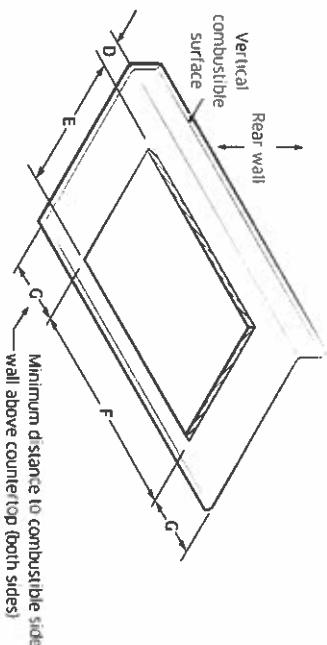
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Overall cooktop dimensions



Model	A	B	C
NA30N6555T*	30"	28 1/8"	19 3/8"
NA30N7755T*	(762 mm)	(715 mm)	(492.1 mm)
NA36N6555T*	36"	33 11/16"	18 7/8"
NA36N7755T*	(914.4 mm)	(855 mm)	(479 mm)

Cutout dimensions of countertop

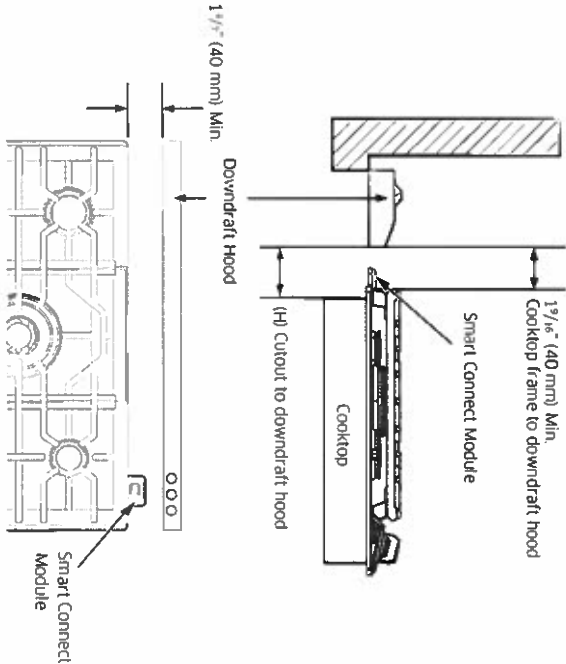


Model	(D) Min.	(E) Min.	(F) Min.	(G) Min.
NA30N6555T*	27 1/8"	19 5/8"	28 1/2"	12"
NA30N7755T*	(73 mm)	(498.5 mm)	(723.9 mm)	(304.8 mm)
NA36N6555T*	33 3/8"	19 1/8"	33 7/8"	12"
NA36N7755T*	(85.7 mm)	(485.8 mm)	(860.4 mm)	(304.8 mm)

Installation dimensions with downdraft hood

NOTE

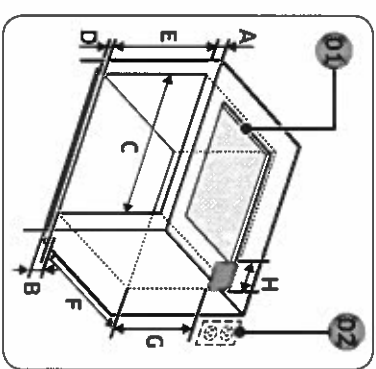
- Make sure the clearance dimensions when you install the cooktop with downdraft hood.
- The cooktop can be installed after detaching Smart Connect module. Please refer to the instruction how to detach Smart Connect module on page 15.



Model	(H) Min.
NA30N6555T*	27 1/16\" (62 mm)
NA30N7755T*	
NA36N6555T*	3\" (76 mm)
NA36N7755T*	

Installation requirements

Single Oven Under counter

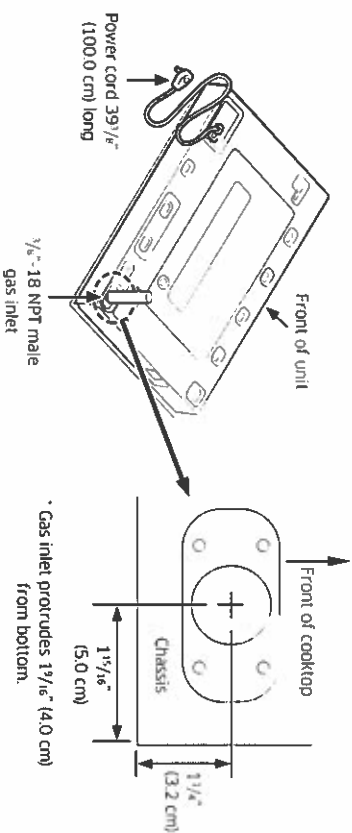


- 01** This cooktop can be installed above any Samsung single built-in oven. Refer to installation manual of oven.
- 02** Gas and Electrical Connections for Gas Cooktop Must be Located in an Adjacent Accessible Location to the Right.

Size	
A	Min. 39 7/8" (9.5 cm)
B	4" (10.1 cm)
C	Min. 28 1/2" / Max. 28 5/8" (Min. 72.4 cm / Max. 72.7 cm)
D	Min. 1 7/8" / Max. 1 1/4" (Min. 2.5 cm / Max. 3.2 cm)
E	Min. 27 1/2" / Max. 27 3/8" (Min. 69.2 cm / Max. 69.5 cm)
F	24" (61 cm)
G	Min. 22" (Min 55.9 cm)
H	Max. 9 1/2" (Max. 24.1 cm) – Junction Box

Installation requirements

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.

The pressure regulator located at the inlet of the cooktop manifold must remain in the supply line regardless of whether natural or LP gas is being used.

NOTE

- The cooktop comes from the factory with a regulator in the shipping carton. Use only the regulator provided. The regulator must be installed in the gas line that runs from the cooktop gas inlet to the gas shut off valve.
- An external manual shut-off valve must be installed between the gas inlet and the cooktop for the purpose of turning on or shutting off gas to the appliance.
- Be sure the connectors are installed when you need coupling by a qualified installer.
- Never reuse old connectors when installing the cooktop. The use of old connectors can cause gas leaks and personal injury. Always use new flexible connectors when installing a gas appliance.

Special gas requirements (gas models sold in Massachusetts)

COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS:

⚠ WARNING

- Gas leaks may occur in your system, creating a dangerous situation.
- Gas leaks may not be detected by smell alone.
 - Gas suppliers recommend you purchase and install a UL-approved gas detector
- Gas detector should be installed in accordance with the manufacturers instructions.
- Cooktop must be installed by a qualified plumber or gas fitter by the State of Massachusetts.
 - A T-handle manual gas valve **MUST** be installed in the gas supply line to your cooktop.
 - If a flexible gas connector is used to install your cooktop, multiple flexible gas lines must not be connected in series.

Electrical requirements

⚠ WARNING

- It is the owner's responsibility to make sure that the electrical service meets electrical requirements and that he electrical outlet has been properly installed by a licensed electrician.
- To reduce the risk of fire, electric shock, or personal injury:

All cooktops

- Do not use an extension cord or adapter plug with this cooktop.
- This cooktop must be properly grounded.
- Check with a qualified electrician if you are in doubt as to whether your cooktop is properly grounded.
- Do not modify the plug provided with your cooktop – if it doesn't fit the outlet, have a proper outlet installed by a qualified electrician.
- All wiring and grounding must be done in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA No. 70 – Latest Revision (for the U.S.) or the Canadian Electrical Code CSA C22.1 – Latest Revisions and local codes and ordinances.
- Wiring diagram is located on the inside of the burner box.
- This cooktop is equipped with an electronic ignition system that will not operate if plugged into an outlet that is not properly polarized.

Gas cooktops

- All gas models are equipped with a power cord with an equipment-grounding conductor and a grounding plug.
- A 120-Volt, 60-Hz, AC, approved electrical service with 20-amp circuit breaker or time-delay fuse is required for all U.S. and Canadian models

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Range Hood

Installation manual

NK30CB700W** / NK36CB700W** / NK30CB600W** / NK36CB600W**

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Important Safety Instructions

Installation Requirements

Venting Methods

To use the hood's top outlet to vent your hood, a 6" (15.2 cm) round vent system is required. To use the hood's rear outlet, a 3 1/4" x 10" (8.25 x 25.4 cm) rectangular vent system is required. Neither of these vent systems are included and must be purchased separately.

NOTE

Flexible vents are not recommended. Flexible vents create back pressure and air turbulence that greatly reduces performance. The vent system can terminate either through the roof or a 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 27" (68.6 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

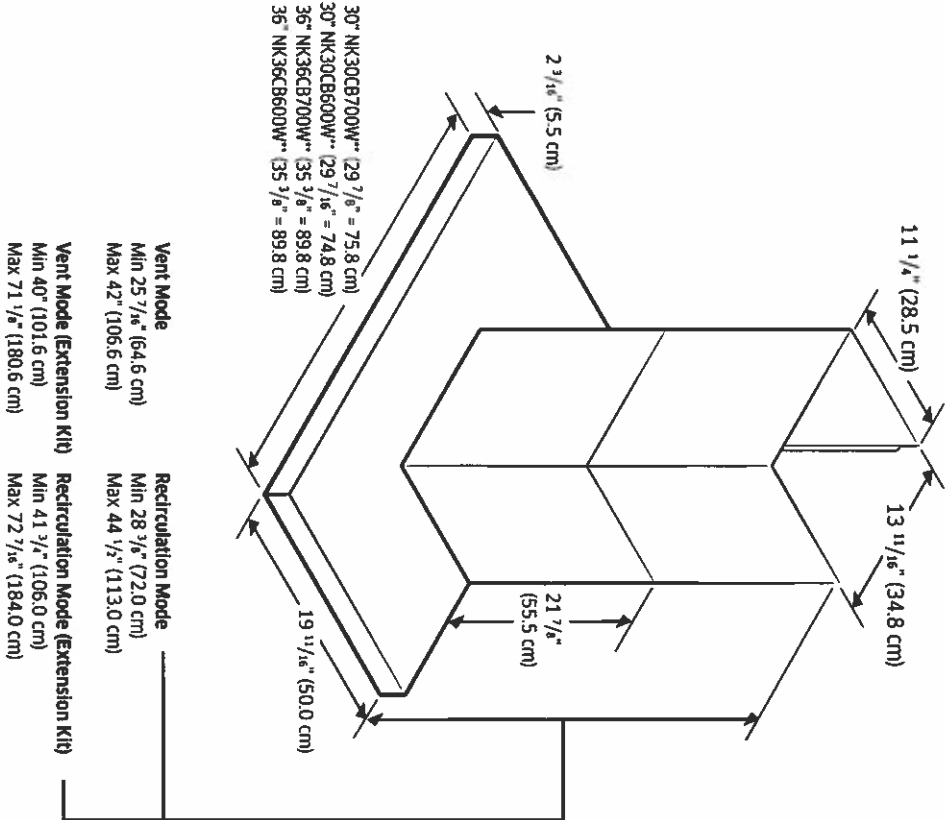
A 90 ° elbow may be installed immediately above the hood.

For Non-Vented (recirculating) Installations

If it is not possible to vent cooking fumes and vapors to the outside, the hood can be used in the non-vented (recirculating) version, fitting a charcoal filter and a plastic grid. Fumes and vapors are recycled through the recirculation grid.

Installation Requirements

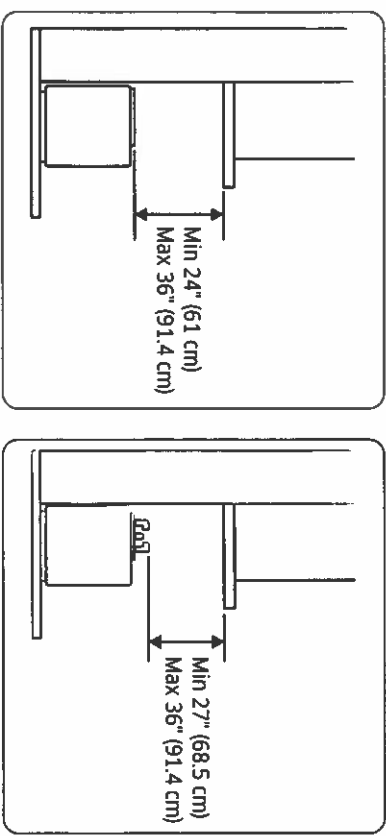
General Specifications



Mounting Height

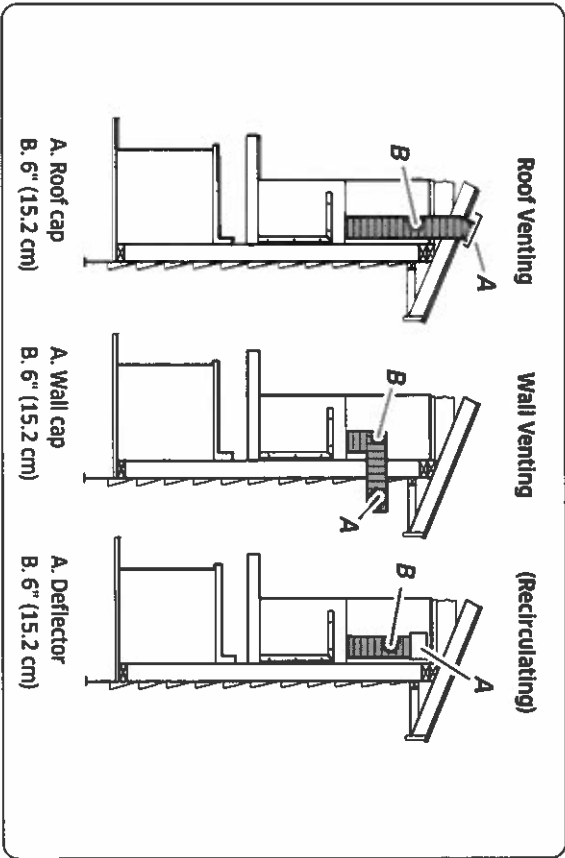
⚠ CAUTION

- Be sure to check the mounting height before installing the product.
- The mounting height is measured from the top of the range to the upper cabinets. The mounting height for an electric cooking surface is measured from its glass cooktop as shown in the image on the left. For a gas cooking surface, the mounting height is measured from the top of the burning grates as shown in the image on the right.



Venting Methods

Smoke is exhausted to the outside through a special pipe connected to the hood.



⚠ CAUTION

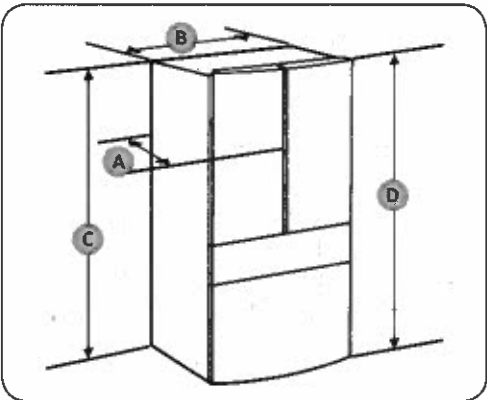
- The minimum connectable exhaust outlet diameter is 6" (15.2 cm).
- Ensure the exhaust outlet diameter and duct diameter match, and then connect the duct to the wall outlet.
- If the duct and the wall outlet have different diameters, the suction performance will decrease while also significantly increasing noise. The manufacturer is not responsible for any problems caused by this.
- Use the minimum possible length for the duct, and do not significantly alter the cross-section.
- When connecting the duct, minimize bending. (Max bending angle: 90°)
- In an environment where installing with an external venting method is possible, be sure to install only using the external venting method.

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 following figures and tables for installation space requirements.



Model	RF23BB8****	RF29BB8****
A	28 5/8" (730 mm)	34 1/4" (868 mm)
B	35 5/8" (908 mm)	
C	68 7/8" (1749 mm)	
D	70" (1778 mm)	

Lot 43

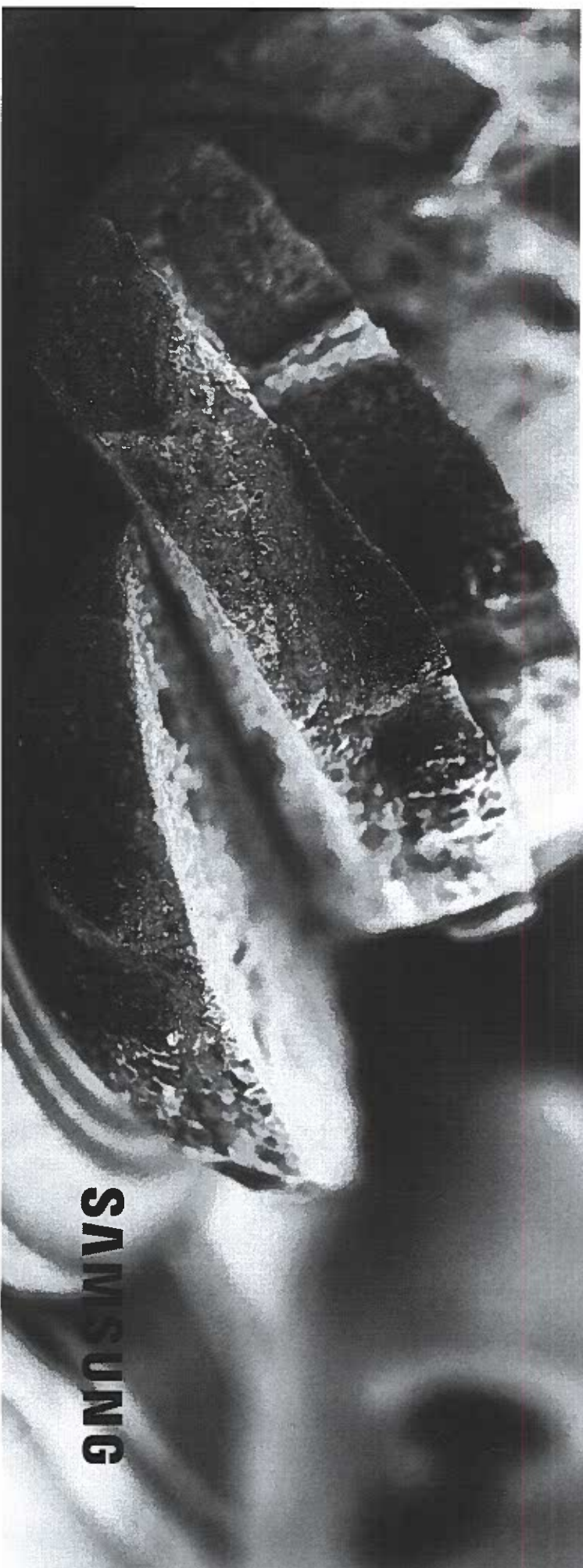


Apr. 27, 24

Built-In Microwave Combination Oven

Installation manual

NQ70**700D**AA/NQ70**600D**AA



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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

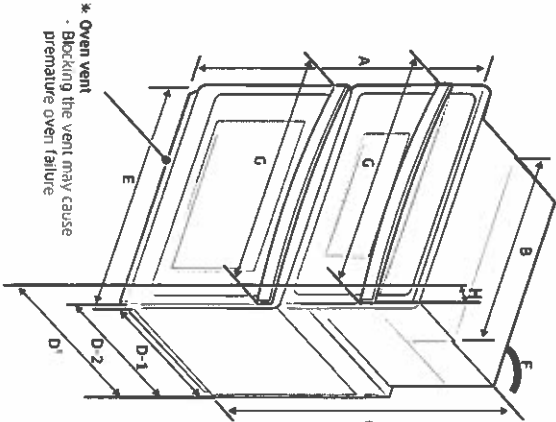
For under counter installation, it is recommended that the junction box be located in the adjacent right or left cabinet. If you are installing the junction box on rear wall behind oven, it is recommended that the junction box be recessed and located in the upper Right of the cabinet.

- 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 at least 249.1 lb (113 kg) (NQ70"600D"AA) / 260.1 lb (118 kg) (NQ70"700D"AA) (exclude accessories)

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	43 1/4" (109.9 cm)
B	28 1/2" (72.4 cm)
C	42" (106.5 cm)
D	26 5/8" (67.6 cm)
D-1	23 1/8" (58.7 cm)
D-2	24 3/8" (62.0 cm)
E	29 3/4" (75.6 cm)
F	67" (170 cm)
G	27 15/16" (70.9 cm)
H	21/4" (5.6 cm)

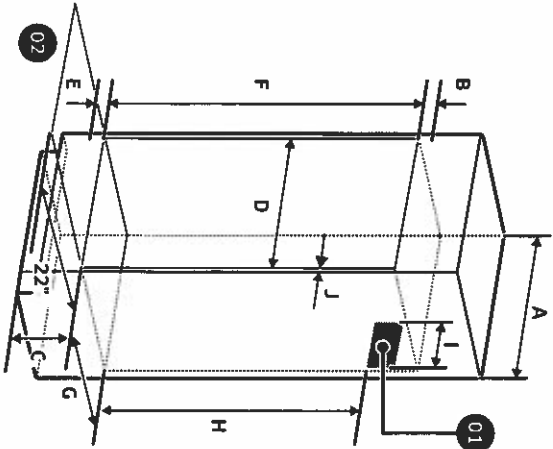
*Not for NQ70"700D"AA lower oven door

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. 13 ¹ / ₁₆ " (3.0 cm)
C	12" (30.5 cm)
D	Min. 28 ¹ / ₂ " / Max. 28 ³ / 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 / ₂ " (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. 1 ¹ / 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. O-M91-latest edition, and all local codes and ordinances. A copy of the above code standards can be obtained from:

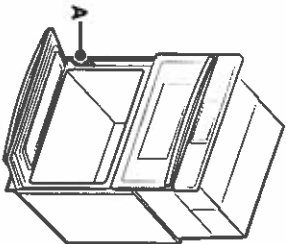
National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471

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

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 NQ70**600D**AA, and NQ70**700D**AA refer to the following table.

Model	240 VAC	208 VAC
	KW	KW
NQ70**600D**AA	8.2	6.2
NQ70**700D**AA	9.5	7.2