



## KitchenAid® 30-Inch 4-Element Electric Downdraft Front Control Range

KSEG950ESS

### Available Finishes/Colours

KSEG950ESS  
Stainless Steel

This all-in-one eclectic range includes Downdraft, which integrates the ventilation system so a separate hood is not needed. Smoke and odours can be removed outside or filtered air can be recirculated inside. This range helps you achieve flawless cooking results thanks to Even-Heat™ True Convection. The unique bow-tie design and convection fan ensure the entire oven is heated perfectly. It also has a Steam Rack that offers the ability to add moisture to the oven and enhances cooking results.

### Top Features

**Downdraft**

**Even-Heat™ True Convection**

**Steam Rack**

Dimensions		Details	
Depth	28.88	Convection Element Type	Fan
Height	36.0	Oven Cleaning Type	AquaLift® Self-Clean
Width	29.88	Broiler Location	Top of Oven
Details		Broiler Element Power	4000W
Convection Element Power Watts	3200	Bake Element Power	3600W
Number Of Rack Guides	7	Oven Control Type	Electronic Touch
Number Of Oven Racks	3	Oven Cooking System	Convection
Number Of Oven Lights	2	Oven Interior Depth In Inches	20.63
Interior Color	Grey	Oven Interior Width In Inches	24.13
Hidden Bake Element	Yes		
Cooktop Surface Material	Ceramic Glass		
Convection Functions	Bake; Broil; Roast		

PRODUCT MODEL NUMBERS

KSDG950E      KSEG950E

GAS SUPPLY REQUIREMENTS

Observe all governing codes and ordinances.

**IMPORTANT:** This installation must conform with all local codes and ordinances. In the absence of local codes, installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 – latest edition or CAN/CGA B149 – latest edition.

**IMPORTANT:** Leak testing of the range must be conducted according to the manufacturer’s instructions.

Type of Gas:

Natural Gas:

- This range is factory-set for use with Natural gas. See “Gas Conversions” section. The model/serial/rating plate located on the oven frame behind the top right-hand side of the oven door has information on the types of gas that can be used. If the types of gas listed do not include the type of gas available, check with the local gas supplier.

LP Gas Conversion:

Conversion must be done by a qualified service technician. No attempt shall be made to convert the appliance from the gas specified on the model/serial/rating plate for use with a different gas without consulting the serving gas supplier. See “Gas Conversions” section.

Gas Supply Line

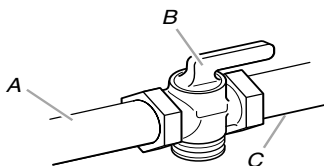
- Provide a gas supply line of 3/4" (1.9 cm) rigid pipe to the range location. A smaller size pipe on longer runs may result in insufficient gas supply. With LP gas, piping or tubing size can be 1/2" (1.3 cm) minimum. Usually, LP gas suppliers determine the size and materials used in the system. **NOTE:** Pipe-joint compounds that resist the action of LP gas must be used. Do not use TEFLON®† tape.

Flexible metal appliance connector:

- If local codes permit, a new CSA design-certified, 4 to 5 ft (122 to 152.4 cm) long, 1/2" (1.3 cm) or 3/4" (1.9 cm) I.D. (inside diameter), flexible metal appliance connector may be used for connecting range to the gas supply line.



- A 1/2" (1.3 cm) male pipe thread is needed for connection to the female pipe threads of the inlet to the appliance pressure regulator.
- Do not kink or damage the flexible metal tubing when moving the range.
- Must include a shutoff valve:  
The supply line must be equipped with a manual shutoff valve. This valve should be located in the same room but external to the range opening, such as an adjacent cabinet. It should be in a location that allows ease of opening and closing. Do not block access to shutoff valve. The valve is for turning on or shutting off gas to the range.

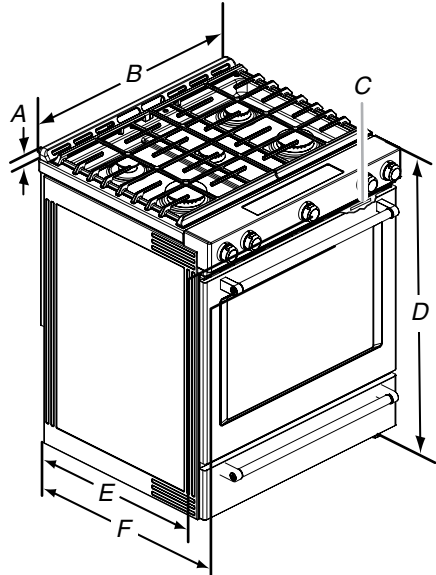


A. Gas supply line  
B. Shutoff valve “open” position  
C. To range

†TEFLON is a registered trademark of E.I. Du Point De Nemours and Company.

PRODUCT DIMENSIONS

This manual covers several models. Your model may appear different from the models depicted. Dimensions given are maximum dimensions across all models.



- A. 1 3/16" (3.0 cm) height from cooktop to top of vent
- B. 29 7/8" (75.9 cm)
- C. Model/serial/rating plate (located behind the oven door on the top right-hand side of the oven frame)
- D. 36" (91.4 cm) height to top of cooktop edge with leveling legs screwed in all the way\*
- E. 28 5/16" (71.9 cm) max. depth from front of console to back of range
- F. 28 7/8" (73.3 cm) max. depth from handle to back of range

**IMPORTANT:** Range must be level after installation. Follow the instructions in the “Level Range” section. Using the cooktop as a reference for leveling the range is not recommended.

\* Range can be raised approximately 1" (2.5 cm) by adjusting the leveling legs.

ELECTRICAL REQUIREMENTS

It is recommended that all electrical connections be made by a licensed, qualified electrical installer.

- Range 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 on the right vertical surface of the oven door frame. Refer to the illustrations in the “Product Dimensions” section of the “Location Requirements” section.
- This range is manufactured with a 4-wire power supply cord rated at 240 volts, 40 amps, rated at 194°F (90°C) and investigated for use with this range.

Range Rating*		Specified Rating of Power Supply Cord Kit and Curcuit Protection	
120/240 Volts	120/208 Volts	Amps	Temp Rating
8.8 – 16.5 KW	7.8 – 12.5 KW	40 or 50	194°F (90°C)
16.6 – 22.5 KW	12.6 – 18.5 KW	50	194°F (90°C)

\* The NEC calculated load is less than the total connected load listed on the model/serial/rating plate.

## ELECTRICAL REQUIREMENTS (cont.)

- When a 4-wire, single phase 240 volt, 60 Hz., AC only electrical supply is available, a 40-amp minimum circuit protection is required on 30" (76.2 cm) ranges, fused on both sides of the line.
- A time-delay fuse or circuit breaker is recommended.

## CABINET OPENING DIMENSIONS

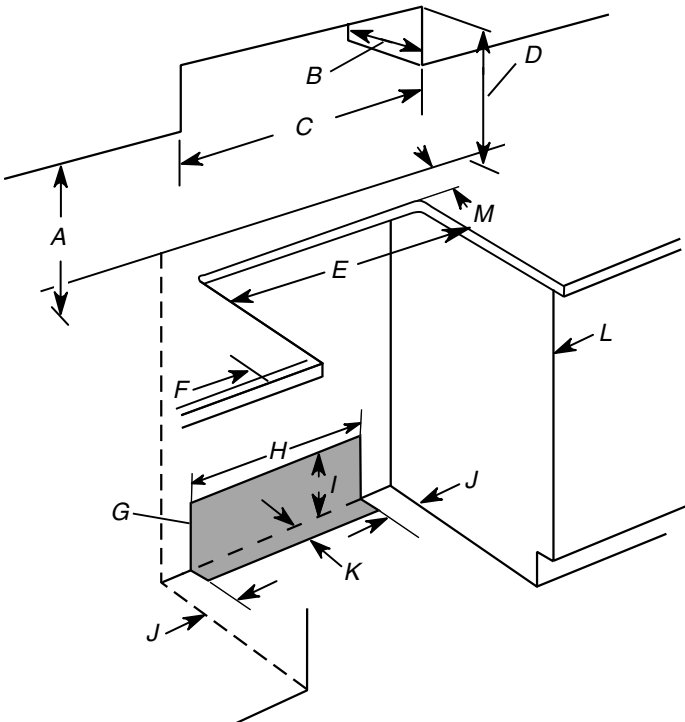
Cabinet opening dimensions shown are for 25" (64.0 cm) countertop depth, 24" (61.0 cm) base cabinet depth and 36" (91.4 cm) countertop height.

**IMPORTANT:** If installing a range hood or microwave hood combination above the range, follow the range hood or microwave hood combination installation instructions for dimensional clearances above the cooktop surface.

Range may be installed next to combustible walls with zero clearance.

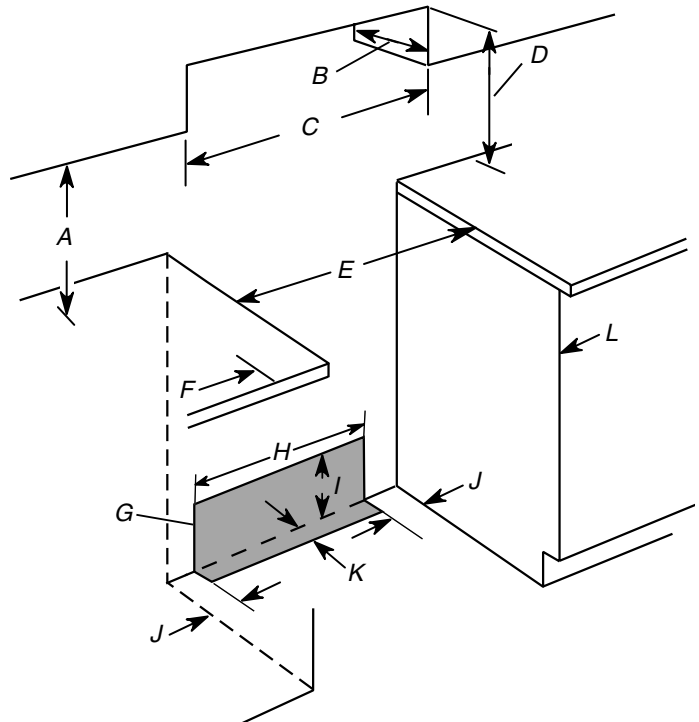
**NOTE:** When installed in a slide-in cutout, the front of oven door may protrude beyond the base cabinet.

### Slide-in Cutout



- A. 18" (45.7 cm) upper side cabinet to countertop
- B. 13" (33 cm) max. upper cabinet depth
- C. 30" (76.2 cm) min. opening width
- D. For minimum clearance to top of cooktop, see NOTE\*.
- E. 30" (76.2 cm) min. opening width
- F. 3" (7.6 cm) min. clearance from both sides of range to side wall or other combustible material
- G. The shaded area is recommended for installation of rigid gas pipe and grounded outlet.
- H. 20<sup>3</sup>/<sub>8</sub>" (51.8 cm)
- I. 7<sup>1</sup>/<sub>16</sub>" (19.5 cm)
- J. 4<sup>13</sup>/<sub>16</sub>" (12.2 cm)
- K. 3<sup>1</sup>/<sub>16</sub>" (9.4 cm) plus measurement of M
- L. Cabinet door or hinges should not extend into the cutout.
- M. Remaining counter depth should not exceed 2<sup>1</sup>/<sub>4</sub>" (5.7 cm).

### Freestanding Cutout



- A. 18" (45.7 cm) upper side cabinet to countertop
- B. 13" (33 cm) max. upper cabinet depth
- C. 30" (76.2 cm) min. opening width
- D. For minimum clearance to top of cooktop, see NOTE\*.
- E. 30" (76.2 cm) min. opening width
- F. 3" (7.6 cm) min. clearance from both sides of range to side wall or other combustible material
- G. The shaded area is recommended for installation of rigid gas pipe and grounded outlet.
- H. 20<sup>3</sup>/<sub>8</sub>" (51.8 cm)
- I. 7<sup>1</sup>/<sub>16</sub>" (19.5 cm)
- J. 4<sup>13</sup>/<sub>16</sub>" (12.2 cm)
- K. 3<sup>1</sup>/<sub>16</sub>" (9.4 cm)
- L. Cabinet door or hinges should not extend into the cutout.

\* **NOTE:** 24" (61.0 cm) minimum when bottom of wood or metal cabinet is shielded by not less than 1/4" (0.64 cm) flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" (0.4 mm) stainless steel, 0.024" (0.6 mm) aluminum or 0.020" (0.5 mm) copper. 30" (76.2 cm) minimum clearance between the top of the cooking platform and the bottom of an uncovered wood or metal cabinet.