

KitchenAid® 30" Freestanding and Slide-In Dual Fuel Range

PRODUCT MODEL NUMBERS

KDRS807S KDRS807X KDSS907S KDSS907X

GAS SUPPLY REQUIREMENTS

Natural gas:

This range is design-certified by CSA International for use with Natural gas or, after proper conversion, for use with LP gas.

- This range is factory set for use with Natural gas. See "Gas Conversions" section. The model/serial rating plate located behind the storage drawer on the right-hand side oven door frame 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.

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., flexible metal appliance connector may be used for connecting range to the gas supply line.

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.

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

ELECTRICAL REQUIREMENTS

When a 4-wire or 3-wire, single phase 120/240 volt, 60 Hz, AC only electrical supply is available, a 50-amp maximum circuit protection is required. When a 4-wire or 3-wire single phase 120/208 volt 60 Hz, AC only electrical supply is available, a 40-amp maximum circuit protection is required, fused on both sides of the line. A separate circuit is recommended. A time-delay fuse or circuit breaker is recommended.

This range is manufactured with the neutral terminal connected to the cabinet. Use a 3-wire UL listed, 40- or 50-amp power supply cord (pigtail) (see following Range Rating chart). If local codes do not permit ground through the neutral, use a 4-wire power supply cord rated at 250 volts, 40 or 50 amps and investigated for use with ranges.

Range Rating*		Specified Rating of Power Supply Cord Kit and Circuit Protection
120/240 Volts	120/208 Volts	Amps
8.8 - 16.5 KW	7.8 - 12.5 KW	40 or 50**
16.6 - 22.5 KW	12.6 - 18.5 KW	50

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

** If connecting to a 50-amp circuit, use a 50-amp rated cord with kit. For 50-amp rated cord kits, use kits that specify use with a nominal 1 3/8" (34.93 mm) diameter connection opening.

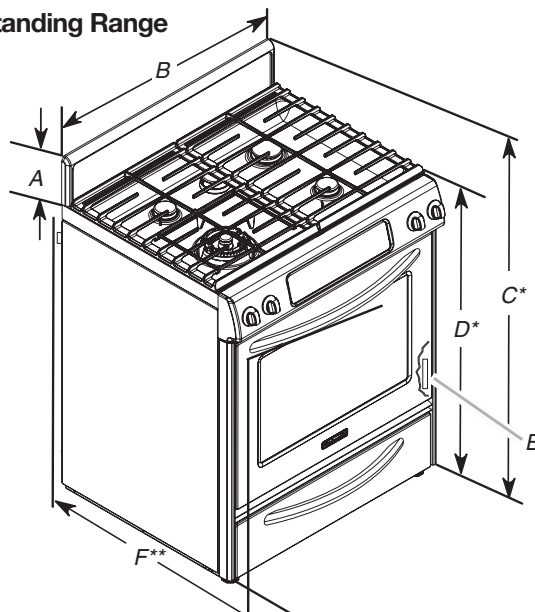
- A circuit breaker is recommended.

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

**When installed in a 24" (61 cm) base cabinet with 25" (63.5 cm) countertop; front of oven door protrudes 1 3/4" (4.4 cm) (2 3/16" [5.5 cm] on models KDRS807XSP and KDSS907XSP) beyond 24" (61.0 cm) base cabinet.

PRODUCT DIMENSIONS

Freestanding Range



A. 5 3/4" (14.6 cm)

B. 30" (76.2 cm)

C. 41 3/4" (106.0 cm) overall height with leveling legs screwed all the way in.*

D. 36" (91.4 cm) cooktop trim height with leveling legs screwed all the way in*

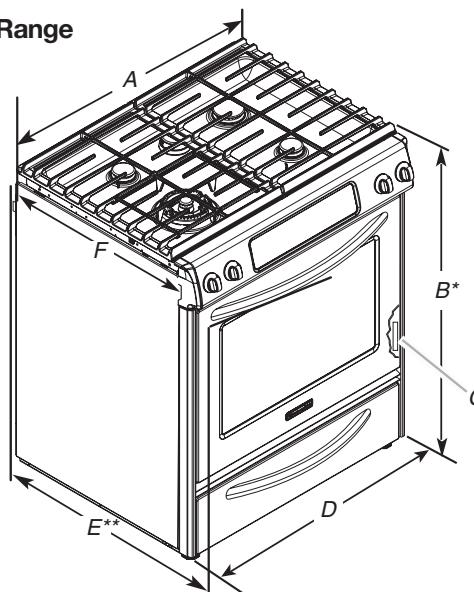
*Range can be raised approximately 1" (2.5 cm) by adjusting the leveling legs.

E. Model/serial number plate (located on the right-hand side oven door trim)

F. 27 1/4" (69.2 cm) max. from handle to standoff at back of range**

**When installed in a 24" (61.0 cm) base cabinet with 25" (63.5 cm) countertop; front of oven door protrudes 1" (2.5 cm) beyond 24" (61.0 cm) base cabinet.

Slide-in Range



A. 30 9/16" (77.6 cm)

B. 35 5/8" (90.5 cm) height to underside of cooktop edge with leveling legs screwed all the way in*

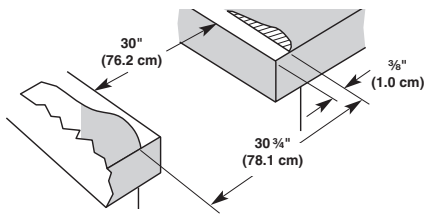
C. Model/serial number plate (located on the right-hand side oven door trim)

D. 30" (76.2 cm)

E. 27 1/4" (69.2 cm) (27 1/16" [70.3 cm] on models KDRS807XSP and KDSS907XSP) from handle to standoff at back of range**

F. 23" (58.4 cm) countertop notch to rear of cooktop

SLIDE-IN COUNTERTOP PREPARATION



The cooktop sides of the slide-in range fit over the cutout edge of your countertop.

If you have a square finish (flat) countertop and the opening width is 30" (76.2 cm), no countertop preparation is required.

Formed front-edged countertops must have molded edge shaved flat $\frac{3}{8}$ " (1.0 cm) from each front corner of opening.

Tile countertops may need trim cut back $\frac{3}{8}$ " (1.0 cm) from each front corner and/or rounded edge flattened.

If countertop opening width is greater than 30" (76.2 cm), adjust the $\frac{3}{8}$ " (1.0 cm) dimension.

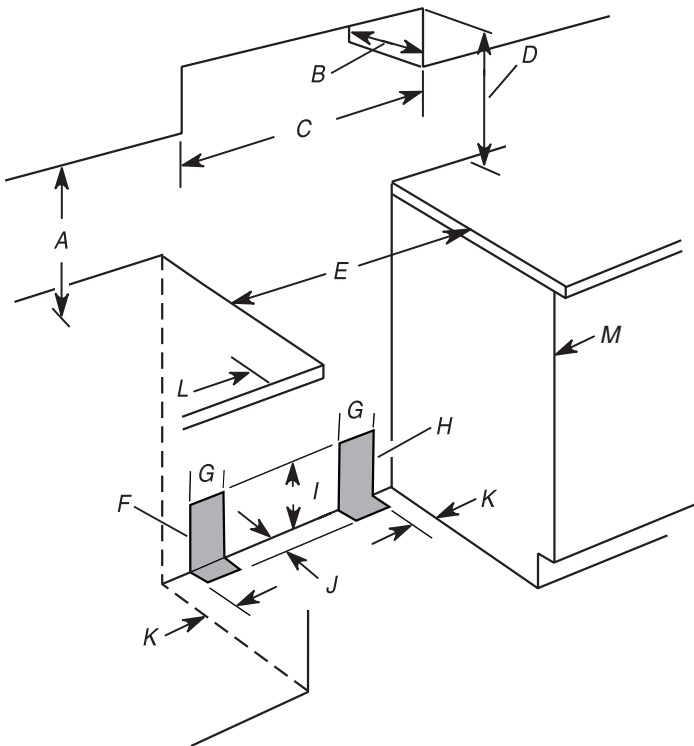
Countertop must be level. Place level on countertop, first side to side; then front to back. If countertop is not level, range will not be level. Range must be level for satisfactory baking conditions.

INSTALLATION CLEARANCES

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.

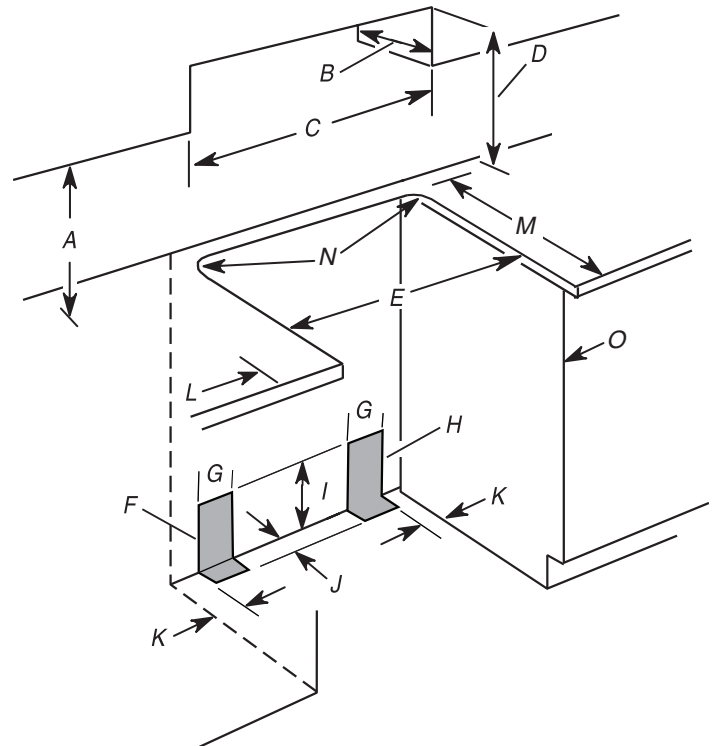
IMPORTANT: If installing a range hood or microwave hood combination above the range, follow the range hood or microwave hood combination installation instructions for dimensional clearances above the cooktop surface.

Freestanding Ranges



- A. 18" (45.7 cm) upper cabinet to countertop
- B. 13" (33.0 cm) upper cabinet depth
- C. 30" (76.2 cm) min. opening width
- D. For minimum clearance to top of the cooktop, see NOTE.
- E. 30" (76.2 cm) min. opening width
- F. This shaded area recommended for installation of rigid gas pipe.
- G. 8" (20.3 cm) available area for gas and electric installation
- H. This shaded area recommended for installation of outlet or junction box.
- I. 7" (17.8 cm)
- J. 1½" (3.8 cm)
- K. 4½" (11.4 cm)
- L. 5" (12.7 cm) min. clearance from both sides of the range to the side wall or other combustible material.
- M. Cabinet door or hinge should not extend into the cutout.

Slide-In Ranges



- A. 18" (45.7 cm) upper cabinet to countertop
- B. 13" (33.0 cm) max. upper cabinet depth
- C. 30" (76.2 cm) min. opening width
- D. For minimum clearance to top of the cooktop, see NOTE.
- E. 30" (76.2 cm) min. opening width
- F. This shaded area recommended for installation of rigid gas pipe.
- G. 6" (15.2 cm) available area for gas and electric installation
- H. This shaded area recommended for installation of outlet or junction box.
- I. 7" (17.8 cm)
- J. 1½" (3.8 cm)
- K. 4½" (11.4 cm)
- L. 5" (12.7 cm) min. clearance from both sides of the range to the side wall or other combustible material.
- M. 22½" (58.3 cm) opening depth
- N. ¾" (1.9 cm) radius both corners
- O. Cabinet door or hinge should not extend into the cutout.

NOTE: 24" (61.0 cm) minimum when bottom of wood or metal cabinet is covered by not less than ¼" (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.