

# KitchenAid® 27" (68.6 cm) and 30" (76.2 cm) Electric Built-In Microwave/Oven Combination

## PRODUCT MODEL NUMBERS

KEMS309E      KOCE500E      KOCE507E

## ELECTRICAL CONNECTION

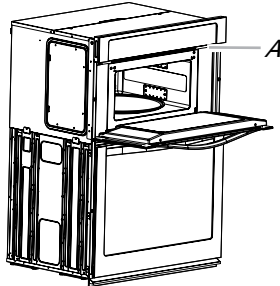
If codes permit and a separate ground wire is used, it is recommended that a qualified electrical installer determine that the ground path and the wire gauge are in accordance with local codes. Check with a qualified electrical installer if you are not sure the oven is properly grounded.

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.

To properly install your oven, you must determine the type of electrical connection you will be using and follow the instructions provided for it here.

- Oven must be connected to the proper electrical voltage and frequency as specified on the model/serial/rating plate. See the following illustration.



A. Model/serial/rating plate

- Models rated from 7.3 to 9.6 kW at 240 volts (5.4 to 7.4 kW at 208 volts) require a separate 40-amp circuit. Models rated at 4.8 kW and below at 240 volts (3.6 kW and below at 208 volts) require a separate 30-amp circuit.
- A circuit breaker is recommended.
- Connect directly to the fused disconnect (or circuit breaker box) through flexible, armored or nonmetallic sheathed, copper cable (with grounding wire). See "Make Electrical Connection" section.
- Flexible conduit from the oven should be connected directly to the junction box.
- 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 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.

For power requirements, refer to the following table.

Model	Voltage	Amperage (L1)*	Amperage (L2)*	Rating (W)
KOCE507E/KOCE500E	120/240	32	30	8000
KOCE507E/KOCE500E	120/208	30	28	6600

\*Amperage values noted above are for information purposes only; the units are rated in watts.

## PRODUCT DIMENSIONS

**27" (68.6 cm) models**

- A. 42<sup>9</sup>/<sub>16</sub>" (108.0 cm) overall height
- B. 25<sup>7</sup>/<sub>16</sub>" (64.6 cm) recessed width
- C. 41" (104.1 cm) recessed height
- D. 23<sup>1</sup>/<sub>4</sub>" (59.1 cm) max. recessed depth
- E. 27" (68.6 cm) overall width
- F. 48" (121.9 cm) flexible conduit length measured from the conduit clamp located at the rear of the oven. Do not remove the conduit clamp.

**30" (76.2 cm) models**

- A. 42<sup>9</sup>/<sub>16</sub>" (108.0 cm) overall height
- B. 28<sup>7</sup>/<sub>16</sub>" (72.3 cm) recessed width
- C. 41" (104.1 cm) recessed height
- D. 23<sup>1</sup>/<sub>4</sub>" (59.1 cm) max. recessed depth
- E. 30" (76.2 cm) overall width
- F. 48" (121.9 cm) flexible conduit length measured from the conduit clamp located at the rear of the oven. Do not remove the conduit clamp.

## Cabinet Dimensions

**27" (68.6 cm) models**

- A. 27" (68.6 cm) min. cabinet width
- B. 1" (2.5 cm) top of cutout to bottom of upper cabinet door
- C. 19<sup>1</sup>/<sub>4</sub>" (48.9 cm) bottom of cutout to floor is recommended. 4"-19<sup>1</sup>/<sub>4</sub>" (10.2-48.9 cm) bottom of cutout to floor is acceptable.
- D. 25<sup>1</sup>/<sub>2</sub>" (64.8 cm) cutout width
- E. 1<sup>1</sup>/<sub>2</sub>" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 41<sup>5</sup>/<sub>16</sub>" (105 cm)\* recommended cutout height
- G. 24" (60.7 cm) cutout depth

**30" (76.2 cm) models**

- A. 30" (76.2 cm) min. cabinet width
- B. 1" (2.5 cm) top of cutout to bottom
- C. 19<sup>1</sup>/<sub>4</sub>" (48.9 cm) bottom of cutout to floor is recommended. 4"-19<sup>1</sup>/<sub>4</sub>" (10.2-48.9 cm) bottom of cutout to floor is acceptable.
- D. 28<sup>1</sup>/<sub>2</sub>" (72.4 cm) cutout width
- E. 1<sup>1</sup>/<sub>2</sub>" (3.8 cm) min. bottom of cutout
- F. 41<sup>5</sup>/<sub>16</sub>" (105 cm)\* recommended cutout
- G. 24" (60.7 cm) cutout depth

\* NOTE: The cabinet height can be between 41" (104.1 cm) and 41<sup>1</sup>/<sub>2</sub>" (105.6 cm) for microwave/oven combination.