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

### PRODUCT MODEL NUMBERS

KEMS309F

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.

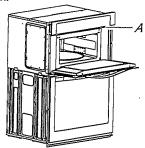
Check with a qualified electrical installer if you are not sure the oven is properly grounded.

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.

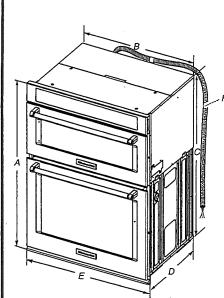
Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

For power requirements, refer to the following table.

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

<sup>\*</sup>Amperage values noted above are for information purposes only: the units are rated in watts.

### PRODUCT DIMENSIONS



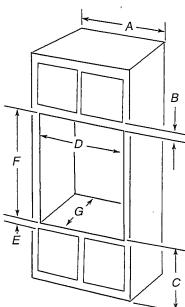
### 27" (68.6 cm) models

- A. 42%16" (108.0 cm) overall
- B. 257/16" (64.6 cm) recessed width
- C. 41" (104.1 cm) recessed heiaht
- D. 231/4" (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%16" (108.0 cm) overall height
- B. 287/16" (72.3 cm) recessed width
- C. 41" (104.1 cm) recessed height
- D. 231/4" (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. 191/4" (48.9 cm) bottom of cutout to floor is recommended. 4"-191/4" (10.2-48.9 cm) bottom
- of cutout to floor is acceptable. D. 251/2" (64.8 cm) cutout width
- E. 1½" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 415/16" (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
- C. 191/4" (48.9 cm) bottom of cutout to floor is recommended. 4"-191/4" (10.2-48.9 cm) bottom of cutout to floor is acceptable.
- D. 281/2" (72.4 cm) cutout width
- E. 11/2" (3.8 cm) min. bottom of cutout
- F. 415/16" (105 cm)\* recommended
- G. 24" (60.7 cm) cutout depth
- \* NOTE: The cabinet height can be between 41" (104.1 cm) and 411/2" (105.6 cm) for microwave/oven combination.

Lot 22 Phl Brook

# 30" (76.2 CM) AND 36" (91.4 CM) GAS BUILT-IN COOKTOP

### PRODUCT MODEL NUMBERS

1/0000====			
KCGS350E	KCGS950E	MGC9530D	WCG75US0D
KCGS356E	KCGS956E	MGC9536D	WCG97US0D
KCGS550E	MGC7430D	WCG51US0D	WCG97US6D
KCGS556E	MGC7536D	WCG51US6D	

### **GAS SUPPLY REQUIREMENTS**

### Type of Gas

Natural Gas:

• This cooktop is factory set for use with Natural gas. If converting to LP gas, see the "LP Gas Conversion" instructions provided in the package containing literature. The model/serial rating plate located on the underside of the cooktop base 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.

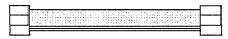
No attempt shall be made to convert the cooktop from the gas specified on the model/serial rating plate for use with a different gas without consulting the serving gas supplier. See the Gas Conversion instructions provided in the package containing literature.

### Gas Supply Line

• Provide a gas supply line of ¾" (1.9 cm) rigid pipe to the cooktop location. A smaller size pipe on longer runs may result in insufficient gas supply. Pipe-joint compounds that resist the action of LP gas must be used. Do not use TEFLON®1 tape. With LP gas, piping or tubing size should be ½" minimum. Usually, LP gas suppliers determine the size and materials used in the system.

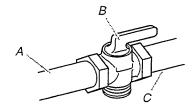
Flexible metal appliance connector:

• If local codes permit, use a ½" or ¾" I.D. flexible stainless steel tubing gas connector, designed by CSA to connect the cooktop to the rigid gas supply line.



- $\bullet$  A ½" male pipe thread is needed for connection to the female pipe threads of the inlet to the cooktop pressure regulator.
- Do not kink or damage the flexible metal tubing when moving the cooktop.

• 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 cooktop opening, such as an adjacent cabinet. It must be accessible without removing the cooktop, and 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



A. Gas supply line

B. Shutoff valve "open" position

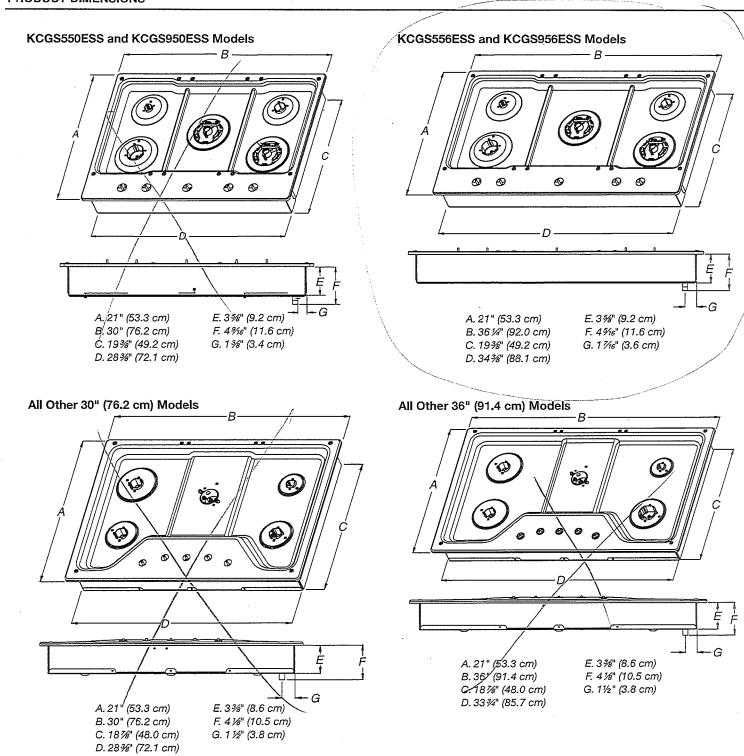
C. To cookton

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

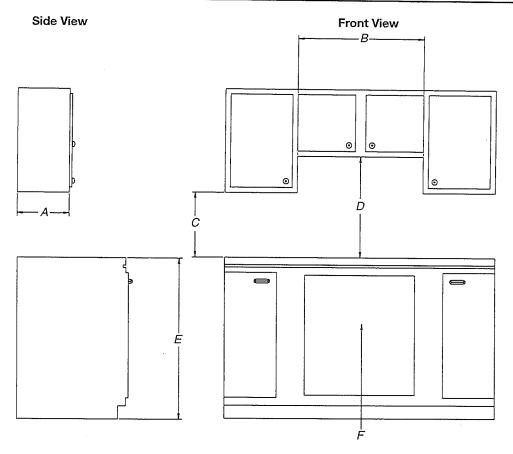
### **ELECTRICAL REQUIREMENTS**

- A 120 volt, 60 Hz, AC only, 15-amp, fused electrical circuit is required. A time-delay fuse or circuit breaker is also recommended. It is recommended that a separate circuit serving only this cooktop be provided.
- Electronic ignition systems operate within wide voltage limits, but proper grounding and polarity are necessary. Check that the outlet provides 120-volt power and is correctly grounded.

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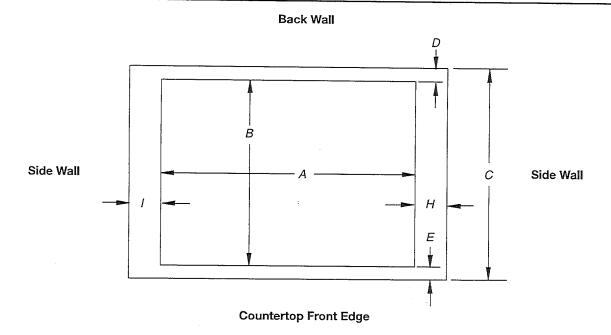
Lot 22 Phil Brook



- A. 13" (33.0 cm) recommended upper cabinet depth.
- A. 13 (33.0 cm) recommended upper cabinet depti B. 30" (76.2 cm) for 30" models; 36" (91.4 cm) for 36" models. C. 18" (45.7 cm) minimum clearance from upper cabinet to countertop within minimum horizontal clearances to co
- clearances to cooktop.

  D. 30" (76.2 cm) minimum clearance between top of cooktop platform and bottom of uncovered wood or metal cabinet. 24" [61 cm] minimum clearance if bottom of wood or metal cabinet is covered by not less than ¼" [0.6 cm] flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" [0.04 cm] stainless steel, or 0.024" [0.06 cm] aluminum or 0.020" [0.05 cm] copper
- E-Gas line opening Wall: anywhere 5" (12.7 cm) below underside of countertop. Cabinet floor: anywhere within 6" (15.2 cm) of rear wall is recommended.

Lot 22 Phl Brook



		Cutout (Product	Opening) Dimensi	ions		
		30" (76:	2-cm) Models			
Models A		В				
	Min	Recommended	Max	Min	Recommended	Max
KCGS550 and KCGS950 All Other 30" (76.2 cm) Models	28½" (72.4 cm) 28½" (72.4 cm)	28%" (73.4 cm) 28%" (73.4 cm)	29 5/16" (74.3 cm) 29 5/16" (74.3 cm)	19½" (49.5 cm) 19" (48.3 cm)	19 ½" (50.2 cm) 19 ½" (49.5 cm)	20" (50.8 cm) 20" (50.8 cm)
		36" (91.	4 cm)Models		,	
KCGS556 and KCGS956 All Other 36" (91.4 cm) Models	34%" (88.4 cm) 33%" (86.0 cm)	35 %s" (89.4 cm) 34 %s" (87.0 cm)	35%" (90.3 cm) 35¼" (89.5 cm)	19½" (49.5 cm) 19" (48.3 cm)	19 ½" (50.2 cm) 19 ½" (49.5 cm)	20" (50.8 cm) 20" (50.8 cm)

Side Walls (Combustible Surfaces)		
Models	H and I	
KCGS5 and KCGS9	H and I added together must be at least 48" (122.0 cm), with each side individually being at least 8" (20.3 cm).	
KCGS350, KCGS356, MGC9536, WCG97US0, WCG97US6	H and I added together must be at least 48" (122.0 cm), with each side individually being at least 12" (30.5 cm).	
All Other Models	Both have to be 8" (20.3 cm) or more.	

	Back Wall and Counter	top Front Dimensions	
Models	С	D	E
KCGS550 and KCGS950	05, (00 t		2¾" (6.9 cm)
All Other Models	25" (63.5 cm)	2 7/8" (7.3 cm)	31/8" (7.9 cm)

**NOTES:** After making the countertop cutout, some installations may require notching down the base cabinet side walls to clear the cooktop base. To avoid this modification, use a base cabinet with sidewalls wider than the cutout.

If cabinet has a drawer, a 4" (10.2 cm) depth clearance from the countertop to the top of the drawer (or other obstruction) in base cabinet is required. The drawer depth may need to be shortened to avoid interfering with the regulator.

**IMPORTANT:** If a built-in wall oven is to be installed below this cooktop, the grounded outlet and gas supply piping must be located in an adjacent cabinet.

This cooktop and its gas and electrical supply sources must be installed before the undercounter built-in wall oven is installed.

Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice.

Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

Ref. W10597144B 8/10/15

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# Kitchen Aid<sup>®</sup>

FOR THE WAY IT'S MADE.

# 30" (72.6 cm) and 36" (91.4 cm) Wall-Mount Canopy Range Hood

### PRODUCT MODEL NUMBERS

KVWB600D

KVWB606D

**Electrical:** A 120 volt, 60 Hz., AC only, 15-amp, fused electrical circuit is required.

### **VENTING METHODS**

This canopy range hood is factory set for venting through the roof or through the 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.

Vent system can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

### 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, using a Recirculation Kit (which includes charcoal filters and a deflector). To order, see the "Assistance or Service" section.

# Roof Venting Wall Venting Non-Vented (Recirculating) A. Roof cap B. 6" (15.2 cm) Non-Vented (Recirculating) A. Diverter B. 6" (15.2 cm) A. Diverter B. 6" (15.2 cm)

### **Calculating Vent System Length**

To calculate the length of the system you need, add the equivalent feet (meters) for each vent piece used in the system.

round vent

round vent

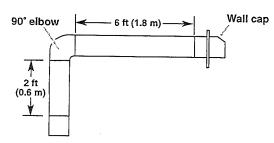
### Vent System

Vent Piece	6" (15.2 cm) Ro	
45° elbow	2.5 ft (0.8 m)	
90° elbow	5.0 ft (1.5 m)	

Maximum equivalent vent length is 35 ft (10.7 m).

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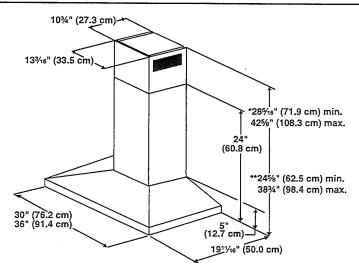
## **Example Vent System**



The following example falls within the maximum recommended vent length of  $35 \, \text{ft} \, (10.7 \, \text{m})$ .

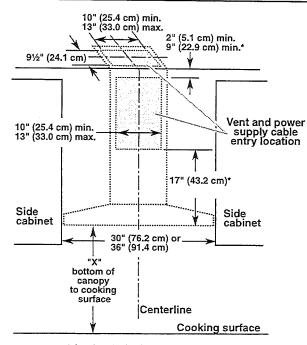
1 - 90° elbow	= 5.0 ft (1.5 m)	
1 - wall cap	= 0.0  ft  (0.0  m)	
8 ft (2.4 m) straight	= 8.0  ft  (2.4  m)	
Length of system	= 13.0 ft (3.9 m)	

### PRODUCT DIMENSIONS



- \*For non-vented (recirculating) installations
- \*\*For vented installations

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\*For non-vented (recirculating) installations

### **IMPORTANT:**

Minimum distance "X": 24" (61.0 cm) from electric cooking surface.

Minimum distance "X": 27" (68.6 cm) from gas cooking surfaces.

Suggested maximum distance "X": 36" (91.4 cm)

The chimneys can be adjusted for different ceiling heights. See the following chart.

	Vented Installations	
	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 1" (2.16 m)	9' 2" (2.79 m)
Gas cooking surface	7' 4" (2.23 m)	9' 2" (2.79 m)
Non-ve	ented (recirculating) In	stallations
	Min. ceiling height	Max. ceiling height

9' 6" (2.9 m)

9' 6" (2.9 m)

7' 1" (2.16 m)

7' 4" (2.23 m)

Electric cooking

surface Gas cooking

surface

\*NOTE: The range hood chimneys are adjustable and designed to meet varying ceiling or soffit heights depending on the distance "X" between the bottom of the range hood and the cooking surface. For higher ceilings, a Chimney Extension Kit is available from your dealer or an authorized parts distributor. The chimney extension replaces the chimney shipped with the range hood. To order, see the "Assistance or Service" section.

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