

# JENN-AIR® 30" (76.2 CM) AND 45" (114.3 cm) ELECTRIC DOWNDRAFT COOKTOP

## PRODUCT MODEL NUMBERS

JED8130AD

JED8230AD

JED8345AD

## ELECTRICAL REQUIREMENTS:

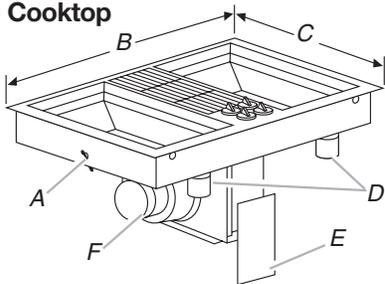
### Before You Make the Electrical Connection:

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

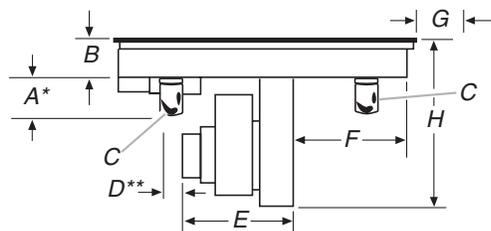
- A 4-wire or 3-wire, single phase, 120/240 volt, 60 Hz., AC only electrical supply is required on a separate, 40-amp circuit (45" [114.3 cm] models) or 40-amp circuit (30" [76.2 cm] models), fused on both sides of the line.
- The cooktop should be connected directly to the junction box in the cabinet through the flexible metal conduit. The flexible, armored cable extending from the fuse box or circuit breaker box should be connected directly to the cooktop wiring box.
- Locate the junction box in the cabinet to allow as much slack as possible between the junction box and the cooktop so that the cooktop can be moved if servicing becomes necessary in the future.
- A UL listed or CSA approved conduit connector must be provided at each end of the power supply cable (at the cooktop wiring box and at the junction box in the cabinet).
- 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.

## PRODUCT DIMENSIONS

### 30" (76.2 cm) Cooktop



- A. Tie down bolt (on each side of cooktop)
- B. 30" (76.2 cm)
- C. 21<sup>3</sup>/<sub>4</sub>" (55.3 cm)
- D. Grease containers
- E. Wiring box cover
- F. Blower

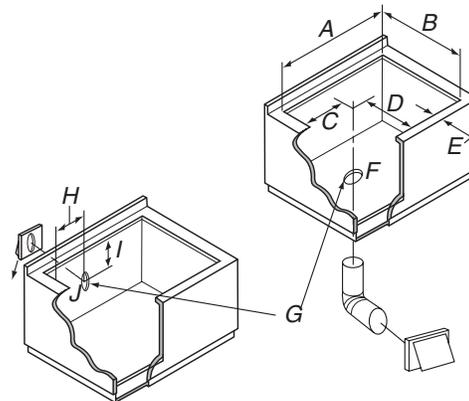


- A. 6<sup>1</sup>/<sub>4</sub>" (15.9 cm)
- B. 3<sup>1</sup>/<sub>2</sub>" (8.9 cm)
- C. Grease containers
- D. 2" (5.1 cm)
- E. 13<sup>3</sup>/<sub>4</sub>" (34.9 cm)
- F. 11<sup>13</sup>/<sub>16</sub>" (30.0 cm)
- G. 4" (10.2 cm)
- H. 13<sup>13</sup>/<sub>16</sub>" (35.1 cm)

\*A minimum clearance of 6<sup>1</sup>/<sub>4</sub>" (15.9 cm) is recommended for removal of the grease containers. Installed dimension for the grease containers is 5<sup>1</sup>/<sub>2</sub>" (14.0 cm).

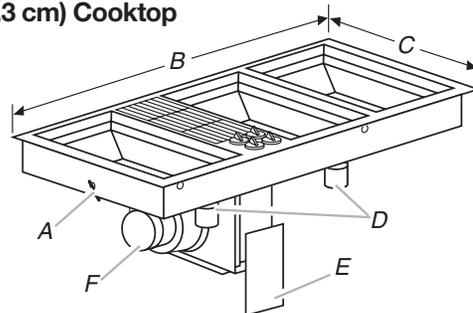
\*\*A minimum clearance of 2" (5.1 cm) is recommended between the motor/blower and cabinet for proper cooling.

## CUTOUT DIMENSIONS

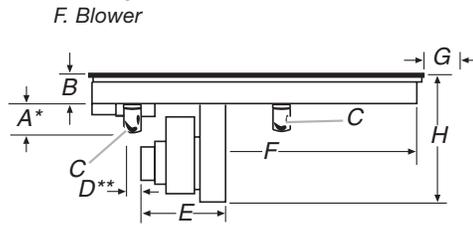


- A. 29" ± 1<sup>1</sup>/<sub>16</sub>" (73.6 cm ± 0.2 cm) on 30" (76.2 cm) models  
43<sup>1</sup>/<sub>4</sub>" ± 1<sup>1</sup>/<sub>16</sub>" (109.9 cm ± 0.2 cm) on 45" (114.3 cm) models
- B. 21" ± 1<sup>1</sup>/<sub>16</sub>" (53.3 cm ± 0.2 cm) maximum on both 30" (76.2 cm) and 45" (114.3 cm) models
- C. 9<sup>9</sup>/<sub>16</sub>" (23.8 cm) on both 30" (76.2 cm) models and 45" (114.3 cm) models
- D. 7<sup>7</sup>/<sub>16</sub>" (19.2 cm) on both 30" (76.2 cm) and 45" (114.3 cm) models
- E. 1<sup>7</sup>/<sub>8</sub>" (4.8 cm) minimum space to front edge of cooktop
- F. Floor exhaust option
- G. 6<sup>1</sup>/<sub>8</sub>" (15.6 cm) for 6" vent system
- H. 9<sup>9</sup>/<sub>16</sub>" (21.9 cm) on both 30" (76.2 cm) and 45" (114.3 cm) models
- I. 13" (33.0 cm) on both 30" (76.2 cm) and 45" (114.3 cm) models
- J. Wall exhaust option

### 45" (114.3 cm) Cooktop



- A. Tie down bolt (on each side of cooktop)
- B. 45" (114.3 cm)
- C. 21<sup>3</sup>/<sub>4</sub>" (55.3 cm)
- D. Grease containers
- E. Wiring box cover
- F. Blower

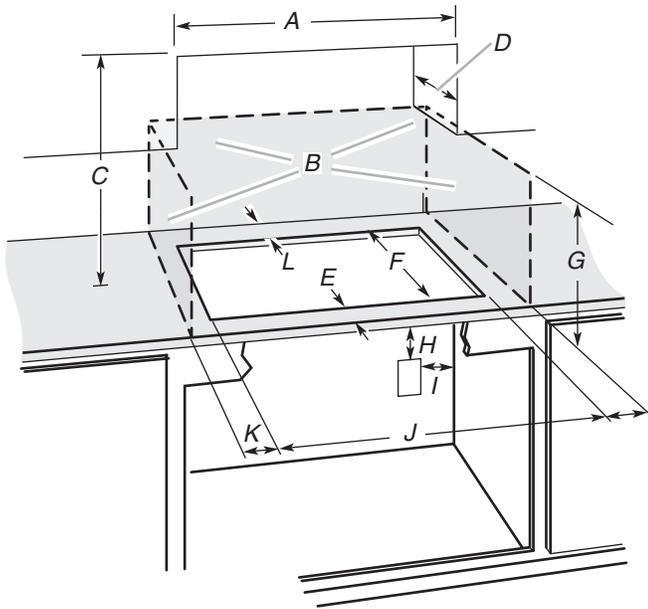


- A. 6<sup>1</sup>/<sub>4</sub>" (15.9 cm)
- B. 3<sup>1</sup>/<sub>2</sub>" (8.9 cm)
- C. Grease containers
- D. 2" (5.1 cm)
- E. 13<sup>3</sup>/<sub>4</sub>" (34.9 cm)
- F. 26<sup>3</sup>/<sub>4</sub>" (68.0 cm)
- G. 4" (10.2 cm)
- H. 13<sup>13</sup>/<sub>16</sub>" (35.1 cm)

\*A minimum clearance of 6<sup>1</sup>/<sub>4</sub>" (15.9 cm) is recommended for removal of the grease containers. Installed dimension for the grease containers is 5<sup>1</sup>/<sub>2</sub>" (14.0 cm).

\*\*A minimum clearance of 2" (5.1 cm) is recommended between the motor/blower and cabinet for proper cooling.

## CABINET DIMENSIONS



- A. 30" (76.2 cm) on 30" (76.2 cm) models  
45" (114.3 cm) on 45" (114.3 cm) models
- B. Combustible area above countertop (shown by dashed box above)
- C. 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 1/4" [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)
- D. 13" (33 cm) recommended upper cabinet depth
- E. 1 7/8" (4.8 cm) min.
- F. 21" (53.3 cm)
- G. 18" (45.7 cm) minimum clearance from upper cabinet to countertop within minimum horizontal clearances to cooktop
- H. Junction box or outlet; 12" (30.5 cm) minimum from bottom of countertop
- I. Junction box or outlet; 10" (25.4 cm) from right-hand side of cabinet
- J. 29 1/16" (73.9 cm) on 30" (76.2 cm) models  
43 1/4" (109.9 cm) on 45" (114.3 cm) models
- K. 2 1/2" (6.4 cm) minimum distance to nearest left and right side combustible surface above cooktop
- L. 1 1/2" (3.8 cm) minimum clearance between back wall and countertop

**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.

- Where possible, a 6" (15.2 cm) clearance is recommended for motor blower service. A minimum clearance of 1" (2.5 cm) is recommended to the sidewalls and a 3/4" (1.9 cm) clearance is recommended to the rear wall.
- A minimum clearance of 2" (5.1 cm) is recommended between the motor/blower and cabinet for proper cooling.
- A minimum clearance of 6 1/4" (15.9 cm) is recommended for removal of the grease container(s). Installed dimension for the grease containers is 5 1/2" (14.0 cm).
- For grills installed near a sidewall, a minimum clearance of 6" (15.2 cm) is recommended between the cooktop and sidewall for maximum performance.