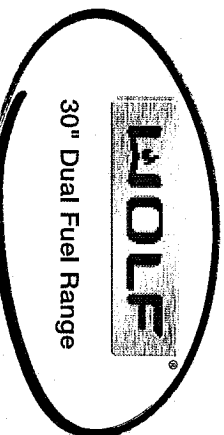


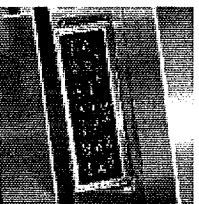
Rec'd From Costco



With Wolf's dual fuel range you have state-of-the-art cooking expertise to meet the discriminating consumers' needs. The dual fuel range offers standard dual-stacked sealed surface burners. The large electric oven features ten cooking modes and the Wolf exclusive dual convection system that delivers even temperature and airflow throughout. The dual fuel range is available in natural or LP gas.

#### FEATURES

- Stainless steel exterior finish with island trim included.
- Red, black or stainless steel control knobs (specify with range).
- Stainless steel bezels surround all knobs.
- Dual-stacked, sealed burners, all with simmer capabilities and automatic relighting at all settings.
- Melt feature on 9,200 Btu burner.
- Ten cooking modes, temperature probe and self-clean features.
- Porcelain-coated cast iron continuous top grates.
- Pivoting hidden touch control panel.
- Coaxial temperature displaying oven selector knob.
- Cobalt blue porcelain oven interior with halogen lighting.
- Three adjustable oven racks; one full-extension easy glide, one full-extension door glide and one standard.
- Hidden bake element and recessed broil element.
- Spring/damper door hinge system.



Rotating control panel.



Cobalt blue oven interior.



Model DF304

#### SURFACE FEATURES

| Model                            | DF304 |
|----------------------------------|-------|
| Surface Burners                  |       |
| 15,000 Btu high / 950 Btu simmer | 3     |
| Surface Burner                   |       |
| 9,200 Btu high / 325 Btu simmer  | 1     |

Model number is for natural gas dual fuel range, add (-LP) to the model number for LP gas.

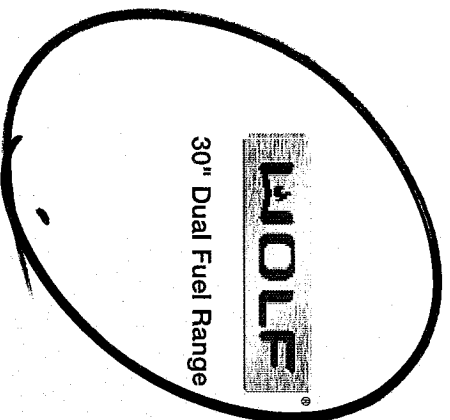
#### ACCESSORIES

- Stainless steel risers in 5" and 10" heights, or 20" riser with shelf.
- Red, black or stainless steel control knobs.
- Chrome or brass bezels.
- One piece porcelain-cast wok grate and single burner grate.
- Porcelain-cast two-burner S-grates--center S-grate also available.
- Set of three standard oven racks.
- One full-extension easy glide rack.
- Broiler pan and temperature probe.
- Bake stone kit.
- Dehydration kit.
- 30" baking sheet kit.
- Front leg extension covers and rear caster covers.
- High altitude conversion kits.

Accessories are available through your authorized Wolf dealer. For local dealer information, visit the find a showroom section of our website, [wolfappliance.com](http://wolfappliance.com).

This appliance is certified by Star-K to meet strict religious regulations in conjunction with specific instructions found on [www.star-k.org](http://www.star-k.org).

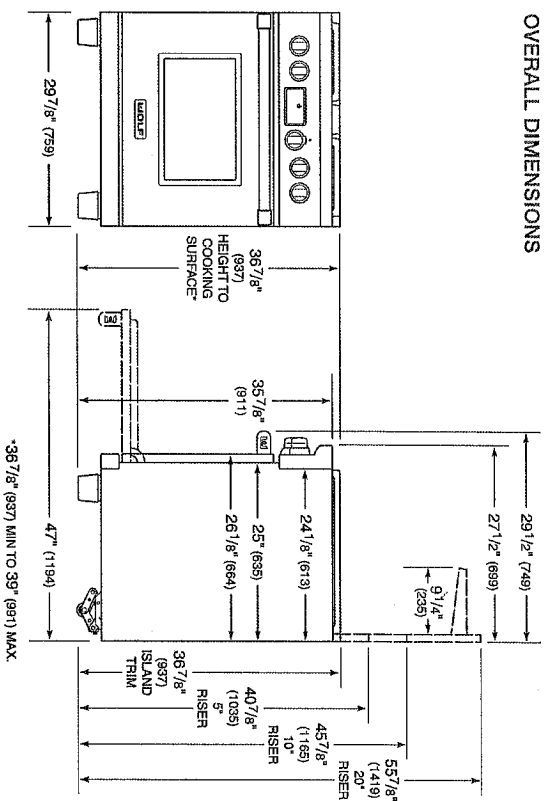
108 Bx



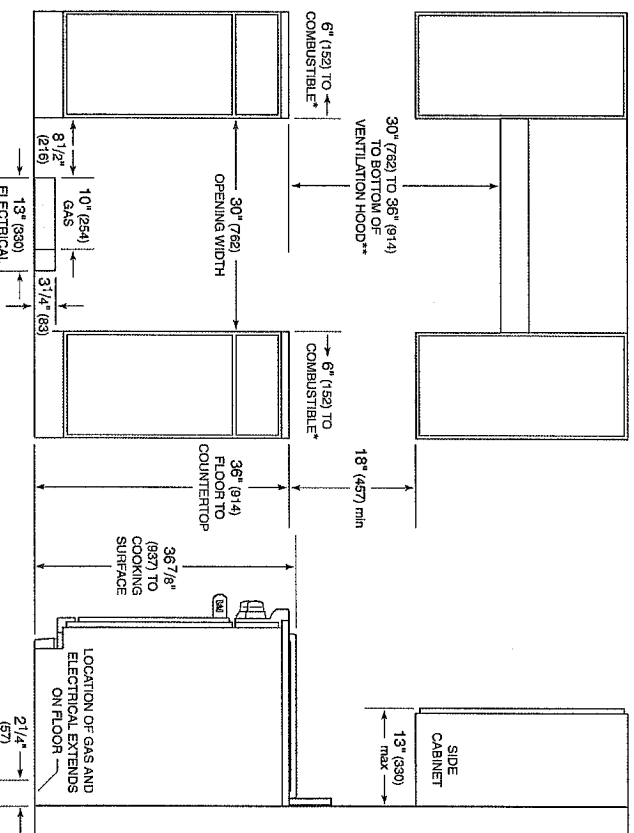
| SPECIFICATIONS                      |  |
|-------------------------------------|--|
| Exterior Finish                     | Stainless Steel                          |
| Overall Width                       | 29 7/8"                                  |
| Overall Height (to cooking surface) | 36 7/8"                                  |
| Overall Depth                       | 29 1/2"                                  |
| Oven Interior Capacity              | 4.5 cu ft                                |
| Oven Interior Dimensions            | 25" W x 16 1/2" H x 19" D                |
| Opening Width                       | 30"                                      |
| Opening Height (to countertop)      | 36"                                      |
| Opening Depth                       | 24"                                      |
| Electrical Requirements             | 240/208 V AC<br>60 Hz, 30 amp circuit    |
| Electrical Rating                   | 5.2 kW at 240 V AC<br>4.5 kW at 208 V AC |
| Total Amps                          | 21.7                                     |
| Shipping Weight                     | 325 lbs                                  |

#### INSTALLATION NOTES

- A Wolf pro wall, chimney, island ventilation hood or hood liner is recommended.
- High altitude conversion kit for LP gas installations above 8,600'. For natural gas above 10,250', contact Wolf customer service.



#### INSTALLATION SPECIFICATIONS



108 BK

Dimensions in parentheses are in millimeters unless otherwise specified.

108 BL



SPECIFICATIONS  
**APF600  
SERIES**  
ENERGY STAR® RANGE HOOD



High Speed 500 CFM/5.0 Sones @ 0.10" SP.  
Med Speed 370 CFM/2.5 Sones @ 0.10" SP.  
Low Speed 180 CFM/0.8 Sones @ 0.10" SP., 48.3 Watts

• **Hood Dimensions**

Overall bottom projection - 24"  
Available height (with cut soft) - 10" and 18"  
Available widths: 30" and 36"

• **Hood**

Stainless steel. Wall mounted. Install at least 24" above the cooking surface.

• **Lighting**

Uses 2 - 18 watt GU24 self ballasted lamps (included). 4 watt night light (bulb not included)

• **Ducting Options**

Vertical outlet only. Vertical or Horizontal ducting transition achieved through vertical or horizontal duct adapter (included).

• **Filters**

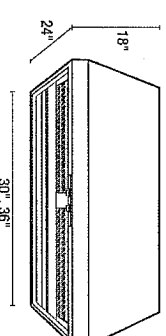
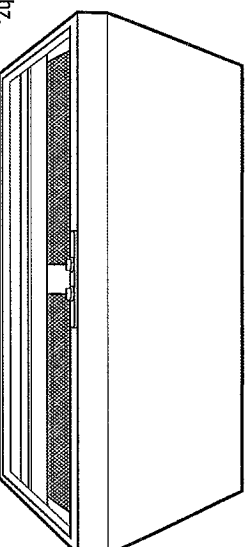
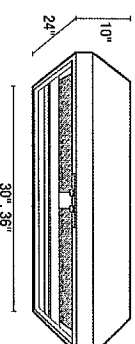
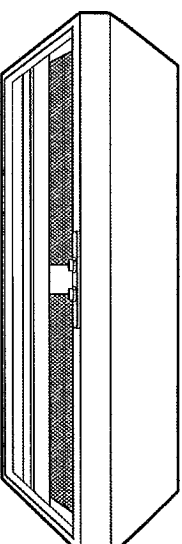
Dishwasher safe, aluminum mesh grease filters (included).

• **Blower**

3 speed, permanently split capacitor motor. Rated 120 volts, 60 hz.

• **Blower Wheel**

Dual inlet, electronically balanced polymeric centrifugal blower wheels, 57/8" width 59 paddles.



**EXPANDED PERFORMANCE**

|                |     | Static Pressure (Inches of w.g.) |      |       |     |       | Sones @ .1 SP |  | Fan Speed RPM | Power Watts | Amps |
|----------------|-----|----------------------------------|------|-------|-----|-------|---------------|--|---------------|-------------|------|
| Air Flow - CFM | 0   | 0.1                              | 0.25 | 0.375 | 0.5 | 0.625 |               |  |               |             |      |
| High Speed     | 535 | 500                              | 428  | 349   | 218 | 45    | 5.0           |  | 1572          | 123.0       | 1.25 |
| Medium Speed   | 385 | 370                              | 326  | 257   | 132 | 21    | 2.5           |  | 1278          | 94.0        | 1.10 |
| Low Speed      | 214 | 180                              | 164  | 34    | -   | -     | 0.8           |  | 956           | 48.3        | .90  |

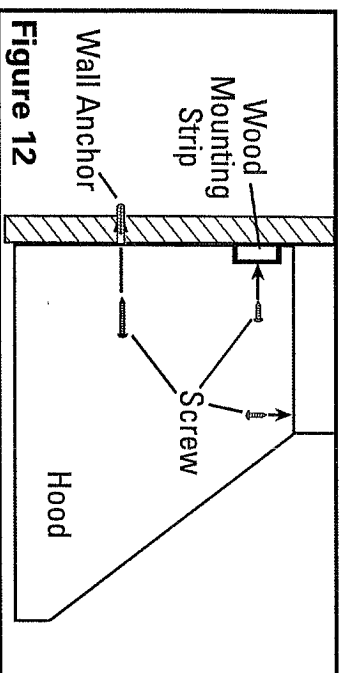
|            |              |     |         |     |       |      |       |     |                              |  |              |  |  |
|------------|--------------|-----|---------|-----|-------|------|-------|-----|------------------------------|--|--------------|--|--|
| PROJECT    |              |     |         |     |       |      |       |     |                              |  | ARCHITECT    |  |  |
| LOCATION   |              |     |         |     |       |      |       |     |                              |  | ENGINEER     |  |  |
| CONTRACTOR |              |     |         |     |       |      |       |     |                              |  | SUBMITTED BY |  |  |
|            |              |     |         |     |       |      |       |     |                              |  | DATE         |  |  |
| FAN NUMBER | MODEL NUMBER | CFM | IN W.C. | RPM | WATTS | AMPS | SONES | QTY | OPTIONAL EQUIPMENT & REMARKS |  |              |  |  |
|            |              |     |         |     |       |      |       |     |                              |  |              |  |  |



U.S.: 820 Lincoln Avenue  
West Chester, Pennsylvania 19380-4466  
Tel: (610) 692-7400 • 877-304-3785  
Fax: (610) 696-8048

Canada: 8 Edvac Drive  
Brampton, Ontario L6S 5P2  
Tel: (905) 456-2033 • 800-250-8767  
Fax: (905) 456-1015

- Rest the cavity in the back side of the hood on the wood strip and secure hood to wood strip with the included 3/4" screws through the holes in the back of the hood that line up with the wood strip (use 6 screws for 30" and 36" widths and 8 screws for larger widths) Secure the bottom of the hood by installing the screws provided into the wall anchors (Figure 12).

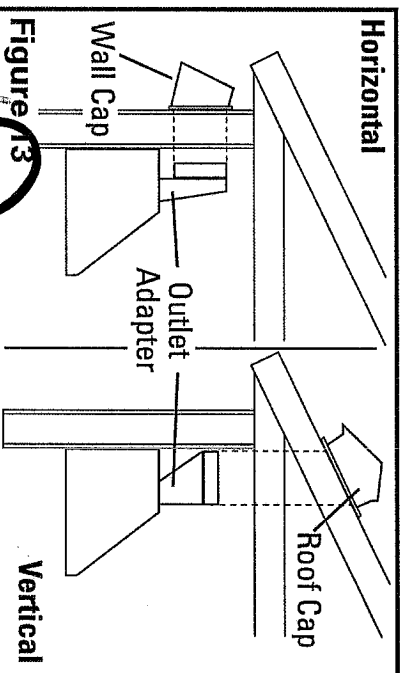


- From inside the hood canopy, secure hood to the underside of the cabinet by using four wood screws (not included) through the keyhole slots of the hood (Figure 12).

**CAUTION:** ALL DUCTING MUST COMPLY WITH LOCAL AND NATIONAL BUILDING CODES.

**WARNING:** TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.

- Determine the type of ducting you will require (Figure 13).

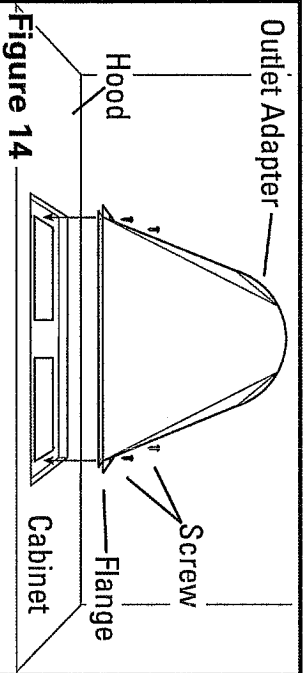


**NOTE:** A minimum of a 8" diameter outlet adapter & ducting is required to achieve the proper air flow.

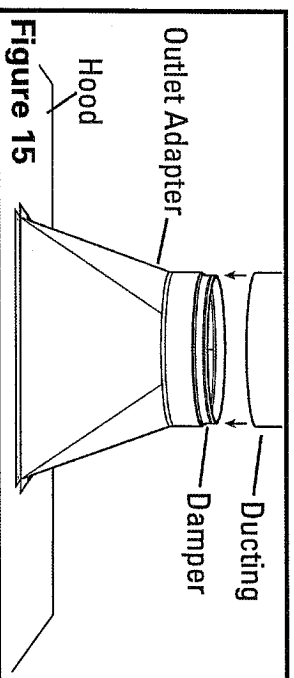
**NOTE:** When determining the outlet adapter to be used, make sure to consider the clearance within the cabinet space. Typically a horizontal Outlet Adapter will need to be used if you will be venting out to a wall cap.

**NOTE:** When the duct termination is similar to that shown in Figure 13 (passing through the wall to which the hood is mounted) the installation requires special consideration. Depending upon where the wall studs are located, it may be necessary to cut one or more of the wall studs and install a header and footer to transfer the load to the adjacent studs. Additional studs may need to be framed into the opening to attach dry wall or secure the hood. If this is your situation Air King recommends that you hire a professional and comply with all applicable codes.

- Install the proper sized outlet adapter (available separately) to the hood by sliding it down into the hole cut earlier and matching up the four holes on the flange of the adapter to the four corresponding holes on the hood and secure in place with the provided screws. Ensure an airtight seal around the adapter by securing all connections with ducting tape (Figure 14).



- Connect the ducting to the outlet adapter and damper. Secure in place using tape to seal all joints (Figure 15).

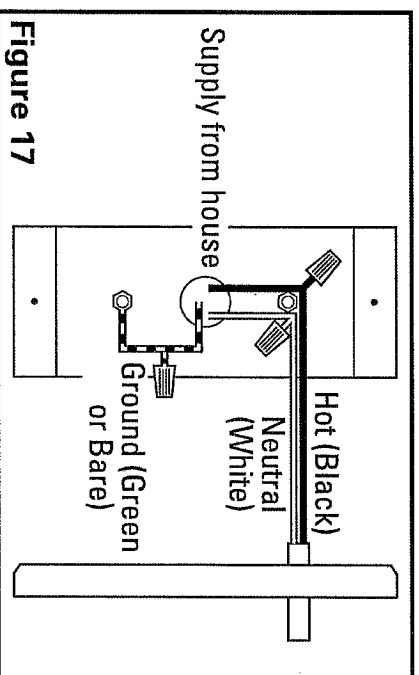
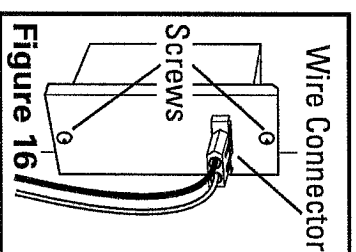


## SECTION 7

**Wiring**

**CAUTION:** ALL ELECTRICAL CONNECTIONS MUST BE MADE IN ACCORDANCE WITH LOCAL CODES, ORDINANCES, OR NATIONAL ELECTRICAL CODE. IF YOU ARE UNFAMILIAR WITH METHODS OF INSTALLING ELECTRICAL WIRING, SECURE THE SERVICES OF A QUALIFIED ELECTRICIAN.

- Remove the two wire compartment cover screws to gain access into the wire compartment (Figure 16). Connect the white wire from the range hood to the white wire from the supply, and the black wire from the range hood to the black wire of the supply. Connect the ground wire from the home (green or bare) to the ground wire (green) from the hood. Use approved methods for all connections (Figure 17).
- Replace the wire compartment cover and tighten screws. Make sure all wiring is securely contained within the wire compartment. If the quick connect wire connector was removed from the receptacle, replace. The connector will only fit one way into the receptacle (Figure 16).



## SECTION 8

**Installing the Blower**

- Refer to the instructions included with the blower for installation.

## SECTION 9

**Installing the Optional Soffits**

- Refer to the instructions included with the specific soffit(s) you have chosen for installation.

## SECTION 10

**Finishing the Installation**

- Install the proper lighting for your specific unit:  
**Fluorescent Lamps:** Use 18 watt, 4 pin quad tube. Install by removing the snap fit lens and inserting the bulb into the socket until it is firmly seated.  
**Night Lights:** Use 4 watt, candleabra style bulb. Install by removing the snap fit lens and inserting bulb into socket and turning clockwise until bulb is firmly seated. DO NOT over-tighten.

# KitchenAid® Undercounter Dishwasher

## PRODUCT MODEL NUMBERS

|          |          |
|----------|----------|
| KUDC10FX | KUDE60HX |
| KUDC10IX | KUDE60SX |
| KUDE20FB | KUDE70FX |
| KUDE20FX | KUDL15FX |
| KUDE20IX | KUDS30CX |
| KUDE40FX | KUDS30FX |
| KUDE48FX | KUDS30IX |
| KUDE50CX | KUDS30SX |
| KUDE60FX | KUDS35FX |

**Electrical Requirements:** 120-volt, 60-Hz, AC-only, 15- or 20-amp, fused electrical supply. Copper wire only. A time-delay fuse or circuit breaker and separate circuit is recommended.

**If direct wiring dishwasher:** Use flexible, armored or nonmetallic, sheathed copper wire with grounding wire that meets the wiring requirements for your home and local codes and ordinances. Use a U.L.-listed or CSA-approved conduit connector.

**If connecting dishwasher with a power supply cord:**

Use Power Supply Cord Kit (Part No. 4317824) marked for use with dishwashers. Follow the kit

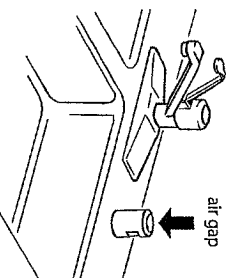
instructions for installing the power supply cord. Power supply cord must plug into a grounded three-prong, outlet, located in the cabinet next to the dishwasher opening. Outlet must meet all local codes and ordinances.

**Water Supply Requirements:** A hot water line with 20 to 120 psi (138 to 862 kPa) water pressure. Water temperature must be 120°F (49°C) water at dishwasher. Use 3/8" O.D. copper tubing with compression fitting or flexible braided water supply line (1/2" minimum plastic tubing is not recommended). Use a 90° elbow with 3/4" N.P.T. external pipe threads on one end. Do not solder within 6" (15.2 cm) from water inlet valve.

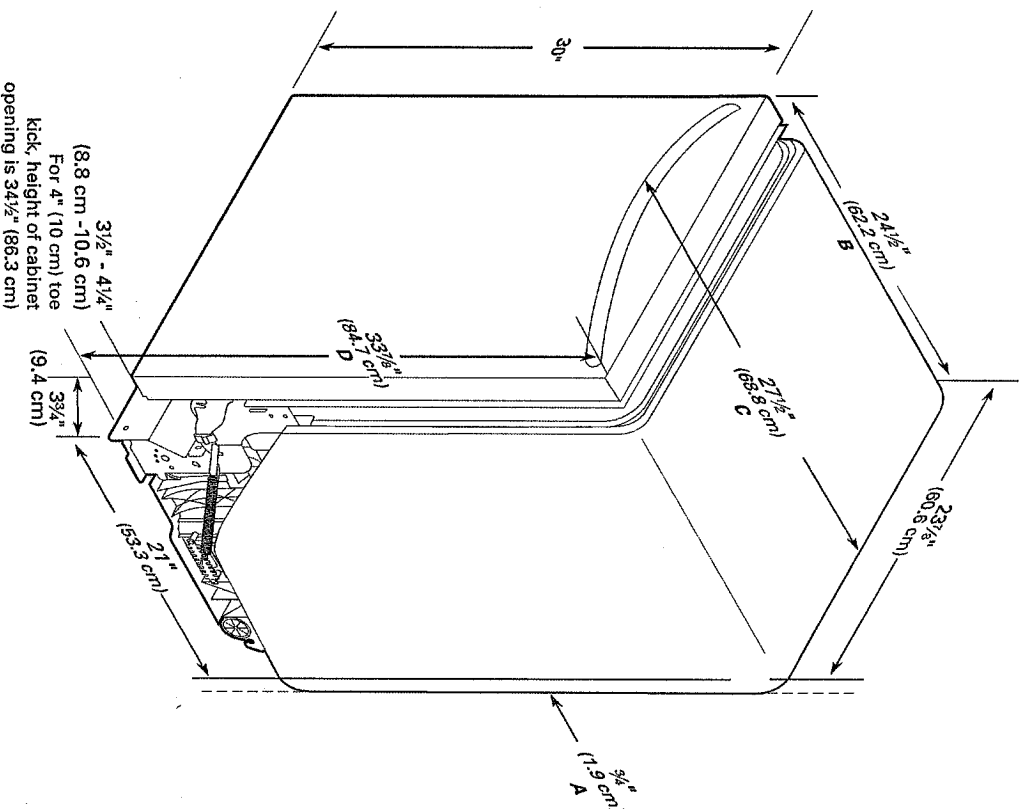
**Drain Requirements:** A new drain hose is supplied with your dishwasher. If this is not long enough, use a new drain hose with a maximum length of 12' (3.7 m) (Part No. 3385556) that meets all current AHAM/APMO test standards, is resistant to heat and detergent, and fits the 1" (2.5 cm) drain connector of the dishwasher.

Make sure to connect the drain hose to waste tee or disposer inlet above drain trap in house plumbing and 20" (50.8 cm) minimum above the floor. It is recommended that the drain hose either be looped up and securely fastened to the underside of the counter, or be connected to an air gap. Make sure to use an air gap if the drain hose is connected to house plumbing lower than 20" (50.8 cm) above subfloor or floor.

Use 1/2" (1.3 cm) minimum I.D. drain line fittings. If required, the air gap should be installed in accordance with the air gap installation instructions. When connecting the air gap a rubber hose (not provided) will be needed to connect to the waste tee or disposer inlet.



## PRODUCT DIMENSIONS



- Insulation may be compressed. (not used on all models)
- For panel ready models, dishwasher depth is 24" (60 cm) not including the 3/4" (1.9 cm) custom door panel.
- For Pro Line® handle, depth is 28" (70 cm).

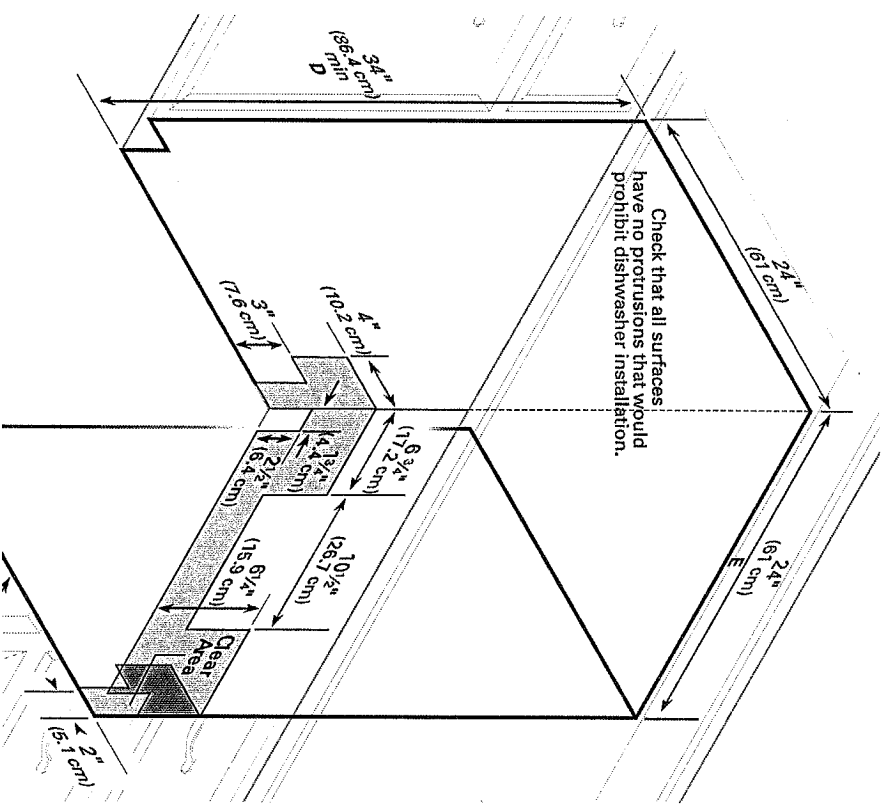
108 P1C

## CABINET CUTOUT DIMENSIONS

**NOTE:** Shaded areas of cabinet walls show where utility connections may be installed.

**D.** Measured from the lowest point on the underside of countertop. May be reduced to 33<sup>7</sup>/<sub>8</sub>" (86 cm) by removing wheels from dishwasher, or 33<sup>3</sup>/<sub>4</sub>" (85.7 cm) by removing wheels AND perforated section in the insulation blanket.

**E.** Minimum, measured from narrowest point of opening.



108 Bk