



Installation Instructions

Distinctive™ Built-in Dishwasher Model DDW24S

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Before You Begin...

Important:

Installer: In the interest of safety and to minimize problems, read these installation instructions completely and carefully before you begin the installation process. Leave these installation instructions with the customer.

Customer: Keep these installation instructions for future reference and the local electrical inspector's use.

Customer Service Information

If You Need Help...

If you have questions or problems with installation, contact your Dacor® dealer or the Dacor Customer Service Team. For repairs to Dacor appliances under warranty call the Dacor Distinctive Service line. Whenever you call, have the model and serial number of the appliance ready. The model and serial number are printed on the product data label.

Dacor Distinctive Service (repairs under warranty only)

Phone: (877) 337-3226 (U.S.A. and Canada)
Monday — Friday 6:00 A.M. to 4:00 P.M. Pacific Time

Dacor Customer Service

Phone: (800) 793-0093 (U.S.A. and Canada)
Monday — Friday 6:00 A.M. to 5:00 P.M. Pacific Time

Web site: www.dacor.com

Product Data Label Location

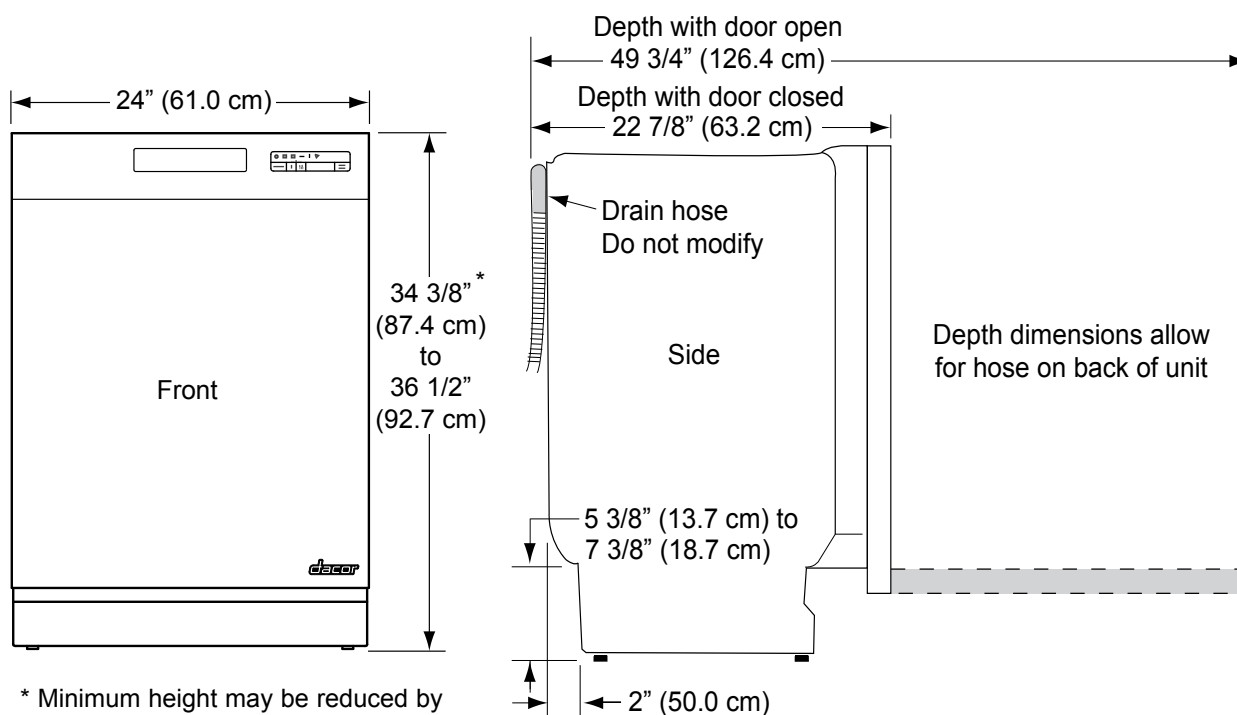
The product data label is located on the right door jamb. Open the door to expose it.

**All specifications are subject to change without notice.
Dacor assumes no liability for changes to specifications.**

Product Specifications

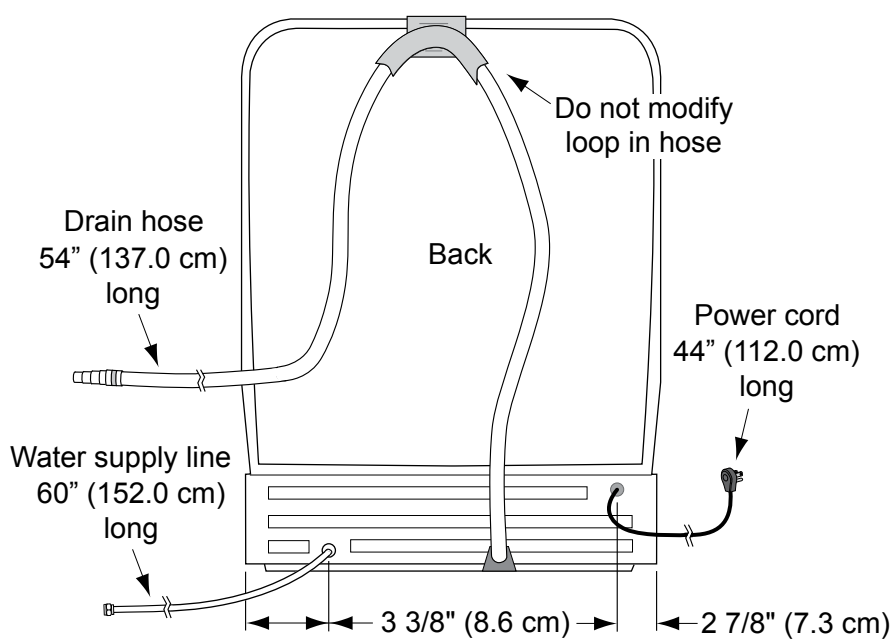
Product Dimensions

Product tolerances: $\pm 1/16"$ (± 1.6 mm)



* Minimum height may be reduced by up to 1/2" (1.3 cm). See page 5.

Shipping weight: 117 lbs. (53 Kg)



Utility Connection Dimensions

Preparing for Installation

WARNING

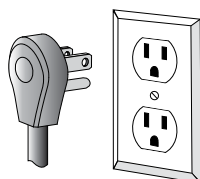
Observe all governing codes and ordinances during planning and installation. Contact your local building department for further information.

Electrical Specifications

WARNING

Electrical and grounding connections must comply with the applicable portions of the national electrical code and/or other local electrical codes.

This dishwasher comes with an electrical cord with a three prong grounding plug for a 120 Vac, 15 Amp. power supply. Plug it only into a 120 Vac, three prong, grounding electrical outlet located to either side of the dishwasher cutout.



If the cord is not long enough, or if a hard-wire installation is needed, follow the instructions on page 9.

Electrical Requirements

Electrical Circuit Requirements	15 Amp. 120 Vac, 60 Hz. dedicated, grounded, circuit.
Total Connected Load	11 Amp. @ 120 Vac, 60 Hz.*

* For reference only. For exact specifications see the product data label, located inside the right door jamb.

Grounding Instructions for a Cord-Connected Appliance

This appliance must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is installed and grounded in accordance with all local codes and ordinances.

WARNING

- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded. Do not modify the plug provided with the appliance, if it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- Do not use an extension cord with this appliance.

Grounding Instructions for a Permanently Connected Appliance

This unit must be grounded to operate properly. It must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead of the appliance.

Damage to the dishwasher could occur if it is not properly grounded.

A three conductor electrical cable or conduit meeting local codes and ordinances is required. A UL listed strain relief is required if non-metallic cable is used. Suggested color coding: black, white and green.

Circuit Requirements

The wiring from the electrical outlet or junction box shall be connected to a circuit protected by a 15 Amp. circuit breaker or time delay fuse, installed by a licensed electrician.

Water Supply Specifications

WARNING

In order to prevent heat damage, all solder connections for the water line connected to the water supply valve must be made before the dishwasher water supply line is connected.

- The dishwasher can be connected to a cold or hot water supply (maximum 160°F, 70°C). Dacor recommends using a hot water supply of 120°F (49°C) to 140°F (60°C). If a cold water supply is used, the washing times will be longer, but the performance will not be affected.
- The water supply pressure must be between 4.2 and 140 psi (30 - 1000 kPa). The water supply line and the shut-off valve must supply a flow volume of at least 3 gallons (12 liters) per minute.
- Install a 3/8" water supply valve for connection to the dishwasher's water supply line in a location where it is easily accessible after the dishwasher is installed.
- The dishwasher water supply line is equipped with a 3/8" (1.0 cm) NPT female compression fitting on the end.

Preparing for Installation

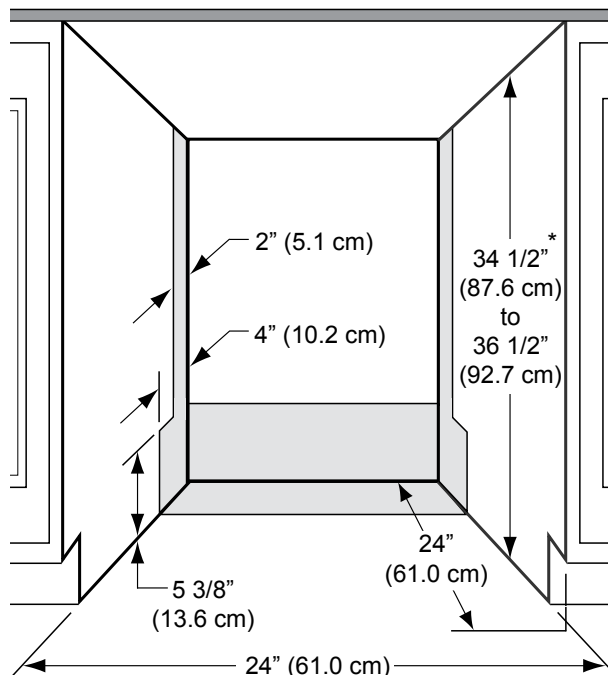
Preparing the Location

WARNING

Follow all cabinet dimensions shown to insure safe operation. All minimum product dimensions must be met or exceeded (see page 3). Dimensions shown provide the required clearances.

- The cabinet must enclose the dishwasher on the top, back and both sides.
- Carefully check the location where the dishwasher is to be installed. Put it in a location with convenient access, close to the kitchen sink for easy water supply and drain connection. The power supply shall meet the **Electrical Specifications** on page 4. Also, the electrical outlet or junction box shall be installed close by in a cabinet adjacent to the location selected so that the power cable can be disconnected without removing the appliance from the cutout.
- The electrical wiring, water supply and drain lines must enter through the area indicated by the shading on the illustration at right. Preferably, they should come through the right side of the cabinet.
- The access hole(s) in the cabinet for the power cord and water line shall be no bigger than 1-1/2" (3.8 cm) in diameter. The access hole for the drain hose shall be no bigger than 2" (5.0 cm) in diameter. The access holes for all three must be round and smooth. If the partition is metal, it needs to be covered with an edge protector. Call Dacor for the part number of an approved edge protector.
- The opening through the partition between the drain connection and the dishwasher cutout must be higher than the disposer or waste tee connection (see page 6) and lower than 35" (88.9 cm).
- Plan the installation so that the appliance can be removed easily if service is required.
- If the dishwasher is installed in a corner, allow a minimum clearance of 2" (5.1 cm) from the side wall so the door can open. See diagram, right.
- The floor must be solid, level and all cutout surfaces must be at right angles. In the interest of safety, the surrounding cabinet must have sufficient material for attachment of the anti-tip brackets (see page 13).

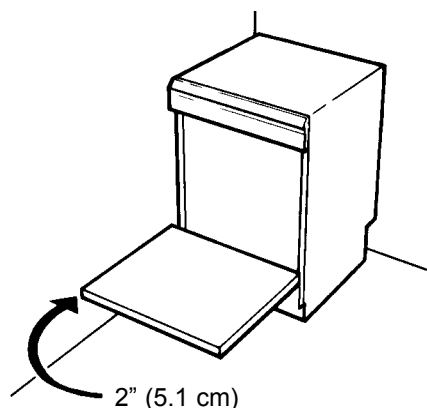
Cutout tolerances: +1/16" (+1.6 mm), -0



Dishwasher Cutout - Front View

* If the height of the existing cutout is too low:

- Check to see if the cabinet face can be trimmed at the top. In many cases, when a non-standard size dishwasher has been installed previously, there is enough room inside the cabinet once the cabinet face is modified.
- The dishwasher can be shortened 1/4" (6.0 mm) by not installing the plastic feet on the unit as shown on page 9. Extra care must be taken if the feet are not installed. Dacor is not responsible for floor damage during installation.
- The dishwasher can be shortened 1/4" (6.0 mm) by removing the trim pieces that surround the wash compartment opening. **NOTE:** Doing so will create a gap of 1/4" (6.0 mm) on the right and left side of the door.



Minimum Door Clearance

Preparing for Installation

Preparing the Drain

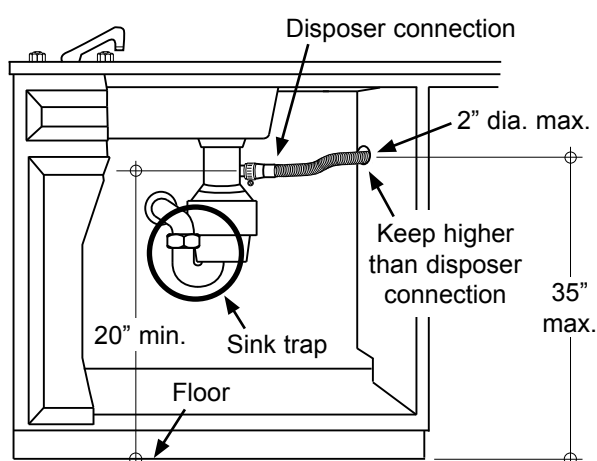
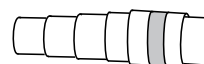
CAUTION

Keep the factory installed high loop drain hose in place to ensure proper dishwasher operation. Do not modify or move the mounting bracket in any manner. If it is necessary to lengthen the hose, install an aftermarket drain extension kit, available at most home improvement stores.

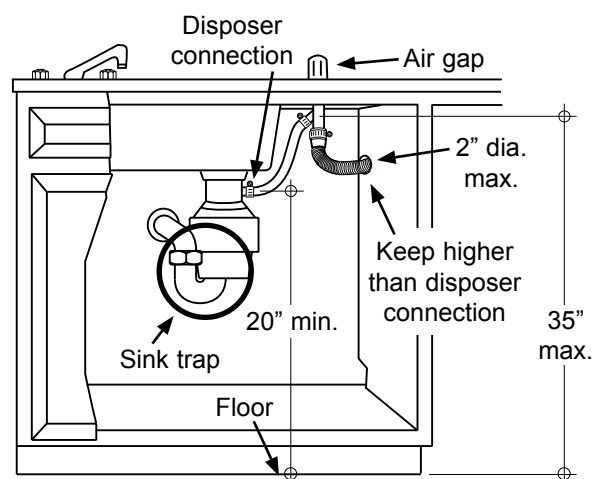
IMPORTANT: Should a drain hose longer than the one provided be required, use a hose extension approved for detergents and high temperature water. The drain hose supplied with the dishwasher meets an AHAM DW-1 test standard. Total drain hose length (including factory installed hose) must not exceed 10 feet. (304.8 cm) from the top of the drain loop on the back of the unit. Joints and joint tubes must have a minimum inside diameter of 7/8" (2.2 cm).

- The drain hose supplied with the dishwasher must be connected to a minimum 1/2" inside diameter drain connection.

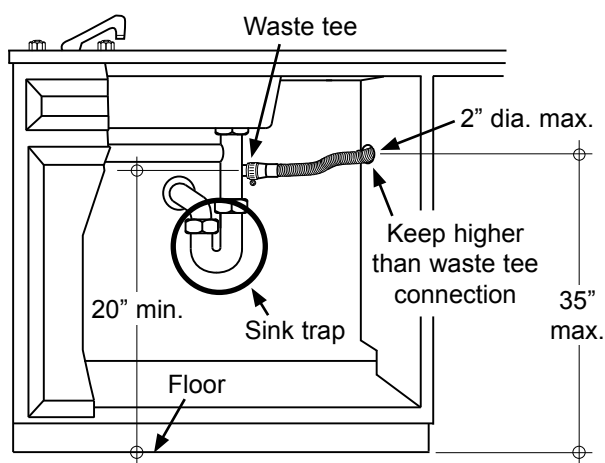
- The drain hose is equipped with a cone-shaped connector on the end that is ready to be cut to the desired drain connection size. Only a clamp (not provided) is required. It fits drain connections with an internal diameter of 1/2, 5/8, 3/4 and 7/8 inches (1.3, 1.6, 1.8 and 2.2 cm).
- You must install an air gap in the drain system if required by local codes. Plan for the air gap in the sink or countertop area adjacent to the dishwasher. A section of drain hose (not provided) needs to be installed from the air gap to the waste disposer inlet or waste tee.
- If an air gap is not required, the drain hose must be installed to a disposer inlet or waste tee above the sink trap in the household plumbing.
- For proper drainage, the drain line connection must be a minimum of 20" (50.8 cm) above the bottom of the dishwasher.
- No part of the drain hose can be lower than the disposer or waste tee connection or higher than 35" (88.9 cm) from the bottom of the dishwasher.



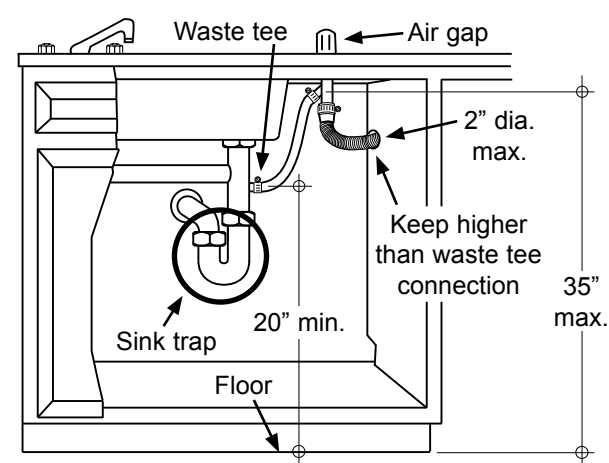
Disposer Installation without Air Gap



Disposer Installation with Air Gap



Waste Tee Installation without Air Gap



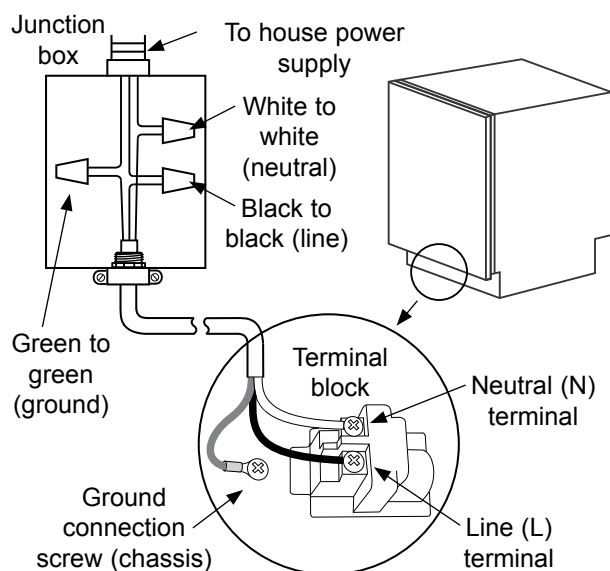
Waste Tee Installation with Air Gap

Installation Instructions

Connecting the Wiring (cont.)

(Permanently Connected Appliance Only)

4. If a nonmetallic cable is being used, install a UL listed strain relief bushing on the back of the dishwasher.
5. Connect the white wire on the cable to the "N" terminal on the dishwasher terminal block as shown below.
6. Connect the black wire on the cable to the "L" terminal on the terminal block.
7. Connect the ground (green) wire on the cable using a loop or spade terminal to the ground connection screw located on the dishwasher chassis.

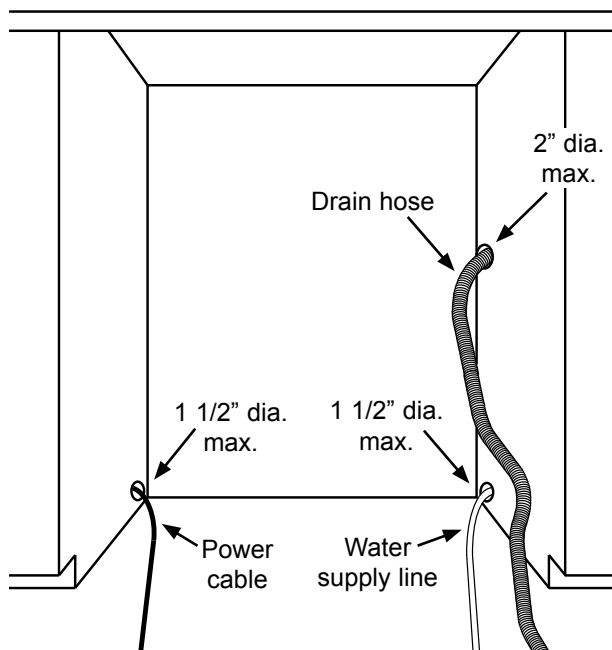


Permanent Wiring Connection

8. Re-install the electrical access panel and the toe kick brackets.

Installing the Unit in the Cabinet

1. Position the dishwasher in front of the cabinet opening.
2. Before sliding the unit into the cutout, make sure the drain hose, water supply line and power cable are positioned in the utility cutouts as shown below. Make sure each is routed to the side it will be connected.



WARNING

Exercise care when installing or removing the dishwasher to reduce the likelihood of damage to the floor and the power supply cable.

3. Slowly and gently slide the unit into the dishwasher opening. As you do this, have someone gently pull the drain hose, water supply line and power cable through the access holes into the adjacent cabinets. Exercise care to make sure that the wiring and plumbing lines do not become damaged.

