INSTALLATION INSTRUCTIONS

DishDrawer™ dishwasher
DD24S 7 & DD24ST 7 models

US CA

Fisher & Paykel
**SAFETY AND WARNINGS - ALL MODELS**

### WARNING!

**Electrical hazard**

Before installing the dishwasher, remove the house fuse or open the circuit breaker. If permanently connecting the dishwasher, be sure the power is isolated and the dishwasher unplugged.

**GROUNDING INSTRUCTIONS**

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 as to whether the appliance is properly grounded.

If the dishwasher is installed as a permanently connected appliance:

**GROUNDING INSTRUCTIONS** - This appliance 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 on the appliance. Do not modify the power supply 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, adapter plug or multiple outlet box.

Failure to follow this advice may result in electrical shock or death.

### WARNING!

**Cut hazard**

Take care - panel edges are sharp.

Failure to use caution could result in injury or cuts.

**ADDITIONAL SAFETY AND WARNINGS - INTEGRATED MODELS ONLY**

### WARNING!

**Electrical Shock Hazard**

**WARNING:** To reduce the risk of electrical shock, fire, or injury to persons, the installer must ensure that the dishwasher is completely enclosed at the time of installation.

Before fitting the front panel, make sure that the dishwasher is disconnected from the power supply. After installing the front panel, the installer must ensure that the following components are electrically grounded: the panel bracket and any custom metal component (e.g. handle) that extends past the rubber seal.

Failure to follow these warnings may result in electrical shock, injury or fire.

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**IMPORTANT SAFETY INSTRUCTIONS!**

- Installation of this dishwasher requires basic mechanical and electrical skills.
- Be sure to leave these Instructions with the Customer.
- Installation must comply with your local building, electricity, and plumbing regulations.
- At the completion of the dishwasher installation, the Installer must perform the Final Checklist.
- Remove all packaging materials supplied with the dishwasher.
- This dishwasher is manufactured for indoor use only.
- Ensure all water connections are turned OFF. It is the responsibility of the plumber and electrician to ensure that each installation complies with all Codes and Regulations.
- The dishwasher MUST be installed to allow for future removal from the enclosure if service is required.
- The switched power outlet must be outside the dishwasher cavity, so that it is accessible after installation.
- Care should be taken when the appliance is installed or removed to reduce the likelihood of damage to the power supply cord and hoses.
- If the dishwasher is to be relocated from one installation to another it must be kept upright to avoid damage from water spillage.
- Make sure only new hoses are used for connection (supplied with the dishwasher). Old hoses should not be reused.
- Failure to install the dishwasher correctly could invalidate any warranty or liability claims.
- If the product is installed in a motor vehicle, boat or similar mobile facility, you must bring the vehicle, boat or mobile facility containing the product to the service shop at your expense or pay the service technician’s travel to the location of the product.

**SAVE THESE INSTRUCTIONS**
**PARTS SUPPLIED - ALL MODELS**

- **Drain hose support (1)**
- **Drain hose joiner (1)**
- **Wire clip (1)** (for securing Drain hose joiner)
- **Side mounting bracket kit (A and B) (2)**
- **Clamp (1)** (for securing Drain hose joiner)
- **Phillips 5⁄8" (16 mm) screws (7)**
- **1½" (38 mm) bottom fixing screws & metal washers (2)**
- **Rubber washer for inlet hose (1) (comes already fitted)**
- **Edge Protector (1)**
- **Clamp (1)** (for securing Drain hose joiner)
- **Moisture protection tape (1)** (to prevent moisture damage)
- **Cavity bracket kit (1)**
  - *supplied with Tall height Designer and Integrated models only*

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*If the Drain hose supplied is not long enough to reach your services, you must use a Drain Hose Extension Kit P/N 525798 which will extend the drain hoses by 11’ 10” (3.6m).*

*The kit is available from the nearest Fisher & Paykel Authorized Service Center, or Toll free 1.888.936.7872 or www.fisherpaykel.com*
**ADDITIONAL PARTS SUPPLIED WITH INTEGRATED MODELS**

- External Venting kit (1)
- Panel bracket (1) *(attached to product)*
- Panel mounting screws (6)
### PRODUCT DIMENSIONS

#### Product dimensions inches (mm)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD HEIGHT MODELS</th>
<th>TALL HEIGHT MODELS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Classic</td>
<td>Designer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>A</strong></td>
<td>overall height¹ of product (excl. front panel height)</td>
<td>16 ¼&quot;(410)</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td>overall width of product</td>
<td>23 ¾&quot;(599)</td>
</tr>
<tr>
<td><strong>C</strong></td>
<td>overall depth of product (excl. handle)</td>
<td>22 ½&quot;(553)</td>
</tr>
<tr>
<td><strong>D</strong></td>
<td>depth of chassis (to back of front panel)</td>
<td>21 ½&quot;(556)</td>
</tr>
<tr>
<td><strong>E</strong></td>
<td>maximum extension of drawer (excl. handle)</td>
<td>1 ⅞&quot;(20)</td>
</tr>
<tr>
<td><strong>F</strong></td>
<td>depth of front panel (excl. handle)</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>G</strong></td>
<td>height¹ of chassis</td>
<td>16 ¼&quot;(410)</td>
</tr>
<tr>
<td><strong>H</strong></td>
<td>depth of handle</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>I</strong></td>
<td>height of front panel</td>
<td>15 ½&quot;(394)</td>
</tr>
<tr>
<td><strong>J</strong></td>
<td>height of ventilation gap below front panel</td>
<td>¼&quot;(7)</td>
</tr>
<tr>
<td><strong>K</strong></td>
<td>height from top of handle to top of front panel</td>
<td>n/a</td>
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</tbody>
</table>

¹Includes ¼"(2 mm) high bracket slots  ²Includes cavity bracket  ³Assuming front panel thickness of ⅛"(18 mm)

⁴Recommended for a ¼"(2 mm) ventilation gap below panel, if cavity height is 16 ¼"(412 mm)  ⁵Recommended for a ¼"(2 mm) ventilation gap below panel
### Cabinetry Dimensions

**Cabinetry dimensions** inches (mm)

<table>
<thead>
<tr>
<th></th>
<th>Classic</th>
<th>Designer</th>
<th>Integrated</th>
<th>Classic</th>
<th>Designer</th>
<th>CoolDrawer</th>
<th>Integrated</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L</strong> inside height of cavity</td>
<td>min. 16 ¼”(412)</td>
<td>min. 16 ¼”(412)</td>
<td>min. 16 ¼”(412)</td>
<td>18”(456)</td>
<td>18 ¾”(480)</td>
<td>18”(456)</td>
<td>18 ¾”(480)</td>
</tr>
<tr>
<td><strong>M</strong> inside width of cavity</td>
<td>23 ¾”(600)</td>
<td>23 ¾”(600)</td>
<td>23 ¾”(600)</td>
<td>23 ¾”(600)</td>
<td>23 ¾”(600)</td>
<td>23 ¾”(600)</td>
<td>23 ¾”(600)</td>
</tr>
<tr>
<td><strong>N</strong> inside depth of cavity</td>
<td>min. 22 ½”(560)</td>
<td>min. 22 ½”(560)</td>
<td>min. 22 ½”(560)</td>
<td>min. 22 ½”(560)</td>
<td>min. 22 ½”(560)</td>
<td>min. 22 ½”(560)</td>
<td>min. 22 ½”(560)</td>
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</tbody>
</table>

**Cavity height options allow you to match dishwasher with your cabinetry or companion products**

<table>
<thead>
<tr>
<th>Standard height models</th>
<th>Tall height Classic models</th>
<th>Tall height Designer models</th>
<th>Tall height Integrated models</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dishwasher</td>
<td>Dishwasher Oven</td>
<td>Dishwasher CoolDrawer</td>
<td></td>
</tr>
<tr>
<td>L 18” (456 mm)</td>
<td>L 18 ¾” (480 mm)</td>
<td>L 18 ¾” (480 mm)</td>
<td></td>
</tr>
</tbody>
</table>

**Minimum clearances from adjacent cabinetry**

- min. ½” (13 mm) clearance from a corner cupboard
- min. ¼” (2 mm) clearance to adjacent cupboard door

**Tall height Integrated models**

You may choose to install Tall height Integrated models into either a 18”(456 mm) or a 18 ¾”(480 mm) high cavity.

Note: the minimum height of the custom drawer front panel will also be different for these two options.
FRONT PANEL SPECIFICATIONS

- \( \frac{5}{6} - \frac{13}{16} \) (16-20 mm) panel thickness
- Maximum weight of panel: 20 lb (9 kg)
- Adequately sealed to withstand moisture (122°F / 50°C @ 80% RH). Because of it being a hot and wet environment generally, the back and sides of the panel should be completely sealed with a waterproof vapour barrier (ie polyurethane) to prevent damage to the panel.
- The back of the panel (including any integrated handle) should be completely flush so that the seal between the panel and the rubber trim is maintained.

The following calculations assume the top of the panel is aligned with the top of the adjacent cabinetry:

WIDTH OF THE PANEL

Measure A (the width between adjacent door/drawer fronts) and write it in the first box below, then complete the equation.

\[
A - \frac{2}{16} \text{"} = \text{WIDTH OF PANEL (min. 23 \frac{7}{16} " (596 mm))}
\]

HEIGHT OF THE PANEL

Measure B and write it in the first box below, then complete the equation.

\[
B - \frac{2}{16} \text{"} = \text{HEIGHT OF PANEL}
\]

Note: when the top of the dishwasher has to be lower than the adjacent cabinetry, the panel can be increased in height.
OPTIONALLY HARD WIRING PRIOR TO INSTALLATION

7a REMOVE THE DRAWER

1. Product may move. Mark chassis position on cavity.

2. Press the release tabs in on either side and push back to release drawer from runners.

3. To prevent kinked hoses, we recommend rotating the drawer counter-clockwise and resting it on its side after removal.

4. 4" (100mm)

7c TERMINATE THE WIRING AS SHOWN

Remove knock-out for cable clamp and fit a suitable cable clamp for the conduit.

Use copper conductors only.

7b REMOVE THE ACCESS COVER & POWER CORD

1. Access cover

2. TERMINATE THE WIRING AS SHOWN

3. Press the release tabs in on either side and push back to release drawer from runners.

4. To prevent kinked hoses, we recommend rotating the drawer counter-clockwise and resting it on its side after removal.

5. 4" (100mm)

7d REFIT THE DRAWER ONTO THE RUNNERS & CLOSE

1. Before refitting the drawer, ensure the hoses are not twisted and the latches at the rear of each drawer runner are facing forward.

2. Pull forward the release tabs on both sides 4" (100mm)

3. Ensure the drawer is now rotated clockwise back.

4. Ensure the release tabs on both sides are reset fully.
**CAVITY PREPARATION**

**Important!**
The power outlet must be located in a cabinet adjacent to the dishwasher cavity.

110-120 VAC max. 15 A

These marks indicate formed bracket screw locations, if securing by drawer removal.

If there is no side partition, you can construct timber bracing as something to secure into.

**Important!**
Adjacent cabinetry must not extend above cavity base.

Moisture protection tape must be applied.

Water Connection
- Recommended HOT (Maximum 140°F/60°C).
- Supplied hose to suit ⅜” (9 mm) male compression fitting.

Water Pressure
- **Water softener models**
  - Max. 1 MPa (145 psi)
  - Min. 0.1 MPa (14.5 psi)
- **Models without water softener**
  - Max. 1 MPa (145 psi)
  - Min. 0.03 MPa (4.3 psi)

**Services hole**
Can be located either side of dishwasher, preferably at the bottom of the cavity, as shown. If adequate clearance, services hole can be made higher to clear toekick space. If hole is higher, ensure drain hose(s) are routed straight into the waste connection.

- If the hole is through wood, make sure its edges are smooth and rounded.
- If the hole is through metal, ensure you fit the supplied Edge Protector to prevent damage to the power cord.
INTEGRATED MODELS ONLY - PREPARATION FOR EXTERNAL VENTING THROUGH SAME CABINET

Important!
To prevent pooling of condensation from the vent hose, a toekick height of no less than 4" (100 mm) is required.

INTEGRATED MODELS ONLY - PREPARATION FOR EXTERNAL VENTING THROUGH ADJACENT CABINET

Important!
To prevent pooling of condensation from the vent hose, a toekick height of no less than 4" (100 mm) is required.
**MAXIMUM DISTANCE OF HOSES & CORD FROM CHASSIS EDGE**

<table>
<thead>
<tr>
<th>Left hand side</th>
<th>Right hand side</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Drain hose</strong> - 78 ½” (2000 mm)</td>
<td><strong>Drain hose</strong> - 70 ½” (1800 mm)</td>
</tr>
<tr>
<td><strong>Inlet hose</strong> - 64 ¾” (1650 mm)</td>
<td><strong>Inlet hose</strong> - 49” (1250 mm)</td>
</tr>
<tr>
<td><strong>Power cord (excl. plug)</strong> - 29 ½” (750 mm)</td>
<td><strong>Power cord (excl. plug)</strong> - 27 ½” (700 mm)</td>
</tr>
<tr>
<td><strong>Venting hose</strong> - 60 ⅞” (1525 mm)</td>
<td><strong>Venting hose</strong> - 75 ⅜” (1925 mm)</td>
</tr>
<tr>
<td>(Integrated models only)</td>
<td>(Integrated models only)</td>
</tr>
</tbody>
</table>
The enclosed cavity bracket is fitted before installation in order to conceal the gap at the top of the cavity left after installation.

1. Ensure the cavity panel bracket is positioned so that the “F” arrow is pointing towards the front of the chassis.

2. Firmly push the bracket so that the prongs engage with the top tabs and it clicks into place.

Important!
Ensure the prongs have not been driven down into the chassis as this will damage the lid below.

Ensure the top trim seal is facing forward after attaching the bracket.
RECOMMENDED METHOD (a) - SECURE WITHOUT DRAWER REMOVAL (FRAMELESS CABINETRY ONLY)

NOW CHOOSE WHICH INSTALLATION METHOD (a) or (b) IS MORE SUITABLE FOR YOUR CABINETRY...

12a ATTACH SIDE MOUNTING BRACKETS

Clip all four side mounting brackets into their slots using a flat-bladed screwdriver. Ensure they’re securely fitted before sliding product into cavity.

The mounting slots are in pairs, one on each side diagonally across the product. A bracket must match A slot and B bracket must match B slot.

13a INTEGRATED ONLY - ATTACH VENTING HOSE

Check that the fitted elbow is rotated left or right (depending on the direction of the routing), then ensure the venting hose is securely attached to it.
14a PULL THROUGH HOSES & MOVE INTO THE CAVITY

As you push product in, pull through hoses and cord, ensuring they don’t get kinked or twisted. **Important!** If product cannot be pushed in far enough, pull out again and rearrange hoses and cord. Do not use excessive force, as doing so may squash the hoses and lead to incorrect operation.

**Vent Hose (Integrated models only)**

Vent either through same cabinet or adjacent cabinet as per step 9a or 9b.

15a SECURE THE DRAWER

Open the drawer halfway. Using a flat-bladed screwdriver, prize the gray rubber plug out of the trim moulding.

Replace the gray rubber plug back into the trim moulding and ensure the trim seal is facing forward.

Using a small Philips screwdriver, screw through the trim moulding, securing the side mounting bracket to the cabinetry. Do not damage the rubber trim seal.

Repeat for all four brackets.

16a INTEGRATED ONLY - SECURE THE EXTERNAL VENT

After routing the vent hose through and out the hole cutout, attach and secure the vent by tightening the four screws provided.

Airflow
12b INTEGRATED ONLY - ATTACH VENTING HOSE

Check that the fitted elbow is rotated left or right (depending on the direction of the routing), then ensure the venting hose is securely attached to it.

13b PULL THROUGH HOSES & MOVE INTO THE CAVITY

As you push product in, pull through hoses and cord, ensuring they don’t get kinked or twisted. Important! If product cannot be pushed in far enough, pull out again and rearrange hoses and cord. Do not use excessive force, as doing so may squash the hoses and lead to incorrect operation.
**REMOVE THE DRAWER**

1. **Press the release tabs in on either side and push back to release drawer from runners.**

2. **Product may move. Mark chassis position on cavity.**

3. **4” (100mm)**

4. **To prevent kinked hoses, we recommend rotating the drawer counter-clockwise and resting it on its side after removal.**

**REFIT THE DRAWER ONTO THE RUNNERS**

5. **Ensure the release tabs on both sides are reset fully.**

6. **Ensure the drawer is now rotated clockwise back.**

7. **Before refitting the drawer, ensure the hoses are not twisted and the latches at the rear of each drawer runner are facing forward.**

**SECURE THE DRAWER TO THE CABINETRY**

The product has three pairs of fixing points:

1. **One pair of fixing holes on the bottom (use 1 ½" (38 mm) fixing screws & washers)***

2. **Two pairs of formed brackets on either chassis side (use 5⁄8” (16 mm) screws).***

3. **Ensure the sound insulation is repositioned correctly.***

**INTEGRATED ONLY - SECURE THE EXTERNAL VENT**

After routing the vent hose through and out the hole cutout, attach and secure the vent by tightening the four screws provided.
**INTEGRATED MODELS ONLY - INSTALLING THE FRONT PANEL**

**18 REMOVE BRACKET FROM PRODUCT**

- **WARNING!**
  - Electrical Shock Hazard
  - Before continuing, ensure that the product is disconnected from the power supply.
  - Failure to follow this warning may result in electrical shock, injury or fire.

**20 GROUND THE PANEL**

- **WARNING!**
  - Electrical Shock Hazard
  - To ground (earth) the panel bracket, connect the ground (earth) wire from the product to one of the tabs. Any custom metal component (e.g. handle) that extends past the rubber seal must be grounded (earthed) too.
  - Failure to follow these warnings may result in electrical shock, injury or fire.

**19 ATTACH PANEL TO PANEL BRACKET**

- There must be at least 3 screws used each side.
- Align bottom of panel with bottom of bracket.

**21 ATTACH PANEL TO PRODUCT**

- Important!
  - Ensure the rubber seal between the drawer and panel is kept in place.
  - When refitting the door pins, ensure they are orientated as shown.
With the front panels fitted, insert an appropriately sized Philips screwdriver into the hole above the door pin and rotate the panels up or down to align the gaps in your cabinetry.

Repeat on the other side if necessary.

The panel has a maximum travel of $\frac{1}{16}"$ (2 mm) up or down.

**Important!**

*Ensure that you maintain a minimum of $\frac{1}{16}"$ (2 mm) ventilation gap below the panel.*
There are three different plumbing and drainage options. Choose which is more suitable.

- **Dishwasher and Standpipe Ø 1½” (38 mm)**
  - If space is limited for fixing, push hose through drain hose support to required height.
  - Ensure drain hose is routed straight to joiner. Remove excess drain hose material if necessary. Do not shorten the inlet hose.

- **Dishwasher using Air Break with Drain Hose Joiner**
  - 37 ¼” (950 mm) Max. height to top of Air Break (countertop or wall mounted).

- **Dishwasher using sink trap with drain hose joiner**
  - If space is limited for fixing, push hose through drain hose support to required height.
  - Supplied drain hose joiner Ø ¾” (19 mm) waste tee.

**24 CONNECT INLET HOSE TO HOT WATER**

Ensure the supplied rubber washer is fitted inside the coupling.

**25 SWITCH PRODUCT ON**

Tighten coupling with wrench.

**Important!** Ensure that drain connection will comply with local plumbing regulations.
FINAL CHECKLIST

- Check all parts are installed.
- Ensure product is level, securely fastened to the cabinetry and opens and closes freely. The drawer must be free to fully close with no resistance from the cabinetry.
- Ensure inlet hose to water supply has supplied rubber washer fitted, and that it’s tightened a further half turn after seal contact.
- Ensure any knockouts or plugs in drain connection have been drilled out and drain connection has been made.
- The drain hose joiner must not support the weight of excess hose material. Keep drain hose as fully extended as possible to prevent sagging. Any excess length of drain hose should be kept on the dishwasher side of the highloop.
- If connecting the drain hose to the sink trap, ensure the Highloop is a minimum 6” (150 mm) higher than the drain hose joiner.
- Ensure any packaging or tape securing the racks is removed from the drawer.
- Turn on the power and water supplies, then open the drawer. You should hear a beep and see a program indicator light up on the internal control panel.
- Check the spray arm is in place and free to rotate.
- Add three cups of water into the drawer. Press on the internal control panel until the indicator of the ‘Rinse’ program lights up. Close the drawer and press to start the program.
- After the Rinse program has finished, ensure the dishwasher has run and drained correctly.
- Check water supply and drainage connection for leakage.

TROUBLESHOOTING

- Excessive water remaining above the filter plate, after the rinse cycle
  Check for a kinked drain hose or blocked waste connection, highloop not properly installed or drain hose not routed correctly.
- No water supply (This is displayed as a ‘U1’ fault – see section ‘If there is a fault’ in the User guide for how to recognise this fault on models without a display.)
  Check water is connected and turned on.
- The dishwasher is beeping continuously
  There is a fault. See section ‘If there is a fault’ in the User guide for further information and instructions.
- No program indicator lights up when the drawer is opened
  Ensure power is connected and is switched on. If it is and still no indicator lights up, see the ‘Preference options’ section of the ‘Quick start guide’. An option called ‘Open drawer auto power-on’ may need to be turned on.
- Water around water supply and drainage connections
  Check connections, existing plumbing and hoses for leaks. Check rubber washer and hose clamp are correctly fitted.
- If product is tipping
  Ensure the product is secured to the cabinetry.
- If front panels are misaligned
  Check and relevel product. Check the cabinetry is square. For Integrated models, check and adjust front panel alignment if necessary.
- Drawer doesn’t close properly
  Ensure nothing is obstructing the drawer from closing properly eg sound insulation, hoses or drawer latches.
- If a problem occurs, consult the ‘Troubleshooting’ section of the User guide.
- If after checking these points you still need assistance, please refer to the Service & Warranty book for warranty details and your nearest Authorized Service Center, or contact us through our website, listed below.

Important!
SAVE THESE INSTRUCTIONS
The models shown in this document may not be available in all markets and are subject to change at any time. For current details about model and specification availability in your country, please visit our website listed at the end of this document or contact your local Fisher & Paykel dealer.