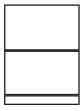
### **INSTALLATION INSTRUCTIONS**

DishDrawer™ dishwasher

DD24D 7 & DD24DT 7 models



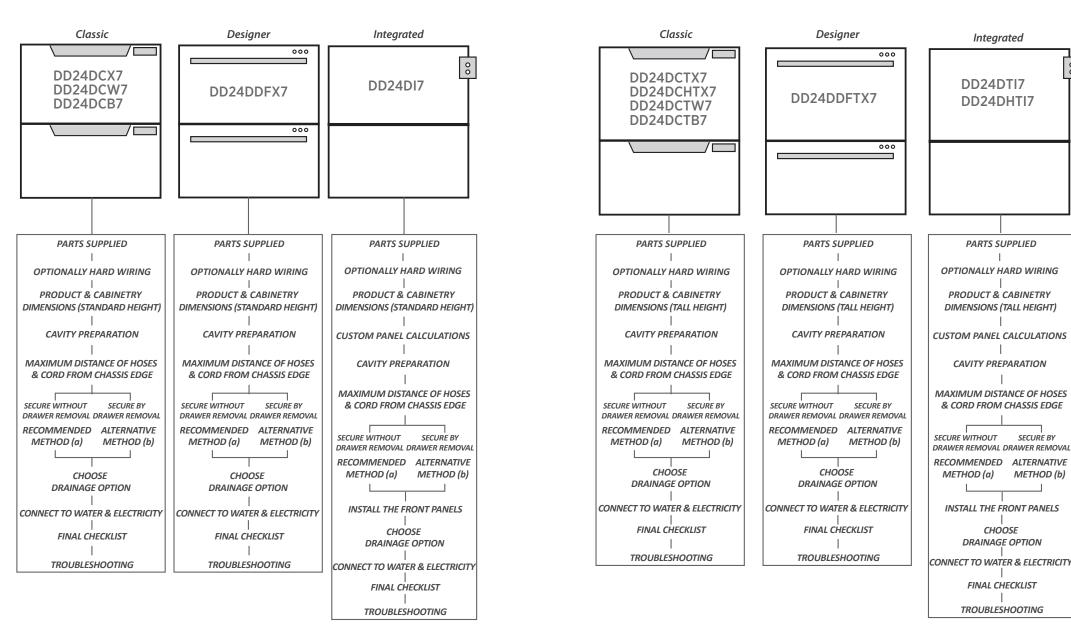
US CA

Fisher&Paykel

### 1 FOLLOW THE INSTALLATION SEQUENCE RELEVANT TO YOUR MODEL

### STANDARD HEIGHT DOUBLE MODELS

#### TALL HEIGHT DOUBLE MODELS



# 2a SAFETY AND WARNINGS - ALL MODELS

### **A** 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.

### **A** WARNING!



### **Cut hazard**

Take care - panel edges are sharp.

Failure to use caution could result in injury or cuts.

### 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

### ADDITIONAL SAFETY AND WARNINGS - INTEGRATED MODELS ONLY

### **A** 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 panels, make sure that the dishwasher is disconnected from the power supply. After installing the front panels, 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.

### IMPORTANT SAFETY INSTRUCTIONS!

- Read these instructions completely and carefully.
- Ensure the product is not plugged in.
- Installation of custom panels requires basic mechanical and electrical skills.
- Installation must comply with your local building and electricity regulations.
- Failure to install the custom panels correctly could invalidate any warranty or liability claims.

SAVE THESE INSTRUCTIONS

# **PARTS SUPPLIED - ALL MODELS**



Drain hose support (1)





adjustment (2) (long & short)



Wire clip (2) (for securing Drain hose joiner)



Clamp (1) (for securing Drain hose joiner)



Side mounting bracket kit (A and B) (2) **OPTIONAL** 

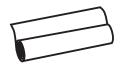




Top mounting brackets (2) **OPTIONAL** 

Phillips 5/8" (16 mm) screws (9)

Rubber washer for inlet hose (1) (comes already fitted)



Moisture protection tape (1) (to prevent moisture damage)



Hexagonal socket for feet



Prefinished toekick (1)



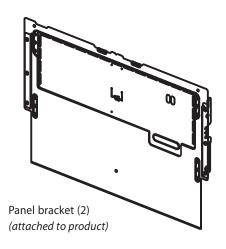
Edge Protector (1)

(If the services hole is through a metal partition the hole must be protected with the Edge protector supplied to prevent damage to the power cord or hoses.)

*If the Drain hoses supplied are 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





Panel mounting screws (12)



Toekick mounting bracket (1)

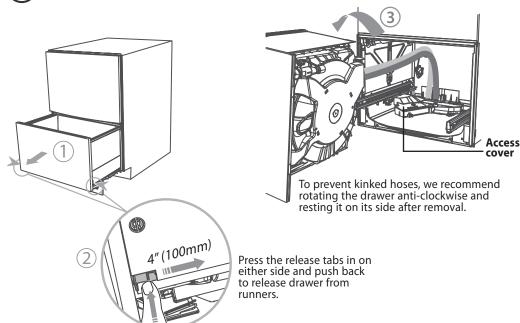
(A custom toekick panel of any material with thickness 3/8"-3/4" (9 - 19 mm) can be screwed to the plastic toekick mounting bracket)



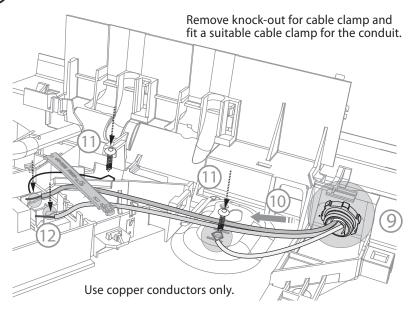
Toekick mounting screws (5)

# (4) OPTIONALLY HARD WIRING PRIOR TO INSTALLATION

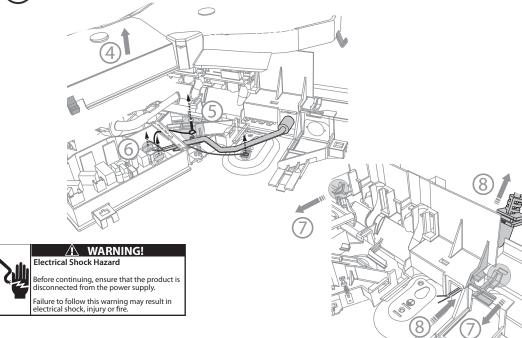
# (4a) REMOVE THE LOWER DRAWER



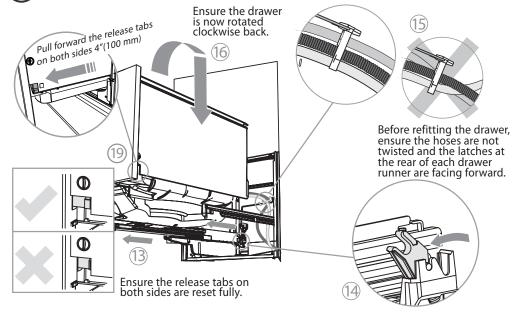
### (4c) TERMINATE THE WIRING AS SHOWN



4b) REMOVE THE ACCESS COVER & POWER CORD



### (4d) REFIT THE DRAWER ONTO THE RUNNERS & CLOSE

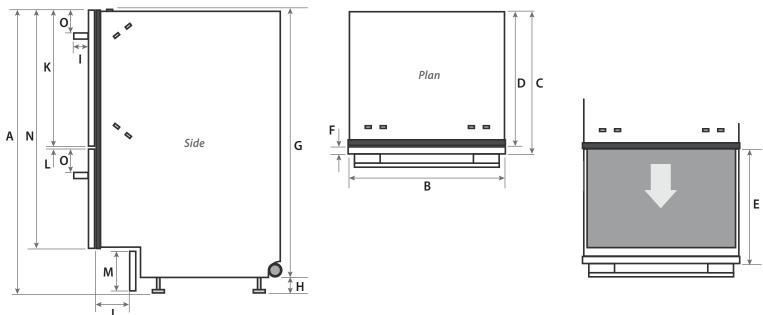


**TALL HEIGHT MODELS** 

2 ½"(64)

n/a

# **5** PRODUCT DIMENSIONS



P	rod	luct	dimensions	inches (mn	n)
---	-----	------	------------	------------	----

height from top of handle to top of front panel

		Classic	Designer	Integrated	Classic	Designer	ntegrated
Α	overall height1 of product	32 5/16 - 34 5/8"(820-880)2	32 5/16 - 34 5/8"(820-880)2	32 1/16 - 34 1/8" (820-880)2	34 - 36 3/8"(864-924)2	34 - 36 3/8"(864-924)2	34 - 36 3/8"(864-924)2
В	overall width of product	23 %6"(599)	23 %6"(599)	23 %6"(599)	23 %6"(599)	23 %6"(599)	23 %6"(599)
C	overall depth of product (excl. handle)	22 15/16"(582)	22 ½"(571)	22 ½"(571)³	22 15/16"(582)	22 ½"(571)	22 ½"(571) <sup>3</sup>
D	depth of chassis (to back of front panel)	21 ¾"(553)	21 ¾"(553)	21 ¾"(553)	21 ¾"(553)	21 ¾"(553)	21 ¾"(553)
Ε	maximum extension of drawer (excl. handle)	21 %"(556)	21 1/16"(545)	21 7⁄16"(545)³	21 1/8"(556)	21 1/16"(545)	21 1/16"(545)3
F	depth of front panel (excl. handle)	1 1/8"(29)	11/16"(18)	<sup>5</sup> / <sub>8</sub> - <sup>13</sup> / <sub>16</sub> "(16-20)	1 1/8"(29)	11/16"(18)	<sup>5</sup> / <sub>8</sub> - <sup>13</sup> / <sub>16</sub> "(16-20)
G	height <sup>1</sup> of chassis	31 <sup>15</sup> /16"(811)	31 <sup>15</sup> /16"(811)	31 <sup>15</sup> /16"(811)	33 11/16"(855)	33 11/16"(855)	33 11/16"(855)
Н	height of levelling feet	3/8 - 2 11/16"(9-69) <sup>2</sup>	<sup>3</sup> / <sub>8</sub> - 2 <sup>1</sup> / <sub>16</sub> "(9-69) <sup>2</sup>	3/8 - 2 <sup>1</sup> /16"(9-69) <sup>2</sup>	3/8 - 2 <sup>11</sup> / <sub>16</sub> "(9-69) <sup>2</sup>	3/8 - 2 <sup>11</sup> / <sub>16</sub> "(9-69) <sup>2</sup>	<sup>3</sup> / <sub>8</sub> - 2 <sup>11</sup> / <sub>16</sub> "(9-69) <sup>2</sup>
I	depth of handle	n/a	1 %"(41)	n/a	n/a	1 5/8"(41)	n/a
J	depth of toekick recess (to back of front panel) $^{\rm 4}$	1 3/16 - 3 5/8"(30-92)	1 3/16 - 3 5/8"(30-92)	1 3/16 - 3 5/16"(30-84)5	1 3/16 - 3 5/8"(30-92)	1 3/16 - 3 5/8"(30-92)	1 3/16 - 3 5/16"(30-84)5
K	height of upper front panel	15 ½"(394)	15 11/16"(398)	min. 15 ½6"(398)	17 1/4"(438)	17 3/8"(442)	min. 17 %"(442)
L	ventilation gap between front panels	<sup>3</sup> /16"(5)	<sup>5</sup> /16"(8)	min. 5⁄16″(8)	<sup>3</sup> / <sub>16</sub> "(5)	5/16"(8)	min. 5/16"(8)
Μ	height of toekick panel (adjustable)	2 3/4 - 4 3/4"(70-120)	2 3/4 - 4 3/4"(70-120)	2 ¾ - 4 ¾"(70-120)	2 3/4 - 4 3/4"(70-120)	2 3/4 - 4 3/4"(70-120)	2 3/4 - 4 3/4"(70-120)
Ν	height of drawer fronts	29 <sup>13</sup> /16"(757)	30"(762)	min. 28 ¼"(717)	29 11/16"(754)	29 15/16"(760)	min. 29 <sup>15</sup> / <sub>16</sub> "(760)

2 ½"(64)

n/a

n/a

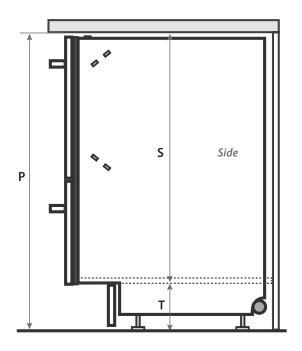
STANDARD HEIGHT MODELS

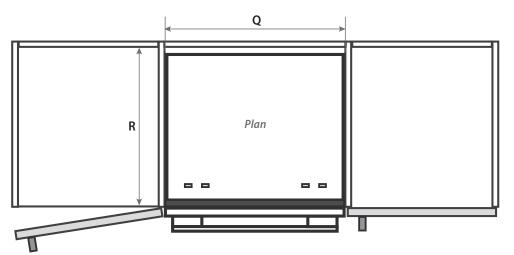
n/a

<sup>&</sup>lt;sup>1</sup>includes %"(2mm) high bracket slots <sup>2</sup>depending on adjustment of leveling feet <sup>3</sup>assuming front panel thickness of <sup>1</sup>%"(18mm) <sup>4</sup>adjustable to match toekick recess on adjoining cabinetry

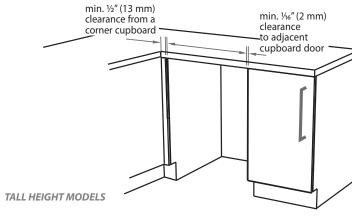
<sup>5</sup> assuming that toekick mounting bracket is used with a 13/1/" (18mm) thick custom panel; if recess is between 1 15/1/" - 3 5/1/" (50 and 84 mm) deep, the panel will need to be cut out - see step 'Custom panel calculations'

# **6** CABINETRY DIMENSIONS





### Minimum clearances from adjacent cabinetry



### Cabinetry dimensions inches (mm)

STANDARD HEIGHT MODELS

		Classic	Designer	Integrated	Classic	Designer	Integrated
Р	inside height of cavity*	min. 32 5/16"(820)	min. 32 5/16"(820)	min. 32 5/16"(820)	min. 34"(864)	min. 34"(864)	min. 34"(864)
Q	inside width of cavity	23 %"(600)	23 %"(600)	23 %"(600)	23 %"(600)	23 %"(600)	23 %"(600)
R	inside depth of cavity	min. 22 1/16" (560)	min. 22 1/16"(560)	min. 22 1/16"(560)	min. 22 1/16"(560)	min. 22 1/16"(560)	min. 22 1/16" (560)
S	recommended height of adjacent cabinet space	30"(762)	30"(762)	min. 28 ¾"(720)	30"(762)	30"(762)	min. 30"(762)
Т	height of toekick space*	2 3/8 - 4 3/4"(60-120)	2 3/8 - 4 3/4"(60-120)	3 15/16 - 6 5/16"(100-160)	3 15/16 - 6 5/16"(100-160)	3 15/16 - 6 5/16"(100-160)	3 15/16 - 6 5/16"(100-160)

<sup>\*</sup>depending on adjustment of leveling feet

### 7a) STANDARD HEIGHT INTEGRATED MODELS ONLY - CUSTOM PANEL CALCULATIONS

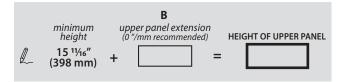
The following calculations assume the top of the upper panel is aligned with the top of the adjacent cabinetry. The final panel/cabinetry alignment is achieved by adjusting the feet:

#### WIDTH OF ALL PANELS

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



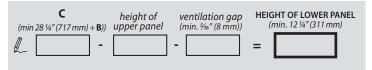
#### HEIGHT OF THE UPPER PANEL



Note: The 'upper panel extension' **B** allows for the top of the upper panel to extend above the chassis where required.

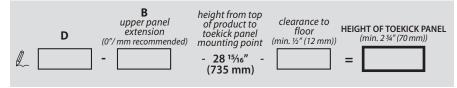
#### HEIGHT OF THE LOWER PANEL

Measure  $\bf C$  (door/drawer height (or equivalent)) and write it in the first box below, then complete the equation.



#### HEIGHT OF THE TOEKICK PANEL

Measure **D** (height from the top of adjacent cabinet door fronts to the floor) and write it in the first box below, then complete the equation.



### FRONT PANEL SPECIFICATIONS 5% - 13/16" (16-20 mm) panel thickness min. 1/16"(2mm) Adequately sealed to withstand moisture (122°F/50°C @ 80% RH) Maximum weight of each panel: 20 lb (9 kg) **TOEKICK PANEL SPECIFICATIONS** min. \%" (9 mm) panel thickness if using supplied screws Adequately sealed to withstand moisture (122°F/50°C @ 80% RH) You may choose to affix your custom toekick panel either by screwing it to the supplied mounting bracket or gluing it on the supplied prefinished toekick panel. Α min. 1/16"(2mm) min. 1/16"(2mm) **WIDTH OF ALL PANELS** min. 1/16"(2mm) **HEIGHT OF UPPER PANEL** min. 5/16"(8mm) ventilation gap D **HEIGHT OF LOWER PANEL HEIGHT OF TOEKICK PANEL** min. ½"(12mm) clearance to floor Side If the toekick recess (dimension 1 3/16-2 **J** under 'Product dimensions') is (30-50 mm)between 2" and 3 5/16" (50 and 84 mm) deep, the toekick panel will 17" (432 mm) Side need to be modified for fitting R 1/2" (12.7 mm) around the underside of the product. See illustration for details on the (50-84 mm) 2 3/6" (55 mm) shape of the cutout required.

### (7b) TALL HEIGHT INTEGRATED MODELS ONLY - CUSTOM PANEL CALCULATIONS

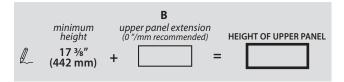
The following calculations assume the top of the upper panel is aligned with the top of the adjacent cabinetry. The final panel/cabinetry alignment is achieved by adjusting the feet:

#### WIDTH OF ALL PANELS

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



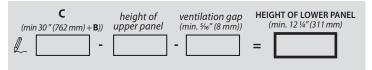
#### HEIGHT OF THE UPPER PANEL



Note: The 'upper panel extension' **B** allows for the top of the upper panel to extend above the chassis where required.

#### HEIGHT OF THE LOWER PANEL

Measure  $\bf C$  (door/drawer height (or equivalent)) and write it in the first box below, then complete the equation.



#### HEIGHT OF THE TOEKICK PANEL

Measure **D** (height from the top of adjacent cabinet door fronts to the floor) and write it in the first box below, then complete the equation.



### FRONT PANEL SPECIFICATIONS 5% - 13/16" (16-20 mm) panel thickness min. 1/16"(2mm) Adequately sealed to withstand moisture (122°F/50°C @ 80% RH) Maximum weight of each panel: 20 lb (9 kg) **TOEKICK PANEL SPECIFICATIONS** min. \%" (9 mm) panel thickness if using supplied screws Adequately sealed to withstand moisture (122°F/50°C @ 80% RH) You may choose to affix your custom toekick panel either by screwing it to the supplied mounting bracket or gluing it on the supplied prefinished toekick panel. Α min. 1/16"(2mm) min. 1/16"(2mm) **WIDTH OF ALL PANELS** min. 1/16"(2mm) **HEIGHT OF UPPER PANEL** min. 5/16"(8mm) ventilation gap D **HEIGHT OF LOWER PANEL HEIGHT OF TOEKICK PANEL** min. ½"(12mm) clearance to floor Side If the toekick recess (dimension 1 3/16-2 **J** under 'Product dimensions') is (30-50 mm)between 2" and 3 5/16" (50 and 84 mm) deep, the toekick panel will 17" (432 mm) Side need to be modified for fitting R 1/2" (12.7 mm)

(50-84 mm)

around the underside of the

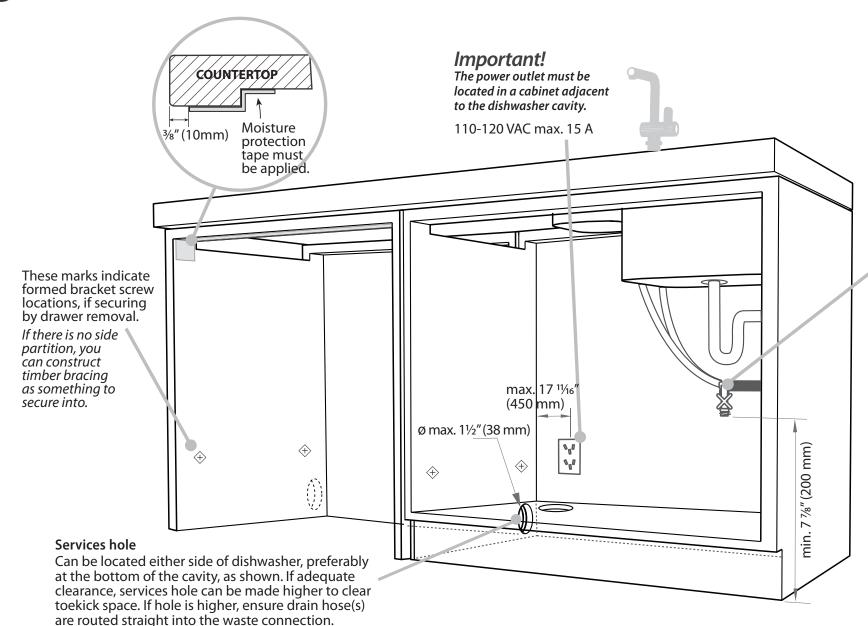
shape of the cutout required.

See illustration for details on the

2 3/6" (55 mm)

product.

### **8** CAVITY PREPARATION



### Water Connection

Recommended **HOT** (Maximum 140°F/60°C).

Supplied hose to suit 3%" (9 mm) male compression fitting.

### **Water Pressure**

Water softener models Max. 1 MPa (145 psi) Min. 0.1 MPa (14.5 psi)

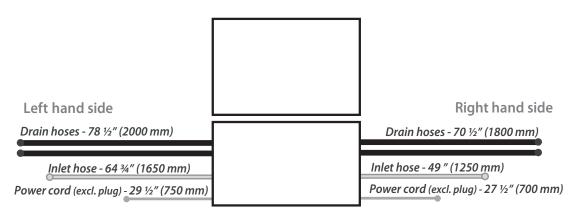
Models without water softener Max. 1 MPa (145 psi) Min. 0.03 MPa (4.3 psi)

### **Kosher requirements**

Drains will need to be separated to satisfy kosher requirements. We suggest you confirm acceptability with your local rabbi in respect to kosher installations.

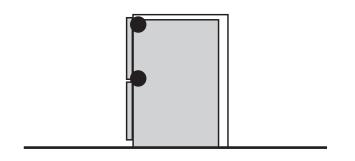
- If the hole is through wood, make sure its edges are smooth and rounded.
- If the hole is through metal, ensure you fit the supplied Edge Protector to prevent damage to the power cord.

# 9 MAXIMUM DISTANCE OF HOSES & CORD FROM CHASSIS EDGE

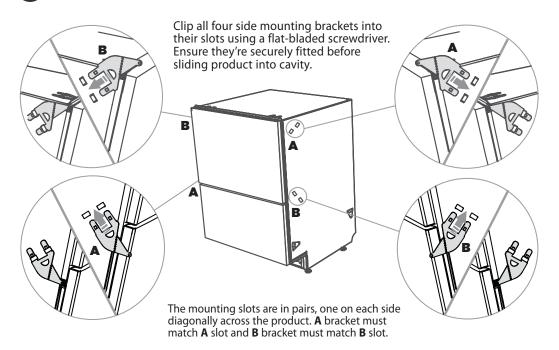


# NOW CHOOSE WHICH INSTALLATION METHOD (a) or (b) IS MORE SUITABLE FOR YOUR CABINETRY...

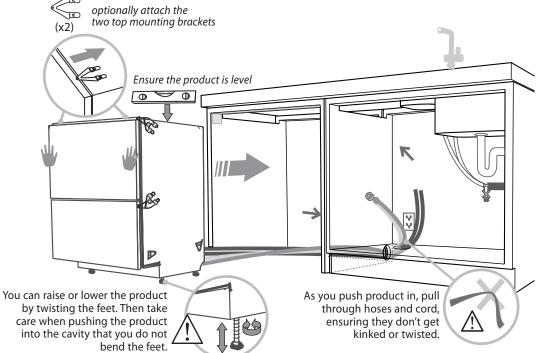
RECOMMENDED METHOD (a) - SECURE WITHOUT DRAWER REMOVAL (FRAMELESS CABINETRY ONLY)



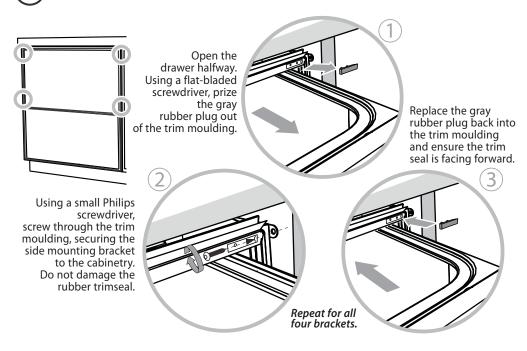
### (00) ATTACH SIDE MOUNTING BRACKETS

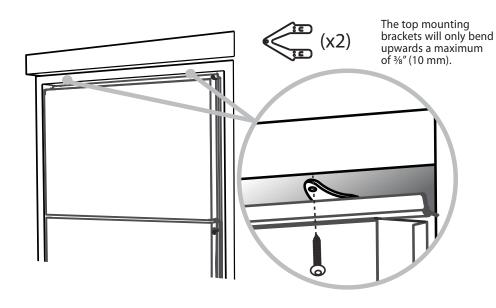


### (11a) PULL THROUGH HOSES & PUSH INTO THE CAVITY

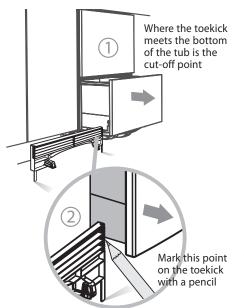


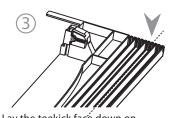




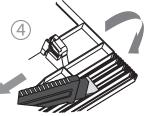


### (14a) FIT THE SUPPLIED TOEKICK PANEL (OPTIONAL FOR INTEGRATED MODELS)





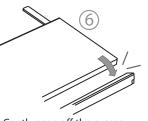
Lay the toekick face down on a chopping board or similiar



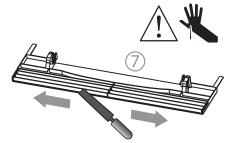
Score along with a knife



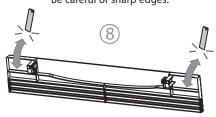
Turn the toekick over and score along the same line



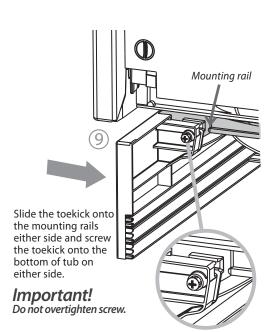
Gently snap off the excess



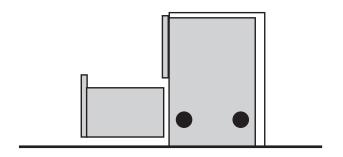
Smooth the edge with a file. Be careful of sharp edges.



Snap off the two end tabs

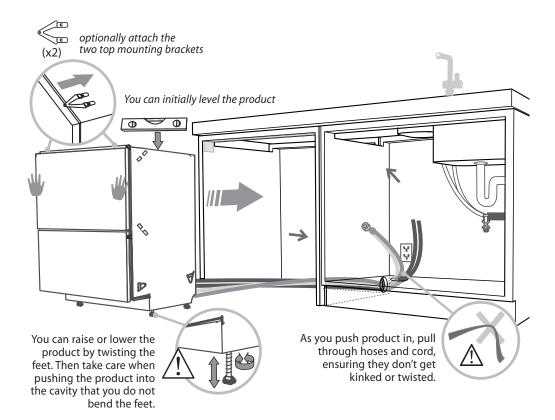


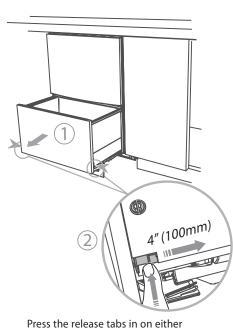
### ALTERNATIVE METHOD (b) - SECURE BY DRAWER REMOVAL



# (10b) PULL THROUGH HOSES & PUSH INTO THE CAVITY

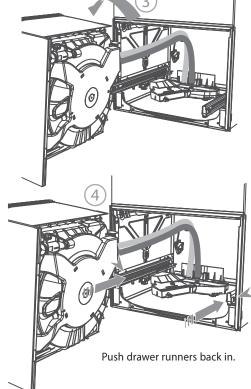
# 11b) REMOVE THE LOWER DRAWER



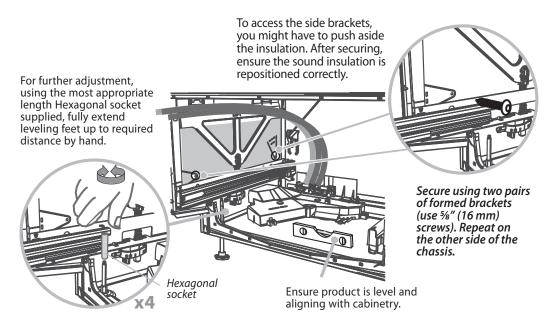


Press the release tabs in on either side and push back to release drawer from runners.

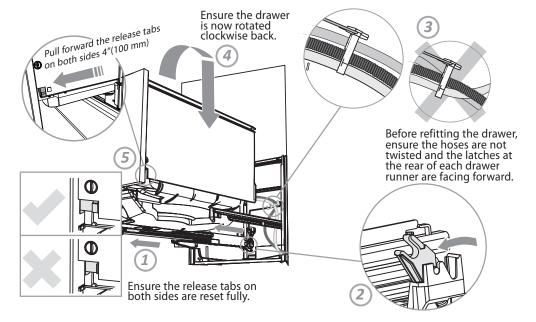
To prevent kinked hoses, we recommend rotating the drawer counter-clockwise and resting it on its side after removal.



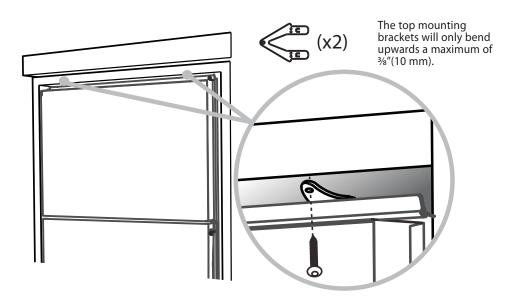
### **SECURE TO THE CABINETRY ON THE SIDES**



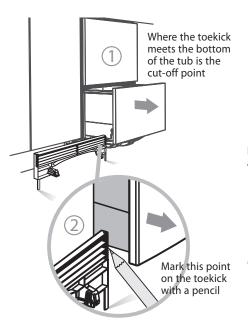
# 14b) REFIT THE DRAWER ONTO THE RUNNERS

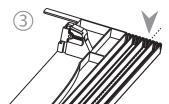




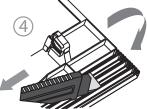


### (15b) FIT THE SUPPLIED TOEKICK PANEL (OPTIONAL FOR INTEGRATED MODELS)

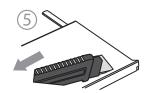




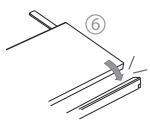
Lay the toekick face down on a chopping board or similiar



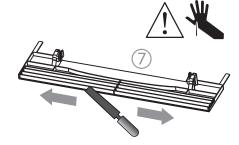
Score along with a knife



Turn the toekick over and score along the same line



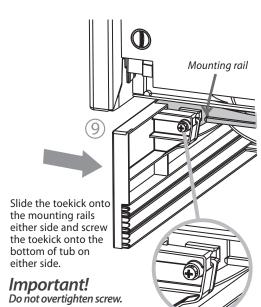
Gently snap off the excess



Smooth the edge with a file. Be careful of sharp edges.



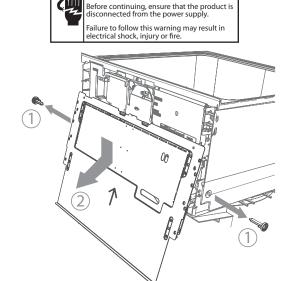
Snap off the two end tabs

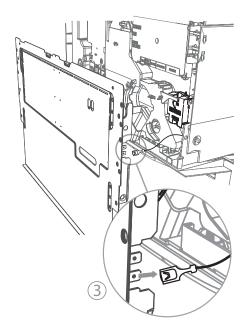


# 16) REMOVE BRACKETS FROM PRODUCT

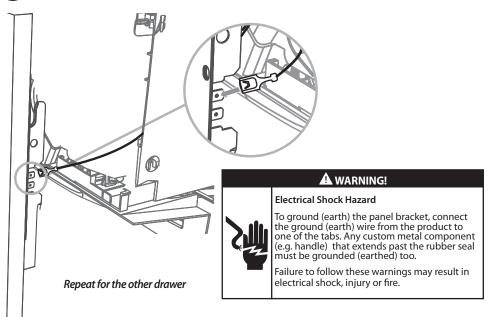
**⚠** WARNING!

**Electrical Shock Hazard** 

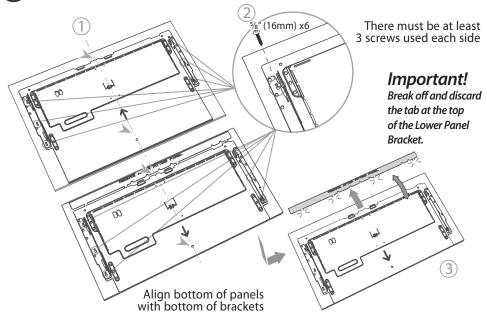




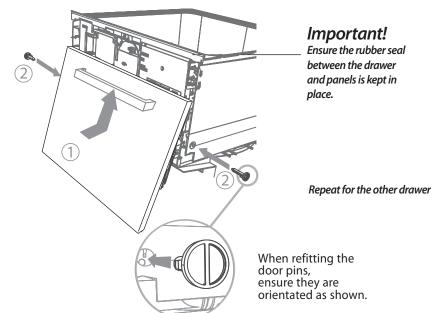
### **(18)** GROUND THE PANELS



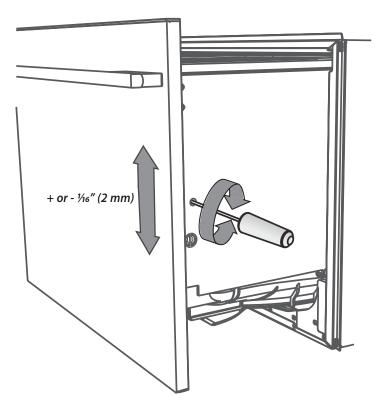
### 77) ATTACH PANELS TO PANEL BRACKETS



### **19) ATTACH PANELS TO PRODUCT**



# 20 ADJUST PANEL HEIGHT TO ALIGN THE CABINETRY GAPS



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.

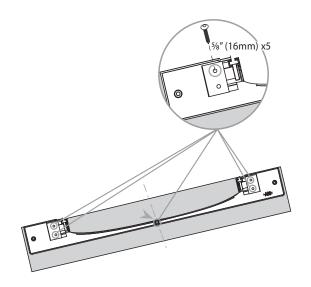
Repeat on the other side if necessary.

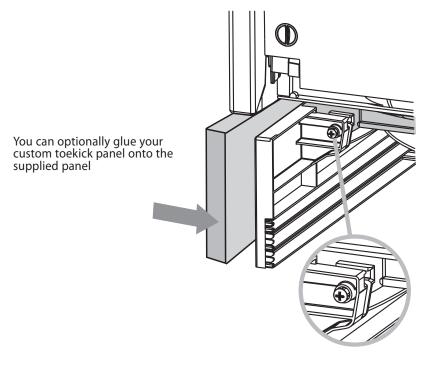
Each panel has a maximum travel of %6'' (2 mm) up or down.

### Important!

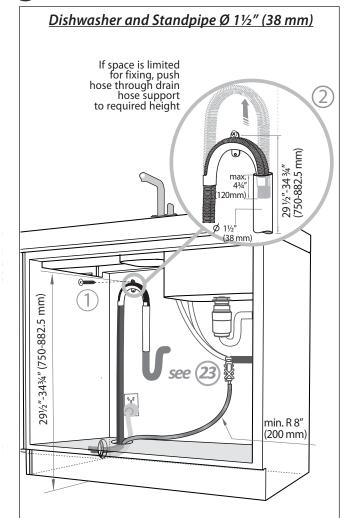
Ensure that you maintain a minimum of  $\frac{5}{6}$ " (8 mm) ventilation gap between the upper and lower panels.

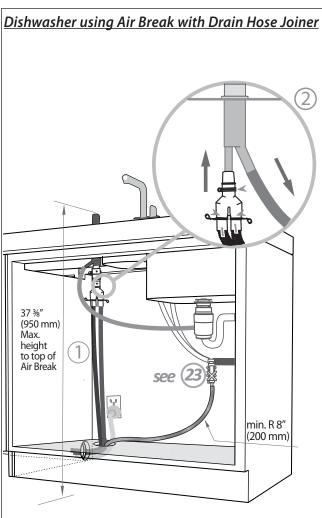
# **21) FITTING A CUSTOM TOEKICK PANEL**

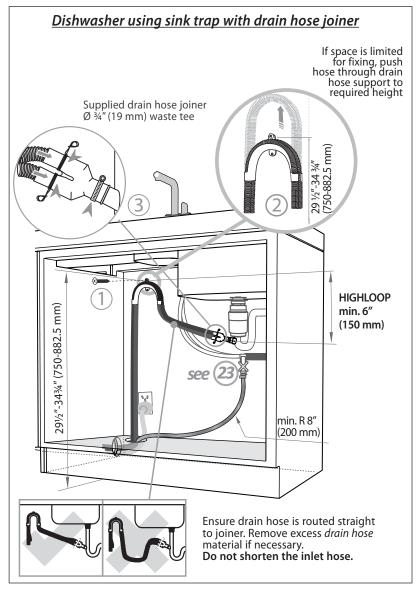




### THERE ARE THREE DIFFERENT DRAINAGE OPTIONS. CHOOSE WHICH IS MORE SUITABLE.







# **CONNECT INLET HOSE TO HOT WATER**

Ensure the supplied rubber washer is

fitted inside the coupling.



(24) SWITCH PRODUCT ON

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

# **25) FINAL CHECKLIST**

$\checkmark$	
	Check all parts are installed.
	Ensure product is level, securely fastened to the cabinetry and opens and
	closes freely. The drawers 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 drawers. Turn on the power and water supplies, then open the drawers. You should hear a beep and see a program indicator light up on the internal control panel.
	Check the spray arms are in place and free to rotate.
	Spray arm
	Add three cups of water into each drawer. Press on the internal control pane until the indicator of the 'Rinse' program lights up. Close the drawers and press to start the program.
	After the Rinse program has finished, ensure the dishwasher has run and drained correctly.
П	Check water supply and drainage connection for leakage.

# 26) 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.