



Discovery® 42" Wide, Built-In Refrigerator with Dispenser

PLANNING GUIDE

WARNING

- Observe governing codes and ordinances. Contact your local building department for details as needed.
- Install this refrigerator per the directions in this document.

Water-Supply Requirements

- To function properly, the water dispenser and icemaker need a cold-water pressure of 30 – 120 psi (207 – 827 kPa). A licensed plumber can answer questions about water pressure.
- Install a shut-off valve between the refrigerator and water supply. Use 1/4" copper tubing with compression nut and sleeve. After connecting the tubing, check for leaks.
- Do not use a piecing type or 3/16" (5 mm) saddle valve which will reduce water flow and clog more easily.

IMPORTANT

Install copper tubing only in geographic regions where interior temperatures remain above freezing (32°F/0°C).

- The plumbing for the water line can come through the floor flush with or from the back wall. The preferred location is in a cabinet beside the refrigerator, preferably on the right.

Reverse-Osmosis Water System

IMPORTANT—Reverse Osmosis

- Water pressure *from* the household cold-water supply *to* a reverse-osmosis system must be 40–60 psi (276–414 kPa).
- Pressure *from* a reverse-osmosis system *to* the refrigerator inlet valve must be 30–120 psi (207–827 kPa).

Electrical Requirements

- You must be able to plug the refrigerator power cord directly into a grounded, non-GFCI electrical outlet. (Do not use an extension cord, power strip, or 2-prong adaptor to connect the refrigerator to its power source.)
- Do not use an outlet that can be turned off by a switch.
- A 115 V, 60 Hz AC only 15- or 20-Amp fused, grounded electrical supply is required. Dacor recommends connecting the refrigerator to its own dedicated circuit.
- The circuit must be protected by an proper-size fuse or a circuit breaker.

Location Requirements

The refrigerator is designed for flush installation in a recess between cabinets.

- The refrigerator should be at least 12" (30 cm) from heat sources (e.g., ranges, cooktops, ovens, heaters) and away from direct sunlight/humidity.
- Leave at least 1/2" (1.3 cm) of ventilation space around the refrigerator.
- Do not install the refrigerator on a rug, carpeting, or any kind of matting.
- Ensure the floor under the refrigerator is flat, level, and strong enough to support 600 lbs (272 kg) without sagging; do not install the refrigerator on a raised platform or sub-flooring.
- Do not install the refrigerator in any kind of space where the ambient temperature would be less than 50°F (10°C).

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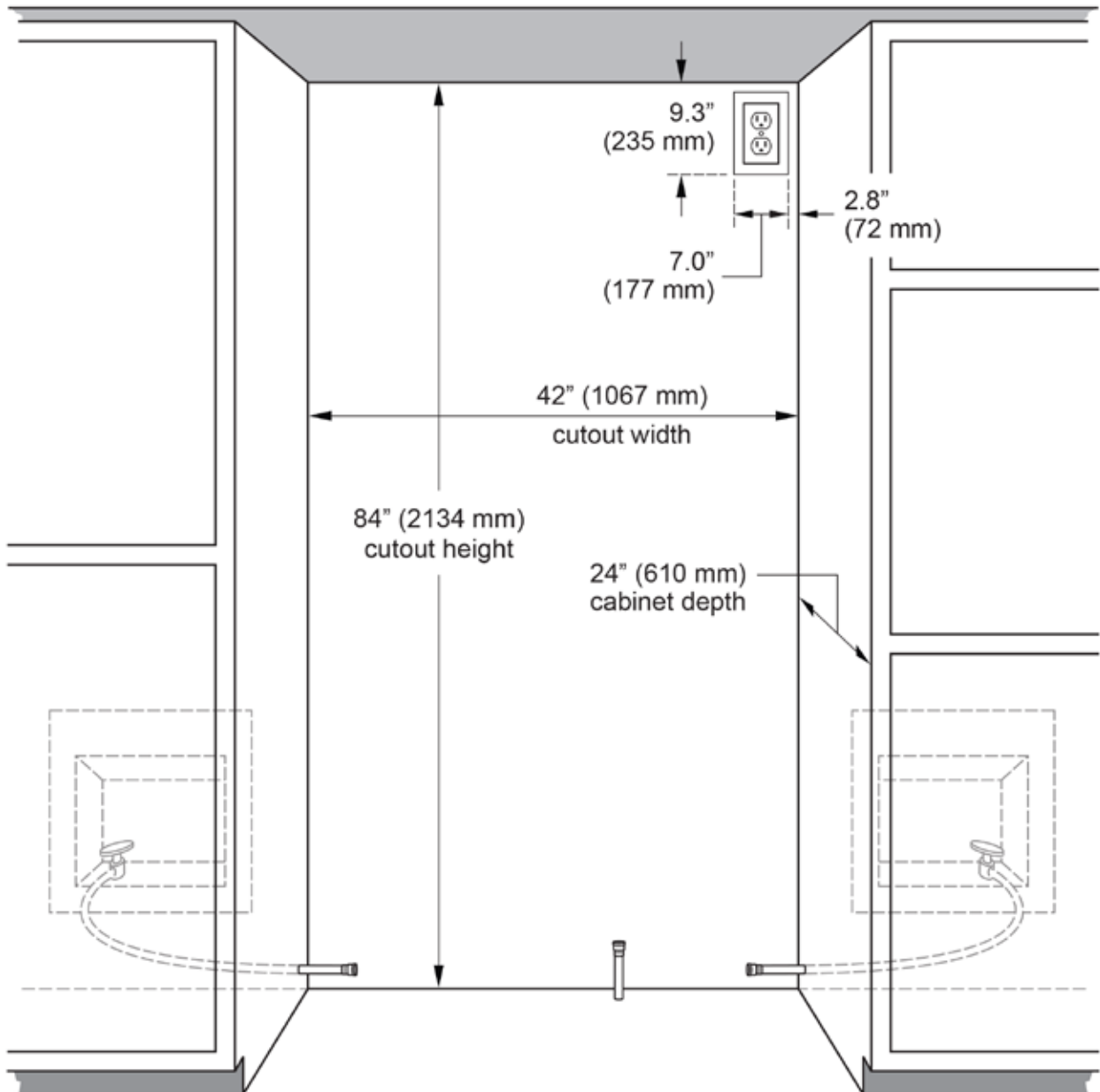
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The refrigerator cabinet "cutout" must conform to these details:

- Cutout dimensions: 42"W x 84"H x 24"D (1067mm x 2134mm x 610mm).
- Install the refrigerator so it can be pulled from its space for service/cleaning without detaching the water line.
- The cutout floor must be level with the kitchen floor.

- The refrigerator's face (excl. handles) must be flush with the cabinetry on either side.
- The water line can enter the cutout through the floor, lower rear wall, or lower cabinetry side wall. (The graphic shows the floor and side walls.) The shut-off valve must be easily accessible for service/emergencies.
- The water line connects the house's cold-water line with the refrigerator's water-line connector. (The line should be long enough to reach the front of the refrigerator.)
- Dacor recommends placing a mat under the refrigerator during preparation to prevent damage to the flooring.



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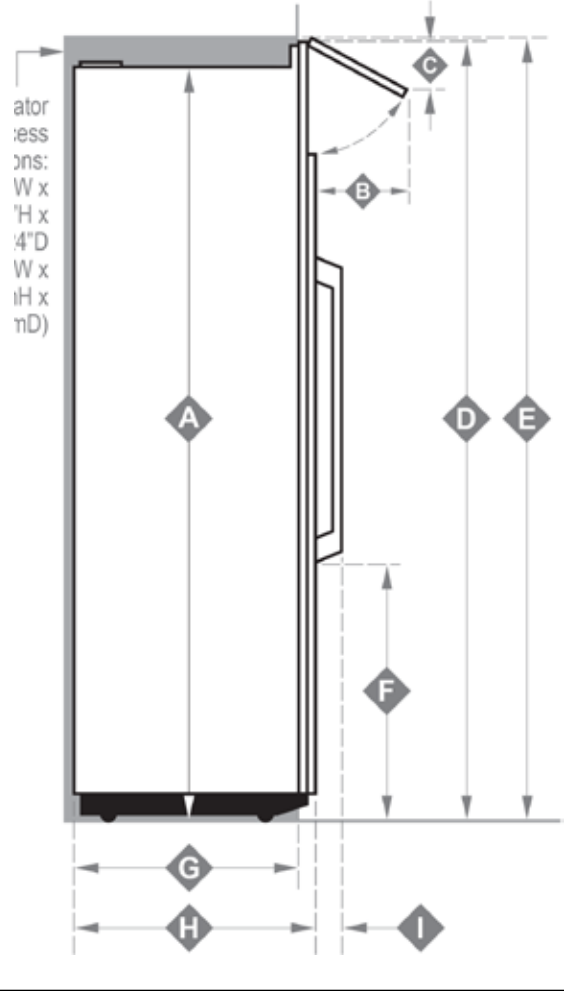
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⚠ WARNING

- Observe governing codes and ordinances. Contact your local building department for details as needed.
- Install this refrigerator per the directions in this document.
- Product dimensions, and cutout/installation specifications are for planning purposes only.
- Before installation: Ensure the refrigerator meets all cutout and electrical/gas requirements; cross-check these dimensions/measurements with those of the actual refrigerator.

HEIGHT AND DEPTH MEASUREMENTS

Callout	Measured Feature	in.	cm
A	Floor to top of fridge chassis	81 1/2	207.0
B	Upper-grill door fully open (face of fridge to most forward point)	10	25.4
C	Upper-grill door fully open (top of fridge down to most forward point)	5 1/2	14.0
D	Overall fridge height (floor to top of trim)	83 1/2	212.1
E	Height of fridge cabinet recess	83 3/4	212.7
F	Distance, floor to bottom of fridge handle	28 3/4	73.0
G	Depth of fridge chassis (excl. doors)	24	61.0
H	Depth of fridge chassis (incl. doors)	26	66.0
I	Depth of fridge handles	2 1/2	6.4



Installing the Anti-Tip Brackets

These brackets are a safety measure that keep the top-heavy fridge from falling out of its enclosure.

1. Measure distance from the floor to the top-rear surface of the fridge.
2. Using the measurement in Step 1, mark a *level* line across the cutout rear wall at height at which you will attach the brackets. (The mark should be where the *bottom* of the bracket arms overhang the top of the fridge so it fits under the brackets.)

👉 NOTE

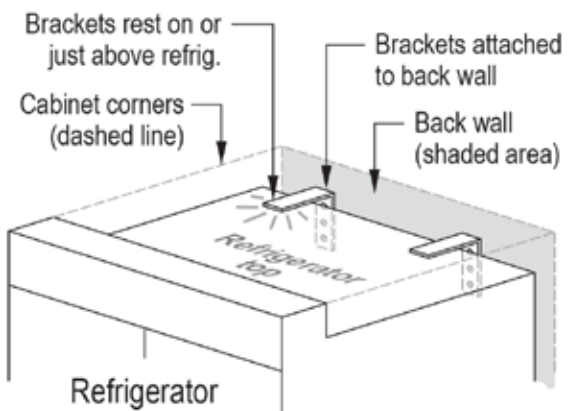
For this fridge model, the distance from the floor to the bottom surface of the bracket overhang should be 81.75" (2076.5 mm), but be sure to double-check this measurement to avoid complicating the installation.

3. Snugly attach the anti-tip brackets to the fridge-cabinet back wall.

👉 NOTE: Alternate Method

Use this anti-tip method for steel-stud walls.

1. (The fridge face is flush with the surrounding cabinetry) Adjust the fridge height to just touch the cutout opening.
2. Open the top grill panel to access the top case trim.
3. With 5mm bit, drill four evenly spaced holes along the metal upper-case trim.
4. With 2 mm bit, drill pilot holes through each hole in the metal into the wood above the fridge.
5. Install a 38 mm drywall screw into each pilot hole.

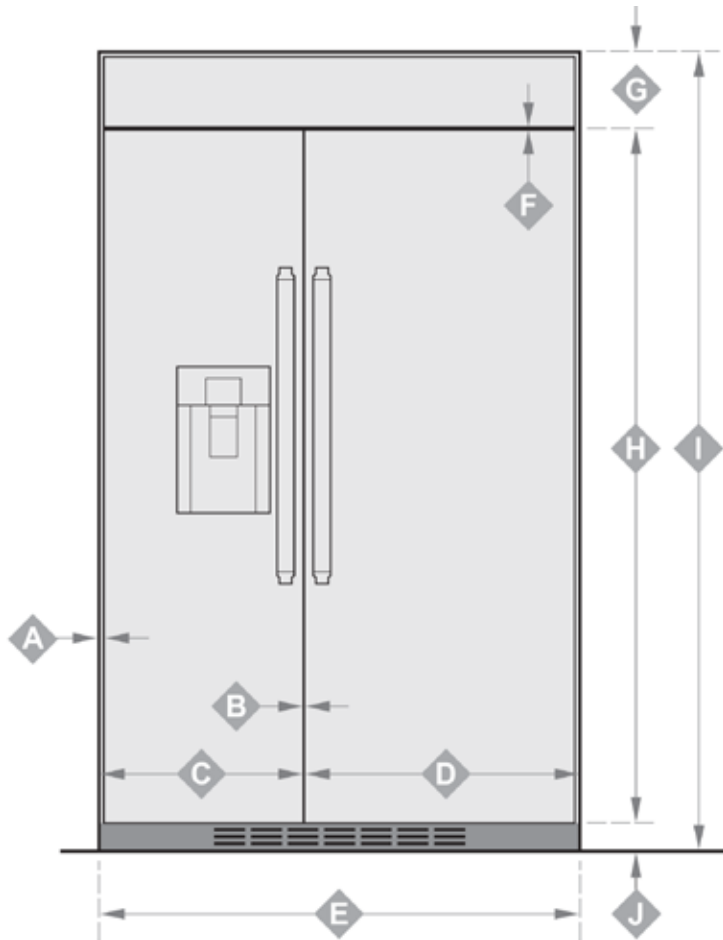


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HEIGHT AND DEPTH MEASUREMENTS			
Callout	Measured Feature	in.	cm
A	Trim width	1/4	.6
B	Space between doors	3/8	1.0
C	Width, freezer door	17 5/8	44.8
D	Width, fridge door	23 1/2	59.7
E	Overall width (incl. trim)	42	106.7
F	Space between upper grill/doors	1/2	1.3
G	Height, upper grill (incl. trim)	11 1/2	29.2
H	Height, fridge doors	68 1/8	173.0
I	Overall fridge height (floor to top of trim)	83 1/2	212.1
J	Height, base grill (floor to bottom of doors)	3 5/8	9.2
K	Freezer door handle to chassis (door fully open 135°)	10 1/2	26.7
L	Fridge chassis width (excl. trim)	41	104.1
M	Width, handle to handle (freezer/fridge doors fully open 135°)	65	165.1
N	Overall depth of fridge (incl. door handle)	28 3/8	72.1
O	Depth of fridge (incl. door)	25 7/8	65.7
P	Depth of fridge (excl. door)	24	61.0
Q	Face of fridge to forward-most edge of fridge door (door fully open 135°)	22 1/2	57.2
R	Fridge door handle to chassis (door fully open 135°)	13 1/4	33.7
S	Depth, back of fridge to forward-most edge of fridge door (door fully open 135°)	48 3/8	122.9
T	Depth, back of fridge to forward-most edge of fridge door (door open 90°)	49 3/8	125.4

