

SECTION 11 31 00

RESIDENTIAL APPLIANCES

PART 1 – GENERAL

1.1 PURPOSE

- A. This guideline is intended to provide useful information to the Professional Service Provider (PSP) to establish a basis of design. PSP is to apply the principles of this section such that the University of Texas at Arlington (UTA) may achieve a level of quality and consistency in the design and construction of their facilities. Deviations from these guidelines must be approved by UTA and may require justification through Life Cycle Cost (LCC) analysis and submitted to UTA for approval.

1.2 LESSONS LEARNED AND DESIGN CONSIDERATIONS

- A. **Ensure sufficient side clearances for refrigerator doors to open fully and for bins to slide out fully during use and maintenance.**
- B. **No recirculating vent hood.**

1.3 SECTION INCLUDES

- A. Kitchen appliances.

1.4 REFERENCE STANDARDS

- A. UL (DIR) - Online Certifications Directory; current listings at www.database.ul.com.

1.5 SUBMITTALS

- A. See Division 01 for submittal procedures.
- B. Product Data: Manufacturer's data indicating dimensions, capacity, and operating features of each piece of residential equipment specified.
- C. Copies of Warranties: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than 20 years of documented experience.
- B. Electric Appliances: Listed and labeled by UL (DIR) and complying with NEMA Standards (National Electrical Manufacturers Association).

1.7 WARRANTY

- A. See Division 01 for additional warranty requirements.
- B. Provide five (5) year manufacturer warranty on refrigeration system of refrigerators.
- C. Provide ten (10) year manufacturer warranty on magnetron tube of microwave ovens.

PART 2 – PRODUCTS

2.1 KITCHEN APPLIANCES

- A. Provide Equipment Eligible for Energy Star Rating: Energy Star Rated.
- B. Ice Maker: ADA, free standing, undercounter ice maker, auto defrost.
 - 1. Capacity: 40 pounds of clear ice cubes.
 - 2. Features:
 - a. Every 12 hours, unit perform 20 minute purge to rid itself of impurities.
 - b. Corrosion resistant stainless steel exterior.
 - c. Self-contained design reduces opportunities for cross contamination.
 - d. Dispenses water and ice.
 - e. Stainless steel auger with greaseless bearing.
 - 3. Finish: Stainless steel.
 - 4. Basis of Design Manufacturer:

GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION DOCUMENTS

- a. Hoshizaki; Model No. DCM-500BAH.
- C. Refrigerator: Large-capacity 3 Door French door with water and ice dispenser.
 - 1. Capacity: 24.1 cu. ft.
 - 2. Features:
 - a. Dual ice makers.
 - b. Smart Cooling System.
 - c. Electronic Temperature Controls.
 - d. Premium Water Filtration System.
 - e. Door Alarm.
 - 3. Finish: Black Stainless Steel.
 - 4. Basis of Design:
 - a. LG Electronics; Model No. LFX25973.
- D. Refrigerator: Top freezer.
 - 1. Capacity: 18.2 cu. ft.
 - 2. Features:
 - a. Reversible door hinge.
 - b. AccuChill temperature-management system.
 - c. Up-Front Temperature Controls.
 - d. Full-width freezer shelf.
 - e. Optional ice maker in freezer.
 - f. Flexible storage with wire shelves and deli and veggie bins.
 - 3. Finish: White.
 - 4. Basis of Design:
 - a. Whirlpool; Model No. ET8WTKXK.
- E. Refrigerator: Top freezer.
 - 1. Capacity: 10.7 cu. ft.
 - 2. Features:
 - a. Reversible door hinge.
 - b. Up-Front Temperature Controls.
 - c. Half-width freezer shelf.
 - d. Optional ice maker in freezer.
 - e. Flexible storage with wire shelves.
 - 3. Finish: White.
 - 4. Basis of Design:
 - a. Whirlpool; Model No. WRT111SFD.
- F. Stove: Large-capacity, electric slide-in range.
 - 1. Capacity: 6.3 cu. ft.
 - 2. Features:
 - a. ProBake Convection.
 - b. EasyClean cooktop and Self Clean oven.
 - c. Controls: Front Tilt-Control knobs for cooktop and Glass Touch for oven.
 - d. WideView Window oven door feature.
 - 3. Finish: Black Stainless Steel.
 - 4. Basis of Design:
 - a. LG Electronics; Model No. LSE4613BD.
- G. Stove: Large-capacity, electric slide-in range.
 - 1. Features:
 - a. Electric coils.
 - b. Self-Clean oven.
 - c. Controls: Back control knobs for cooktop and oven.
 - d. Storage drawer.
 - 2. Finish: White.
 - 3. Basis of Design:
 - a. Whirlpool; Model No. RF362BXX.
- H. Stove: Large-capacity, electric slide-in range.
 - 1. Capacity: 4.1 cu. ft.

GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION DOCUMENTS

2. Features:
 - a. Electric coils.
 - b. Chrome drip pans
 - c. Manual-Clean porcelain oven.
 - d. Controls: Back control knobs for cooktop and oven.
 - e. Storage drawer.
 3. Finish: White.
 4. Basis of Design:
 - a. Kenmore; Model No. 22-90821.
- I. Vent Hood: Wall-Mount Canopy Range Hood.
1. Width: 36".
 2. Duct vented installation.
 3. Finish: Stainless Steel.
 4. Basis of Design:
 - a. Whirlpool; Model No. W10320580D.
- J. Microwave: Countertop.
1. Capacity: 2.0 cu. ft.
 2. Features:
 - a. Smart Inverter.
 - b. EasyClean interior.
 - c. Controls: SmoothTouch Glass Touch.
 - d. Hexagonal stable ring.
 - e. LED interior light
 3. Finish: Black Stainless Steel.
 4. Basis of Design:
 - a. LG Electronics; Model No. LMC2075BD.
- K. Washer: Front-Load Electric Washer.
1. Capacity: 3.5 cu. ft.
 2. Features:
 - a. Deep Clean wash system.
 - b. Core Control temperature management.
 - c. Quiet Spin technology.
 - d. Stainless steel wash drum.
 - e. Energy Star
 3. Finish: White.
 4. Basis of Design:
 - a. Whirlpool; Model No. WFW9151Y.
- L. Washer: Top-Load Electric Washer.
1. Capacity: X cu. ft.
 2. Finish: White.
 3. Basis of Design:
 - a. Whirlpool; Model No. LXR7244J.
- M. Dryer: Front-Load Electric Washer.
1. Capacity: 6.7 cu. ft.
 2. Features:
 - a. High-efficiency Sensor Drying.
 - b. AccelerCare drying system.
 - c. Wrinkle Shield Plus.
 - d. Eco Normal Cycle.
 3. Finish: White.
 4. Basis of Design:
 - a. Whirlpool; Model No. WED9151Y.
- N. Dryer: Top-Load Electric Dryer.
1. Capacity: 5.9 cu. ft.
 2. Features:
 - a. Gentle Heat System.

GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION DOCUMENTS

- b. Automatic Dry System.
- c. Reversible Side-swing door.
- d. DuraWhite Interior.
- 3. Finish: White.
- 4. Basis of Design:
 - a. Whirlpool; Model No. LER4634J.
- O. Undercounter Dishwasher:
 - 1. Finish: White.
 - 2. Basis of Design:
 - a. Whirlpool; Model No. DU810SWK.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify utility rough-ins are provided and correctly located.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.3 ADJUSTING

- A. Adjust equipment to provide efficient operation.

3.4 CLEANING

- A. Remove packing materials from equipment and properly discard.
- B. Wash and clean equipment.

PART 4 – APPENDIX

4.1 PRODUCT DATA

- A. Hoshizaki; Model No. DCM-500BAH.
- B. LG Electronics; Model No. LFX25973.
- C. Whirlpool; Model No. ET8WTKXX.
- D. Whirlpool; Model No. WRT111SFD.
- E. LG Electronics; Model No. LSE4613BD.
- F. Whirlpool; Model No. RF362BXX.
- G. Kenmore; Model No. 22-90821.
- H. Whirlpool; Model No. W10320580D.
- I. LG Electronics; Model No. LMC2075BD.
- J. Whirlpool; Model No. WFW9151Y.
- K. Whirlpool; Model No. LXR7244J.
- L. Whirlpool; Model No. WED9151Y.
- M. Whirlpool; Model No. LER4634J.
- N. Whirlpool; Model No. DU810SWK.

END OF SECTION



DCM-500B_H


SANITARY CUBELET ICE MACHINE/DISPENSER




DCM-500B_H
11/03/17
Item # 13226

Item #: _____
Project: _____
Qty: _____
AIA#: _____

Features

- ▶ Durable stainless steel exterior
- ▶ Advanced CleanCycle24™ design 
- ▶ Stainless steel auger with greaseless bearing

- Up to 618 lbs. of ice production per 24 hours
- Built-in storage capacity of 1.3ft³/40 lbs.*
- Every 12 hours, unit performs 20 minute purge to rid itself of impurities
- Corrosion resistant stainless steel exterior
- Easy to chew, cubelet ice
- Self-contained design reduces opportunities for cross contamination
- Protected by H-GUARD Plus Antimicrobial Agent 
- Dispenses ice and water
- R-404A Refrigerant

Warranty:

3 Year Parts & Labor on entire machine.
5 Year Parts on Compressor; air-cooled condenser coil.
Valid in United States, Canada, Puerto Rico and U.S. Territories. Contact factory for warranty in other countries.
*Rated in accordance with AHRI Standard 820(I-P). Capacity based on 100% of total volume x 30 lb/ft³ average density of ice.

W x D x H
26" x 22¹/₂" x 40"

SD-450
26¹/₄" x 22" x 32¹/₂"

SD-500
25⁹/₁₀" x 22" x 32³/₄"



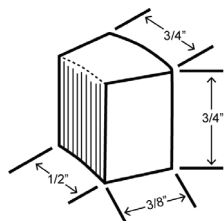
DCM-500BAH
Air-Cooled
Shown with optional
SD-450 Stand

DCM-500BWH
Water-Cooled



Condenser	Model	ICE PRODUCTION			WATER USAGE			ELECTRICAL			Heat Rejection BTU/hr.	Shipping Weight	ENERGY STAR®
		Air / Water Temp Lbs. per 24 hours 70°/ 50°F	90°/ 70°F	Type of Ice (Hardness Rating)	Potable Gal. per 100 lbs. 90°/ 70°F	Condenser Gal. per 100 lbs. 90°/ 70°F	kWh Used per 100 lbs. 90°/ 70°F	Max. Fuse Size or HACR Circuit Breaker	Amperage	Voltage			
Air-Cooled	DCM-500BAH	618	450	Cubelet (88)	12.0	N/A	5.62	20A	12.9A	115V/60/1	7,000	253 lbs.	
Water-Cooled	DCM-500BWH	590	512	Cubelet (88)	12.0	112	4.48	20A	12.6A	115V/60/1	6,000	253 lbs.	

Cubelet Dimensions*



* approximate size in inches, image not to scale

Operating Limits

- Ambient Temp Range 45 - 100°F
- Water Temp Range 45 - 90°F
- Water Pressure 10 - 113 PSIG
- Voltage Range 104 - 127V

Service

- Allow 6" (15 cm) clearance at rear and sides for proper air circulation and ease of maintenance/ service should they be required. Allow 24" (61 cm) clearance at top to allow for removal of the auger.

Plumbing

- Icemaker Water Supply Line: Minimum 1/4" Nominal ID Copper Water Tubing or Equivalent
 - Icemaker Drain Line: Minimum 3/4" Nominal ID Hard Pipe or Equivalent
- Water-Cooled Model (Lines Must Be Independent of Icemaker)
- Condenser Water Supply Line: Minimum 1/4" Nominal ID Copper Water Tubing or Equivalent
 - Condenser Drain/Return Line: Minimum 1/4" Nominal ID Hard Pipe (open drain system) or Copper Water Tubing (closed loop system) or Equivalent



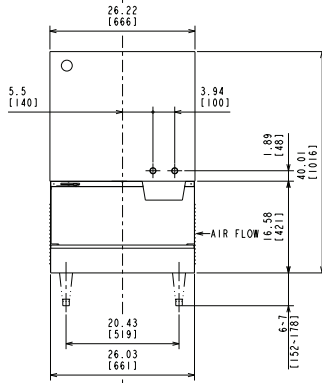
DCM-500B_H

SANITARY CUBELET ICE MACHINE/DISPENSER

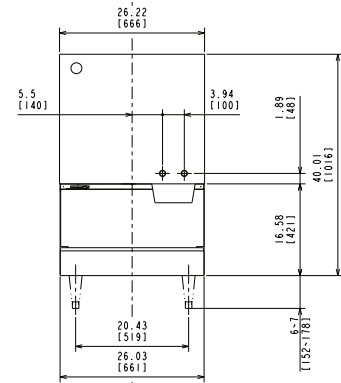


DCM-500B_H
11/03/17
Item # 13226

FRONT VIEW



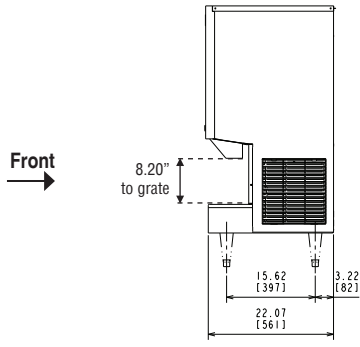
AIR-COOLED



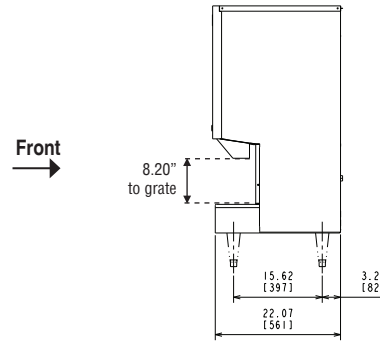
WATER-COOLED

inch
[mm]

SIDE VIEW

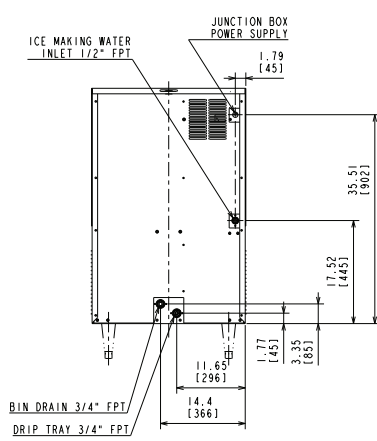


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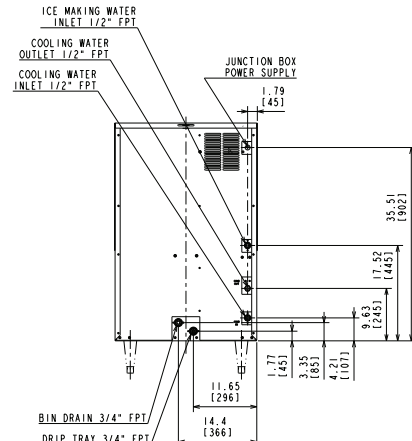


WATER-COOLED

REAR VIEW

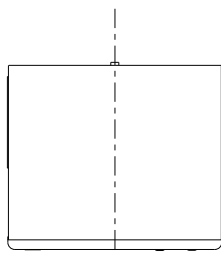


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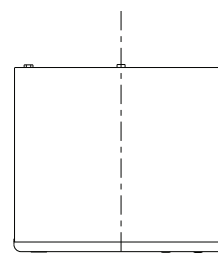


WATER-COOLED

TOP VIEW



AIR-COOLED



WATER-COOLED

REFRIGERATION

LFX25973_

Large-Capacity 3 Door French Door Refrigerator w/ Dual Ice Makers

ELEGANCE WITH GREAT CONVENIENCE.

Now you can keep your refrigerator organized instead of just wishing you could. With 24 cubic feet to work with, you get lots of great space and two ice makers to keep plenty of ice on hand for the family reunion. Plus, our Smart Cooling technology is designed to help keep all your food fresher, longer. Now available in Black Stainless Steel!

STYLE AND DESIGN

- 24.1 cu.ft.
- Slim SpacePlus® Ice System
- Premium Finish in Black Stainless Steel and Stainless Steel
- Contoured Doors with Matching Commercial Handles
- SmartPull™ Freezer Handle
- Hidden Hinges
- Premium LED Interior Light

ORGANIZATION

- 4 Split SpillProtector™ Tempered Glass Shelves
- Full Width, Temperature-Controlled Glide N' Serve™ Drawer
- 2 Humidity Crispers
- 6 Door Baskets (1 Adjustable Gallon Size)
- DuraBase™ Solid Drawer Base

PERFORMANCE

- Smart Cooling System
- Dual Ice Makers
- Linear Compressor
- 10 Year Limited Manufacturer's Warranty on Linear Compressor
- Multi-Air Flow
- Electronic Temperature Controls
- Tall Ice & Water Dispenser
- Premium Water Filtration System
- Door Alarm
- LoDecibel™ Quiet Operation



KEY FEATURES

Black Stainless Steel Series

Deep yet brilliantly appealing, the LG Black Stainless Series brings an undeniable lustre to kitchen spaces. Your refrigerator will start out beautiful—and stay that way thanks to the fingerprint-resistant, easy-care finish.

Slim SpacePlus® Ice System

Ice makers are great, but not if it means you can't fit all of your food in the fridge. The Slim SpacePlus® Ice System provides maximum shelf space* and allows even more space for door bins.

Dual Ice Makers

With Slim SpacePlus ice maker in the door and another ice maker in the freezer, LG gives you enough ice to fill the cooler and serve the whole party.

REFRIGERATION

LFX25973_

Large-Capacity 3 Door French Door Refrigerator w/ Dual Ice Makers

CAPACITY	
Refrigerator	16.40 cu. ft.
Freezer	7.70 cu. ft.
Total	24.1 cu. ft.
FEATURES	
Ice & Water Dispenser	•
Dispenser Type	Integrated Tall Dispenser
Dual Ice Makers	•
Ice System	Slim SpacePlus®
Daily Ice Production	6 lbs / 6.5 (IcePlus)
Ice Storage Capacity	2.5 + 4.0 lbs
Water Filtration System	LT500P
Smart Cooling System	•
Dispenser Light	•
Multi Air Flow Cooling	•
Temperature Sensors	7
Linear Compressor	•
Display Type	Membrane / Green LED
Temperature Controls	Electronic/Digital
Door Alarm	•
Child Lock	•
LoDecibel™ Quiet Operation	•
Auto Closing Door Hinge	•
ADA Compliant	•
REFRIGERATOR	
No. of Shelves	4 Split
Cantilevered Shelves	•
Shelf Construction	SpillProtector™ Tempered Glass
Crisper Bins	2 Humidity Crispers
Glide N' Serve™ Drawer	•
Refrigerator Light	Premium LED
REFRIGERATOR DOOR	
No. of Shelves/Bin	6 Total (1 Adjustable Gallon Sized)
Door Bin Construction	Clear Bins with Deco
Dairy Corner	•

FREEZER	
Door Type	Pull Drawer
Drawers	2-Tier Organization
DuraBase™ Solid Drawer Base	•
Drawer Divider	•
Ice Bin	2 (Door & Freezer)
Freezer Light	LED Lighting
Handle	Vista
MATERIALS AND FINISHES	
Contour Door	•
Hidden Hinges	•
Toe Grille	•
Surface	Coated Metal, Stainless Steel
Back	Flush & Metal cover over mechanical parts
Available Colors	Black Stainless Steel (D), Stainless Steel (ST)
Handles	Matching Commercial Handles
DIMENSIONS/CLEARANCES/WEIGHT	
Depth with Handles	34 1/4"
Depth without Handles	31 3/4"
Depth without Door	27 7/8"
Depth (Total with Door Open)	46 1/2"
Height to Top of Case	68 3/8"
Height to Top of Door Hinge	69 3/4"
Width	35 3/4"
Width (Door Open 90° with Handle)	44 1/4"
Width (Door Open 90° without Handle)	39 1/4"
Door Edge Clearance with Handle	4 1/2"
Door Edge Clearance without Handle	1 3/4"
Installation Clearance	Sides 1/8", Top 1", Back 1"
Weight (Unit/Carton)	309 lbs./334 lbs.
Carton Dimensions (WxHxD)	38" x 73" x 38"
WARRANTY	
	1 Year Parts and Labor, 7 Years on the Sealed System, 10 Years on Linear Compressor
UPC CODES	
LFX25973ST	Stainless Steel 048231 784238
LFX25973D	Black Stainless Steel 048231 787390



LG Electronics U.S.A., Inc.

1000 Sylvan Avenue Englewood Cliffs, NJ 07632
Customer Service and Technical Support: (800) 243-0000

LG.com

Design, features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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PRODUCT MODEL NUMBERS

ER2CHMXP	ET8CHMXK
ER2MHKXP	ET8FTEXR
ET1CHEXS	ET8LFKXK
ET1CHMXK	ET8MHEXR
ET1FTKXK	ET8MHKXM
ET1LFKXK	ET8MHMXR
ET1MHEXR	ET8WTEXM
ET1MHKXM	ET8WTKXK
ET1MHMXR	GR2FHMXP
ET1PHKXP	GR9FHKXP
ET8CHEXS	GR9FHMXP
ET8CHKXK	GT2SHKXM
	GT2SHMXM

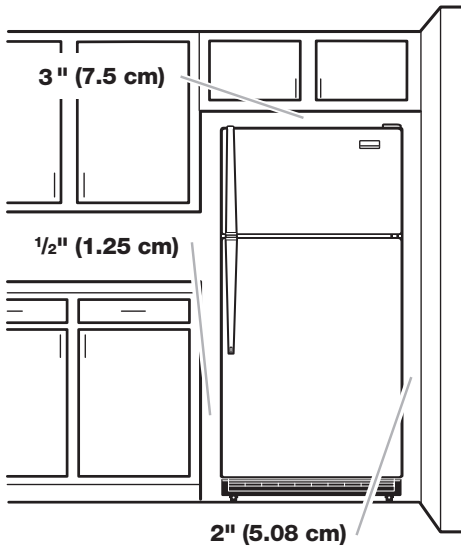
Electrical: A 115 Volt, 60 Hz., AC only 15 or 20 amp fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

Water: Connect the ice maker to a cold water line with water pressure between 30 and 120 psi.

If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the system needs to be a minimum of 40 to 60 psi (276 - 414 kPa).

IMPORTANT: The pressure of the water coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 30 and 120 psi (207 - 827 kPa).

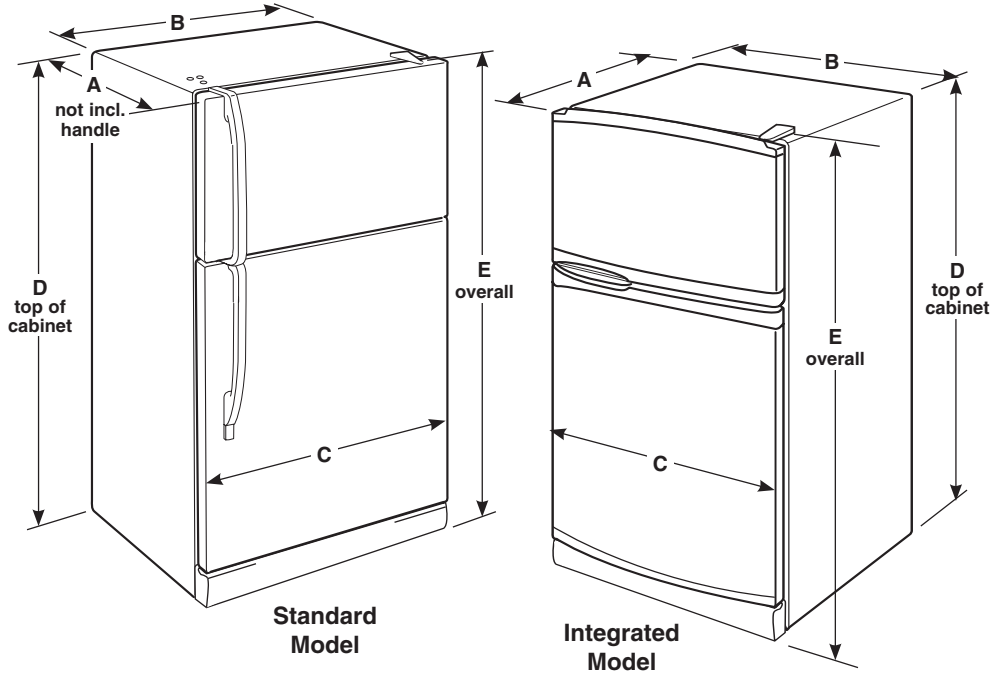
LOCATION REQUIREMENTS



To ensure proper ventilation for your refrigerator, allow for 1/2 in. (1.25 cm) space on each side and at the top. (At the top, when using half depth cabinet, use top of cabinet height "D" dimension. When using full depth cabinet, use overall "E" dimension.) When installing your refrigerator next to a fixed wall, leave 2 in. (5.08 cm) minimum on each side (depending on your model) to allow for the door to swing open. If your refrigerator has an ice maker, allow extra space at the back for the water line connections.

NOTE: Do not install the refrigerator near an oven, radiator, or other heat source, nor in a location where the temperature will fall below 55°F (13°C).

OVERALL DIMENSIONS



Model size	Depth "A"	Cab. Width "B"	Door Width "C"	Cab. Height "D"	Overall Height "E"
STANDARD MODELS					
18 cu.ft.	29 3/8"	29 1/2"	29 3/4"	65 1/2"	66 1/4"
19 cu.ft.	30 3/4"	29 1/2"	29 3/4"	65 1/2"	66 1/4"
21 cu.ft.	29 3/8"	32 1/2"	32 3/4"	65 1/2"	66 1/4"
22 cu.ft.	30 3/4"	32 1/2"	32 3/4"	65 1/2"	66 1/4"
INTEGRATED MODELS					
19 cu.ft.	31 1/2"	29 1/2"	30 1/8"	65 1/2"	66 1/2"
22 cu.ft.	31 1/2"	32 1/2"	33 1/8"	65 1/2"	66 1/2"

Whirlpool® Top Mount Refrigerator

PRODUCT MODEL NUMBERS

WRT111SFD

Electrical: A 115-volt, 60-Hz, AC-only, 15- or 20-amp fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

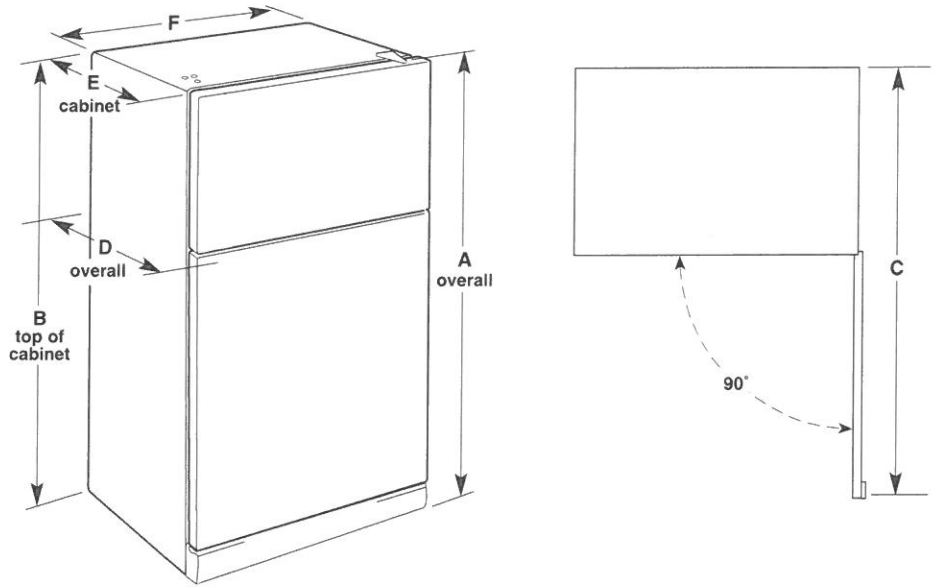
NOTE: Before performing any type of installation, cleaning, or removing a light bulb, turn the control (Thermostat, Refrigerator or Freezer Control depending on the model) to OFF and then disconnect the refrigerator from the electrical source. When you are finished, reconnect the refrigerator to the electrical source and reset the control (Thermostat, Refrigerator or Freezer Control depending on the model) to the desired setting. See "Using the Controls."

Water: A cold water supply with water pressure between 30 and 120 psi (207 and 827 kPa) is required to operate ice maker and water dispenser. If you have questions about your water pressure, call a licensed, qualified plumber.

IMPORTANT: The pressure of the water coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 30 and 120 psi (207 and 827 kPa).

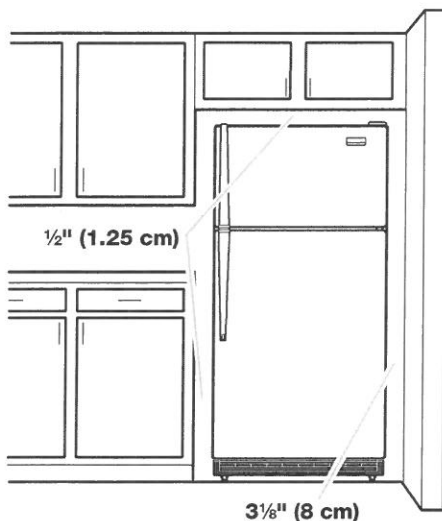
Reverse Osmosis Water Supply: If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa).

PRODUCT DIMENSIONS



Model Size	Reversible Door	Height - Overall "A"	Height - Top of Cabinet "B"	Depth - Door Open 90° "C"	Depth - Overall "D"	Depth - Cabinet Only "E"	Width - Cabinet "F"
10.7 cu. ft.	Yes	61¾" (156.8 cm)	60⅝" (153.4 cm)	48½" (123.2 cm)	28¼" (71.8 cm)	21½" (54.6 cm)	24½" (62.2 cm)

LOCATION REQUIREMENTS



To ensure proper ventilation for your refrigerator, allow for a ½" (1.25 cm) space on each side and at the top. Allow at least 2" (5.08 cm) between back of cabinet and the wall. If your refrigerator has an ice maker, make sure you leave some extra space at the back for the water line connections.

If you are installing your refrigerator next to a fixed wall, leave ¾" (8 cm) minimum on the hinge side (depending on your model) to allow for the door to swing open.

NOTE: This refrigerator is intended for use in a location where the temperature ranges from a minimum of 55°F (13°C) to a maximum of 110°F (43°C). The preferred room temperature range for optimum performance, which reduces electricity usage and provides superior cooling, is between 60°F (15°C) and 90°F (32°C). It is recommended that you do not install the refrigerator near a heat source, such as an oven or radiator.

COOKING

LSE4613_

Electric Slide-In Range

KEY FEATURES

ProBake Convection™

EasyClean®

Slide-in Design

Large Capacity (6.3 cu ft.)

UltraHeat™ 3.2kW Power Burner

Available in Black Stainless Steel & Stainless Steel



PRODUCT FEATURES

CAPACITY	
Oven Capacity (cu. ft.)	6.3
OVEN FEATURES	
Configuration	Slide-In Electric Range
Broil Element (Watts)	Sheath 4,200W / 6 Pass
Oven Cooking	Convection
Oven Cooking Modes	Bake, Broil, Convection Bake, Convection Roast, Favorites, Multi-Rack Convection Baking, Delay Back, Delay Clean, Proof, Warm, Speed Roast
Oven Control Features	Glass Touch
Convection Burner (Watts)	Sheath 2500W
Convection Conversion	•
ProBake Convection™	•
EasyClean®	•
Self Clean	•
GoCook Smart Oven Light	• (1 Light)
No. of Rack Positions	7
Door Lock	•
Automatic Safety Shut-Off	After 12 hours
COOKTOP	
Element Size/Wattage	
Left Rear	6"/1,200W
Right Rear	6"/1,200W
Left Front	9" 6" / 3,200W 1,400W
Right Front	12" 9" / 2,700W 1,700W
Center (Warming Zone)	7" - 100W
Cooktop Finish	Grey Patterned on Black Ceramic Glass
Hot Surface LED Indicator	Yes
CONTROL	
Cooktop Control Type	Front Tilt-Control Knobs
Oven Control Type	Glass Touch
Display	VFD
Smart Function	NFC / Smart Buzzer
Clock	12 hr or 24 hr (option)
Temperature Unit of Measure	°F or °C
Cooking Complete Reminder Volume	1. High 2. Low 3. Mute
Certified Sabbath Mode	No
APPEARANCE	
Available Colors	Black Stainless Steel, Stainless-Steel
Handle/Knobs	STS Finish (AI), Black Stainless
Oven Door Feature	WideView™ Window

DIMENSIONS/CLEARANCES/WEIGHT	
Shipping Weight (lbs)	202
Product Weight (lbs)	185
Cabinet Width (in)	30"
Overall Depth (in) - including handle	28 15/16"
Overall Height (in) - including backguard	37 3/4"
Overall Width (in)	29 15/16"
Oven Interior Dimensions (in) (W x H x D)	24 13/16" x 21 5/16" x 19 3/4"
Height to Cooking Surface (in)	36"
Storage Drawer Dimensions (in) (W x H x D)	22 3/16" x 4 1/2" x 16 3/8"
Carton Dimensions (in) (W x H x D)	31 31/32" x 44" x 30 17/32"
POWER/RATINGS	
Amp Rating at 208V	40A
Amp Rating at 240V	40A
KW Rating at 208V	10.6kW
KW Rating at 240V	14.1kW
WARRANTY	
Limited Warranty	1 Year Parts & Labor
UPC CODES	
LSE4613BD Black Stainless Steel	048232335422
LSE4613ST Stainless Steel	048231319652

Design, features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.



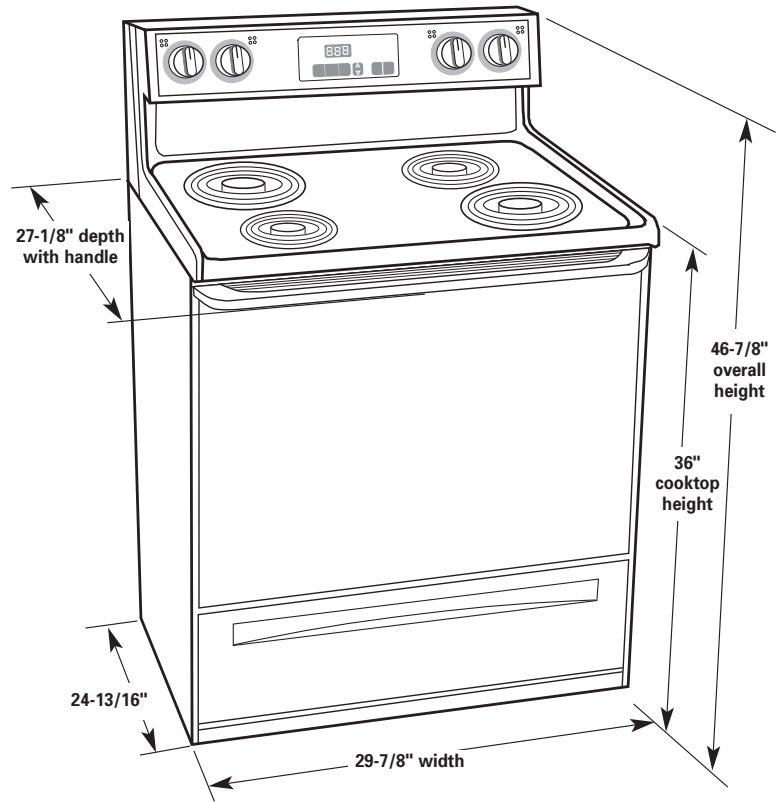
30" Freestanding Electric Range

PRODUCT MODEL NUMBERS

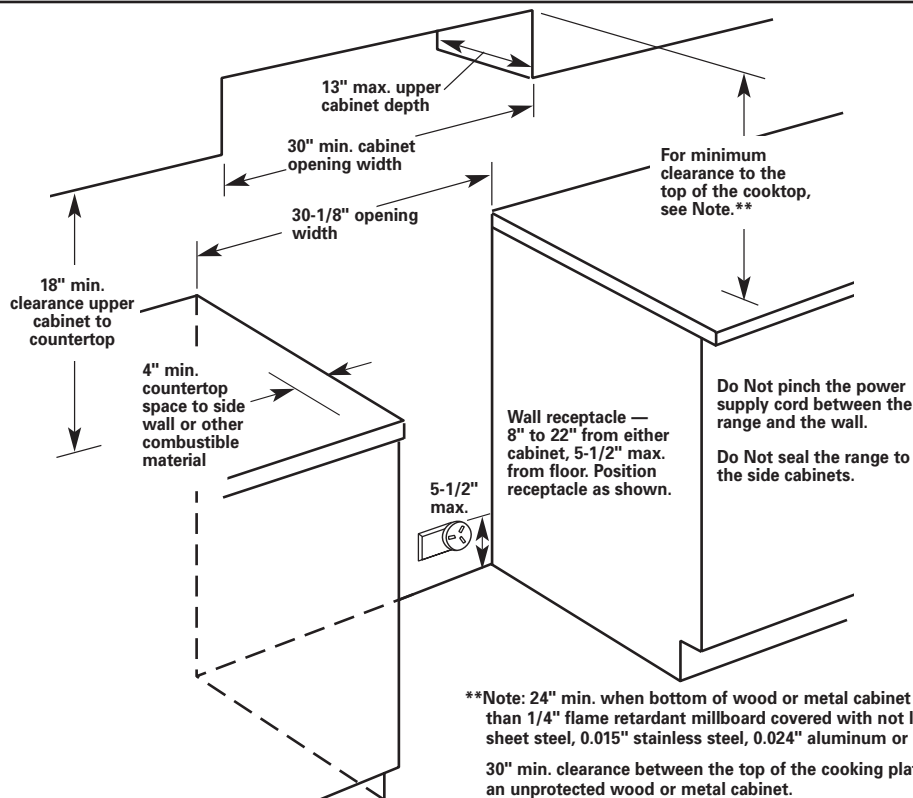
GR395LXG	RF340BXH	RF366PXG
GR396LXG	RF340BXX	RF367LXX
GR399LXG	RF341BXH	RF368LXX
GR399LXH	RF341BXX	RF370PXG
RF196LXJ	RF350BXX	RF374PXG
RF196LXX	RF350PXH	RF376LXG
RF199LXH	RF352BXX	RF377PXG
RF3020XG	RF355PXX	RF378LXX
RF3020XX	RF361PXX	RF378PXG
RF302BXG	RF362BXG	RF379LXX
RF302BXX	RF362BXX	RF380LXX
RF303PXX	RF364BXG	RF385PXG
RF314PXG	RF364LXX	RF386PXG
RF314PXX	RF364PXX	RF387LXH
RF315PXG	RF365PXG	RF388LXG
RF315PXX	RF365PXX	
RF325PXG	RF366LXX	

Electrical: Use 8-gauge solid copper wire. A four-wire or three-wire, single-phase, 120/240-volt, 60-Hz, AC-only, electrical supply is required on a 40-ampere circuit, (or, if specified on the model/serial rating plate, a four-wire or three-wire, single-phase 120/208-volt, 60 Hz, AC-only electrical supply is available, a 40-ampere circuit), fused on both sides of the line. A time-delay fuse or circuit breaker is recommended. The model/serial rating plate is located on the oven frame behind the drawer.

OVERALL DIMENSIONS



CABINET OPENING DIMENSIONS



Kenmore® 30-Inch Manual-Clean Coil Ranges



Selection	
White	22-90821
Bisque	22-90820
Oven Features	
Oven Capacity (cu. ft.)	4.1
Cleaning System	Manual-Clean
Electronic Dial/Oven Controls	Dial
Broiling System	●
Total Adjustable Oven Racks	2
Broiler Pan and Grill	●
Removable Door	●
Deluxe Reach-Through Handle	●
Oven Interior WxHxD (Inches)	23 x 15 7/8 x 19 3/16
Cooktop Features	
Element Type	Coil
8-in. (Watts)	1@2,100
6-in. (Watts)	3@1,250
Dishwasher-Safe Knobs	●
Removable Knobs	●
Removable Drip Pans	Chrome

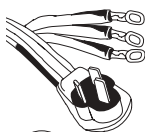
Lift-Up Cooktop	●
Cooktop On Indicator Light	●
General Features	
Drawer	Storage
Power Rating (kW) @ 240V/208V	8.8/7.9
Bake/Broil @ 240V Watts	2,600/3,000
Bake/Broil @ 208V Watts	1,950/2,250
Breaker/Copper Wire Size (240V)	40/8
Adjustable Leveling Legs	●
Shipping Weight (Approx. Lbs.)	140
Warranty	
Full 1-Year Warranty – Entire Appliance	In Home

22-90821 – White
22-90820 – Bisque

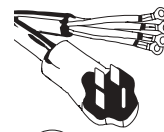
Model	Overall	Console	Controls	Door	Drawer	Sides	Handle	Surface	Pans
22-90821	White	Black	Black	White	White	White	Black	White	Chrome
22-90822	Bisque	Black	Black	Bisque	Bisque	Bisque	Black	Bisque	Chrome

- Large 4.1 cu. ft. manual-clean porcelain oven with two racks
- One 8" @ 2,100W and three 6" @ 1,250W coil elements
- Chrome drip pans
- Removable door with reach-through handle
- Storage drawer

22-49614
22-49616



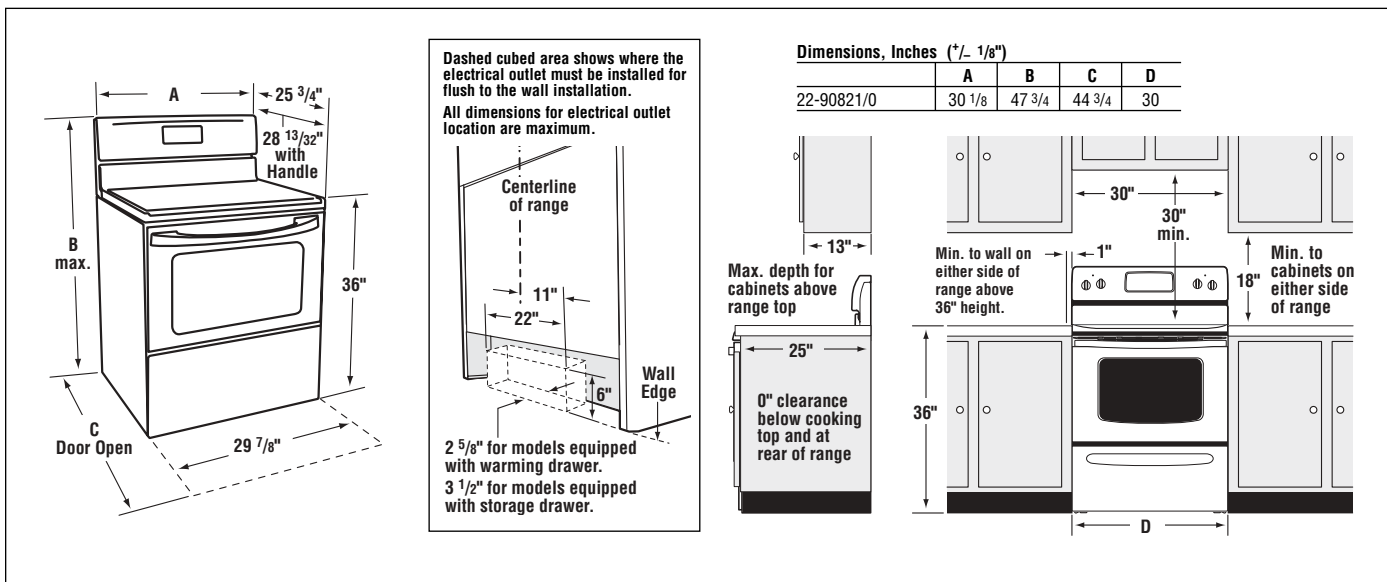
22-49624
22-49626



Range Cords for Electric Ranges

Order	Wire	Length
22-49614	3	4 ft.
22-49616	3	6 ft.
22-49624*	4	4 ft.
22-49626*	4	6 ft.

*Complies with 1/1/96 NEC code revision for new construction and remodeling





30" (76.2 CM) AND 36" (91.4 CM) WALL-MOUNT CANOPY RANGE HOOD

Installation Instructions and Use & Care Guide

For questions about features, operation/performance parts, accessories or service, call: 1-800-253-1301

In Canada, for assistance, installation and service, call: **1-800-807-6777**

or visit our website at...

www.whirlpool.com or www.whirlpool.ca

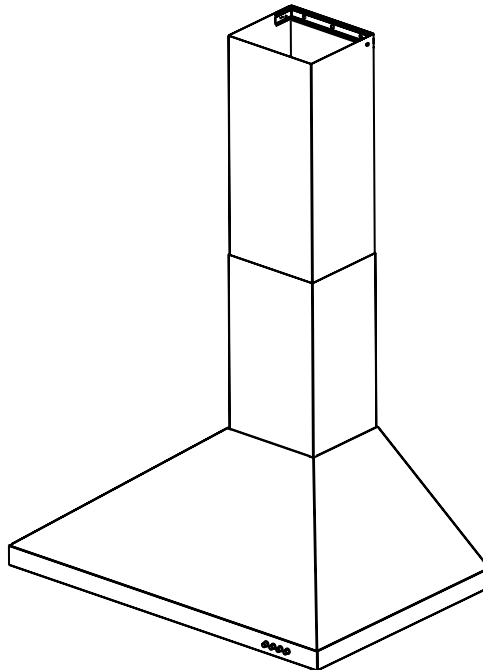
HOTTE DE CUISINIÈRE CONFIGURÉE EN ÎLOT À MONTAGE MURAL 30" (76,2 CM) ET 36" (91,4 CM)

Instructions d'installation et Guide d'utilisation et d'entretien

Au Canada, pour assistance, installation ou service composez le **1-800-807-6777**

ou visitez notre site web à www.whirlpool.ca

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IMPORTANT: READ AND SAVE THESE INSTRUCTIONS.

FOR RESIDENTIAL USE ONLY.

IMPORTANT : LIRE ET CONSERVER CES INSTRUCTIONS.

POUR UTILISATION RÉSIDENNELLE UNIQUEMENT.



LI3Y3D/W10320580D

INSTALLATION REQUIREMENTS

Tools and Parts

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

Tools needed

- Level
- Drill with 1¼" (3.0 cm), ⅜" (9.5 mm), and ⅝" (7.9 mm) drill bits
- Pencil
- Wire stripper or utility knife
- Tape measure or ruler
- Pliers
- Caulking gun and weatherproof caulking compound
- Vent clamps
- Jigsaw or keyhole saw
- Flat-blade screwdriver
- Metal snips
- Phillips screwdriver
- Metric hex key set

Parts needed

- Home power supply cable
- ½" (12.7 mm) UL listed or CSA approved strain relief
- 3 UL listed wire connectors

For vented installations, you will also need:

- 1 wall or roof cap
- Metal vent system

For non-vented (recirculating) installations, you will also need:

- Recirculation Kit Part Number W10349327 for non-vented (recirculating) installations only. See "Assistance or Service" section to order.
- 6" (15.2 cm) dia. round metal vent duct - length required is determined by ceiling height.

Parts supplied

Remove parts from packages. Check that all parts are included.

- Hood canopy assembly with ventilator and light bulbs installed
- Vent transition with back draft dampers installed
- Metal grease filter(s)
- Vent cover support bracket
- Mounting template
- 2-piece vent cover
- 2 - 3.5 x 9.5 mm screws
- 2 - 2.9 x 6.5 mm screws
- 6 - 5 x 45 mm mounting screws
- 2 - 8 x 40 mm wall anchors
- 4 - 10 x 60 mm wall anchors
- 4 - 5.4 x 75 mm screws (for 10 x 60 mm wall anchors)
- T20† Torx® adapter

†TORX and T20 are registered trademarks of Acument Intellectual Properties, LLC..

Location Requirements

IMPORTANT: Observe all governing codes and ordinances.

Have a qualified technician install the range hood. It is the installer's responsibility to comply with installation clearances specified on the model/serial/rating plate. The model/serial/rating plate is located behind the left filter on the rear wall of the vent hood.

Canopy hood location should be away from strong draft areas, such as windows, doors and strong heating vents.

Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance.

Grounded electrical outlet is required. See "Electrical Requirements" section.

The canopy hood is factory set for venting through the roof or wall. For non-vented (recirculating) Installation see "For Nonvented (recirculating) Installations Only" in "Connect Vent System" section. Recirculation Kit Part Number W10349327 is available from your dealer or an authorized parts distributor.

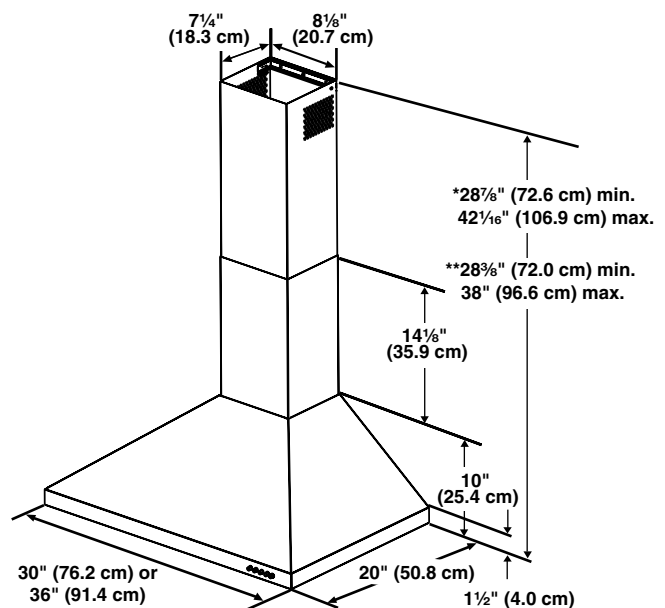
NOTE: This product will not comply with Energy Star specifications when installed as non-vented (recirculating) with the optional recirculation kit.

All openings in ceiling and wall where canopy hood will be installed must be sealed.

For Mobile Home Installations

The installation of this range hood must conform to the Manufactured Home Construction Safety Standards, Title 24 CFR, Part 328 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD, Part 280) or when such standard is not applicable, the standard for Manufactured Home Installation 1982 (Manufactured Home Sites, Communities and Setups) ANSI A225.1/NFPA 501A, or latest edition, or with local codes.

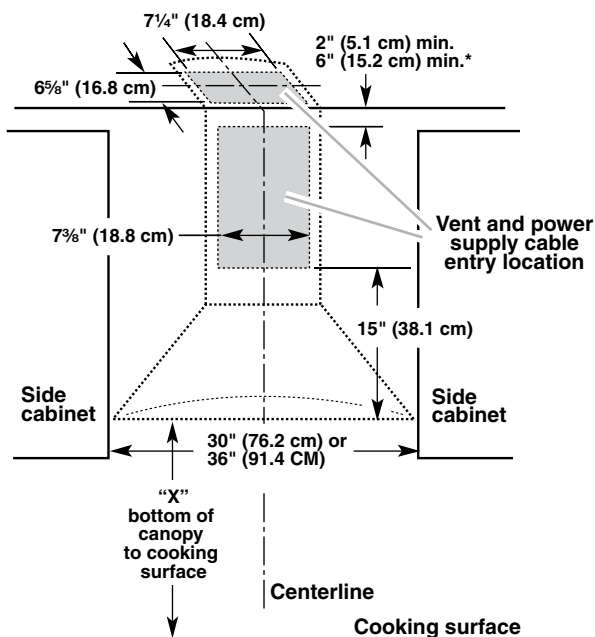
Product Dimensions



*For non-vented (recirculating) installations

**For vented installations

Cabinet Dimensions



*For non-vented (recirculating) installations

IMPORTANT:

Minimum distance "X": 24" (61.0 cm) from electric cooking surface.

Minimum distance "X": 27" (68.6 cm) from gas cooking surfaces.

Suggested maximum distance "X": 36" (91.4 cm)

The chimneys can be adjusted for different ceiling heights. See the following chart.

Vented Installations		
	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 5" (2.26 m)	9' 2" (2.79 m)
Gas cooking surface	7' 8" (2.34 m)	9' 2" (2.79 m)
Non-vented (recirculating) Installations		
	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 5" (2.26 m)	9' 6" (2.9 m)
Gas cooking surface	7' 8" (2.34 m)	9' 6" (2.9 m)

***NOTE:** The range hood chimneys are adjustable and designed to meet varying ceiling or soffit heights depending on the distance "X" between the bottom of the range hood and the cooking surface. For higher ceilings, a Stainless Steel Chimney Extension Kit Part Number W10337357 is available from your dealer or an authorized parts distributor. The chimney extension replaces the upper chimney shipped with the range hood.

Venting Requirements (vented models only)

- Vent system must terminate to the outdoors, except for non-vented (recirculating) installations.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use 4" (10.2 cm) laundry-type wall cap.
- Use metal vent only. Rigid metal vent is recommended. Plastic or metal foil vent is not recommended.
- The length of vent system and number of elbows should be kept to a minimum to provide efficient performance.

For the most efficient and quiet operation:

- Use no more than three 90° elbows.
- Make sure there is a minimum of 24" (61 cm) of straight vent between the elbows if more than 1 elbow is used.
- Do not install 2 elbows together.
- Use clamps to seal all joints in the vent system.
- The vent system must have a damper. If the roof or wall cap has a damper, do not use the damper supplied with the range hood.
- Use caulking to seal exterior wall or roof opening around the cap.
- The size of the vent should be uniform.

Cold Weather Installations

An additional back draft damper should be installed to minimize backward cold air flow and a thermal break should be installed to minimize conduction of outside temperatures as part of the vent system. The damper should be on the cold air side of the thermal break.

The break should be as close as possible to where the vent system enters the heated portion of the house.

Makeup Air

Local building codes may require the use of makeup air systems when using ventilation systems greater than specified CFM of air movement. The specified CFM varies from locale to locale. Consult your HVAC professional for specific requirements in your area.

Venting Methods

This canopy hood is factory set for venting through the roof or wall.

A 6" (15.2 cm) round vent system is needed for installation (not included). The hood exhaust opening is 6" (15.2 cm) round.

NOTE: Flexible vent is not recommended. Flexible vent creates back pressure and air turbulence that greatly reduce performance.

Vent system can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

Rear Discharge

A 90° elbow may be installed immediately above the hood.

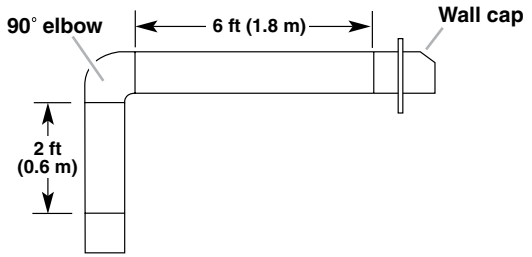
For Non-Vented (Recirculating) Installations

If it is not possible to vent cooking fumes and vapors to the outside, the hood can be used in the non-vented (recirculating) version, using a Recirculation Kit (which includes charcoal filters and a deflector). To order, see the “Assistance or Service” section.

The ducting from this fan to the outside of the building has a strong effect on the air flow, noise and energy use of the fan. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended.

Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated airflow.

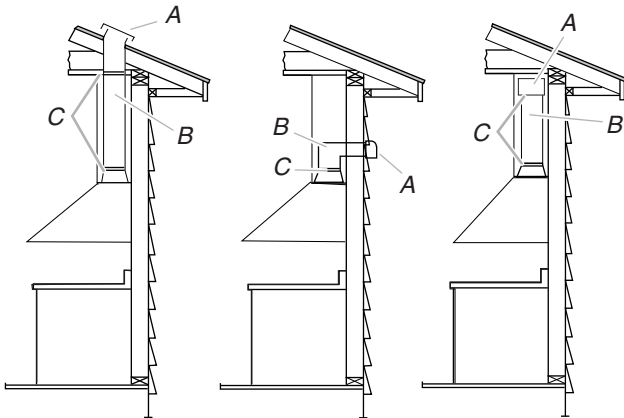
Example vent system



The following example falls within the maximum recommended vent length of 35 ft (10.7 m).

1 - 90° elbow	= 5.0 ft (1.5 m)
1 - wall cap	= 0.0 ft (0.0 m)
8 ft (2.4 m) straight	= 8.0 ft (2.4 m)
Length of system	= 13.0 ft (3.9 m)

Roof Venting Wall Venting Non-vented (recirculating)



- | | | |
|--|--|---|
| <p>A. Roof cap
B. 6" (15.2 cm) round vent
C. Seal duct joints with duct tape/caulk</p> | <p>A. Wall cap
B. 6" (15.2 cm) round vent
C. Seal duct joints with duct tape/caulk</p> | <p>A. Deflector
B. 6" (15.2 cm) round vent
C. Seal duct joints with duct tape/caulk</p> |
|--|--|---|



*The recirculating version are not neither Energy Star nor HVI certified.

Ensure duct joints and exterior penetrations are sealed with caulk or other similar material to create an air-tight path and to minimize building heat loss and gain and reduce the potential for condensation.

Place/wrap insulation around duct and/or fan in order to minimize possible condensation buildup within the duct, building heat loss and gain.

Calculating Vent System Length

To calculate the length of the system you need, add the equivalent feet (meters) for each vent piece used in the system.

Vent Piece	6" (15.2 cm) Round	
45° elbow	2.5 ft (0.8 m)	
90° elbow	5.0 ft (1.5 m)	

Maximum equivalent vent length is 35 ft (10.7 m).

Electrical Requirements

Observe all governing codes and ordinances.

Ensure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition) and all local codes and ordinances.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

A copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471
CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

- A 120 volt, 60 Hz., AC only, 15-amp, fused electrical circuit is required.
- If the house has aluminum wiring, follow the procedure below:
 1. Connect a section of solid copper wire to the pigtail leads.
 2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.

Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

- Wire sizes and connections must conform with the rating of the appliance as specified on the model/serial/rating plate. The model/serial/rating plate is located behind the left filter on the rear wall of the range hood.
- Wire sizes must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22. 1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition) and all local codes and ordinances.

LG COOKING

LMC2075_

NeoChef Countertop Microwave Oven

2.0 cu.ft. Oven Capacity

Smart Inverter

EasyClean® Interior

SmoothTouch™ Glass Touch

Hexagonal Stable Ring

LED Interior Light

10 Year Warranty on Magnetron

Available in Black Stainless Steel, Stainless Steel, Smooth White and Smooth Black



CAPACITY	
Cavity Size	2.0 cu. ft.
FEATURES	
Watts	1,200 Output / 1,350 Microwave
Turntable Diameter	16"
Display	SmoothTouch™ Glass Touch
Lighting	White LED
COOKING FEATURES	
Power Levels	10
Sensor Cooking Options	7 (Potato, Fresh Vegetable, Frozen Vegetable, Frozen Entrée, Bacon, Rice, Soften Butter)
Sensor Reheat Options	5 (Beverage, Casserole, Pizza, Dinner Plate, Pie)
Defrost Options	4 (Meat, Poultry, Fish, Bread)
Quick Start	Yes
CONVENIENCE FEATURES	
EasyClean® Interior	Yes
Clock	Yes
Completion Beeper	Yes
Energy Saving Button	Yes (turns off LED display)
SAFETY FEATURES	
Child Lock	Yes
MATERIALS/FINISHES	
Available Colors	Black Stainless Steel (BD), Stainless Steel (ST), Smooth White (SW), Smooth Black (SB)
Cavity Material	Metal
Cavity Coating	EasyClean® Enamel (Gray Interior)

POWER/RATINGS	
Input Volt/Hertz	120/60
Input Amps/Watts (Microwave)	14A/1600W
DIMENSIONS	
Cavity (WxHxD)	16 11/16" x 11 1/4" x 18 1/16"
Exterior (WxHxD)	23 7/8" x 13 9/16" x 19 5/16"
Net Weight	36.4 lbs.
Shipping Weight	40.7 lbs
Shipping Dimensions (WxHxD)	27 3/4" x 15 2/5" x 21 1/4"
LIMITED WARRANTY	
	1 Year Parts and Labor (In Home Service)
	10 Years Limited on Magnetron (In Home Service)
UPC CODES	
LMC2075BD (Black Stainless Steel)	048231337181
LMC2075ST (Stainless Steel)	048231337198
LMC2075SW (Smooth White)	048231337204
LMC2075SB (Smooth Black)	048231337105



LMC2075SB



LMC2075SW



LMC2075ST



LMC2075BD

Whirlpool Duet® Front-Load Washer

WFW9151Y



Key Features



This washer exceeds the new 2011 CEE Tier 3* rating—the highest possible—given to only the most efficient models.



When you can't move them to the dryer right away, the TumbleFresh™ option periodically tumbles clothes for up to 6 hours.



Get additional energy efficiency without giving up cleaning performance. The exclusive EcoBoost™ option lowers water temperature and increases the tumbling action to use less energy while still delivering great cleaning and gentle performance.



*Based on the Consortium for Energy Efficiency qualified product ratings. Visit cee1.org for more information.



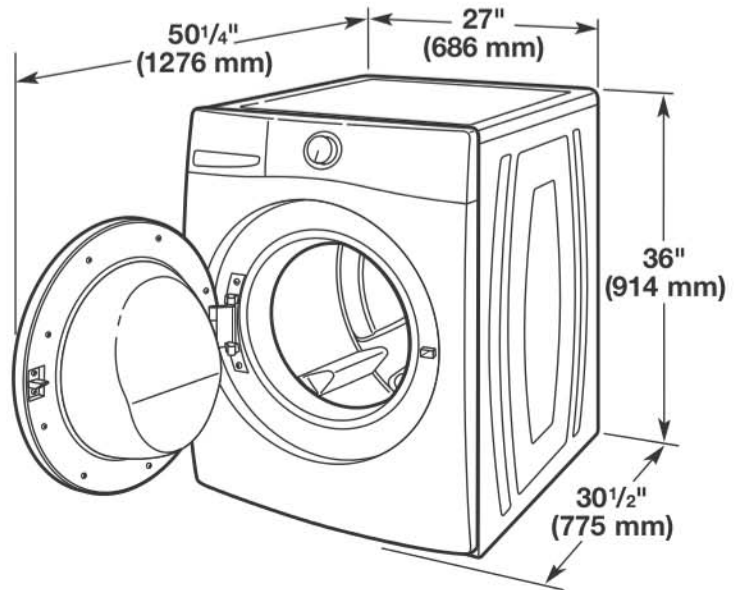
Duet® Front-Load Washer

WFW9151Y

Specifications

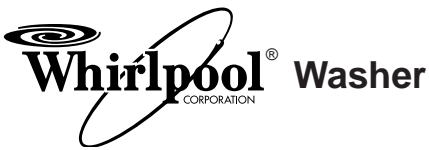
		DUET®
WASHER MODEL	WFW9151Y	
RECOMMENDED DRYER	WE/GD9151Y	
6TH SENSE® TECHNOLOGY		
Deep Clean wash system	•	
Care Control temperature management	•	
Quiet Spin technology	•	
Capacity (cu. ft.)	3.5 D.O.E.	
ENERGY STAR® qualified	•	
CEE Tier Rating*	Tier 3	
Stainless steel wash drum	•	
LED display with estimated time remaining	NEW!	
Number of cycles	12	
NEW! NSF Certified Allergen cycle	•	
NEW! Cold Wash cycle	•	
NEW! Active Wear cycle	•	
Delicate cycle	•	
Clean Washer cycle with affresh® washer cleaner	•	
NEW! EcoBoost™ option	•	
TumbleFresh™ option	•	
Delay Wash option	up to 10 hours	
Number of temperatures	3	
Max spin speed (RPM)	up to 1,200	
Quiet Wash noise reduction system	•	
Automatic dispensers	Detergent, bleach, fabric softener	
Adjustable end-of-cycle signal	•	
Dimensions (H x W x D)	36" x 27" x 30½"	
COLORS	W	

Dimensions



Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

*Based on the Consortium for Energy Efficiency qualified product ratings. Visit ceel.org for more information.

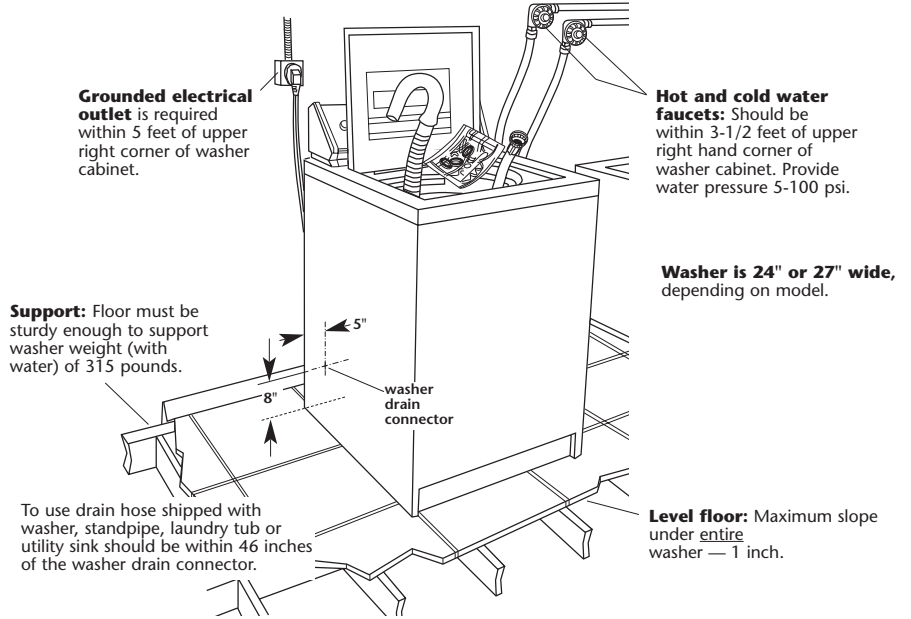


PRODUCT MODEL NUMBERS

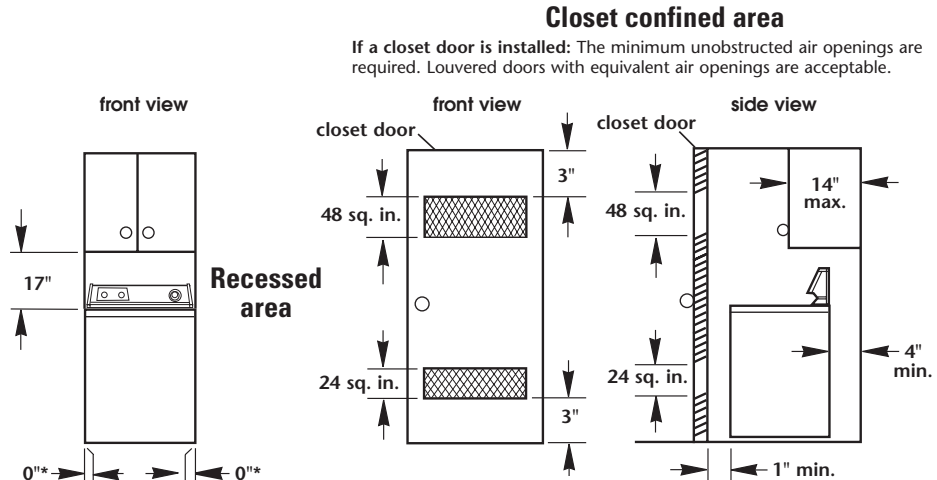
GSQ9611K	LSQ7030K	LSQ9645K
GSQ9612K	LSQ7533J	LSQ9665J
GST9675J	LSQ8000J	LSR5100K
GSW9545J	LSQ8500J	LSR5132J
GSX9885J	LSQ8511K	LSR6232J
LBR4121J	LSQ8512K	LSR6332K
LBR4132J	LSQ9010K	LSR7133K
LBR5432J	LSQ9110K	LSR8433K
LSB6200K	LSQ9200K	LXR5432K
LSB6400K	LSQ9211K	LXR7133J
LSN1000J	LSQ9510J	LXR7244J
LSN1000K	LSQ9544K	LXR9445J
LSN2000J	LSQ9610J	

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

REQUIREMENTS



RECESSED AREA AND CLOSET INSTALLATION

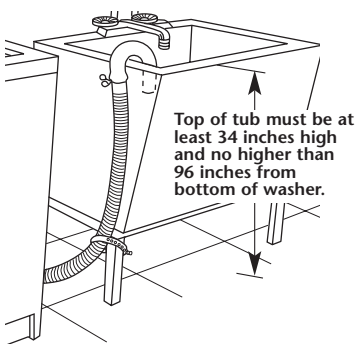


* Additional clearances for wall, door and floor moldings may be required.

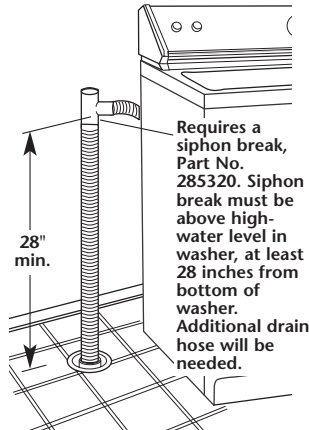
DRAIN SYSTEM OPTIONS

1. Laundry tub or utility sink drain system:

Needs a 20-gallon laundry tub.

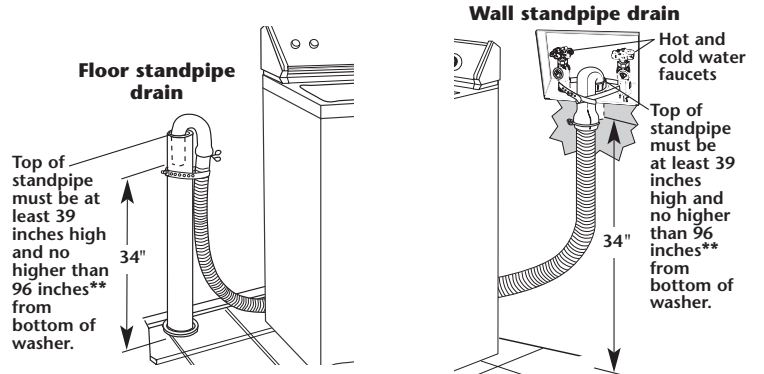


2. Floor drain system:



3. Standpipe drain system:

Needs a two-inch minimum diameter standpipe with minimum carry-away capacity of 17 gallons per minute. A 2" dia. to 1" dia. standpipe adapter, Part No. 3363920, must be used with 1" dia. drain systems.



**If the drain height is greater than 96 inches, a sump pump system must be used.

Whirlpool Duet® Front-Load Dryer

WED9151Y—Electric | WGD9151Y—Gas



Key Features



High-Efficiency Sensor Drying. Save energy and time with the AccelerCare® drying system enabled by 6th Sense™ technology. It automatically stops the cycle when clothes are dry to prevent overdrying.



The Wrinkle Shield™ Plus option tumbles the dryer every 5 minutes after the cycle is complete. This helps prevent wrinkles from setting into the clean, dry load when you can't get to it right away.



Use the Eco Normal cycle to save even more energy when drying average size loads. This cycle uses up to 35% less energy than a conventional dryer's normal cycle when paired with a Duet® washer.*



*Compared to a conventional top-load laundry pair, electric models only.



Duet® Front-Load Dryer

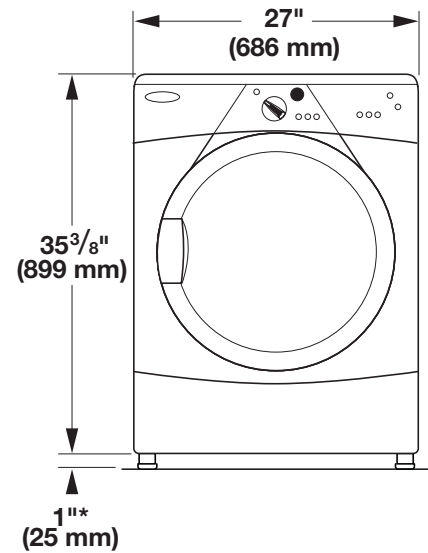
WED9151Y—Electric | WGD9151Y—Gas

Specifications

		DUET®
DRYER MODEL		WE/GD9151Y
RECOMMENDED WASHER		WFW9151Y
6TH SENSE® TECHNOLOGY		
AccelerCare® drying system		•
Capacity (cu. ft.)		6.7
NEW! High-efficiency dryer		•
LED display with estimated time remaining		NEW!
Number of cycles		9
NEW! Eco Normal cycle		•
Heavy Duty cycle		•
Casual cycle		•
Delicate cycle		•
Normal cycle		•
Damp Dry cycle		•
Timed Dry cycle		•
Touch Up cycle		•
Small Load cycle		•
Wrinkle Shield™ Plus option		up to 90 minutes
Adjustable end-of-cycle signal		•
Dimensions (H x W x D)		36" x 27" x 29"
COLORS		W

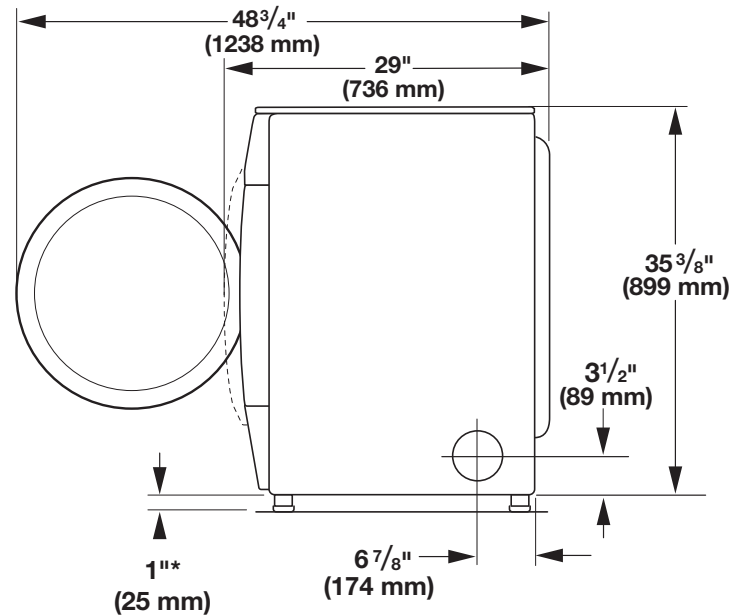
Dimensions

Front view:



* Approx. measurement

Side view:



* Approx. measurement



Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

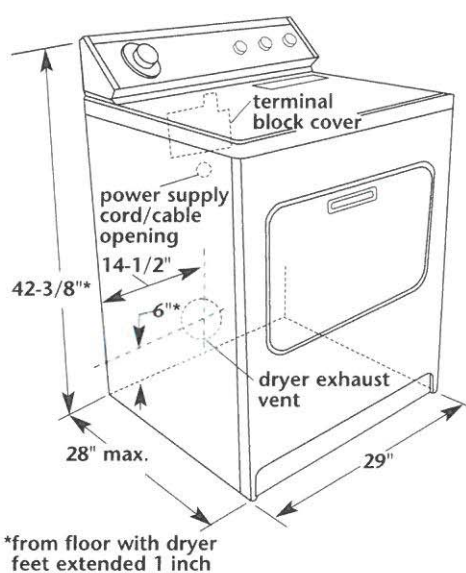
PRODUCT MODEL NUMBERS

GEQ9858J	LEQ8000J	LER3624D	LER5700K
GEW9878J	LEQ8100K	LER4634J	LER6611L
GEX9868J	LEQ8800J	LER5620K	LER6638E
LEB6000K	LEQ8857J	LER5634E	LER7620K
LEN2000J	LEQ8858J	LER5634L	LER7646E
LEN2000K	LEQ9508K	LER5636E	LER7646J
LEQ5000K	LEQ9557K	LER5636J	LER7648K
LEQ7000K	LEQ9558K	LER5636K	
LEQ7030K	LER2614J	LER5644J	

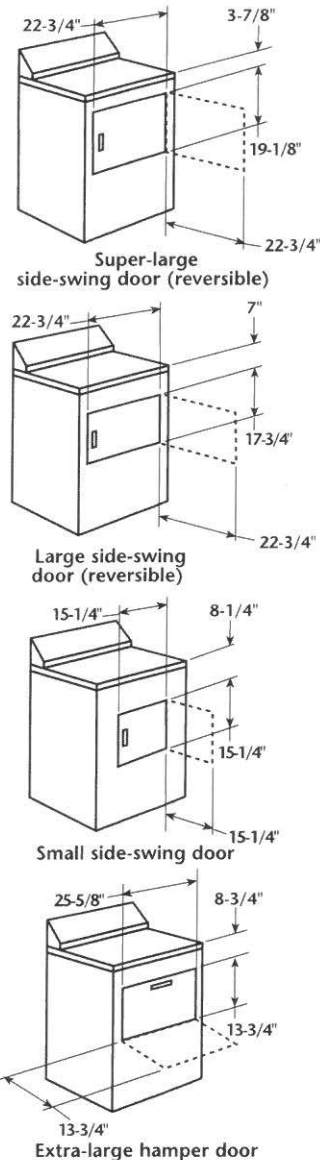
Electrical: A four-wire or three-wire, single phase, 120/240-volt, 60-Hz, AC-only, electrical supply is required on a separate 30-ampere circuit, fused on both sides of the line. Use 10 gauge solid copper wire. A time-delay fuse or circuit breaker is recommended.

Exhaust venting: Exhaust your dryer to the outside. Four-inch diameter vent is required. Rigid or flexible metal exhaust vent must be used. Do Not use plastic or metal foil vent. Exhaust outlet hood must be at least 12 inches from the ground or any object that may be in the path of the exhaust.

OVERALL DIMENSIONS

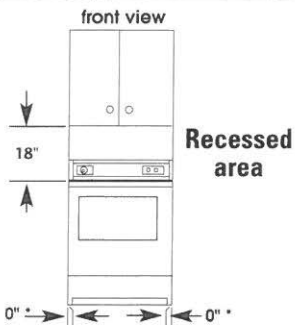


DOOR CLEARANCE DIMENSIONS



RECESSED AREA AND CLOSET INSTALLATION

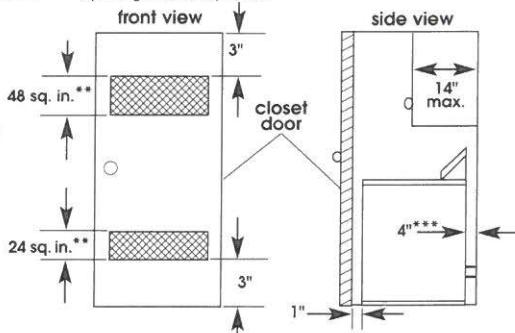
	Recommended/Minimum			
	Back	Sides	Top	Front
Recessed	5"0"	1"0"	18"/18"	—
Closet	5"4"	1"0"	18"/18"	1"1"



*Wall, door and floor molding may require additional spacing.

Closet confined area

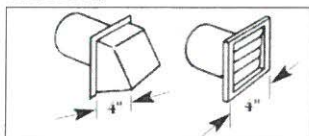
If a closet door is installed: The minimum unobstructed air openings are required. Louvered doors with equivalent air openings are acceptable.



** Minimum top and bottom air openings for closet door.
*** External exhaust elbow requires additional space.

EXHAUST VENTING

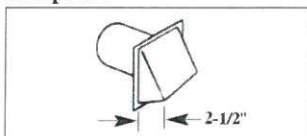
Preferred



When you have a 4" hood

Number of 90° elbows	Maximum length of 4" diameter metal vent	
	Rigid	Flexible (fully extended)
0	64 ft.	36 ft.
1	54 ft.	31 ft.
2	44 ft.	27 ft.
3	35 ft.	25 ft.
4	27 ft.	23 ft.

Acceptable



When you have a 2-1/2" hood

Number of 90° elbows	Maximum length of 4" diameter metal vent	
	Rigid	Flexible (fully extended)
0	58 ft.	28 ft.
1	48 ft.	23 ft.
2	38 ft.	19 ft.
3	29 ft.	17 ft.
4	21 ft.	15 ft.

Select the route that will provide the straightest and most direct path outdoors. Plan the installation to use the fewest number of elbows and turns. Avoid making 90° turns.

When using elbows or making turns, allow as much room as possible. Bend flexible metal vent gradually to avoid kinking.

Determine vent length

1. See the exhaust vent length chart that matches your type hood for the maximum vent lengths you can use.

Do not use vent runs longer than specified in exhaust vent length charts.

2. Determine the number of elbows you will need.

3. In the column listing the type of metal vent you are using (rigid or flexible), find the maximum length of metal vent on the same line as the number of elbows.

The maximum length using a 2" x 6" rectangular vent with 2 elbows and a 2-1/2" exhaust hood is 8 ft.



Undercounter Dishwasher

PRODUCT MODEL NUMBERS

DU400SWK	DU840SWL	DU915PWK	DU951PWK
DU600PWK	DU850SWK	DU920PWK	DU955PWK
DU620PWK	DU850SWL	DU930PWK	DU960PNK
DU800SWK	DU890SWK	DU940PWK	DU960PWK
DU810SWK	DU890SWL	DU941PWK	DU963PWK
DU810SWL	DU900PWK	DU943PWK	DUL100PK
DU811SWK	DU909PWK	DU945PWK	DUL200PK
DU811SWL	DU910PWK	DU948PWK	GU970PNL
DU840SWK	DU911PWK	DU950PWK	

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

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

Drain: Use the new drain hose supplied with your dishwasher. If this is not suitable, use a new drain hose with a maximum length of 12 feet (3.7 m) that meets all current AHAM/IAPMO test standards, is resistant to heat and detergent, and fits the drain connector of the dishwasher. Must have a high drain loop 20 inches (50.8 cm) above the subfloor or floor. Connect drain hose to waste tee or disposer inlet above drain trap in house plumbing and 20 inches (50.8 cm) minimum above the floor. An air gap must be used if the drain hose is connected to house plumbing lower than 20 inches (50.8 cm) above subfloor or floor. Use 1/2" minimum I.D. drain line fittings.

Corner installation: Allow 2" (5.1 cm) minimum between corner wall and dishwasher opening.

Grommet is required for electrical cable or power supply cord hole cut in a metal cabinet.

Do NOT install dishwasher over carpeted floor.

Accepts custom door panels:

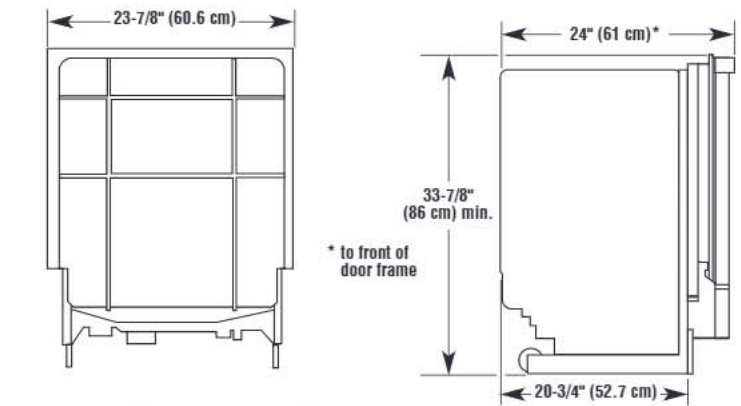
DU800SWKU, DU810SWKU, DU811SWKU

Accepts custom door and access panels:

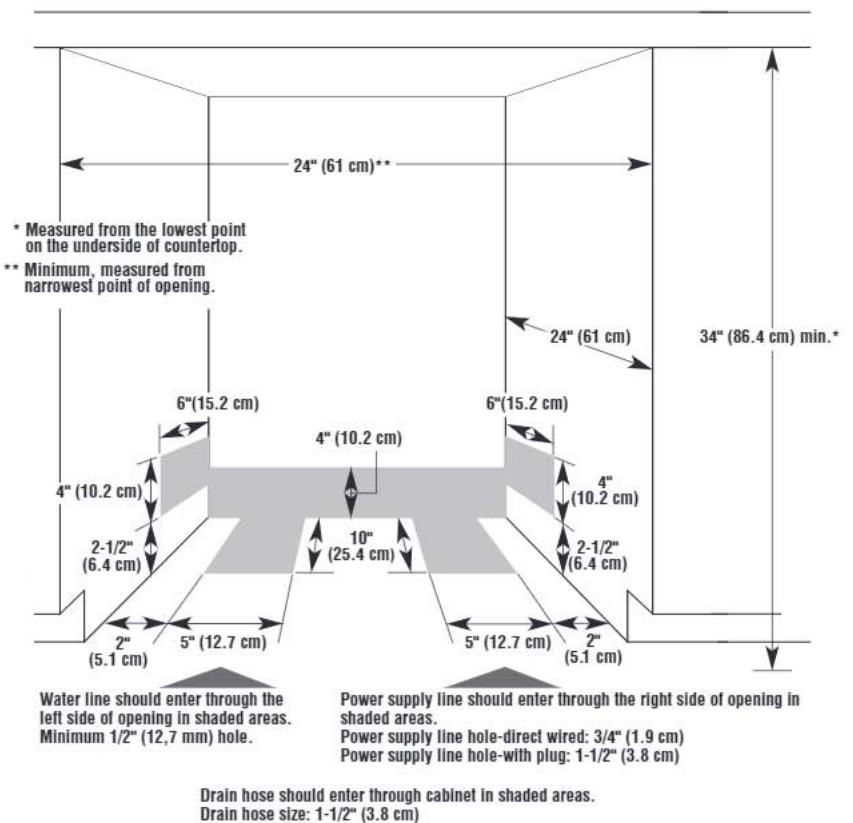
DU840SWKU, DU890SWKU,

Other models require trim kits in order to add custom panels. The panels must be made to the dimensions supplied with the trim kit.

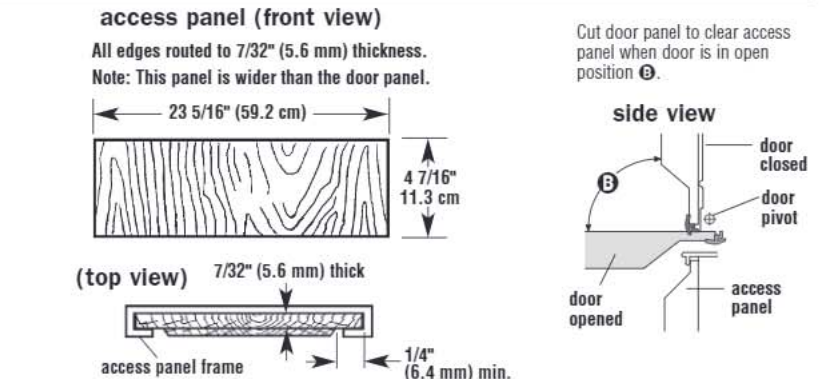
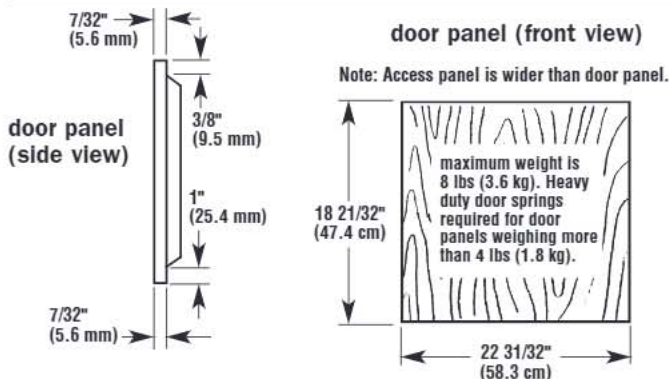
OVERALL DIMENSIONS



CABINET OPENING DIMENSIONS



CUSTOM FRONT PANEL DIMENSIONS



Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice.

Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

Ref. 3385181
07-23-03