



Installation instructions for your new

Spacemaker™ Laundry WSM2780 Gas

Before you begin – Read these instructions completely and carefully.

IMPORTANT – OBSERVE ALL GOVERNING CODES AND ORDINANCES.

Note to Installer – Be sure to leave these instructions with the Consumer.

Note to Consumer – Keep these instructions with your Owner's Manual for future reference.

⚠ WARNING – POTENTIAL FIRE AND SHOCK HAZARD

- To reduce the risk of severe injury or death, follow all installation instructions.
- Clothes dryer installation must be performed by a qualified installer.
- Install the clothes dryer according to these instructions and in accordance with local codes.
- This dryer must be exhausted to the outdoors.
- Use only 4" rigid metal ducting for exhausting the clothes dryer to the outdoors.
- DO NOT install a clothes dryer with flexible plastic ducting materials. If flexible metal (semi-rigid or foil-type) duct is installed, it must be UL-listed and installed in accordance with the instructions found in "Connecting the Dryer to House Vent" on page 6 of this manual. Flexible ducting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct dryer airflow and increase the risk of fire.
- Do not install or store this appliance in any location where it could be exposed to water and/or weather.
- Save these instructions. (Installers: Be sure to leave these instructions with the customer.)
- This appliance must be properly grounded and installed as described in these instructions.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT

This act requires the governor of California to publish a list of substances known to the state to cause cancer, birth defects or other reproductive harm and requires businesses to warn customers of potential exposure to such substances. Gas appliances can cause minor exposure to four of these substances, namely benzene, carbon monoxide, formaldehyde and soot, caused primarily by the incomplete combustion of natural gas or LP fuels. Properly adjusted dryers will minimize incomplete combustion. Exposure to these substances can be minimized further by properly venting the dryer to the outdoors.

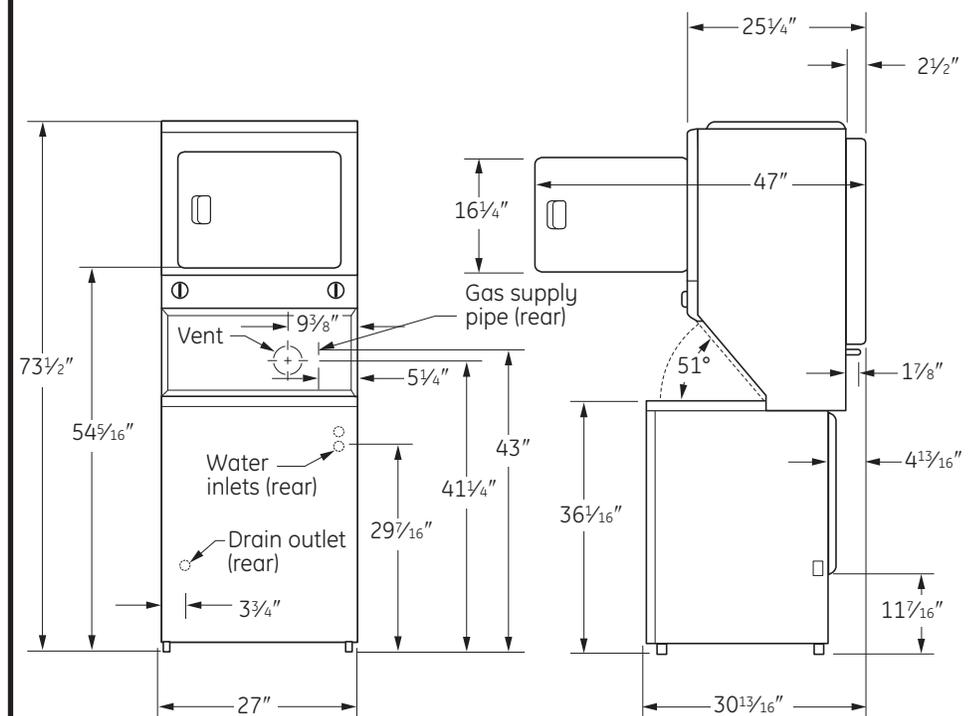
IMPORTANT

- Exhausting the dryer to the outside is required to prevent large amounts of moisture, lint and other products of combustion from being blown into the room.
- Service information and a wiring diagram are located in the dryer access panel.

TOOLS NEEDED

- Slip-joint pliers
- Phillips-head and flat-blade screwdrivers
- Ratchet with 3/8" socket
- Carpenter's level
- Adjustable wrenches
- Pipe thread sealer

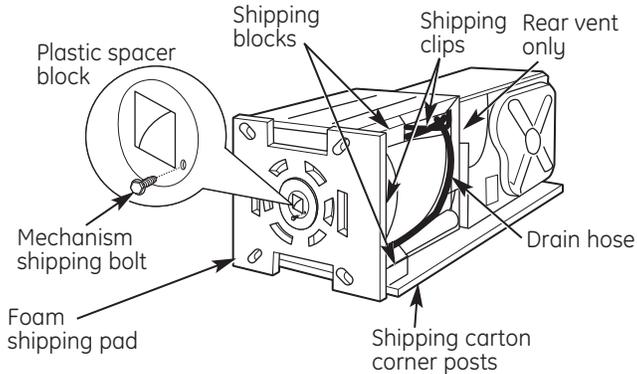
PRODUCT DIMENSIONS



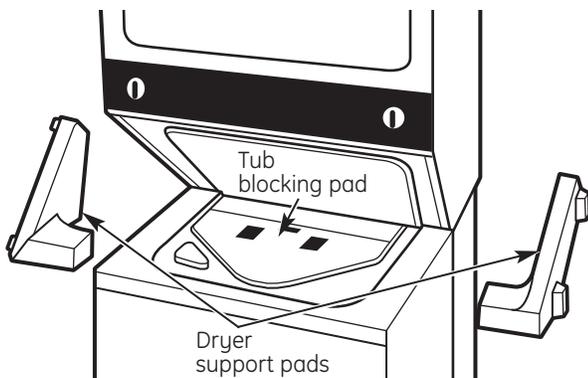
Installation Instructions

UNPACKING SPACEMAKER™

- 1 Remove tape and two corner pads from rear bottom corners of appliance.
- 2 Using the four shipping corner posts, lay the appliance on its left side so the shipping base does not rest on the floor.



- 3 Remove the foam shipping pad.
- 4 Remove the washer shipping bolt using the ratchet with 3/8" socket, and remove the plastic spacer block using the slip-joint pliers.
- 5 Return the appliance to the upright position and locate it in the general area to be installed. Provide enough space at the rear for installing the water inlet hose.
- 6 Untape and open the washer lid.
- 7 Remove:
 - a. foam tub blocking pad
 - b. foam shipping blocks from rear of unit
 - c. tape from dryer door
 - d. foam dryer support pads
 - e. inlet hoses
 - f. From the back of the washer, remove the wire shipping clips securing the drain hose. Plastic clamps secure the drain hose to the right side of the washer backsheet. These clamps form a standpipe to prevent water siphoning. **DO NOT REMOVE THESE CLAMPS.**



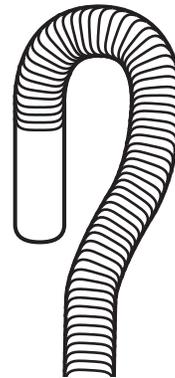
UNPACKING SPACEMAKER™ (CONT.)

NOTE: The tub blocking pad, shipping bolt and plastic spacer should be retained for use if the appliance is transported at a later date.

- 8 Remove clips holding the following:
 - a. inlet hoses
 - b. drain hose
 - c. power cord

PREPARING DRAIN HOSE

- 9 Form a "U" shape on the end of the drain hose with the hose pointed toward the drain.

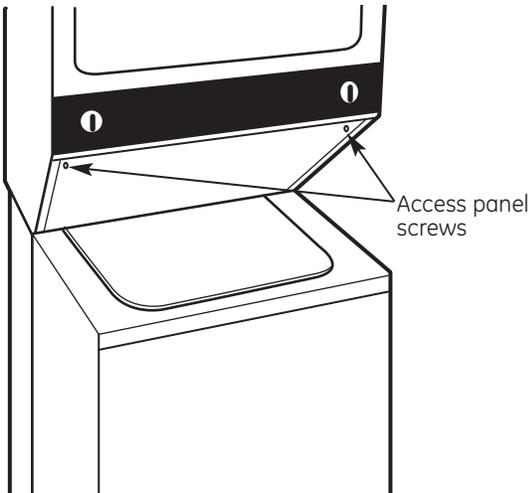


- 10 For an installation requiring a longer drain hose, use the WH41X312 extra-long (108") drain hose. Attach to the machine in the same manner as the original hose.

Installation Instructions

MOVING SPACEMAKER™ TO OPERATING LOCATION

- 11** Remove the 2 screws securing the access panel to the dryer cabinet. Lift the front access panel until the tabs can be disengaged from the dryer cabinet, and remove the panel.
- 11A** Route the inlet hoses, drain hose and power cord through the rear access area for temporary holding when moving the appliance to the operating location.



- 12** To ensure the Laundry Center is level and solid on all four legs, tilt the Laundry Center forward so the rear legs are off the floor. Gently set the Laundry Center back down to allow the rear legs to self-adjust. Place a level on top of the washer. Check it side to side, then front to back. Screw the front leveling legs up or down to ensure the Laundry Center is resting solidly on all four legs (no rocking of the Laundry Center should occur).

NOTE: Keep the leg extension at a minimum to prevent excessive vibration.

CONNECTING TO PLUMBING FACILITIES

⚠ CAUTION: Be sure water supply lines have been thoroughly flushed to remove particles that might clog the washer filter screens.

- 13** Check inlet hoses to ensure the rubber washers are installed in each end. (If your laundry center has the hoses attached to the water valve, proceed to Step 13A.) Carefully connect the inlet hoses to the water valve (on the left side of the washer cabinet), tighten by hand, and then tighten another 2/3 turn with pliers.

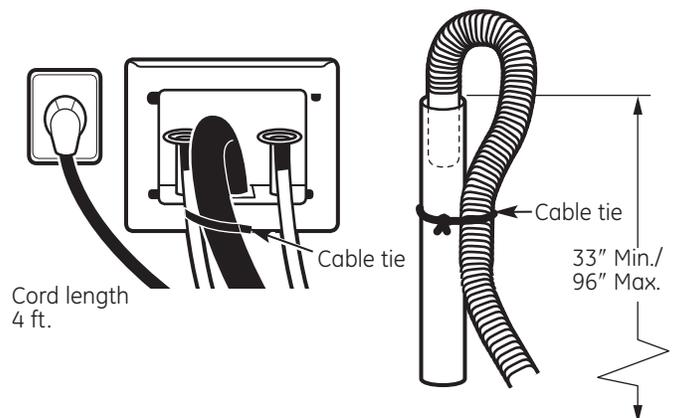
⚠ CAUTION: DO NOT CROSS-THREAD OR OVERTIGHTEN THESE CONNECTIONS.

- 13A** Determine which water faucet is the **HOT** water faucet, carefully connect the bottom inlet hose to the **HOT** water faucet, tighten by hand, and then tighten another 2/3 turn with pliers. Carefully connect the top inlet hose to the **COLD** water faucet, tighten by hand, and then tighten another 2/3 turn with pliers.

⚠ CAUTION: DO NOT CROSS-THREAD OR OVERTIGHTEN THESE CONNECTIONS.

Turn the water on and check for leaks at both connections.

- 13B** Place formed end of drain hose in drain facility and secure with cable tie (provided in literature package).



NOTE: Drain hose MUST be secured to drain facility in all cases.

Installation Instructions

CONNECTING TO GAS SUPPLY

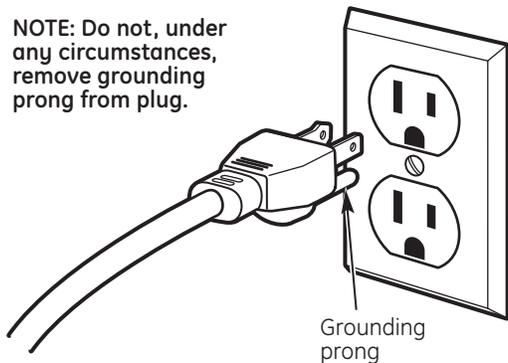
- 14** Connect the gas supply to the dryer. If codes allow, use new flexible metal tubing (design certified by the American Gas Association). Be sure there are no kinks. For gas connections, you **MUST** use pipe-joint compound resistant to the action of LP gas.

⚠ CAUTION: Be sure electricity is **OFF** at power supply source (circuit breaker/fuse box).

- 14A** Plug power cord into electrical outlet.

IMPORTANT: 120-volt, 60 hz, AC-only electrical supply is required on a separate 15-ampere circuit fused by a time-delay fuse or circuit breaker.

NOTE: Do not, under any circumstances, remove grounding prong from plug.



FINAL APPLIANCE LEVELING

⚠ CAUTION: ALL WEIGHT MUST BE REMOVED FROM APPLIANCE LEVELING LEG WHILE ADJUSTING. THREADS ON LEG WILL BE DAMAGED OTHERWISE.

- 15** Again, make sure the appliance rests firmly on all four legs. No rocking of the appliance should occur.

CHECKING APPLIANCE OPERATION

- 16** Make sure all packing and shipping materials are removed, including the washer shipping bolt and plastic spacer block.
- 17** Route drain hose properly—not coiled or kinked.
- 17A** Make sure water inlet hoses are connected (HOT to HOT) and tightened securely without kinks. Turn on water faucets and check for leaks.
- 17B** Tape all joints to make sure exhaust ductwork is secured without leaks.
- 17C** Turn on electricity at the power source.
- 17D** Turn on the washer and dryer and run through one cycle. Check all hoses for leaks. Ensure the burner has lit.

NOTE: Before the burner will light, it is necessary for the gas line to be bled of air. If the burner does not light within 45 seconds the first time the dryer is turned on, the safety switch will shut off the burner. If this happens, turn the timer to "OFF" and wait 5 minutes before making another attempt to light.

REPLACING FRONT ACCESS PANEL

- 18** Reinstall the safety cover and front access panel.
- 19** Place the Owner's Manual and Installation Instructions in a location where they can be found by the customer.

Installation Instructions

PLUMBING INFORMATION

WATER SUPPLY REQUIREMENTS

- **HOT AND COLD WATER FAUCETS** – Must be within 42" of the appliance water inlet hose connections. The faucets must be 3/4" garden hose-type so inlet hoses can be connected.
- **WATER PRESSURE** – Must be between 10 and 120 pounds per square inch with a maximum unbalance pressure, hot vs. cold flowing, of 10 pounds per square inch.
- **SHUT-OFF VALVES** – Both hot and cold water shut-off valves (faucets) should be supplied.
- **LOCATION** – Do not install appliance in an area where the temperature will fall below freezing. If appliance is stored or transported in freezing temperatures, be sure all water from the fill and drain systems has been removed.

DRAIN REQUIREMENTS

- **DRAIN RATE** – The drain or standpipe must be capable of accepting a discharge at the rate of 16 gallons per minute.
- **DRAIN HEIGHT** – The drain height must be 33" minimum and 96" maximum.
- **STANDPIPE DIAMETER** – The standpipe diameter must be 1" minimum. There **MUST** be an air gap around the drain hose in the standpipe. A snug fit can cause a siphoning action.
- **SIPHON BREAK KIT** – For a drain facility less than 33" high, the hose, coupling and clamps provided in the machine must be used and, in addition, a siphon break **MUST** be installed on the back of the machine. Use Siphon Break Kit WH49X228 and **FOLLOW INSTRUCTIONS IN THE KIT.**

ELECTRICAL CONNECTION INFORMATION

⚠ CAUTION: For personal safety: **TURN OFF ELECTRICITY AT POWER SOURCE (CIRCUIT BREAKER/FUSE BOX) BEFORE INSTALLING OR SERVICING THIS APPLIANCE.**

DO NOT USE AN EXTENSION CORD WITH THIS APPLIANCE.

THIS APPLIANCE MUST BE PROPERLY GROUNDED.

This appliance must be electrically grounded in accordance with local codes and ordinances or, in the absence of local codes, in accordance with the NATIONAL ELECTRICAL CODE, ANSI/NFPA NO. 70-1987.

ELECTRICAL REQUIREMENTS

- This appliance should be connected to an individual branch circuit with 120-volt, single-phase, 60 Hz electrical service and should be protected by 15-amp time-delay fuses or circuit breakers.

GAS CONNECTION INFORMATION

⚠ CAUTION: **Do not attempt to alter gas orifice or adjust burner air shutter.** Natural gas input may vary in some areas from 700 to 1200 B.T.U. per cubic foot. If the gas orifice or burner air shutter is incorrectly adjusted, serious personal injury and/or fire hazard can occur. Your local gas company will know the qualities of the gas in your area. **Contact your local servicing dealer if burner adjustment or orifice changes are necessary.**

Do not use an open flame for leak testing. Serious personal injury and/or a fire hazard can result if an open flame is used to test for gas leaks. **Use a soap and water solution to test all gas line fittings.**

Do not install the Laundry Center to an L.P. gas supply without installing conversion kit. All Laundry Centers are shipped with a pressure regulator and natural gas orifice. Using a natural gas orifice with an L.P. gas supply can result in personal injury, clothes damage and/or a fire hazard. **Have a qualified gas technician install a conversion kit in the Laundry Center before use.**

- Installation must meet American National Standard, National Fuel Gas Code ANSI Z223.1—1988 and local codes and ordinances.
- The gas supply line should be a 1/2" pipe. A 1/2" to 3/8" reducer must be used to connect the dryer to the supply line.
- The gas supply line must have a shut-off valve preferably within 6 feet (1.8 m) of the dryer.
- A 1/8" NPT plugged tapping, accessible for test gauge connection, must be installed immediately upstream of the gas supply connection.

Installation Instructions

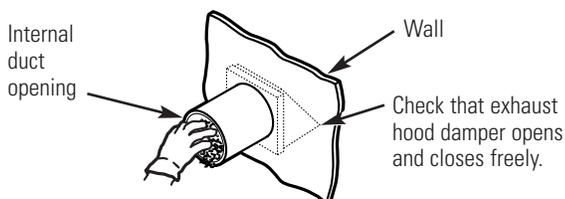
ADJUSTING FOR ELEVATION

- Gas clothes dryers input ratings are based on sea level operation and need not be adjusted for operation at or below 2000 ft. elevation. For operation at elevations above 2000 ft., input ratings should be reduced at a rate of 4 percent for each 1000 ft. above sea level.
- Installation must conform to local codes and ordinances or, in their absence, the NATIONAL FUEL GAS CODE, ANSI Z223.

EXHAUST

⚠ WARNING – To reduce the risk of fire or personal injury:

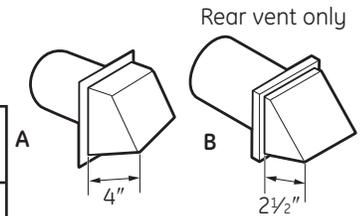
- This clothes dryer must be exhausted to the outdoors.
- Use only 4" rigid metal ducting for the home exhaust duct.
- Use only 4" rigid metal or UL-listed flexible metal (semi-rigid or foil-type) duct to connect the dryer to the home exhaust duct. It must be installed in accordance with the instructions found in "Connecting the Dryer to House Vent" on page 7 of this manual.
- Do not terminate exhaust in a chimney, a wall, a ceiling, gas vent, crawl space, attic, under an enclosed floor, or in any other concealed space of a building.
- Never terminate the exhaust into a common duct with a kitchen exhaust system. A combination of grease and lint creates a potential fire hazard.
- Do not use duct longer than specified in the exhaust length table. Longer ducts can accumulate lint, creating a potential fire hazard.
- Never install a screen in or over the exhaust duct. This will cause lint to accumulate, creating a potential fire hazard.
- Do not assemble ductwork with any fasteners that extend into the duct. These fasteners can accumulate lint, creating a potential fire hazard.
- Do not obstruct incoming or exhausted air.
- Provide an access for inspection and cleaning of the exhaust system, especially at turns and joints. Exhaust system shall be inspected and cleaned at least once a year.
- Remove and discard existing plastic or metal foil duct and replace with UL-listed duct.
- Remove any lint from the wall exhaust opening.



EXHAUST (CONT.)

EXHAUST DUCT LENGTH INFORMATION

- The MAXIMUM ALLOWABLE length of the exhaust system depends upon the type of duct, number of turns, the type of exhaust hood (wall cap) and all conditions noted below. More than three 90° turns are not recommended.



NUMBER OF 90° TURNS	EXHAUST HOOD TYPE		Maximum length of 4" diameter rigid metal duct
	A	B	
0	46 ft.	37 ft.	Maximum length of 4" diameter rigid metal duct
1	38 ft.	30 ft.	
2	31 ft.	22 ft.	
3	24 ft.	15 ft.	

HOOD OR WALL CAP

- Terminate in a manner to prevent back drafts or entry of birds or other wildlife.
- Termination should present minimal resistance to the exhaust airflow and should require little or no maintenance to prevent clogging.
- Never install a screen over the exhaust duct.
- Wall caps must be installed at least 12" above ground level or any other obstruction with the opening pointed down.

TURNS OTHER THAN 90°

- One turn of 45° or less may be ignored.
- Two 45° turns should be treated as one 90°.

CONNECTING THE DRYER TO HOUSE VENT

Rigid Metal Transition Duct

- For best drying performance, a rigid metal transition duct is recommended.
- Rigid metal transition ducts reduce the risk of crushing and kinking.

UL-Listed Flexible Metal (Semi-Rigid) Transition Duct

- If rigid metal duct cannot be used, then UL-listed flexible metal (semi-rigid) ducting can be used (Kit WX08X10077).
- Never install flexible metal duct in walls, ceilings, floors or other enclosed spaces.
- Total length of flexible metal duct should not exceed 8 feet (2.4 m).
- For many applications, installing elbows at both the dryer and the wall is highly recommended (see illustration at left). Elbows allow the dryer to sit close to the wall without kinking and or crushing the transition duct, maximizing drying performance.
- Avoid resting the duct on sharp objects.

Installation Instructions

CONNECTING THE DRYER TO HOUSE VENT (CONT.)

UL-Listed Flexible Metal (Foil-Type) Transition Duct

- In special installations, it may be necessary to connect the dryer to the house vent using a flexible metal (foil-type) duct. A UL-listed flexible metal (foil-type) duct may be used ONLY in installations where rigid metal or flexible metal (semi-rigid) ducting cannot be used AND where a 4" diameter can be maintained throughout the entire length of the transition duct.
- In Canada and the United States, only the flexible metal (foil-type) ducts that comply with the "Outline for Clothes Dryer Transition Duct, Subject 2158A" shall be used.
- Never install flexible metal duct in walls, ceilings, floors or other enclosed spaces.
- Total length of flexible metal duct should not exceed 8 feet (2.4 m).
- Avoid resting the duct on sharp objects.

For best drying performance:

1. Slide one end of the duct over the clothes dryer outlet pipe.
2. Secure the duct with a clamp.
3. With the dryer in its permanent position, extend the duct to its full length. Allow 2" of duct to overlap the exhaust pipe. Cut off and remove excess duct. Keep the duct as straight as possible for maximum airflow.
4. Secure the duct to the exhaust pipe with the other clamp.

SEALING OF JOINTS

- All joints should be tight to avoid leaks.

NOTE: The male end of each section of duct must point away from the dryer.

- Do not assemble ductwork with fasteners that extend into the duct. They will serve as a collection point for lint.
- Duct joints can be made air- and moisture-tight by wrapping the overlapped joints with duct tape.

INSULATION

- Ductwork that runs through an unheated area or is near an air conditioning duct should be insulated to reduce condensation and lint buildup.

PARTS AVAILABLE FROM LOCAL SERVICE ORGANIZATIONS

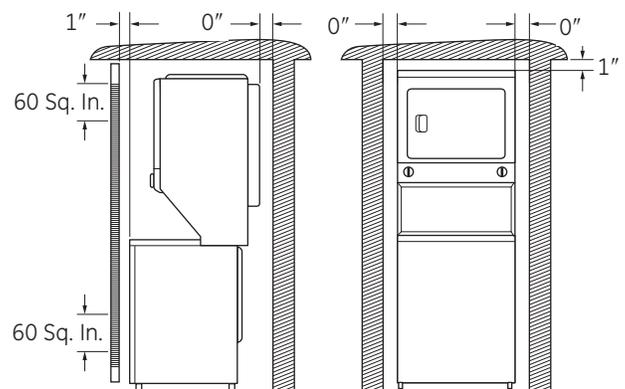
- Rigid Metal Duct Components
 - WX8X63 4" x 1' Duct
 - WX8X64 4" x 2' Duct
 - WX8X51 4" Elbow
 - WX8X59 4" Aluminum Hood
- Flexible Metal Duct Components
 - WX8X58 4" Clamps (2)
 - WX8X59 4" Aluminum Hood
 - WX08X10077 6' UL-Listed, Flexible Metal (Semi-Rigid) Duct, 2 Clamps, 2 Close Elbows

MOBILE HOME INSTALLATION

- Installation must conform to Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 32-80.
- The dryer must be exhausted to the outside with the termination securely fastened to the mobile home structure.
- The exhaust MUST NOT be terminated beneath the mobile home.
- The exhaust duct material MUST NOT support combustion.

CONSIDERATION MUST BE GIVEN TO PROVIDE ADEQUATE CLEARANCES FOR INSTALLATION AND SERVICE.

ALCOVE OR CLOSET INSTALLATION



- If your dryer is approved for installation in an alcove or closet, it will be stated on a label on the back of the dryer.
- TO PREVENT LARGE AMOUNTS OF LINT AND MOISTURE FROM ACCUMULATING AND TO MAINTAIN DRYING EFFICIENCY, THIS MACHINE MUST BE EXHAUSTED OUTDOORS.
- DO NOT install this appliance with less than the minimum clearances shown above.

CONSIDERATION MUST BE GIVEN TO PROVIDE ADEQUATE CLEARANCES FOR INSTALLATION AND SERVICE.

⚠ CAUTION: DO NOT INSTALL THIS APPLIANCE IN A CLOSET WITH A SOLID DOOR.

Installation Instructions

⚠ WARNING –

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Clear the room, building or area of all occupants.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, a service agency or the gas supplier.

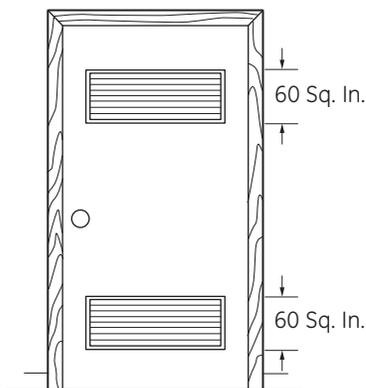
MISCELLANEOUS REQUIREMENTS

LOCATION

- The appliance must be installed on firm flooring to minimize vibration during spin cycles. Concrete flooring is best, but wood base is sufficient, provided the floor support meets FHA standards.
- The appliance should not be installed on rugs or exposed to the weather.

DOOR VENTILATION OPENING

A minimum of 120 square inches of opening, equally divided at top and bottom, is required. Air openings are required to be unobstructed when a door is installed. A louvered door with equivalent air openings for the full length of the door is acceptable.



When louvers or registers are placed in door openings, the free air openings of the louvers or registers must equal 120 square inches.