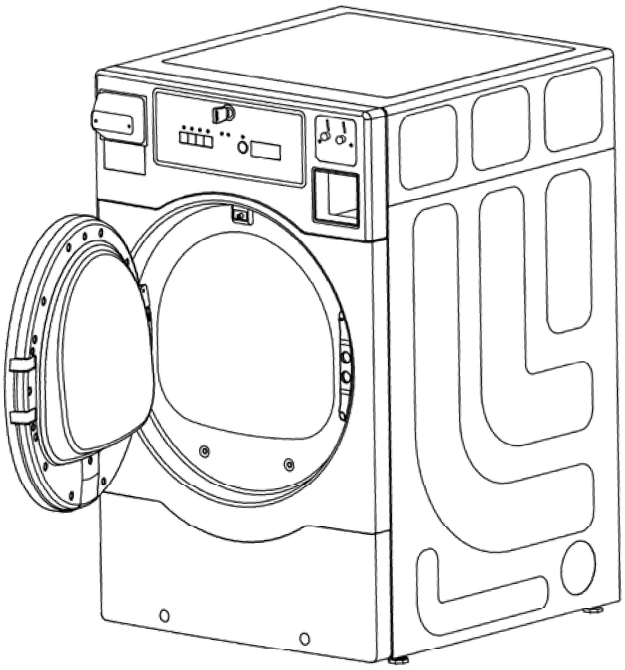
Operating Manual

ENCORE
by Wascomat



DRYER INSTALLATION MANUAL

DOC. NO. 0180500912
EDITION 4.2018

Laundrylux

IMPORTANT SAFETY INSTRUCTION

Purchaser and user should consult local gas supplier for proper instructions to be followed in the event user smells gas.

⚠WARNING

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

- **Read all instructions before using the appliance.**
- **Do not dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, or other flammable or explosive substances, as they give off vapours that could ignite or explode.**
- **Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.**
- **Before the appliance is removed from service or discarded, remove the door to the drying compartment.**
- **Do not reach into the appliance if the drum is moving.**
- **Do not install or store this appliance where it will be exposed to the weather.**
- **Do not tamper with controls.**
- **Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.**
- **Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.**
- **Do not use heat to dry articles containing foam rubber or similarly textured rubber-like materials.**
- **Clean lint screen before or after each load.**
- **Keep area around the exhaust opening and adjacent surrounding areas free from the accumulation of lint, dust, and dirt.**
- **The interior of the appliance and exhaust duct should be cleaned periodically by qualified service personnel.**
- **Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.**
- **See "Electrical Requirements" located in the Installation Instructions for grounding instructions.**

SAVE THESE INSTRUCTIONS

⚠WARNING

FIRE OR EXPLOSION HAZARD

- Failure to follow safety warnings exactly could result in serious injury, death or property damage.
- Do not store or use gasoline or other flammable vapors and liqids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- Do not light the gas appliance; Do not touch any electrical switch.
- Do not use any phones 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, service agency, or gas supplier.

⚠WARNING

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.

⚠WARNING

FIRE HAZARD:

- Failure to follow safety,warnings exactly could result in serious injury, death or property damage.
- Do not install a booster fan in the exhaust duct.
- Install all clothes dryers in accordance with the installation instructions of the manufacturer of the dryer.

⚠FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Model Numbers

Electric

DLHF0315CEMI

DLHF0315CE

DLHS0315CEMI

DLHS0315CE

DLHF0315EMI

DLHF0315E

DLHS0315EMI

DLHS0315E

Gas

DLHF0315GMI

DLHF0315G

DLHS0315GMI

DLHS0315G

Installation Instructions

Install the clothes dryer according to the manufacturer's instructions and local codes.

⚠WARNING

Risk of Fire

- **Clothes dryer installation must be performed by a qualified installer**
- **Do not install a clothes dryer with flexible plastic venting materials. If flexible metal (foil type) duct is installed, it must be of a specific type identified by the appliance manufacture as suitable for use with clothes dryers. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct clothes fryer airflow and increase the risk of fire.**
- **To reduce the risk of severe injury or death, follow all installation instructions.**

WARNING: ALL OPERATING AND MAINTENANCE PROCEDURES SHOWN IN THIS MANUAL MUST BE FOLLOWED AT THE FREQUENCY SPECIFIED FOR PROPER OPERATION OF YOUR MACHINE.

PLEASE ENTER THE FOLLOWING INFORMATION AS IT APPEARS ON THE MACHINE(S) DATA PLATE(S).

MACHINE MODEL	
MACHINE SERIAL NUMBER	
MACHINE TYPE (GAS / ELECTRIC)	

SAVE THESE INSTRUCTIONS

NOTICE TO: OWNERS, OPERATORS AND DEALERS

IMPROPER INSTALLATION AND INADEQUATE MAINTENANCE, POOR HOUSEKEEPING AND WILLFUL NEGLECT OR BYPASSING OF SAFETY DEVICES MAY RESULT IN SERIOUS ACCIDENTS OR INJURY. TO ASSURE THE SAFETY OF CUSTOMERS AND/OR OPERATORS OF YOUR MACHINE, THE FOLLOWING MAINTENANCE CHECKS MUST BE PERFORMED ON A DAILY BASIS.

1. Prior to operation of the machine, check to make certain that all operating instructions and warning signs are affixed to the machine and legible. (See the following page of this manual for description and location of the signs). Missing or illegible ones must be replaced immediately. Be sure you have spare signs and labels available at all times. These can be obtained from your distributor or from Laundrylux.
2. CLOSE THE DOOR and start machine. While operating open the door. The machine must stop. If the machine fails to stop, disconnect power and arrange for service.
3. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO BYPASS OR REWIRE ANY OF THE MACHINE SAFETY DEVICES AS THIS CAN RESULT IN SERIOUS ACCIDENTS.
4. Be sure to keep the machine(s) in proper working order. Follow all maintenance and safety procedures.
5. Further information regarding machine safety, service and parts can be obtained from your dealer or from Laundrylux through its Technical Care Department - (516) 371-0700.

   All requests for assistance must include the model, serial number and electrical characteristics as they appear on the machine identification plate. Insert this information in the space provided on earlier page of the manual.
6. WARNING: DO NOT OPERATE MACHINE(S) WITH SAFETY DEVICES BYPASSED, REWIRED OR INOPERATIVE!
7. Failure to properly ground the dryer may result in hazardous conditions and will void the warranty.

NOTICE TO INSTALLER

Improper installation of this machine:

- May cause serious damage to the machine.
- May result in other property damage.
- May cause personal injury.
- Will void the manufacturer's warranty.

Location Requirements

- The dryer must be installed on a sound level floor capable of supporting its weight. Carpeting must be removed from the floor area that the dryer is to rest on.
- The dryer must be installed with adequate clearance for air openings in the cabinet.
- The dryer must be installed or stored in an area where it will not be exposed to water and/or weather.
- Dryers installed in residential garages must be elevated 18-inches (45.72 cm) above the floor.

IMPORTANT

- The dryer should be located where a minimum amount of exhaust ducting will be necessary.
- The dryer must be installed in a location/ environment, which the ambient temperature remains between 40° F (4° C) and 130° F (54° C).

Additional Requirements

- Do not use an extension cord with this appliance. It must be plugged directly into a grounded electrical outlet.

Contents

MAXIMUM CAPACITY (DRY)	22 lb	10 kg
TUMBLER DIAMETER	26 in	66 cm
TUMBLER DEPTH	20.8 in	53 cm
TUMBLER VOLUME	7.7 cu ft	0.22 cu m
TUMBLER/DRIVE MOTOR	1/3 hp	0.25 kW
BLOWER/FAN MOTOR	BLOWER DRIVEN BY TUMBLER MOTOR	
DOOR OPENING (DIAMETER)	22.44 in	57 cm
DOOR SILL HEIGHT	12.6 in	32 cm
GAS MACHINE		
VOLTAGE AVAILABLE	120/240V 1ø 60 Hz	
APPROXIMATE NET WEIGHT	158.7 lb	72 kg
APPROXIMATE SHIPPING WEIGHT	176 lb	80 kg
AIRFLOW	192 cf/m	326.21 cm/h
HEAT INPUT	19000 Btu/hr	4791.12 kCal/hr
EXHAUST CONNECTION	4 in	10.16 cm
NATURAL GAS SUPPLY	4.5 - 10.5 in-WC	
NATURAL GAS MANIFOLD	3.0 in-WC	
L.P. SUPPLY PRESSURE	11 in-WC	
L.P. MANIFOLD PRESSURE	11 - 14 in-WC	
INLET PIPE CONNECTION	3/8” M.N.P.T.	
ELECTRIC MACHINE		
VOLTAGE AVAILABLE	120/240V 1ø 60 Hz	
	120/208V 3ø 60 Hz	
APPROXIMATE NET WEIGHT	154 lb	69.85 kg
APPROXIMATE SHIPPING WEIGHT	172 lb	78.02 kg
AIRFLOW	192 cfm	326.21 cm/h cm/h
EXHAUST CONNECTION	4 in	10.16 cm
HEAT INPUT	17460 Btu/hr	4402.79 kcal/hr

The manufacturer reserves the right to make changes in specifications at any time without notice or obligation.

1:2 Safety Precautions

Please observe all safety precautions displayed on the equipment and/or specified in the installation manual included with the dryer. For your safety, the instructions in this manual must be followed to minimize the risk of fire or explosion and to prevent property damage, personal injury, or loss of life.

- You must disconnect and lockout the electric supply and the gas supply before any covers or guards are removed from the machine to allow access for cleaning, adjusting, installation, or testing of any equipment per OSHA standards.
- Before installation, check that the local distribution conditions, type of gas and pressure, and adjustment of the appliances are compatible.
- The dryer must never be operated with any of the back guards, outer tops, or service panels removed. Personal injury or fire could result.
- Failure to properly install, maintain, and/or operate dryer according to this manual and operator's manuals included with dryer may result in conditions that can cause serious injury, death and/or property damage.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this appliance.
- Do not spray aerosols in the vicinity of this appliance while it is in operation.
- Purchaser and user should consult the local gas supplier for proper instructions to be followed in the event the user smells gas. The instructions should be posted in a prominent location.
- For personal safety, the dryer must be electrically grounded in accordance with local and/or country codes. In the absence of these codes use the National Electrical Code ANSI/NFPA NO. 70-LATEST EDITION or in Canada, the Canadian Electrical Codes Parts 1 & 2 CSA C22.1-1990 or LATEST EDITION.

1:3 Warnings

- Dryer(s) should never be left unattended while in operation.
- When discarding or storing your old clothes dryer, remove the door.
- Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper operation.
- Do not dry mop heads in the dryer.
- Do not use dryer in the presence of dry cleaning fumes.
- The dryers must not be installed or stored in an area where it will be exposed to water and/or weather.
- Under no circumstances should the dryer door switch(es), lint door switch(es), or heat safety circuit(s) ever be disabled.
- Do not modify this appliance.
- The dryer must never be operated without the lint filter/screen in place
- If the hi-limit thermostats trips, a service call is required to investigate the reason and resolve the issue.
- A program should be established for the inspection and cleaning of lint in the burner area, exhaust ductwork, and area around the back of the dryer. The frequency of inspection and cleaning can best be determined from experience at each location.

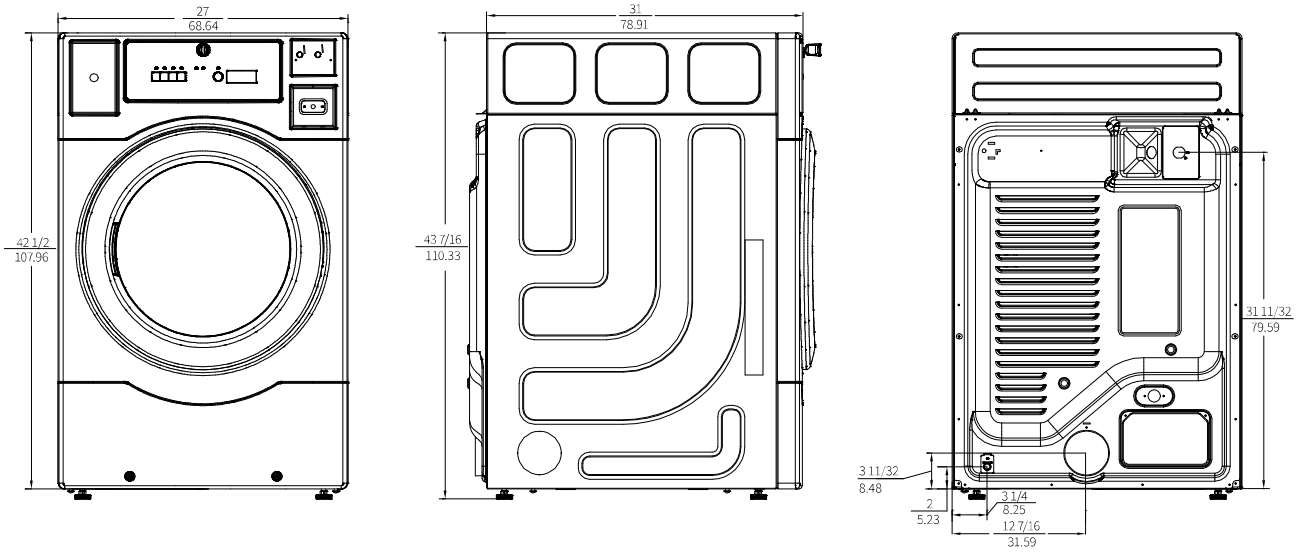
- Remove articles from the dryer as soon as the drying cycle has been completed.
- The operation of this appliance may affect the operation of other types of gas appliances, which take their air for safe combustion from the same room. If in doubt, consult the appliance manufacturer(s).
- Use this dryer only for its intended purpose, drying fabrics.
- The “Cool Down” Cycle of tumble dryers should be used to reduce the temperature of the items. They should not be removed from the tumble dryer or piled or stacked while hot.
- Fabric softeners or similar products should not be used in a tumble dryer to eliminate the effects of the static electricity, unless this practice is specifically recommended by the manufacturer of the fabric softener or product.
- Exhaust outlet, duct and damper(s) should be periodically cleaned of all accumulated lint.
- This appliance must only operate with the gas type indicated on the dryer’s data plate. If the appliance is converted (gas type is changed), a data plate amendment must be applied.
- This appliance may cause spillage of products of combustion from an open-flue appliance installed in the same room. Such an appliance shall be tested for absence of products of combustion with both appliances in operation and all windows and doors closed.
- Disconnect power before resetting/replacing hi-limit thermostats.

⚠ WARNING

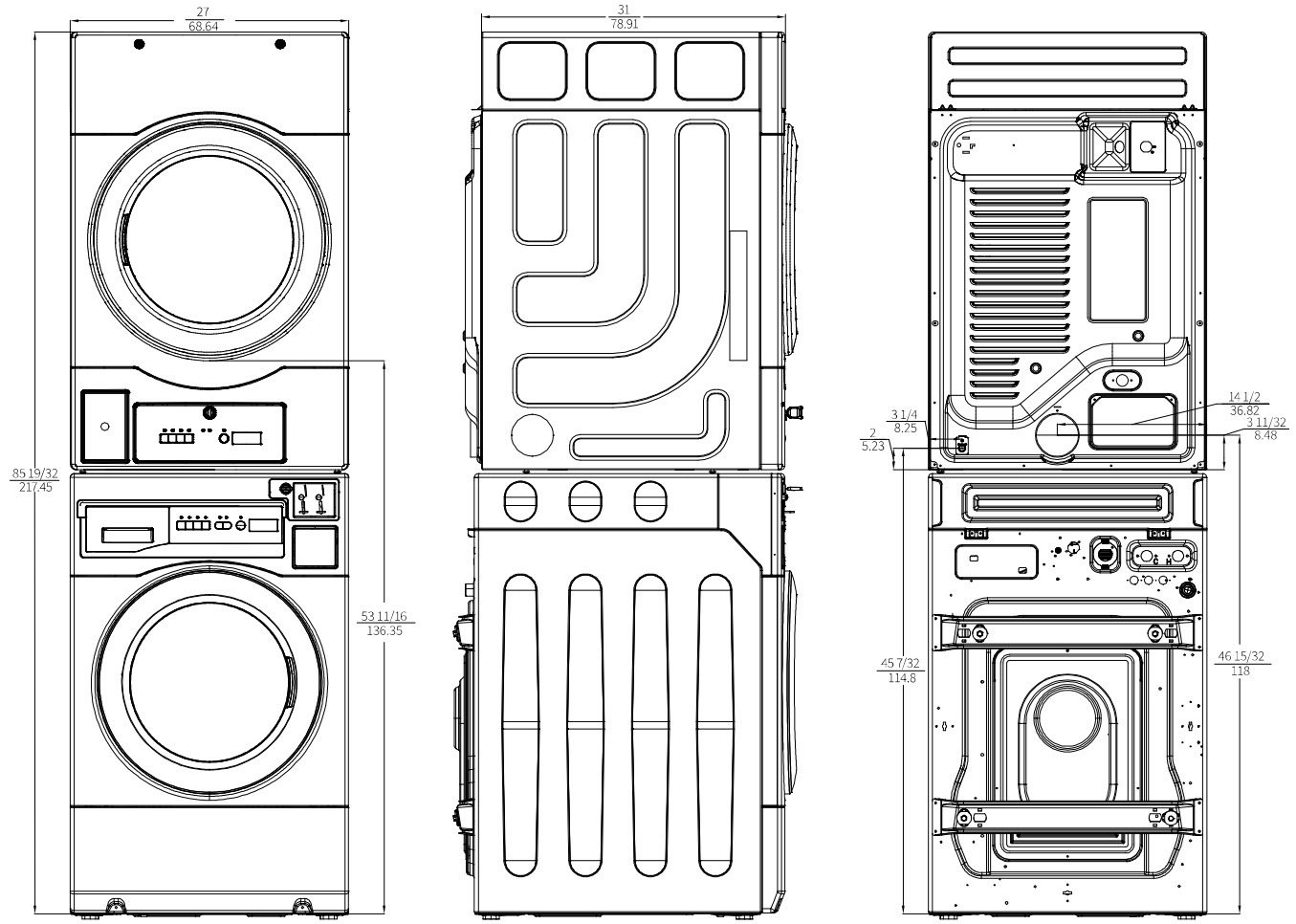
- **Dry only water washed fabrics. Do not dry articles spotted or washed in dry cleaning solvents, combustible detergents, or “all purpose” cleaner. Explosion could result.**
- **Do not dry rags or articles coated or contaminated with gasoline, kerosene, oil, paint, or wax. Explosion could result.**
- **Items that have been spotted or soaked with vegetable or cooking oil constitute a fire hazard and should not be placed in a tumble dryer.**
- **Do not use heat for drying articles that contain plastic, foam, sponge rubber, or similarly textured rubber materials. Drying in a heated tumbler may damage plastics or rubber and also may be a fire hazard.**
- **The collection of lint in the burner area and exhaust ductwork can create a potential fire hazard.**
- **Personal injury or fire could result should the dryer door switch, lint door/drawer, or heat safety circuit ever be disabled.**
- **Articles left in the dryer after the drying and cooling cycles have been completed can create a fire hazard.**
- **To reduce the risk of personal injury, install lockable doors to prevent public access to the rear of the dryers.**
- **The exhaust duct must not be connected or secured with screws or other fastening devices that extend into the interior of the duct.**
- **A 1/8 inch NPT minimum plugged tapping, accessible for test gauge connection, must be installed immediately upstream of the gas supply connection to the dryer.**

Technical Data

Stand Alone Dryer

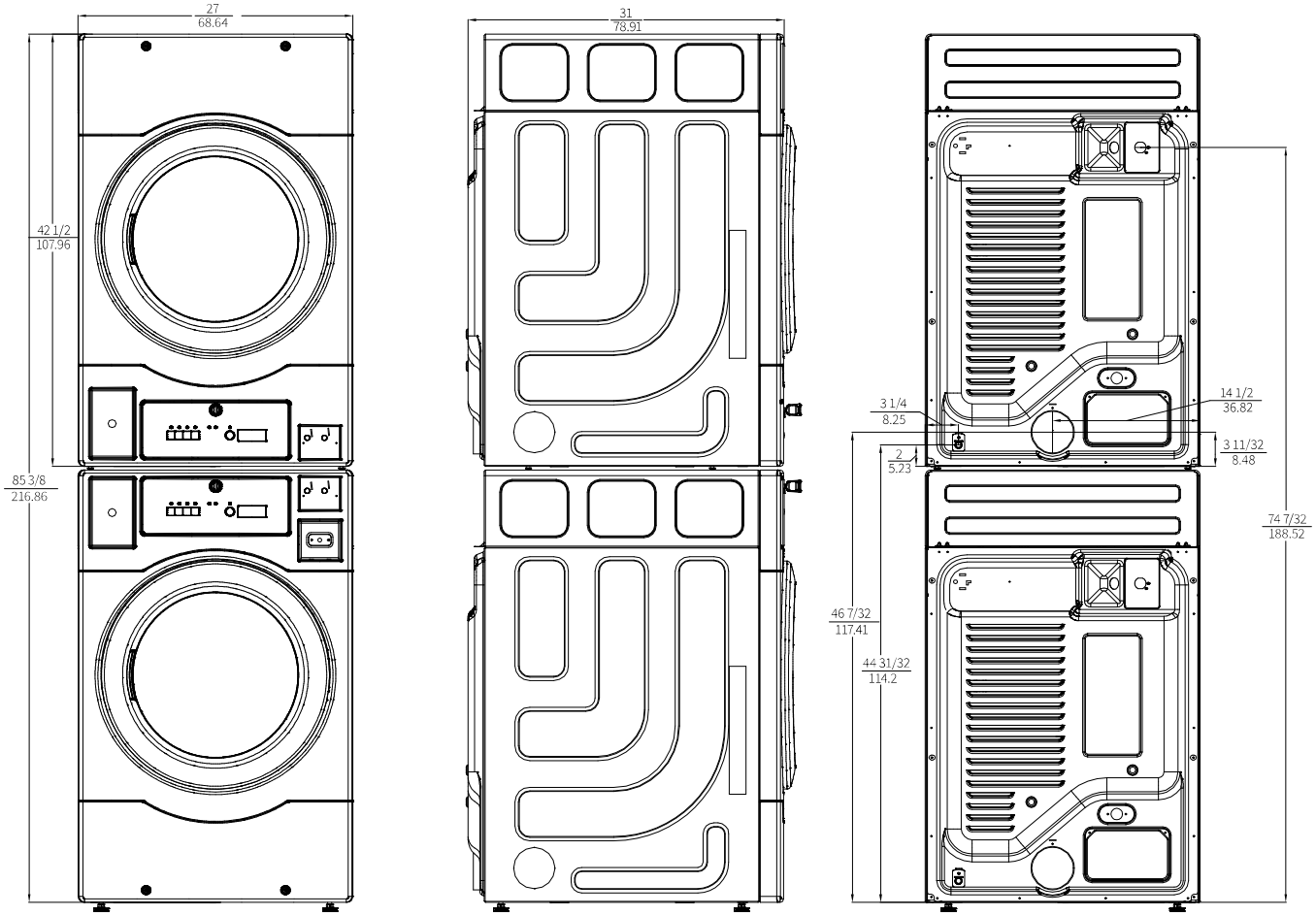


Washer Dryer Stack



(inches/cm)

Dryer Dryer Stack



(inches/cm)

Installation

Installation Procedures

Installation should only be performed by qualified individuals in accordance with local, state, and national codes. In the absence of these codes, the installation must conform to applicable American National Standards: ANSI Z223.1- LATEST EDITION (National Fuel Gas Code) or ANSI/NFPA NO. 70-LATEST EDITION (National Electrical Code) or in Canada, the installation must conform to applicable Canadian Standards: CAN/CGA-B149.1-M91 (Natural Gas) or CAN/ CGA-B149.2-M91 (L.P. Gas) or LATEST EDITION (for General Installation and Gas Plumbing) or Canadian Electrical Codes Parts 1 & 2 CSA C22.1-1990 or LATEST EDITION (for Electrical Connections).

Location Requirements

Before installing the dryer, be sure the location conforms to local, state, and national codes. In the absence of such codes or ordinances the location must conform with the National Fuel Gas Code ANSI.Z223.1 LATEST EDITION, or in Canada, the installation must conform to applicable Canadian Standards: CAN/CGA-B149.1-M91 (Natural Gas) or CAN/ CGA-B149.2-M91 (L.P. Gas) or LATEST EDITION (for General Installation and Gas Plumbing).

Unpacking / Setting Up

IMPORTANT

- Dryer must always be transported and handled in an upright position.
- Remove protective shipping material (i.e., plastic wrap and optional shipping box) from the dryer.
- All four leveling legs on stand-alone models are to be adjusted to level the dryer front to back, and side to side.
- The machine should be positioned so that there is clearance for users and service personnel.

Dryer Enclosure Requirements

Commercial

- Bulkheads and partitions are recommended to be made of noncombustible material.
  - The requirement to allow the door to open completely is 36 inches (91 cm).
  - A minimum overhead clearance of 6-inches (15.24 cm) is recommended.
  - Dryer should be positioned a minimum of 12-inches (30.5 cm) away from the nearest obstruction. 24-inches (61 cm) is recommended for ease of installation, maintenance, and service.
  - Flooring should be level and below dryer cabinet for ease of removing panels during maintenance.
  - Dryers may be positioned side by side.

⚠WARNING

Minimum clearances for closet and alcove installations: Sides 1", Rear 3", Top 1", Front 3". Closet doors must be louvered or otherwise ventilated and have at least 60 square inches of open area.

IMPORTANT

The Dryer – Dryer stacked unit is recommended to be installed by 2 people.

For stacked washer and dryer unit, the washer should be installed in accordance with washer installation manual and tested first.

Fresh Air Supply Requirements

When the dryer is operating, it draws in room air, heats it, passes this air through the tumbler, and exhausts it out of the building. The room air must be continually replenished from the outdoors (make-up air). Replenishment of room air via HVAC systems is not acceptable. If the make-up air is inadequate - product reliability, drying time and drying efficiency may be adversely affected. Ignition issues may also result in gas heated models.

Air supply (make-up air) must be given careful consideration to ensure proper performance of each dryer. Fresh air ventilation openings shall not be blocked and/or sealed. Generally, an unrestricted air entrance from the outdoors of 26 inch^2 (168 cm^2) for each dryer. (Based on 1 inch^2 [6.5 cm^2] per 1,000 Btu [252 kcal].)

It is not necessary to have a separate make-up air opening for each dryer. Common make-up air openings are acceptable. However, they must be set up in such a manner that the make-up air is distributed equally to all the dryers.

To compensate for the use of louvers used over the openings, this area must be increased by the amount recommended by the supplier of the louvers. Make-up air openings should not be located in an area directly near where exhaust vents exit the building.

Allowances must be made for remote or constricting passageways or where dryers are located at high altitudes or predominantly low-pressure areas.

IMPORTANT

Component failure due to dry cleaning solvent fumes will void the warranty.

Exhaust Requirements

Exhaust ductwork should be designed and installed by qualified professional. Improperly sized ductwork will create excessive back pressure, which results in slow drying, increased use of energy, and possible shutdown of the dryer by a hi-limit thermostat. The dryer must be installed with a proper exhaust duct connection leading to the outdoors.

The dryer shall not be exhausted into any gas vent, chimney, wall, ceiling or concealed space of a building.

The condensate formed when operating the appliance from cold shall either be retained and subsequently re-evaporated or discharged.

WARNING

- This dryer produces combustible lint and must be exhausted to the outdoors.
- Improperly sized or installed exhaust ductwork can create a potential fire hazard.
- Use only smooth-walled metal ducting.
- Failure to install back draft dampers in shared dryer exhaust ducts can cause hazardous conditions such backflow of combustible gases.

The ductwork should be installed in such a way that the ductwork travels as directly as possible to the outdoors. There should be a minimum 6-inch (15.24 cm) clearance between the back guard and the first bend in the ductwork for ease of servicing. Single or independent dryer venting is recommended. It is suggested that the use of 90° turns be avoided; use 30° and/or 45° bends

wherever possible. All ductwork should be smooth inside with no projections from sheet metal screws or other obstructions, which will result in lint accumulation. Duct sections must be oriented for proper airflow (consult duct supplier) and all joints must be taped to prevent moisture and lint from escaping. Inspection doors should be installed at strategic points in the exhaust ductwork for periodic inspection and cleaning of lint from the ductwork.

IMPORTANT

- It is recommended that exhaust or booster fans not be used in the exhaust ductwork system. If an exhaust booster fan is required, care must be taken to meet all other installation requirements.
- Exhaust back pressure measured by a manometer must be no less than 0 and must not exceed 0.6 in WC (1.5 mb).
- Do not obstruct the flow of makeup and exhaust air.
- Check backdraft dampers in the exhaust ductwork. Inspect and remove any lint accumulation, which can cause the damper to bind or stick.
- A back-draft damper that is sticking partially closed can result in slow drying and shutdown of the machine due to activation of a high limit thermostat.

IMPORTANT

When the exhaust ductwork passes through a wall, ceiling, or roof, installation must comply with applicable local and national codes.

Refer to the National Fuel Gas Code and applicable local codes for ducting requirements.

Outside Ductwork Protection

To protect the outside end of the horizontal ductwork from the weather, a 90° elbow bent downward should be installed where the exhaust exits the building. If the ductwork travels vertically up through the roof, it should be protected from the weather by using a 180° turn to point the opening downward. In either case, allow at least twice the diameter of the duct between the duct opening and the nearest obstruction.

IMPORTANT

Do not use screens, louvers, or caps on the outside opening of the exhaust ductwork.

Single Dryer Venting

IMPORTANT

For extended ductwork runs, the cross-sectional area of the ductwork can only be increased to an extent. When the ductwork approaches the maximum limits as noted in this manual, a professional HVAC firm should be consulted for proper venting design.

Horizontal Venting

If the dryer is installed using horizontal dryer venting, the overall length of the ductwork from the dryer to the outside exhaust outlet, must not exceed 20 feet (6 meters). The diameter of this

ductwork must be 4-inches (10 cm). No more than 1 elbow should be used in the exhaust duct run (including tumbler/dryer elbow connections or elbows used for outside protection from the weather). If more than 1 elbow is used, the cross-sectional area of the ductwork must be increased.

Vertical Venting

If vertical dryer venting is used, the length of the ductwork from the dryer to the outside exhaust outlet, must not exceed 12 feet (3.5 meters). The diameter of this ductwork must be 4-inches (10 cm). No more than 3 elbows should be used in the exhaust duct run (including tumbler/dryer elbow connections or elbows used for outside protection from the weather). If more than 3 elbows are used, the cross-sectional area of the ductwork must be increased.

Multiple Dryer (Common) Venting

If it is not feasible to provide separate exhaust ducts for each dryer, ducts from individual dryers may be channeled into a “common main duct.” The individual ducts should enter the bottom or side of the main duct at an angle not more than 45º in the direction of airflow. The main duct should be tapered, with the diameter increasing before each individual duct is added. The multiple dryers must have separate backdraft dampers when connected through a shared venting.

IMPORTANT

- No more than four dryers should be connected to one main common duct.

The illustration below shows the minimum cross-sectional area for multiple dryer round or square venting. These figures must be increased if the main duct run from the last dryer to where it exhausts to the outdoors is longer than 12 feet (3.5 meters) or has more than one elbow in it.

NOTE

- Clearance to surfaces adjacent to ductwork must comply with applicable national and local codes.
- Distance should be 2 times the diameter of the duct to the nearest obstruction.

NUMBER OF DRYERS		4	3	2	1
MINIMUM CROSS-SECTIONAL AREA	SQ IN	80	80	54	30
MINIMUM ROUND DUCT DIAMETER	IN	10	10	8	6

Electrical Requirements

All electrical connections must be made by a properly licensed qualified electrician. This is to ensure that the electrical installation is adequate and conforms to local, state, and national codes in the country of installation. In the absence of such codes, all electrical connections, materials, and workmanship must conform to the applicable requirements of the National Electrical Code ANSI/NFPA NO.70-LATEST EDITION or in Canada, the Canadian Electrical Codes Parts 1 & 2 CSA C22.1-1990 or LATEST EDITION.

WARNING

- Failure to comply with these codes or ordinances, and/or the requirements stipulated in this manual can result in personal injury or component failure.
- Component failure due to improper voltage application will void the warranty.
- Component failure due to improper installation will void the warranty.

IMPORTANT

- A separate branch circuit must be provided for each dryer.
- The dryer must be connected to the electric supply shown on the data label any damage done to dryer components due to improper voltage connections will void the warranty.

Electrical Service Specifications

Gas Heated Models

ELECTRICAL SERVICE SPECIFICATIONS (PER POCKET)				
SERVICE VOLTAGE	**PHASE**	**WIRE SERVICE**	**APPROX. AMP DRAW** 60 Hz	**CIRCUIT BREAKER**
120	1ø	2	6.8 A	15 A

Electric Heated Models

All electrically heated dryers must be connected to the electric service shown on the dryer's data label. The connecting wires must be properly sized to handle the rated current.

ELECTRICAL SERVICE SPECIFICATIONS (PER POCKET)				
SERVICE VOLTAGE	**PHASE**	**WIRE SERVICE**	**APPROX. AMP DRAW** 60 Hz	**CIRCUIT BREAKER**
120/240V	1ø	3	24 A	30 A
120/208V	3ø	3	23 A	30 A

Grounding

A ground (earth) connection must be provided and installed in accordance with local, state, and national codes. In the absence of these codes, grounding must conform to applicable requirements of the National Electrical Code ANSI/NFPA NO. 70-LATEST EDITION, or in Canada, the installation must conform to applicable Canada Standards: Canadian Electrical Codes Parts 1 & 2 CSA C22.1-1990 or LATEST EDITION.

Wiring Connections / Hookup

Electric Heated Models

When local codes allow, the electrical supply of the dryer may be connected by means of a new power supply cord kit, marked for use with a dryer, that is U.L. listed and rated at a minimum of 120/240 volts, 30-ampere with three No. 10 copper wire conductors terminated with closed loop terminals, open-end spade lugs with turned up ends, or with tinned leads.

The electrical input connections are made into the rear service compartment of the dryer.

All electrically heated dryers are 120/208V,120/240V single-phase that require grounding of neutral wire and ground. A ground lug has been provided for this purpose, see Figure A.

Note that machines sold in Canada are factory-equipped with a power cord and four-prong plug, see Figure B.

CAUTION: A 4-conductor cord shall be used when the appliance is installed in a location where grounding through the neutral conductor is prohibited. Grounding through the neutral conductor is prohibited for (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductors.

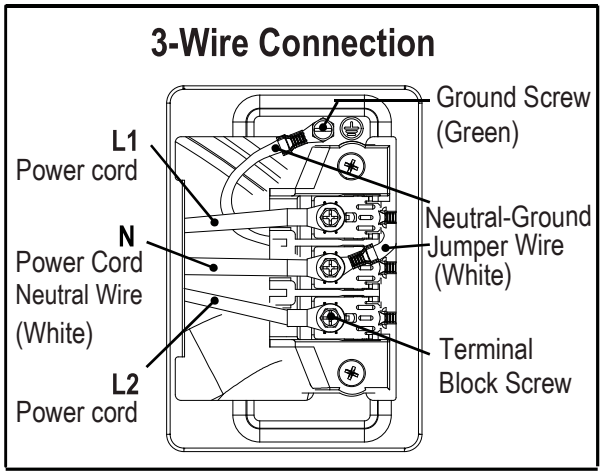


Figure A

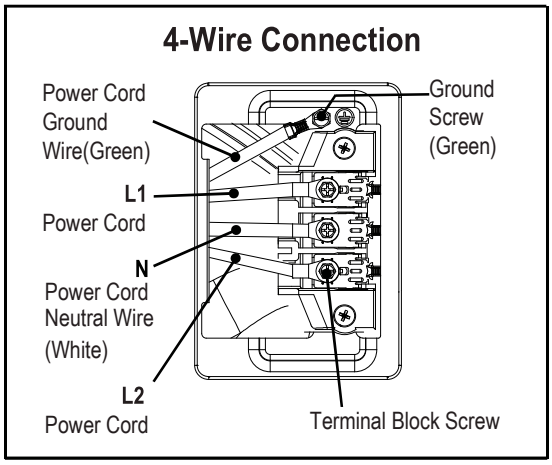


Figure B

Input connection wiring must be properly sized to carry the dryer's current draw. This information is printed on the dryer's data label. Electrically heated dryers are not equipped with a line cord from the factory. A suitable line cord must be provided by the installer. The dryer's input terminal block includes a bonding jumper wire between the neutral wire terminal of the power-input terminal block and chassis of the machine. This bonding jumper MUST be removed for four wire line cord connection. Refer to local and national codes for specific connection requirements.

Wiring Connections / Hookup

Gas Heated Model

All gas model dryers are 120 volts and come with an integrated 3-prong NEMA plug intended for connection to a dedicated branch receptacle.

Gas Information

Gas installation and adjustment must be done by qualified, licensed personnel. It is your responsibility to have all plumbing connections, materials, and workmanship comply with national and local codes in the country of installation. In the absence of such codes, all plumbing connections, materials, and workmanship must comply with the National Fuel Gas Code ANSI Z223.1-LATEST EDITION, or in Canada, the Canadian Installation Codes CAN/CGA-B149.1-M91 (Natural Gas) or CAN/CGAB149.2-M91 (L.P. Gas) or LATEST EDITION.

It is important that any gas pressure regulators meet the requirements of all installed appliances.

IMPORTANT

- Failure to comply with applicable codes, and the requirements stipulated in this manual, can result in personal injury and improper operation of the dryer.
- For ease of service, the individual gas supply line of each dryer must have its own manual shutoff valve.
- The dryer must be disconnected from the gas supply piping system during pressure testing.
- Failure to isolate or disconnect the dryer from the gas supply as noted can cause irreparable damage to the gas valve, voiding the warranty.
- Undersized gas piping will result in ignition problems, slow drying, increased use of energy, and can create a safety hazard.
- The manufacturer of this appliance does not recommend the use of flexible gas supply line/hose. If permitted by applicable codes, the flexible line must be suitable for the appliance category.

Grounding Information

This appliance must be grounded. In the event of 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 properly installed and grounded in accordance with all local codes and ordinances.

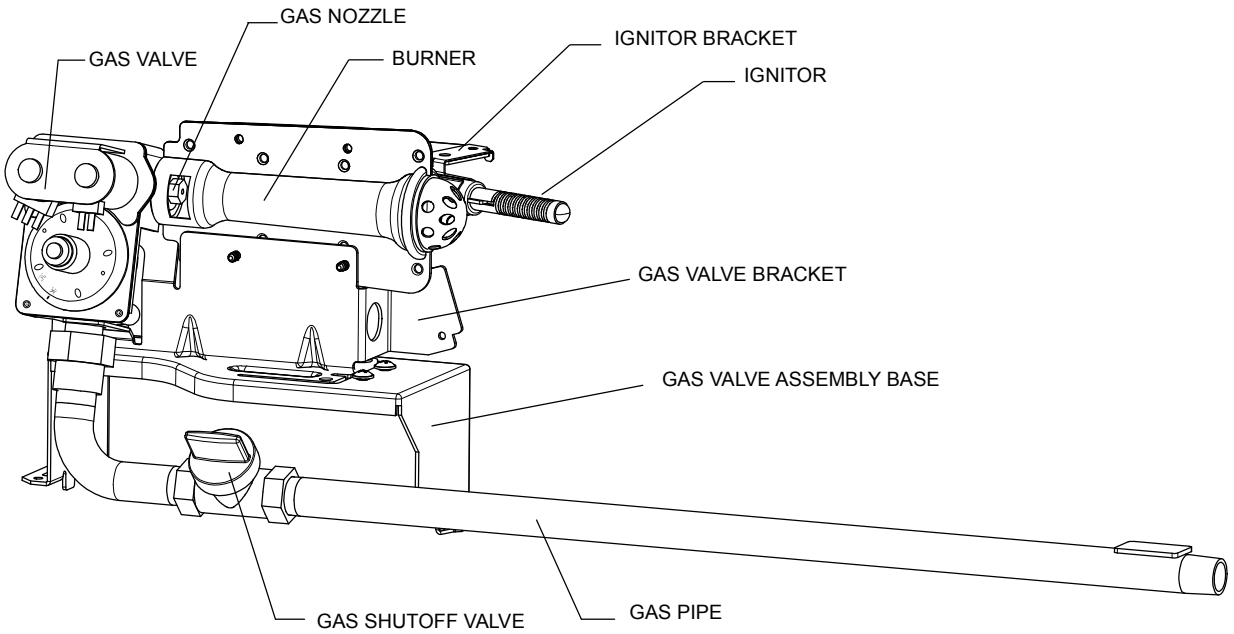
WARNING

- Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative or personnel if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with your dryer- if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

WARNING

- Fire or explosion could result due to failure to isolate or disconnect the gas supply as noted.

The dryer must be connected to the type of heat/gas indicated on the data label and the correct pressure must be confirmed. If this is not possible, do not connect the dryer. Contact the reseller who sold the dryer or the manufacturer.



Heat Input / Gas Consumption/Orifice (Injector) Data

Consistent gas pressure is essential at all dryer gas connections. It is recommended that a 3/4-inch (19mm) pipe gas loop be installed in the supply line servicing a bank of dryers. For natural gas installation an in-line pressure regulator must be installed in the gas supply line if the gas pressure exceeds 10.0 in WC (25 mb) pressure.

A plugged tap, accessible for a pressure gauge connection, must be installed in the main gas supply line immediately upstream of the dryers.

Gas Type	Nominal Heating Value	Supply Pressure	Gross Heat Input		Orifice Size		Orifice Injector Quantity	Burner Pressure
	Btu/ft^3	In-WC	Btu/hr	kW	DMS	mm		In-WC
Natural Gas	1000	4.5 - 10.5	19000	5.5	44	2.2	1	3
Liquid Propane	2500	11 - 14	19000	5.5	55	1.3	1	10.5

WARNING

- Never test for leaks with a flame!!!

WARNING

- This appliance must only be operated with the gas type indicated on the dryer's data plate. If the appliance is converted (gas type changed), a data plate amendment must be obtained from the manufacturer (dryer's serial number is required to purchase a conversion kit).

IMPORTANT

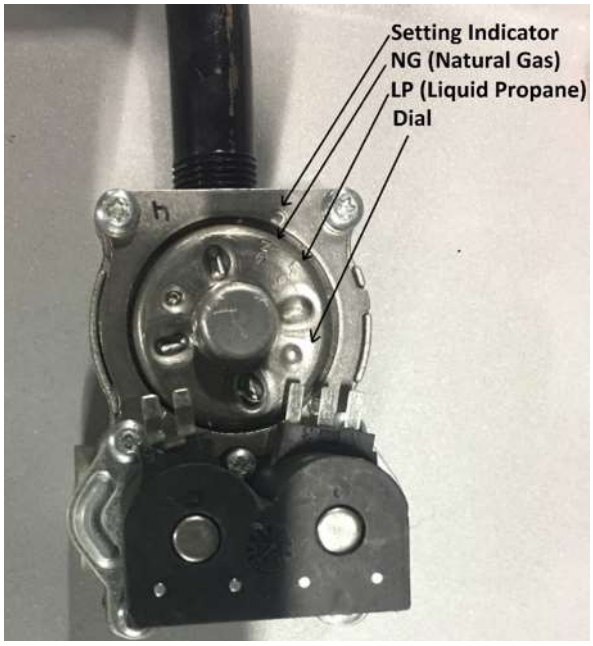
- Any burner changes or conversions must be made by qualified personnel.

CONVERSION FROM NATURAL GAS TO PROPANE GAS

WARNING

This procedure must be carried out by a qualified, licensed gas-appliance technician.

- Disconnect electrical power to the dryer.
- Close all shut-off valves in the dryer's gas supply line.
- Open the toe panel of the dryer.
- Disconnect ignitor wires from harness and then remove the burner tube.
- Remove the burner orifice from the valve and replace it with the proper orifice. Use orifice # 44 for NG and orifice # 55 for LP. Orifice number is stamped on the edge of the hex head of the orifice. Securely tighten.
- Put the burner tube on the burner assembly. Securely tighten.
- Reconnect the ignitor to the harness.
- Observe the cover dial settings indicated as NG and LP along with the gas type indicator.
- Position a pair of needle nose pliers into the slots of the cover dial.
- Rotate the cover dial to line up with LP marking with the indicator on the gas valve.



WARNING

- Improper FUEL Conversions can result in fire or explosion!

Gas Pressure Adjustment

Disconnect electrical power to the dryer.

Gas (burner) pressures are measured with the burner in operation for all burner adjustment conditions. Therefore once the necessary adjustments have been made, the dryer must be operated in a heating cycle to verify that the pressure is correct. If it is not correct, you must discontinue the power to the unit and make further adjustments. Repeat these steps as many times as necessary to achieve the correct burner pressure. Once the adjustment of the valve is complete, the vent cap must be replaced and sealed with, for example, paint to prevent maladjustment by the user.

Gas Pressure Testing

For proper operation, the gas supply and regulated pressures must be correct. Verify correct pressure according to the instructions below. This procedure must be carried out by qualified, licensed personnel.

WARNING

- Turn gas shutoff valve in gas supply line to “OFF” position.
- Install a pressure tap fitting and attach a manometer.
- Turn gas shutoff valve to “ON” position
- Start the dryer in Heat Mode and wait for ignition. Gas manifold pressure should be specified for the applicable fuel.

  If the gas pressure needs to be adjusted, refer to “Gas Pressure Adjustment” in this section.
- Once test is complete, turn shutoff-valve to “OFF” position. Remove manometer. Tighten screw inside the pressure tap or install plug.
- Turn gas shutoff-valve to “ON” position and check for leaks with soap solution with at the pressure tap with the burner on.

Pre Operational Instructions

The following items should be checked before attempting to operate the dryer:

- Read all “IMPORTANT” AND “WARNING” labels attached to the dryer.
- Check incoming supply voltage to be sure that it is the same as indicated on the data label.
- GAS MODELS – Check to ensure that the dryer is connected to the type of gas indicated on the dryer data label.
- GAS MODELS – Be sure that all gas shutoff valves are in the open position.
- Be sure all back panels (guards) and electric box covers are in place.
- Be sure the service doors are closed and securely in place.
- Be sure the lint filter is securely in place.
- Rotate the tumbler (drum) by hand in both directions to be sure it moves freely.
- Check bolts, nuts, screws, terminals, and fittings for tightness and security.
- Check that the vent is connected to the dryer and is exhausted to the outdoors.

Function Checks

All dryers are thoroughly tested and inspected before leaving the factory. However, a test should be performed before the dryer is publicly used. It is possible that adjustments have changed in transit or due to marginal location (installation) conditions.

Gas Dryers

- Open all shutoff valves.
- Turn on electric power to the dryer.
- Run the “No Heat” drying program and check if the drum is rotating properly.
- Run the “Low Heat” and to check the Ignition.
- Refer to the Operating Instructions for starting your particular model dryer.

When a gas dryer is first started (during initial start-up), it has a tendency not to ignite on the first ignition attempt. This is because the gas supply piping is filled with air, so it may take a few minutes for the air to be purged from the lines.

NOTE

- During the purging period, check to be sure that all gas shutoff valves are open.
- A gas pressure test should be taken at the gas valve pressure tap of each dryer to ensure that the water column pressure is correct and consistent.
- Water column pressure requirements (measured at the pressure tap of the gas valve body) must be verified.
- Dryers configured for L.P. operation do not have a regulator. The water column pressure must be regulated at the source (L.P. tank), or an external regulator must be added to each dryer’s L.P. connection line.

Pre Operational Instructions

Electrical Heated Dryers

- Turn on electric power to the dryer.
- Run the “No Heat” drying program and check if the drum is rotating properly.
- Check to ensure that electric oven/contactor assembly is activating.
- Run the “Low Heat” and to check the Ignition
- Refer to the Operating Instructions for starting your particular model dryer.

Shutdown Instructions 4:1

If the dryer is to be shutdown (taken out of service) for a period of time, the following must be performed:

- Disconnect power to the dryer either at the external disconnect switch or the circuit breaker.

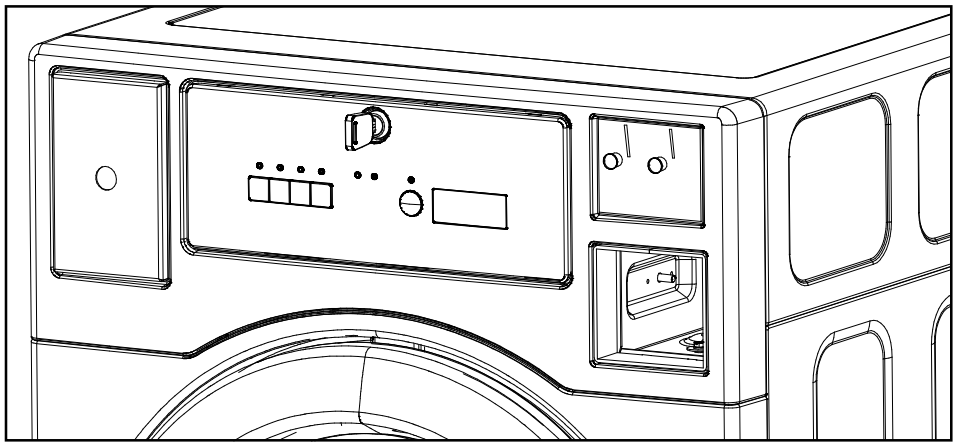
Gas Models

- Turn off external gas supply shutoff valve.

Coin Meter Installation and Blocking Plate 5:1

Install the Coin Meter (Coin Operated Models)

1. Unlock control panel with the provided key.
2. Loosen four screws in the control panel.
3. Demount the control panel seat.
4. Install the coin meter faceplate into the control panel and then assemble the coin meter(s) into the faceplate.
5. Plug the coin meter(s) into COIN 1 (Red) and COIN 2 (Red) harnesses inside the dryer.
6. Carefully reattach the coin meter harnesses using the cable ties mounted on the chassis behind the coin meter(s). Make sure the harnesses do not obstruct coins dropping into the coin vault and that they do not touch moving parts on the sides of the coin meter(s).
7. Reinstall the control panel seat by using the four screws, then and locking main control panel.



Install the Blocking Plate (Non Metered Models)

1. Push the blocking plate into the coin vault until the tabs lock in place.

Preventive Maintenance

Cleaning

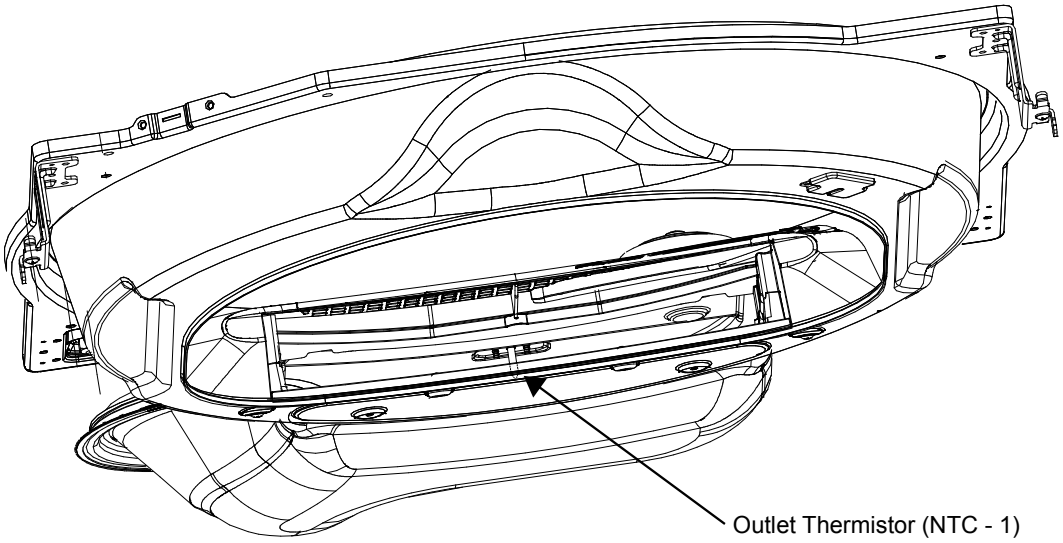
A program and/or schedule should be established for periodic inspection, cleaning, and removal of lint from various areas of the dryer, as well as throughout the ductwork system. The frequency of cleaning can best be determined from experience at each location. Maximum operating efficiency is dependent upon proper airflow. The accumulation of lint can restrict this airflow. If the guidelines in this section are met, the dryer will provide many years of efficient, trouble free, and most importantly, safe operation.

Daily

- Clean the lint screen after each load.

Weekly

- Clean lint accumulation from lint chamber, and temperature sensor area.
- See illustration below.
- Clean the door gasket.
- Use a soft wash cloth and mild detergent to clean door.



Every Third Month

- Disconnect Power.
- Remove lint from gas valve burner area with a dusting brush or vacuum cleaner attachment.
- Vacuum make up air inlet holes. On removing the lint filter from the lint compartment, clean lint in the lint compartment.
- Clean any lint accumulation in and around the motor(s) casing opening.
- NOTE: To prevent damage, avoid cleaning and/or touching ignitor/flame-probe assembly.

To be carried out by qualified personnel.

Every 6 Months ***(Refer this service to qualified personnel)***

- Inspect and remove lint accumulation external exhaust ductwork and from dryer's internal exhaust ducting.
- The accumulation of lint in the exhaust ductwork can create a potential fire hazard.
- Do not obstruct the flow of combustion and ventilation air. Check back draft dampers in the exhaust ductwork. Inspect and remove any lint accumulation, which can cause the damper to bind or stick. Obstructed ducting leads to longer drying times, higher energy consumption. and reduced motor life
- If ducting is highly obstructed with lint change to a shorter service interval such as every three months.
- A back-draft damper that is sticking partially closed can result in slow drying and the shutdown of heat circuit safety switches or thermostats.
- When cleaning the dryer cabinet, avoid using cleaners with harsh abrasives. A product intended for appliance cleaning is recommended.

Every 12 Months

- A competent professional should inspect bolts, nuts, screws, setscrews, grounding connections and nonpermanent gas connections (unions, shutoff valves, and orifices).
- Belts should be examined. Cracked or seriously frayed belts should be replaced.
- Complete an operational check of controls and valves.
- Complete an operational check of all safety devices (lint door switch, door switch).

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