
MULTI-HOUSING
Design Ideas
Speed Queen®
Speed Queen
Commercial Washer
Ultra High Efficiency
NOTICE
HIGH EFFICIENCY HE DETERGENT IS RECOMMENDED FOR BEST PERFORMANCE
IF USING NON HE DETERGENT, AVOID OVERSUDSING BY USING ONLY 1/2 THE DETERGENT MANUFACTURERS RECOMMENDED AMOUNT.
1. Open Dispenser Door.
2. Load Supplies in Proper Compartment (as Indicated).
3. Close Dispenser Door.

Prepared especially for: building owners, management companies, college housing directors, architects, builders, contractors, engineers, specification writers, and military procurement officers,.

For vended and commercial homestyle laundry equipment facilities in apartments, condominiums, residence halls, cooperatives, hotels, motels, military installations, campgrounds, rv parks, senior citizen residences, truck stops and marinas.

MADE WITH AMERICAN PRIDE

Manufactured in Ripon, WI
since 1908

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RENOWNED FOR MORE THAN A CENTURY

WHAT MAKES A LEADER?

At Speed Queen, we've always felt our measure is equal parts quality, technological innovation and time-tested performance. Our history, dating back to 1908, has been chiseled through a singular, unwavering goal - to be No. 1. That focus is the catalyst behind Speed Queen products setting industry standards for efficiency and reliability. Speed Queen remains steadfast in its passion to lead, and that persistence has our customers redefining perceived limits of productivity.

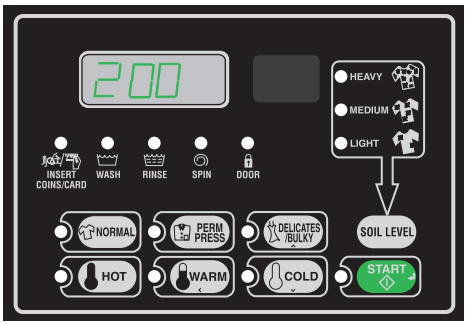
Nowhere is that more evident than in our product lines for multihousing. Designed, engineered and manufactured in Ripon, WI, we offer the widest variety of models to fit the needs of this market, and our washers and dryers lead the industry with a level of reliability that's made Speed Queen a dominant player for more than 100 years.

SPEED QUEEN STRENGTH AND EFFICIENCY

Reliable performance is only part of the reason Speed Queen has become the choice of property owners, developers and colleges. At a time when the environment influences each decision we make, Speed Queen washers and dryers deliver efficiency that makes you feel good along with real savings to remind you that you are doing good for your bottom line.

Speed Queen's Quantum™ EcoWatersaver™ combined with our front load Horizon washer reduces water consumption to a low 10.9 gallons. This superior efficiency has earned the Horizon EcoWatersaver™ an ENERGY STAR® TIER 3 rating. Likewise, Speed Queen top load washers exceed U.S. Department of Energy standards for water and energy use, while our dryers yield excellent efficient drying power to keep operating costs low.

QUANTUM™: OFFERS TOTAL AUTOMATED CONTROL



FRONT LOAD WASHER QUANTUM CONTROL

When done correctly with the right equipment and features, the laundry room can become an amenity that helps attract and retain residents. Choosing Quantum controlled Speed Queen equipment helps deliver those results.

For residents, Quantum gives them the ultimate in flexibility to tailor soil levels or wash and dry cycles to meet their specific needs. This control is designed with the user in mind, with a digital display counting down as the vend is satisfied as well as keeping them updated on wash and dry progress with a cycle time countdown.

Property owners and laundry service providers (LSP), as well, benefit from a host of features within the control and management software that help simplify operation and create additional customer opportunities.

QUANTUM™ CONTROL

The Quantum™ System is the ultimate tool for enhancing professional laundry room management of apartment laundries through laundry service providers. This new technology is available on a full line of coin or card vended washers, single load and stack dryers, tumblers and washer-extractors.

Quantum software systems utilize a handheld PDA for programming and auditing of Quantum control laundry equipment. It will track coin and card payment transactions to verify collections. Quantum control machines can also be wirelessly networked for easy setup and management.

COIN DROP VALIDATOR PLUS CARD OPERATION

For exceptional security our coin drop magnetically verifies content, coin size and weight, which ensures accurate collection information. Models also can be prepped for a card reader. Using the card reader system of your choice creates the convenience of a cashless operation for residents.

PDA

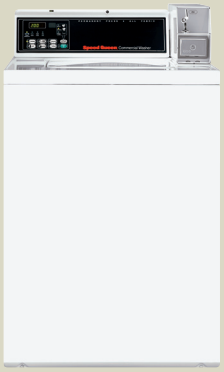
Two-way communication for programming and downloading collection information is easily accomplished in seconds with a PDA.

SPECIAL PROGRAMMING

Our special programming allows you to customize cycles, establish vend prices, determine rinse options and program special features.

- Special time-of-day pricing for managerial peak and off-peak flow.
- Premium wash cycles including soil level selections for resident satisfaction.
- Automatic shutdown mode allows you to control laundry room hours of operation by programming start and stop times.
- Power saver mode reduces power draw when laundry room is not in use.
- Top-off dryer time can be set up to allow purchase of additional time after the resident has bought the initial dryer cycle.
- Multi-level vend helps property management realize savings on hot water consumption by offering different pricing for hot and warm washes.

ENERGY SAVINGS YOU CAN SEE



TOP LOAD WASHER

EcoWatersaver™
FRONT LOAD FRONT CONTROL WASHER

EcoWatersaver™
STACK WASHER/DRYER

QUANTUM™ CONTROL PER CYCLE SAVINGS

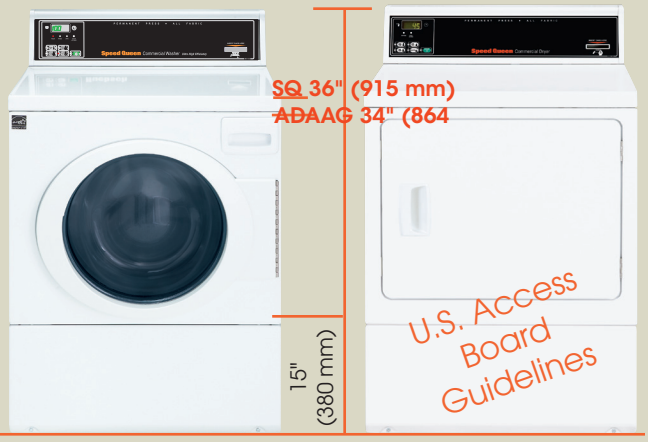
	Top Load Washer	Front Control Front Load Washer	Stack Washer/Dryer
Water	11% (3.89 gal)	67% (22.6 gal)	67% (22.6 gal)
Modified Energy Factor (MEF) liters/kWh/cycle	1.34 (37.95)	2.46 (69.8)	2.46 (69.8)
Water Factor (WF) liters/liter/cycle	9.4 (1.26)	3.83 (0.51)	3.83 (0.51)
Water Consumption gal (liters per cycle)	29.7 (112.4)	10.9 (41.3)	10.9 (41.3)
DOE Compliant	Yes	Yes	Yes

Saving calculation versus conventional commercial top loader using 33.5 gal (126.8 liters) of water and average of 5.41 gal (20.5 liters) hot water. calculations based on DOE Appendix "J1" test procedure. 10.9 lbs for top loaders and 12 lbs for front load washers. Temperature usage factors are 14% hot, 49% warm, and 37% cold.

FRONT/SIDE REACH RANGE COMPLIANT

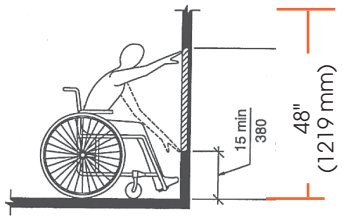
SPEED QUEEN FRONT CONTROL WASHER AND DRYER

SPEED QUEEN REAR CONTROL WASHER AND DRYER



Rear Control Models - Complies to ADAAG by exception for increasing the height of obstruction from 34" (864 mm) to 36" (915 mm) on front reach. Does not comply to HUD standard under ANSI-A117.

UNOBSTRUCTED FORWARD REACH RANGE 308.2.1



Unobstructed Forward Reach 308.2.1

ANSI	SQ Washer	ADAAG Compliant
Low 15" (380 mm)	**15" (380 mm)**	Yes
High 48" (1219 mm)	**43" (1092 mm)**	Yes

*Complies 100% to ANSI and ADAAG
Complies to HUD - ADA requirement

OBSTRUCTED SIDE REACH WITH EXCEPTION

***308.3.2 Obstructed High Reach.** (U.S. Access Boards) - The height of the obstruction shall be 34 inches (864 mm) maximum and the depth be 24 inches (610 mm).

Exceptions: 1 - The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor.

309.4 Operation - Operable parts shall be operable with one hand and shall not require tight grasping, pinching or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds (22.2 N) maximum.

308.3.2* Exceptions: 1	SQ Washer	ADAAG Compliant
Height 34" (864 mm) Obstruction	**36" (915 mm)**	Yes
Depth of Obstruction Max is 24" (610 mm)	**24" (610 mm)**	Yes

ESTABLISHING A COMMON LAUNDRY ROOM

WHERE CAN COMMON LAUNDRY ROOMS BE ESTABLISHED?

Multi-housing residences in either low- or high-rise apartment complexes, residence halls, condominiums, college residence halls, guest services, and military housing,.

WHY VENDED EQUIPMENT?

The high cost of operating multi-housing residential facilities makes the Common laundry area particularly attractive. Depending upon the arrangement made with a **Laundry Service Provider (LSP)** — commonly called a route operator which supplies equipment — the cost of operating a laundry can usually be completely offset and under certain arrangements with the route operator, return a portion of income obtained from laundry equipment to an owner or manager of the housing facility.

WHO INSTALLS AND MAINTAINS THE EQUIPMENT?

Building management can retain the services of a Speed Queen LSP. In this arrangement the LSP provides, installs and maintains equipment in the facility at his/her expense. Lease-purchase arrangements are also available through the LSP.

WHERE TO FIND A LSP?

Contact a Speed Queen LSP nearest you by using our website locator at http://www.speedqueen.com/route or call 1-800-345-5649 for information.

GENERAL ROOM INFORMATION

1. Determine the size of laundry room by allowing a minimum of 25 square feet (2.25 m²) per machine.
2. At least one floor drain should be provided in each laundry.
3. Washtubs not required. However, if they are installed, provide adequate space for them. Such space shall be in addition to that recommended for each machine.
4. Locate dryers on outside walls, since long ducts increase installation cost and are less effective for proper drying.
5. For proper operation, it is important to locate the dryer in an area that has an ample amount of make-up air to replace the amount exhausted by dryer. Energy efficient multi-housing facilities with low air infiltration rates should be equipped with an air exchanger that can accommodate on-demand make-up air. These devices can be obtained through your building contractor or building material suppliers.
6. For large tumblers the make-up air must be brought into the room to replace air being exhausted. Tumblers require fresh outside make-up air.

   Minimum requirement:
   Single Tumblers – 144 sq. in. opening to outside.
   Stack Tumblers – 288 sq. in. opening to outside.
   Single Load Dryer - 40 sq. in. per pocket.
7. Provide sufficient lighting, preferably fluorescent.

ESTABLISHING A COMMON LAUNDRY ROOM

WHAT ABOUT ENERGY CONSUMPTION?

Speed Queen equipment has been designed and engineered for energy conservation. All Speed Queen front load washers have qualified for the ENERGY STAR® rating by exceeding the U.S. Department of Energy standards for commercial washers energy and water usage.

Our heavy-duty commercial washers are available in vertical (top loading) and horizontal axis (front load) Horizon® models. These washers have special energy settings which lower water consumption and reduce hot water costs. Our washers are designed with industry-leading high-speed extracts of 710 and 1,000 RPM on top and front load washers, respectively. This maximizes moisture removal for faster drying and less expense to the property owner.

Speed Queen single load and stack dryers are efficient in fast drying and low energy consumption.

Check with a Speed Queen LSP to find out if your utility consumption is as low as it can be. They can perform a **Utility Cost Calculator** analysis for you.

HOW MUCH EQUIPMENT?

In planning and designing a laundry facility for multi-housing use, it is important to keep in mind characteristics of people who will occupy the building.

The type of multi-housing building will dictate whether the laundry equipment should be concentrated into one centralized area or smaller rooms spread throughout the property. It is important that room(s) are planned with proper utilities for electric and gas hook-ups, water supply and drainage, as well as proper make-up air and dryer ventilation.

EQUIPMENT SIZING RECOMMENDATION

One dryer for each single load (top or front load) washer is the recommended product balance. One stacked dryer, or one 25 lb RouteMaster™ tumbler will accommodate two top or front load washers. A 30 lb stack tumbler will accommodate four top or front load washers.

TOP AND FRONT LOAD WASHER ENERGY USAGE

	Quantum™ Control High Efficiency Front Load Washer	Micro Display Control Top Load Washer	Coin Slide Control Top Load Washer	Quantum™ Control High Efficiency Extra-Large Top Load Washer
Modified Energy Factor (MEF) liters/kWh/cycle	2.46 (69.8)	1.50 (42.48)	1.26 (35.68)	1.34 (37.95)
Water Factor (WF) liters/liter/cycle	3.83 (0.51)	8.8 (1.18)	9.5 (1.27)	9.4 (1.26)
Water Consumption gal (liters per cycle)	10.9 (41.3)	23.7 (89.7)	26.1 (98.8)	29.7 (112.4)

ACTIVATION METHODS

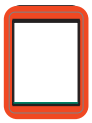
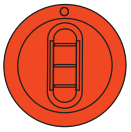
PREP FOR CARD
("Y")

PREP FOR COIN
("X")

COIN
("C")

CONTROL LEGEND

QUANTUM	
MICRO DISPLAY	
COIN SLIDE	

MANUAL PUSH-TO-START	
COMMERCIAL HOMESTYLE	
CARD OPERATED OR PREP FOR CARD	

EQUIPMENT SIZING RATIOS

EQUIPMENT GUIDELINES

ONE WASHER/DRYER SET IS RECOMMENDED FOR THE FOLLOWING:

Property Type	Number of Living Units
High-rise building	20 to 25 living units
Low-rise or garden building	8 to 12 living units
Co-ops, condominiums	8 to 12 living units
Senior citizen centers	50 residents
Military housing	20 military personnel
College residence halls	30 to 40 students
Guest services	50 rooms
In-apartment	1 set per unit

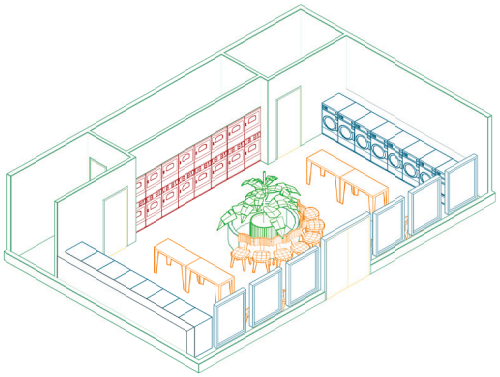
EQUIPMENT GUIDELINES

Property Demographics*	Washers and Dryers (W/D Per Using Unit
Families	1 pair w/d per 8 to 12 units
Young working adults	1 pair w/d per 10 to 15 units
Older working adults	1 pair w/d per 10 to 20 units
Students	1 pair w/d per 25 to 40 units
Senior citizens	1 pair w/d per 25 to 40 units

Determine the number of machines your laundry area needs by adding all units without an in-unit washer/dryer and divide in half the units with in-unit laundry connections. These figures are based on the predominant resident profile. Adjust according to your particular profile mix.

+Multi-Family Executive

COMMON LAUNDRY ROOM SOLUTIONS



With over 200 models to choose from, Speed Queen has many options for your laundry room needs. Contact your LSP today for details.

ON-FLOOR LAUNDRY ROOMS

(LOW-RISE OR GARDEN-STYLE BUILDINGS)

For garden apartments, matching washer and dryer pairs are the most customer convenient layout. **One washer and one dryer is recommended for every 8 to 12 apartment units.**

CENTRALIZED LAUNDRY ROOMS

(HIGH-RISE BUILDINGS WITH APARTMENTS, CONDOS, CO-OPS)

The equipment can be concentrated in a convenient central area located in the building. The larger space requirement can expand the services to residents with variable sized washer-extractors with bigger load capacities, expanded vending concessions, folding tables and comfortable waiting areas similar to on-street coin laundries. **For high-rise buildings with a central laundry room, one washer and dryer set is recommended for every 20 living units.**

DE-CENTRALIZED LAUNDRY ROOMS

(HIGH-RISE OR LOW-RISE BUILDINGS FOR APARTMENTS, CONDOS, CO-OPS)

De-centralized laundry rooms reside in one or more locations within the property or building. Rooms generally are equipped with matching washers and dryers. Usually these establishments are amenity oriented, offering folding tables and vending machines for resident convenience. **One washer and one dryer is recommended for every 8 to 12 living units.**

COLLEGE RESIDENCE HALLS

Centralized laundry rooms are conveniently located in residence halls with top or front load washers and matching dryers. **For student residence halls, one washer and one dryer is recommended for every 30 to 40 students.**

GUEST SERVICES

(HOTELS, MOTELS, CAMPGROUNDS, MARINAS, TRUCK STOPS)

Many times these facilities will offer a laundry room amenity for guests. **Equipment can vary depending on the size of the property including one washer and one dryer per 20 rooms or spaces.**

MILITARY HOUSING

Centralized laundry rooms with commercial ENERGY STAR® qualified top or front load washers and matching dryers for military personnel. Non-metered (free start) equipment is usually required by military. **One washer and one dryer pocket is recommended for every 20 military personnel.**

COMMON LAUNDRY ROOM SOLUTIONS

WashAlert™
with Service Alert

BENEFITS TO PROPERTY OWNERS

- Website notification technology of machine availability for resident laundry rooms.
- Quicker service time of problem machines means less down time.
- Manage peak times for more efficient product usage.
- Improve customer flow by reducing laundry sitting in machines for long periods.
- Remote start.
- Real time information.
- System runs independently from card system if Wash Alert system™ fails card system works.

BENEFITS TO APARTMENT OR COLLEGE RESIDENT

- Notification of machine availability.
- Email to let you know cycle is completed.
- Real time information with estimated remaining times.

BENEFITS TO ROUTE OPERATOR

- Less set up costs.
- Faster installation.
- Identify fault codes before serviceman dispatch.
- Remote auditing.
- Remote programming that comes with networking.
- Remote price change capability.

LAUNDRY ROOM EQUIPMENT RECOMMENDATIONS

The following pages present our suggestions for the product types and amount of Speed Queen equipment required for sizing multi-housing properties. Specific situations demand the expertise of a qualified LSP so the proper equipment in the proper mix is provided for resident convenience. Please refer to the appropriate installation manual for requirements on each model.

TOP AND FRONT LOAD WASHER

ELECTRICAL REQUIREMENTS

1. Each washer is designed to be operated on an individual three-wire grounded, 120 volt, 60 Hz electrical circuit protected by a 15 or 20 amp fuse, equivalent fusetron or circuit breaker. No. 12 wire recommended for electrical connection or as required by local codes.
2. All receptacles shall be equipped for a three-prong grounded plug.

PLUMBING REQUIREMENTS

1. Water supply faucets must fit standard 3/4" (19.1 mm) female hose couplings.
2. Hot water facilities should have the capability of maintaining a constant water temperature of between 120º-125ºF.
3. Maintain cold water temperature at not less than 35ºF (1.6ºC).
4. Washer will operate under a variety of sufficient water pressure conditions; however, a minimum water pressure of 20 psi and a maximum of 120 psi must be maintained not to exceed 120 psi.
5. Drain each washer into a minimum 2" (50.8 mm) diameter by 3' (914.4 mm) tall cast iron, PVC or copper standpipe.

SINGLE AND STACK DRYER

(GAS AND ELECTRIC MODELS)

ELECTRICAL REQUIREMENTS	
Electric and Stack Dryer	60 Hz. 5350 watt element, 120/240V or 4750 watt element, 120/208V, 3-wire, 1 phase, 30 amp.
Gas and Stack Dryer	60 Hz. AC, 120V, grounded 3-wire, 1 phase, 15 amp.

1. Electric Models - Provide separate circuits from the main panel to each dryer. Each dryer has its own terminal block that must be connected to a separate branch three-wire, 120/240 or 120/208 volt, 60 Hz, single phase circuit using at least No. 10 copper wire and fused at 30 amps; a grounded neutral wire must be provided. Do not connect dryers to 110, 115 or 120 volt circuits. (**NOTE:** In the U.S.A. Power cords must be obtained locally.
2. Electric Models - If branch circuit to electric dryers is 15 ft. (4572 mm) or less in length, use UL approved No. 10 copper wire, or as required by local codes. If over 15 ft. (4572 mm), use No. 8 UL approved copper wire, or as required by local codes.
3. Gas Models - Each gas dryer is designed to be operated on an individual three-wire grounded 120 volt, 60 Hz. electrical circuit protected by a 15 amp fuse, equivalent fusetron or circuit breaker. (See specifications)
4. Gas Models - Plug each dryer's power cord into a grounded 3-slot wall receptacle on a separate circuit. Do not operate other appliances on same circuit when dryer is operating.
5. Electric and Gas Models - All dryer installations should conform to the latest edition of the National Electrical Code, NFPA 70, and such local requirements as might apply.

GAS REQUIREMENTS *(see figure 1 below)*

1. The gas dryer installation must conform with the latest edition of American National Standard Z223.1 (NFPA 54) National Fuel Gas Code.
2. Size of main gas supply unit will depend on number of dryer units connected. Consult local gas utility.
3. Where bottled gas (L.P.) is used, follow the specifications of the local gas company. A special conversion kit for L.P. is required. Consult your LSP for details.

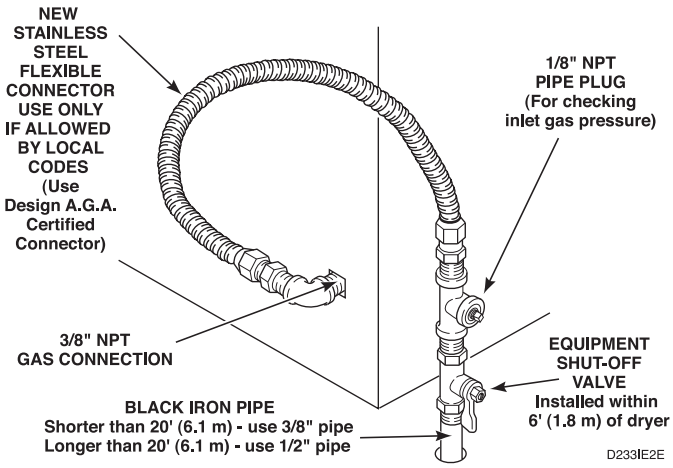
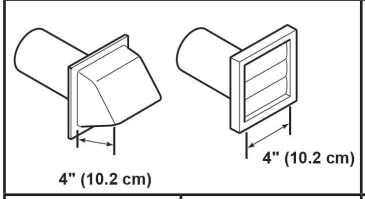


Figure 1

VENTING REQUIREMENTS FOR SINGLE AND MULTI-DRYER INSTALLATIONS

1. The gas dryer installation should comply with the latest edition of the National Fuel Gas Code, Z223.1 (NFPA 54).
2. A 4" (102 mm) vent hood with a damper (for each dryer) should be placed in wall behind the dryer while the building is under construction. *(see figure 2)*

WEATHER HOOD TYPE (Recommended)



Number of 90° Elbows	Maximum Length	Number of 90° Elbows	Maximum Length
0	65 ft (19.8 m)	0	55 ft (16.8 m)
1	55 ft (16.8 m)	1	47 ft (14.3 m)
2	47 ft (14.3 m)	2	41 ft (12.5 m)
3	36 ft (11.0 m)	3	30 ft (9.1 m)
4	28 ft (8.5 m)	4	22 ft (6.7 m)

Figure 2

3. Exhaust pipe must be 4" (102 mm) in diameter having no obstructions. Rigid or flexible metal pipe must be used. **DO NOT use flexible plastic or thin foil ducting** as it will greatly reduce the dryer's performance. Outer end of exhaust pipe must have weather hood installed at least 12" (305 mm) above ground. Always keep exhaust duct as short as possible.
4. Gas dryers can be vented from the right side, back, or bottom (except upper unit of stack dryer). Dryer can be installed flush to wall at side and back. Electric dryers can be routed from left side as well.

5. The exhaust duct should not be built into the wall. If laundries are distributed in multi-story buildings, duct size at the first floor should be at least 4" (102 mm) and should be increased in size 1" (25.4 mm) per floor to a maximum of 12" (305 mm).

   For the installation of several dryers where a main collector duct is used, see illustration for proper angle of airflow. Dryer exhaust duct should enter main duct at an angle of no more than 30° pointing in the direction of the airflow. Ducts entering main duct from opposite sides should be staggered so as not to oppose each other. Provisions should be made for periodic lint removal and cleaning of main collector duct. *(see figure 3)*

6. If several dryers are exhausted into a main collector duct, it is essential that ductwork be adequate in size and properly constructed for efficient operation. Provisions for make-up air must be provided. Each dryer exhausts approximately 220 cubic feet* (6.1 m³) of air per minute.

* Measured at point of exit from the dryer. GENERAL ROOM INFORMATION

7. The main collector duct should be sized according to specifications presented in "Duct Station" chart. The outside of main duct should have a weather hood (with hinged damper) installed to prevent passage of weather elements, insects, dust and dirt into dryer.

8. Each dryer should have a back draft damper kit, **part number 58786**.

DUCT STATION	MINIMUM DIAMETER OF COLLECTOR DUCT
A	4 inches (102 mm)
B	8 inches (203 mm)
C	9 inches (229 mm)
D	10 inches (254 mm)
E	11 inches (279 mm)
F	12 inches (305 mm)
G	13 inches (330 mm)
H	14 inches (356 mm)
I	15 inches (381 mm)
J	15 inches (381 mm)
K	16 inches (406 mm)

NOTE: Main collector ducts should be equipped with an auxiliary fan that can maintain the duct airflow at a minimum of 1,200 ft (366 m) per min. If you do not have a fan, clean the main collector duct at least twice a year.

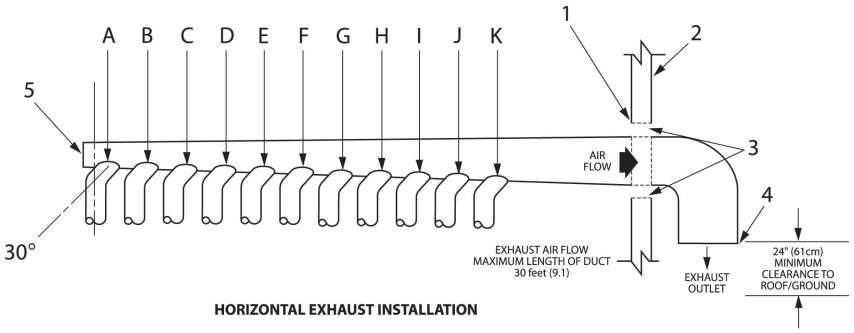


Figure 3

25, 30, 35 LB SINGLE TUMBLER

ELECTRICAL REQUIREMENTS	
Electric and Stack Dryer	60 Hz. 5350 watt element, 120/240V or 4750 watt element, 120/208V, 3-wire, 1 phase, 30 amp.
Gas and Stack Dryer	60 Hz. AC, 120V, grounded 3-wire, 1 phase, 15 amp.

1. Provide separate circuits from the main panel to each tumbler. The 120 volt, 60 hertz, single phase units require an individual three-wire, grounded, 120 volt, 60 Hz electrical circuit protected by a 15 amp fusetron or circuit breaker. The 208 volt or 240 volt, 60 Hz, single phase units require a three-wire plus ground circuit (two hot leads, a neutral and a ground). Each circuit must be protected with a two-pole, 10 amp circuit breaker.
2. All tumbler units must be grounded in accordance with latest edition of the National Electrical Code, NFPA 70, and local codes and ordinances.

GAS REQUIREMENTS

1. Install a 1-1/2" (38.1 mm) main gas line for the laundry room for up to 10 tumblers.
2. Install a 1/2" (12.7 mm) gas line on the wall for connection to back of dryer. Terminate it with a 1/2" (12.7 mm) T, 6" (152.4 mm) drip leg and 1/2" (12.7 mm) gas cock.

VENTING REQUIREMENTS

1. Locate where least exhaust piping and elbows will be required. Use sweep elbows. The exhaust should be directed upward.
2. All duct work must be adequate in size. *(see figure 4)*.
3. Provide cleanout and inspection doors in duct. All electrical and plumbing
4. installations must conform to local and national codes.

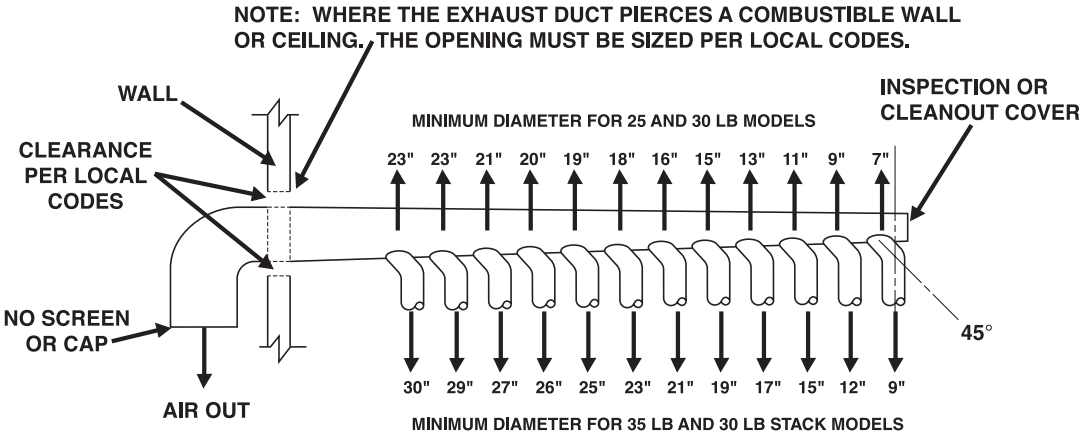


Figure 4

LAUNDRY ROOM EQUIPMENT RECOMMENDATIONS

30, 45 LB STACK TUMBLER

ELECTRICAL REQUIREMENTS	
30, 45 lb Single Tumbler	60 Hz. 120V, 1 ph, 12.0 amp, 2-wire grounded circuit (L1, N, G). Requires 15 amp one-pole protection. N/A on 45# model. 60 Hz. 208-240V, 1 ph, 6.7 amp, 3-wire grounded circuit (L1, N, L2, G). Requires 10 amp two-pole protection.
30, 45 lb Stack Tumbler	See above.

1. Provide separate circuits from the main panel to each tumbler. There is only **ONE** electrical connection to the stacked tumbler upper pocket junction box. The 120 volt, 60 hertz, single phase units require an individual three-wire, grounded, 120 volt, electrical circuit protected by a 30 amp fusetron or circuit breaker. The 208 volt or 240 volt, 60 hertz, single phase units require a three-wire plus ground circuit (two hot leads, a neutral and a ground). Each circuit must be protected with a two pole, 20 amp circuit breaker.
2. All stack tumbler units must be grounded in accordance with latest edition of the National Electrical Code, NFPA 70, and local codes and ordinances.
3. Note: On stack tumbler models, power is connected to ONLY the upper electrical connection box. NEVER connect both upper and lower dryers to individual circuits.

GAS REQUIREMENTS

1. Install a 1-1/2" (38.1 mm) main gas line for the laundry room for up to 10 tumblers.
2. Install a 3/4" (19.05 mm) gas line on the wall for connection to the back of the dryer. Terminate it with a 3/4" (19.05 mm) T, 6" (152.4 mm) drip leg and 3/4" (12.7 mm) gas cock.

VENTING REQUIREMENTS

1. Locate where least exhaust piping and elbows will be required. Use sweep elbows. The exhaust should be directed upward.
2. All duct work must be adequate in size. *(see figure 4)*
3. Provide cleanout and inspection doors in duct. All electrical and plumbing installations must conform to local and national codes.

20, 30, 40 LB WASHER EXTRACTOR

ELECTRICAL REQUIREMENTS	
20 lb	60 Hz. 120V, 1 ph, 16 amp, 2-wire grounded circuit. 60 Hz. 208-240V, 1 ph, 8 amp, 2-wire grounded circuit. 60 Hz. 208-240V, 3 ph, 5 amp, 3-wire grounded circuit. 60 hz. 440-480V, 3 ph, 4 amp, 3-wire grounded circuit.
30 lb	60 Hz. 208-240V, 1 ph, 10 amp, 2-wire grounded circuit. 60 Hz. 208-240V, 3 ph, 7 amp, 3-wire grounded circuit. 60 Hz. 440-480V, 3 ph, 4 amp, 3-wire grounded circuit.
30 lb	60 Hz. 208-240V, 1 ph, 14 amp, 2-wire grounded circuit. 60 Hz. 208-240V, 3 ph, 7 amp, 3-wire grounded circuit. 60 Hz. 440-480V, 3 ph, 5 amp, 3-wire grounded circuit.

Provide separate circuits from the main panel to each washer extractor.

Electrical connections are made at the rear of machine. The machine must be connected to the proper electrical supply shown on identification plate attached to rear of machine, using copper conductors only.

Refer to installation instructions for further important information. (Ex: F208301).

MACHINE FOUNDATION

NOTE: Do not mount on wooden or tile floors, above ground level, or over basements or crawl spaces because of the high extract speed and G-forces exerted.

See page 23 and 24 in *Installation Instruction* manual. (Ex: F8208301).

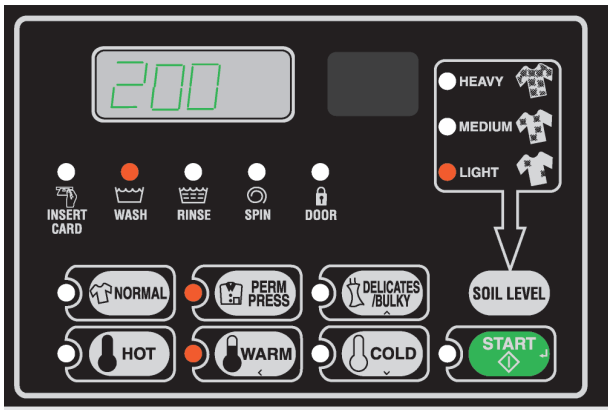
DRAIN CONNECTION

See page 41 in *Installation Instruction* manual. (Ex: F8208301).

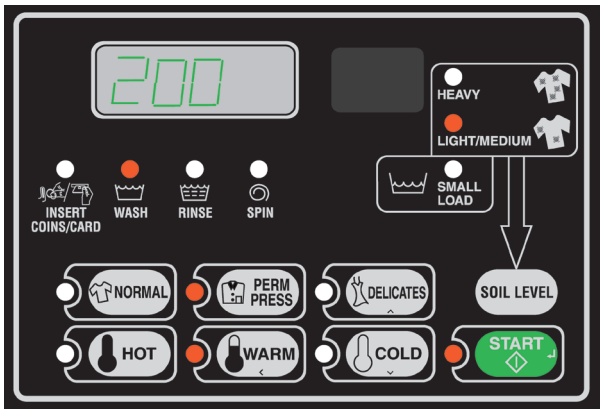
WATER CONNECTION

See page 43 in *Installation Instruction* manual. (Ex: F8208301).

PRODUCT OPTION: QUANTUM™ CONTROL



FRONT LOAD WASHER



TOP LOAD WASHER

Speed Queen's Quantum model line incorporates numerous options and customer convenience features that make washing and drying laundry loads a breeze. The Quantum Control has features such as:

DIGITAL PRICE DISPLAY

Informs customers of the amount of money required to operate equipment, then counts down price as quarters are inserted.

TOUCH PAD

These selectors offer a tremendous range of options. An LED with a sound annunciator signals to user that their selection has been made. The user then pushes the green start pad after inserting card or proper amount of coins.

CYCLE COUNTDOWN

Visually displays total length of cycle, then counts down cycle time on washer and dryer.

LED INDICATORS

Bright, easy-to-read LED's take customers step-by-step through each phase of wash or dry cycle.

DROP COIN VALIDATOR

Drop coin validator automatically verifies magnetic content, coin size and weight, and records time, date and total amount collected into memory for future data retrieval.

Speed Queen's card-ready model line offers convenient cashless operation with several methods for activation. Individual card, debit card and credit card. Contact LSP for additional details.

SIMPLIFIED INSTALLATION

Card ready washers and dryers can be installed by Speed Queen route operators quickly and easily, so you can enjoy the benefits of card-operated equipment in no time.

REMAINING BALANCE DISPLAY

Besides the ease and flexibility of installation, the card ready model line features a Quantum Control that informs customers on everything they need to know about machine status at a glance. Residents can check at any time their remaining card balance without starting machine. This helps speed up machine turnover. When used in conjunction with the Quantum system, you can retrieve information on machine usage to increase efficiencies in managing your laundry room.

Factory installed acceptor for card-ready models for interfacing with other equipment manufacturers' card reader systems for cashless operation.

QUANTUM FRONT LOAD REAR CONTROL WASHER

PRODUCT OPTION: MICRO DISPLAY CONTROL

FRONT LOAD WASHER

TOP LOAD WASHER

Speed Queen's Micro-Display Control (MDC) is a streamlined version of Quantum. It offers the features most important to residents with less programming options. The MDC has features such as:

Coin countdown start, which informs customers of the amount of money required to operate equipment, then counts down price as quarters or card are inserted. Once the machine has started, the display counts down remaining cycle time.

Bright, easy-to-read LEDs take customers step-by-step through each phase of the wash or dry cycle.

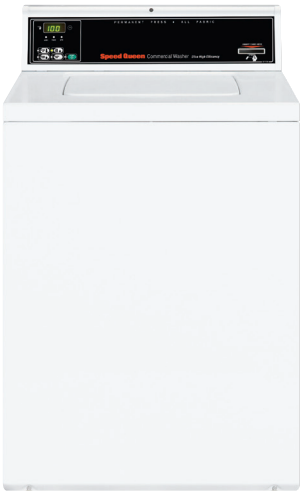
TOUCH PAD

Touch pad selector has convenient touch pads for accurate selection of cycles and a dedicated push-to-start pad to initiate wash cycle.

SOUND INDICATOR

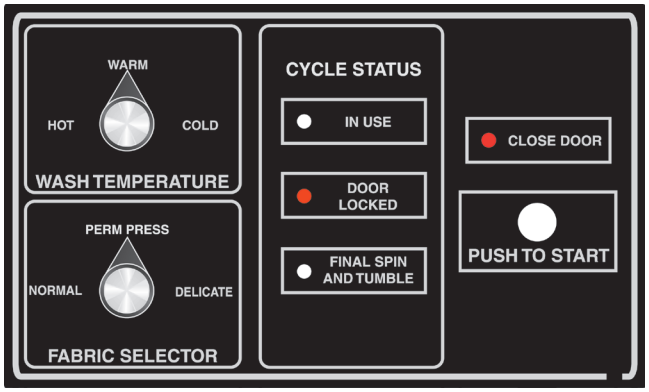
Audible sound indicator and LEDs indicate when a change has been made, keeping customers aware of cycle status and coin validation.

Speed Queen's card-ready model line offers convenient cashless operation with several methods for activation. Individual card, debit card and credit card. Contact LSP for additional details.

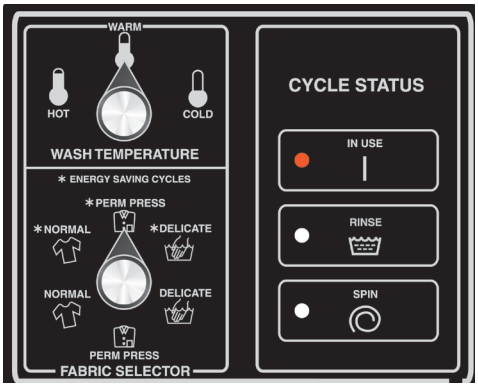


MICRO DISPLAY
TOP LOAD WASHER

PRODUCT OPTION: COIN SLIDE CONTROL



FRONT LOAD WASHER



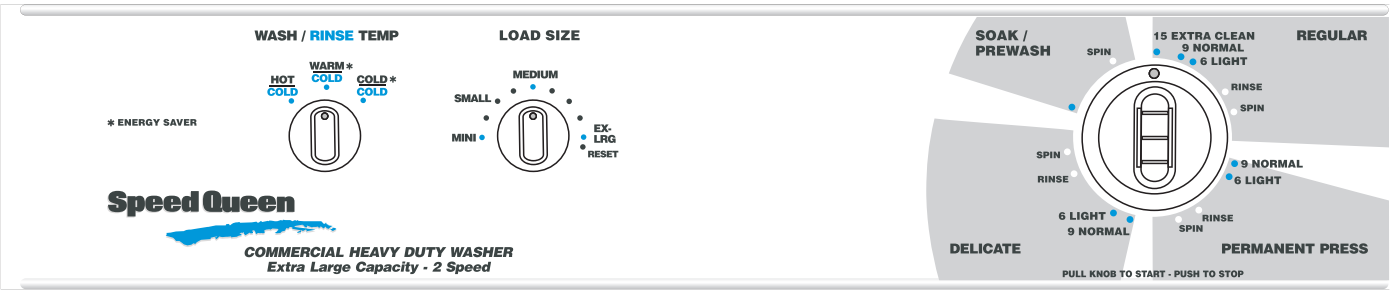
TOP LOAD WASHER

Speed Queen offers the most complete range of coin slide-operated laundry models of top load and front load washers, single and stack dryers for simplified coin-operated common laundry rooms.

With features such as water and energy efficient designs, quality internal components and high security systems, multi-housing owners can depend on Speed Queen equipment to give them the advantage on such issues as energy savings, dependable performance and protection against vandalism.

COIN SLIDE
TOP LOAD WASHER

PRODUCT OPTION: NON-VEND CONTROL



COMMERCIAL HOMESTYLE TOP LOAD WASHER CONTROL PANEL

PUSH-TO-START SINGLE LOAD DRYER CONTROL PANEL

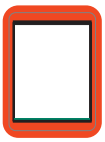
MANUAL CONTROL START

Speed Queen's commercial quality and expertise is present in these non-vended manual control model washers and dryers.

Convenient features such as three wash/rinse temperatures, six drying cycles, three fabric types, and selectable water fill level give the user exceptional choices for receiving the best laundering possible in military and government common area facilities.

HOMESTYLE FRONT LOAD REAR CONTROL WASHER

PUSH-TO-START



These electromechanical machines have the following features:

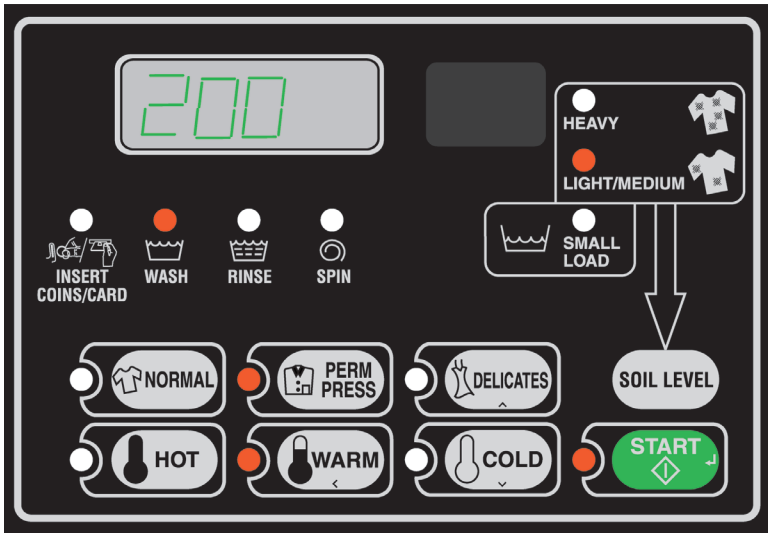
Push-to-start switch.

Six water and cycle selections.

Customize your laundry room to fit the needs of military and correctional facilities, to name a few locations where product can be utilized.

PUSH-TO-START TOP LOAD WASHER

DIMENSIONS: TOP LOAD WASHER



QUANTUM TOP LOAD WASHER CONTROL PANEL

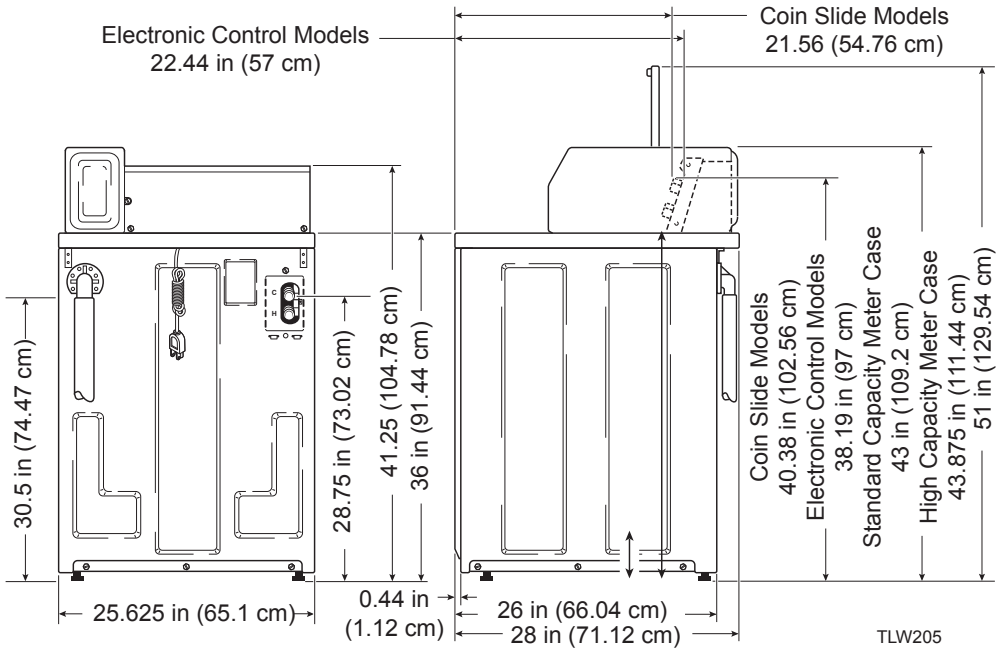
QUANTUM TOP LOAD WASHER

Washer has 3/4" (1.87 cm) connection for water mixing valve. Two water inlet hoses supplied with washer.

Drain hose is 5' (150 cm) long. 1" (2.5 cm) inside diameter.

Power cord has three-prong U.L. approved plug for connection to a grounded three-wire, 120 volt, 60 Hz electrical circuit. 15 to 20 amp. Use at least No. 12 wire, heavier for long distances.

Dimensions are with leveling legs. Stand pipe should be 36" high.



DIMENSIONS: FRONT LOAD WASHER

FRONT CONTROL

QUANTUM FRONT LOAD FRONT CONTROL WASHER PANEL

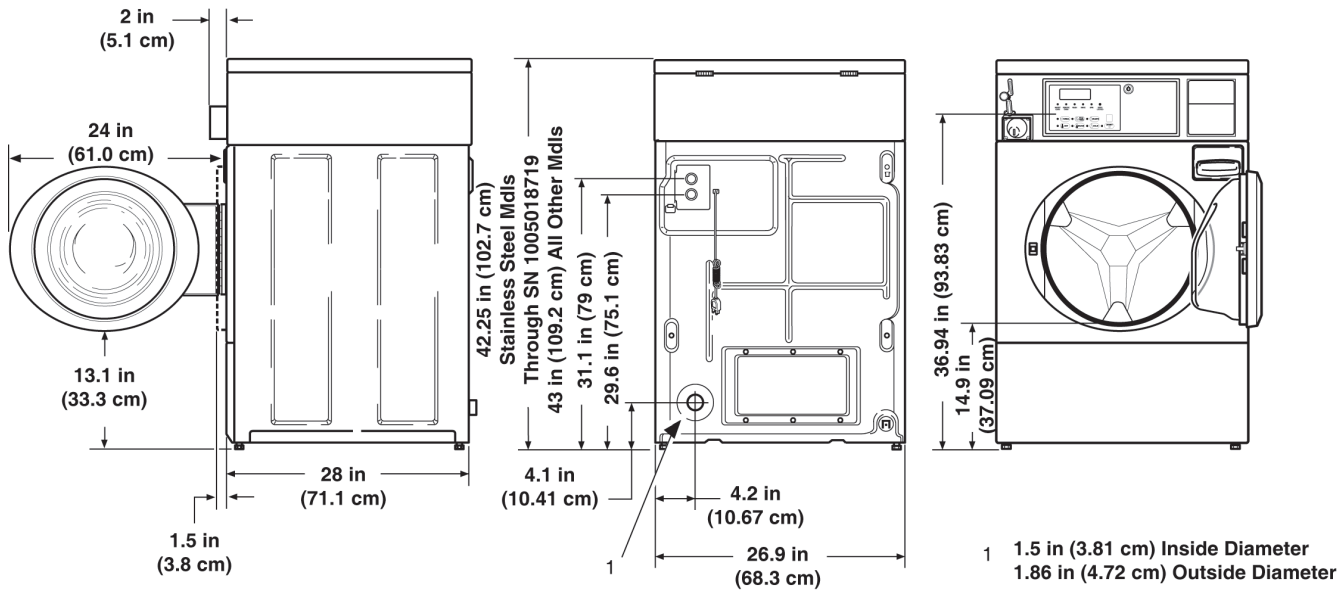
QUANTUM FRONT LOAD WASHER

Washer has 3/4" (1.87 cm) connection for water mixing valve. Two water inlet hoses supplied with washer.

Drain hose is 4' (122 cm) long. 1" (2.5 cm) inside diameter.

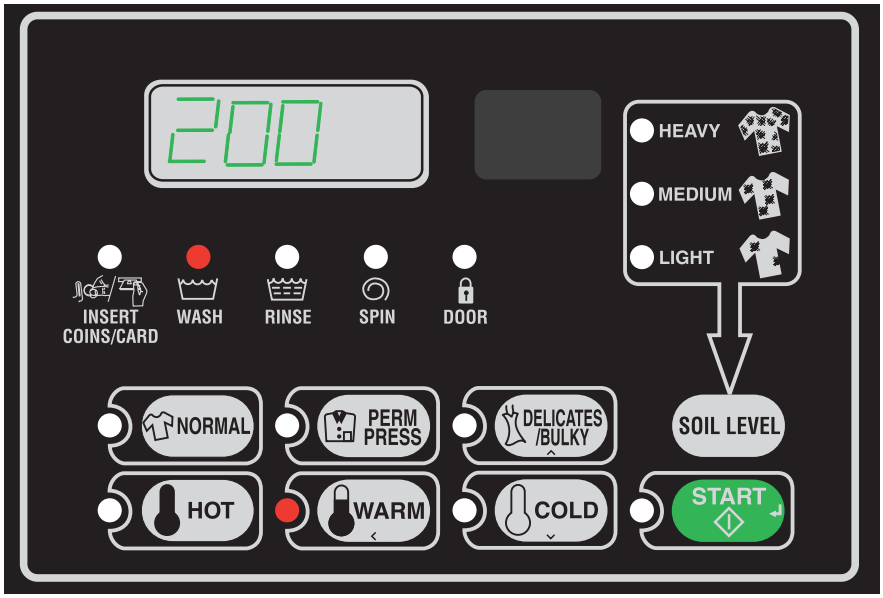
Power cord has three-prong U.L. approved plug for connection to a grounded three-wire, 120 volt, 60 Hz electrical circuit. 15 to 20 amp. Use at least No. 12 wire, heavier for long distances.

Dimensions are with leveling legs. Stand pipe should be 36" high.



DIMENSIONS: FRONT LOAD WASHER

REAR CONTROL



QUANTUM FRONT LOAD REAR CONTROL WASHER PANEL

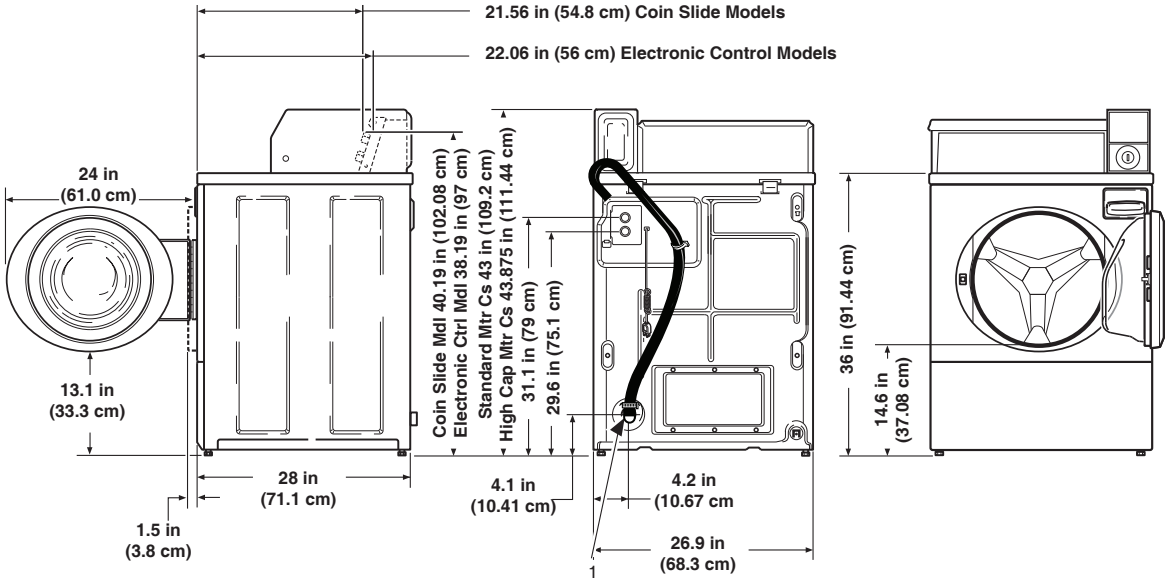
QUANTUM FRONT LOAD WASHER

Washer has 3/4" (1.87 cm) connection for water mixing valve. Two water inlet hoses supplied with washer.

Drain hose is 4' (122 cm) long. 1" (2.5 cm) inside diameter.

Power cord has three-prong U.L. approved plug for connection to a grounded three-wire, 120 volt, 60 Hz electrical circuit. 15 to 20 amp. Use at least No. 12 wire, heavier for long distances.

Dimensions are with leveling legs. Stand pipe should be 36" high.



*With leveling legs turned into base

1 = 1.5 in (3.81 cm) Inside Diameter
1.86 in (4.72 cm) Outside Diameter

DIMENSIONS: SINGLE LOAD DRYER

REAR CONTROL

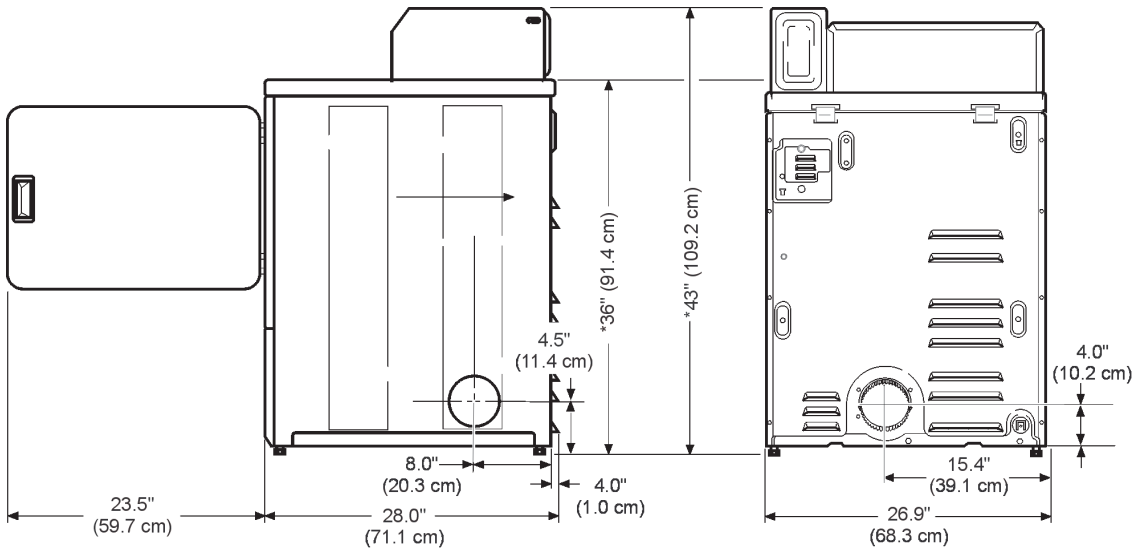
QUANTUM SINGLE LOAD REAR CONTROL DRYER PANEL

QUANTUM SINGLE LOAD DRYER

Gas dryers available for natural gas, L.P. gas kit available. L.P. Gas Conversion Kit must be installed by the Manufacturer's Authorized Dealers, Distributors, or local service personnel. Power cord is furnished (120/60/1) - 15 amp.

Electric dryer can be exhausted in any direction, vented out rear, either side or base. Gas models have 3-way venting: right side, back and base.

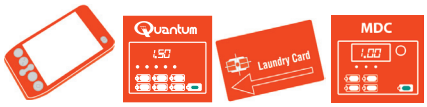
Electric dryer models do not have power cord furnished 120/240/60/1 - 30 amp or 120/208/60/1 - 30 amp.



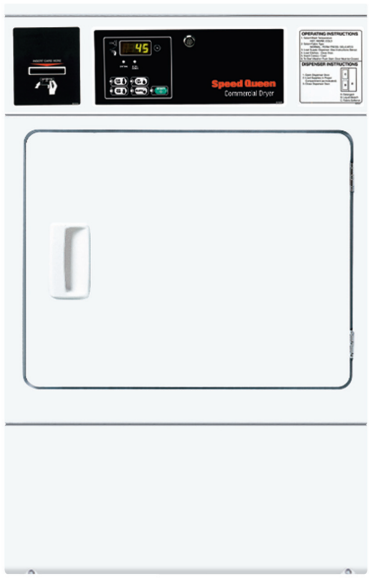
*WITH LEVELING LEGS TURNED INTO BASE.

DIMENSIONS: SINGLE LOAD DRYER

FRONT CONTROL



QUANTUM SINGLE LOAD FRONT CONTROL DRYER PANEL

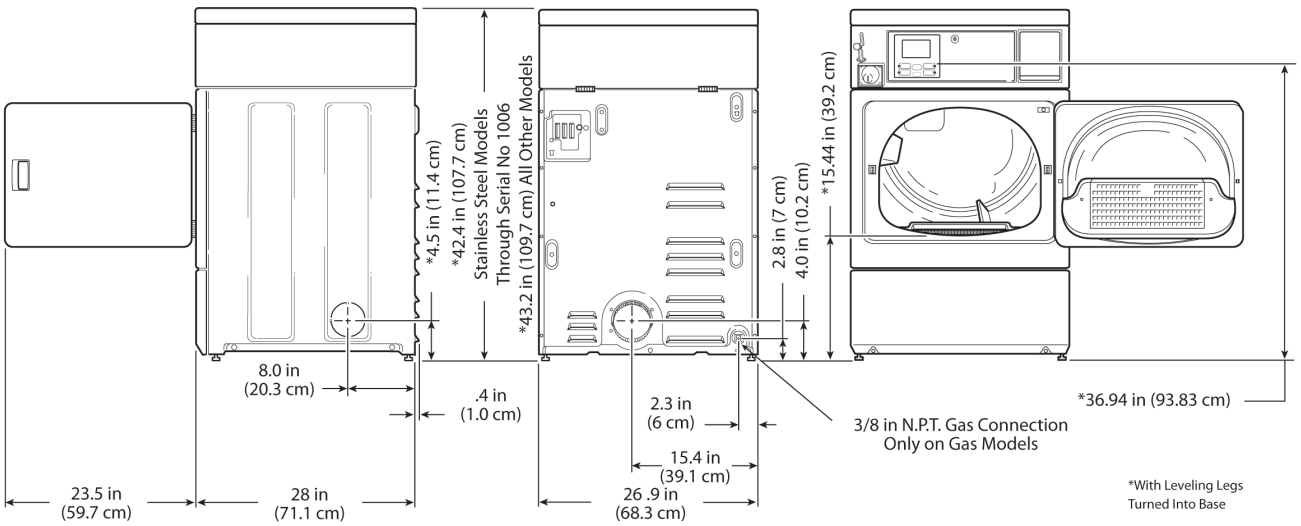


QUANTUM SINGLE LOAD DRYER

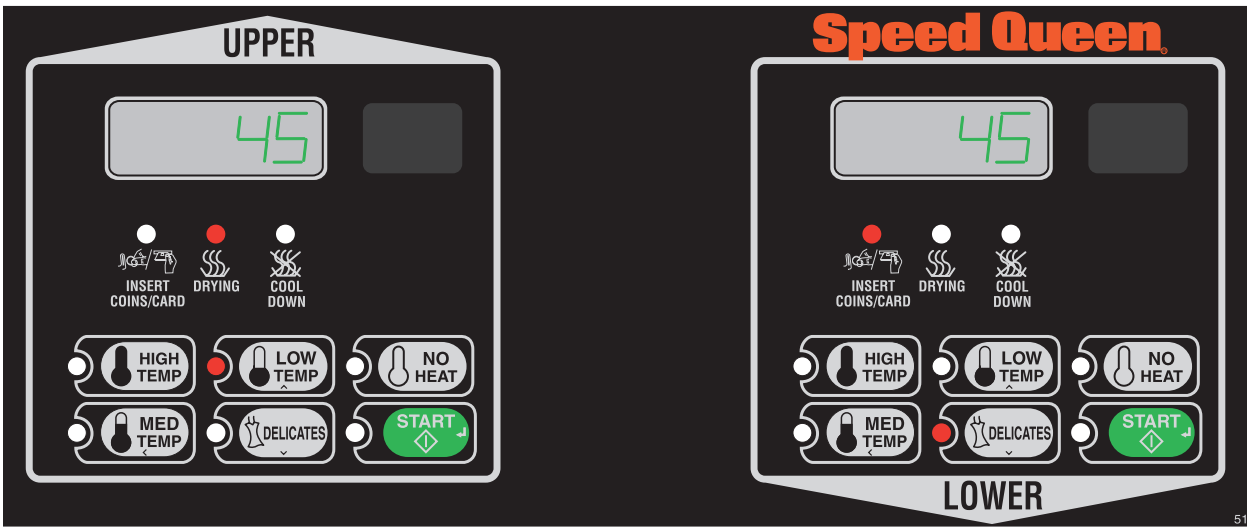
Gas dryers available for natural gas, L.P. gas kit available. L.P. Gas Conversion Kit must be installed by the Manufacturer's Authorized Dealers, Distributors, or local service personnel.

Electric dryer can be exhausted in any direction, vented out rear, either side or base. Gas models have 3-way venting: right side, back and base.

Electric dryer models do not have power cord furnished 120/240/60/1 - 30 amp or 120/208/60/1 - 30 amp.



DIMENSIONS: STACK DRYER



QUANTUM STACK DRYER CONTROL PANEL

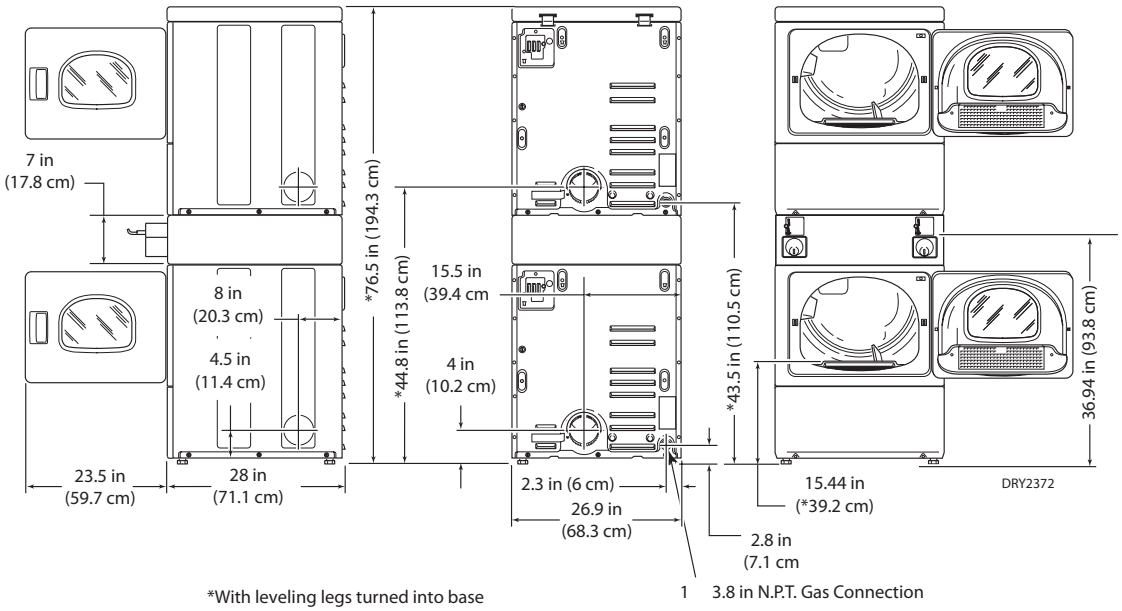
Gas Supply Connection: 3/8" (.937 cm) pipe provided at rear. Stacked dryer is delivered complete as one unit. Factory equipped for natural gas operation only. L.P. kits available.

L.P. Gas Conversion Kit must be installed by the Manufacturer's Authorized Dealers, Distributors, or local service personnel.

Electric dryer can be exhausted in any direction, vented out rear or either side. Gas models have 2-way venting - right side or back.

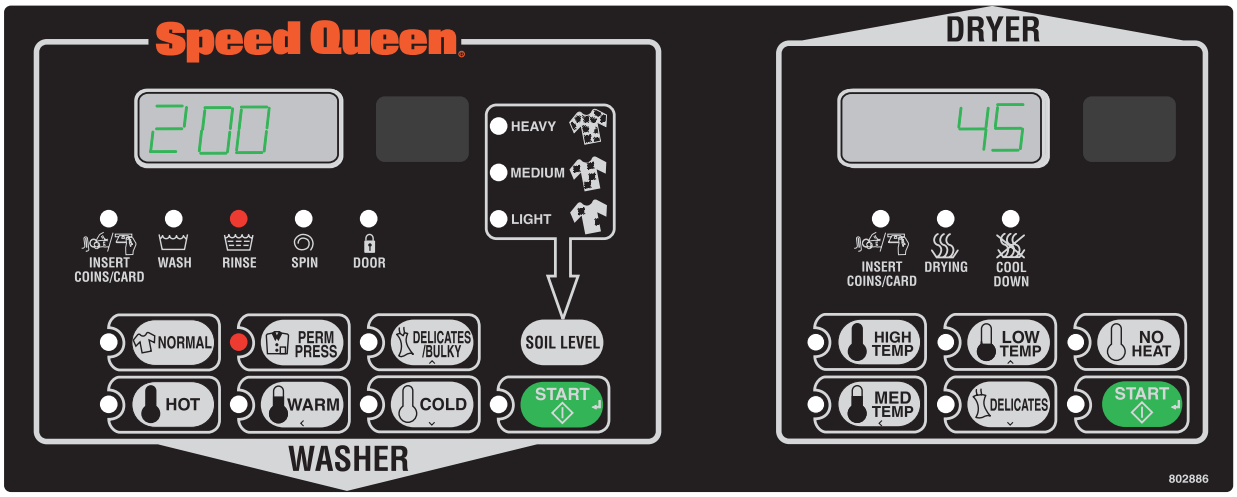
Electric dryer models do not have power cord furnished (2) 120/240/60/1 - 30 amp or (2) 120/208/60/1) - 30 amp.

Solid door or door with window available.



QUANTUM STACK DRYER

DIMENSIONS: STACK WASHER/DRYER



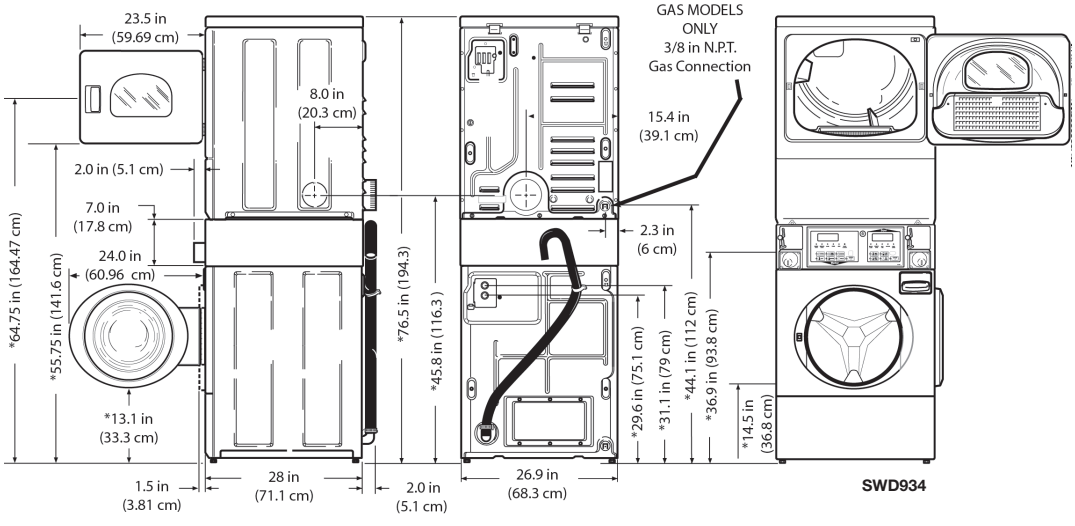
QUANTUM STACK WASHER/DRYER CONTROL PANEL

Gas Supply Connection: 3/8" (.937 cm) pipe provided at rear. Stacked dryer is delivered complete as one unit. Factory equipped for natural gas operation only. L.P. kits available.

L.P. Gas Conversion Kit must be installed by the Manufacturer's Authorized Dealers, Distributors, or local service personnel.

Electric dryer can be exhausted in any direction, vented out rear or either side. Gas models have 2-way venting - right side or back.

Electric dryer models do not have power cord furnished 120/240/60/1 - 30 amp or 120/208/60/1) - 30 amp.



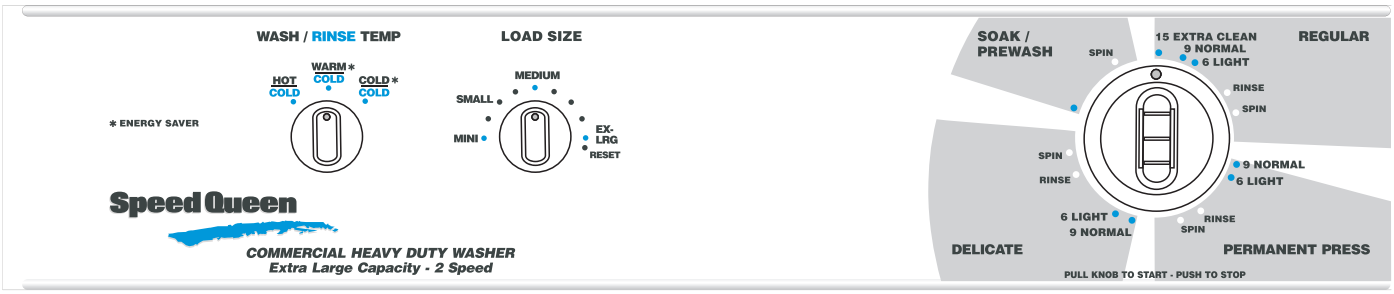
METERED MODELS

*with leveling legs turned into base

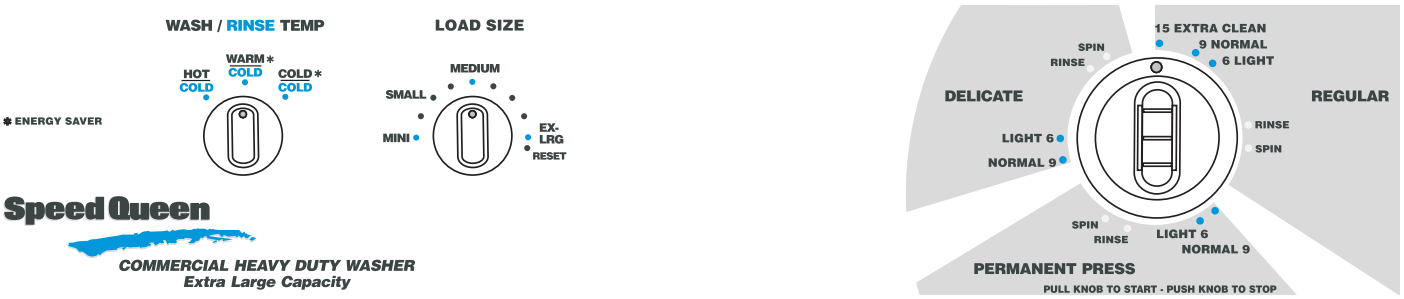
QUANTUM STACK WASHER/DRYER

DIMENSIONS: TOP LOAD WASHER

COMMERCIAL HOMESTYLE



COMMERCIAL HOMESTYLE TOP LOAD WASHER CONTROL PANEL - (2 SPEED)



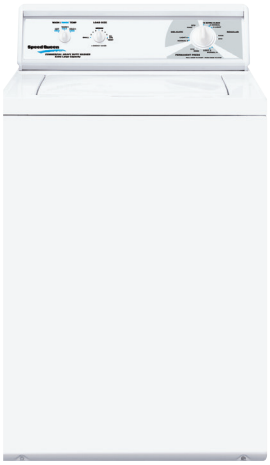
COMMERCIAL HOMESTYLE TOP LOAD WASHER CONTROL PANEL (1 SPEED)

Washer has 3/4" (1.87 cm) connection for water mixing valve. Two water inlet hoses supplied with washer.

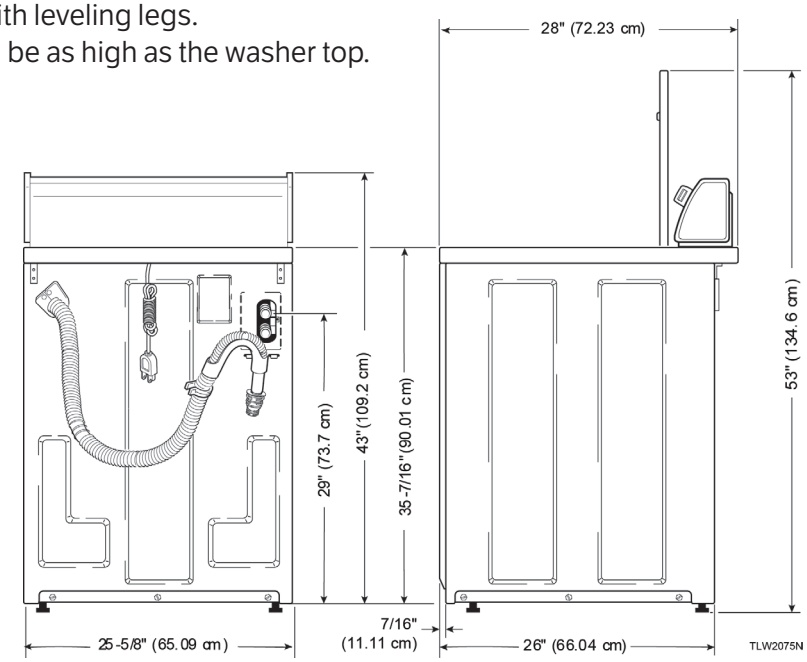
Drain hose is 5' (150 cm) long. One inch (2.5 cm) inside diameter.

Power cord has three-prong U.L. approved plug for connection to a grounded three-wire, 120 volt, 60 Hz electrical circuit. 15 to 20 amp. Use at least No. 12 wire, heavier for long distances.

Dimensions are with leveling legs.
Stand pipe should be as high as the washer top.

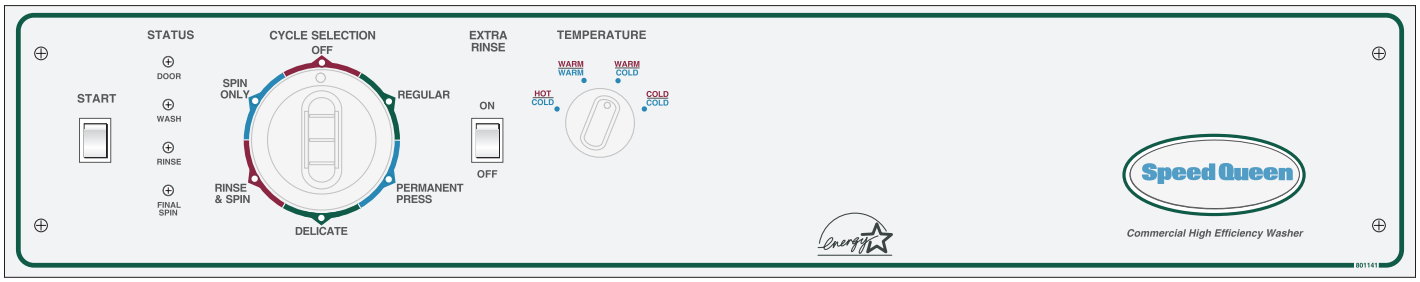


COMMERCIAL HOMESTYLE TOP LOAD WASHER



DIMENSIONS: FRONT LOAD WASHER

COMMERCIAL HOMESTYLE FRONT CONTROL



COMMERCIAL HOMESTYLE FRONT LOAD FRONT CONTROL WASHER PANEL

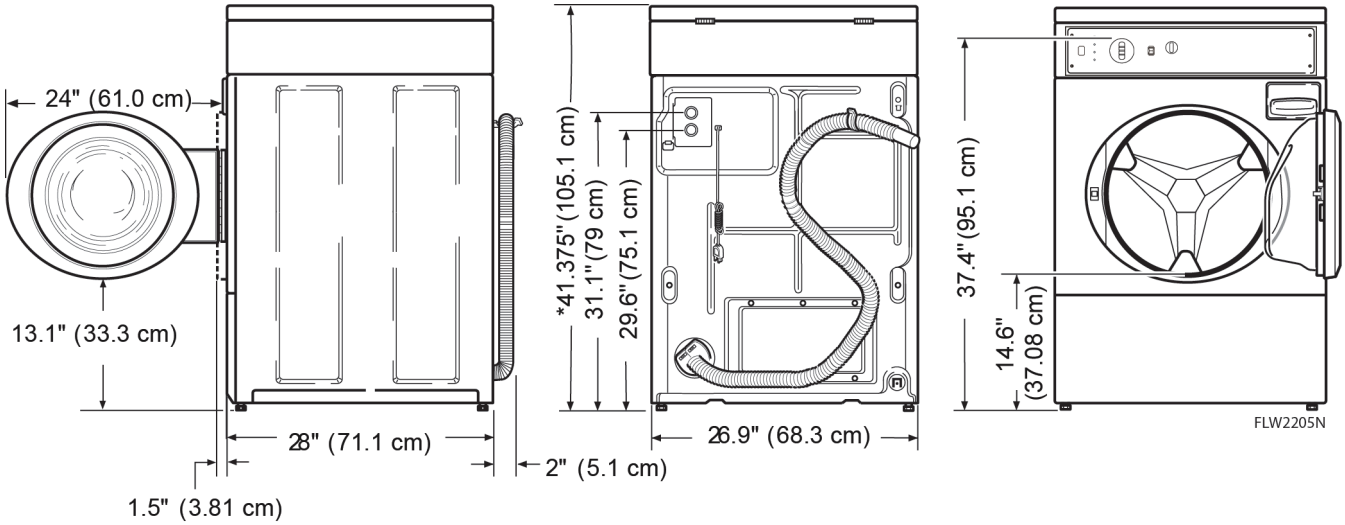
Washer has 3/4" (1.87 cm) connection for water mixing valve. Two water inlet hoses supplied with washer.

Drain hose is 4' (122 cm) long. One inch (2.5 cm) inside diameter.

Power cord has three-prong U.L. approved plug for connection to a grounded three-wire, 120 volt, 60 Hz electrical circuit. 15 to 20 amp. Use at least No. 12 wire, heavier for long distances.

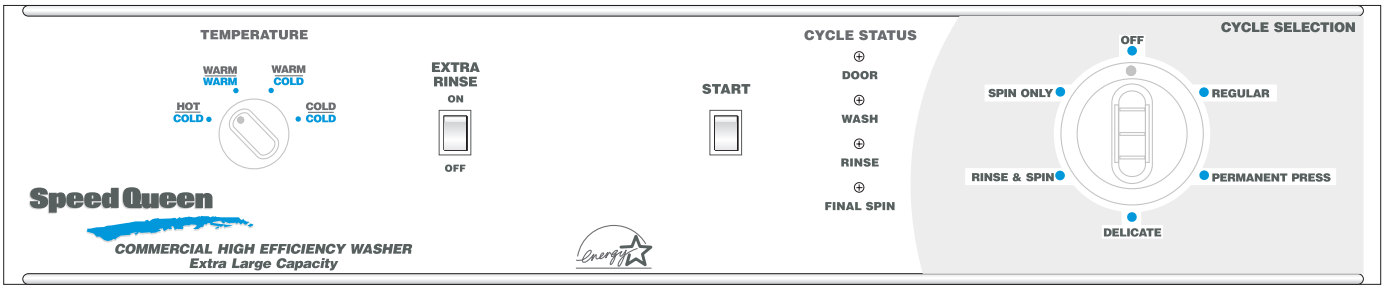
Dimensions are with leveling legs. Stand pipe should be 36" high.

COMMERCIAL HOMESTYLE FRONT LOAD FRONT CONTROL WASHER



DIMENSIONS: FRONT LOAD WASHER

COMMERCIAL HOMESTYLE REAR CONTROL



COMMERCIAL HOMESTYLE FRONT LOAD REAR CONTROL WASHER PANEL

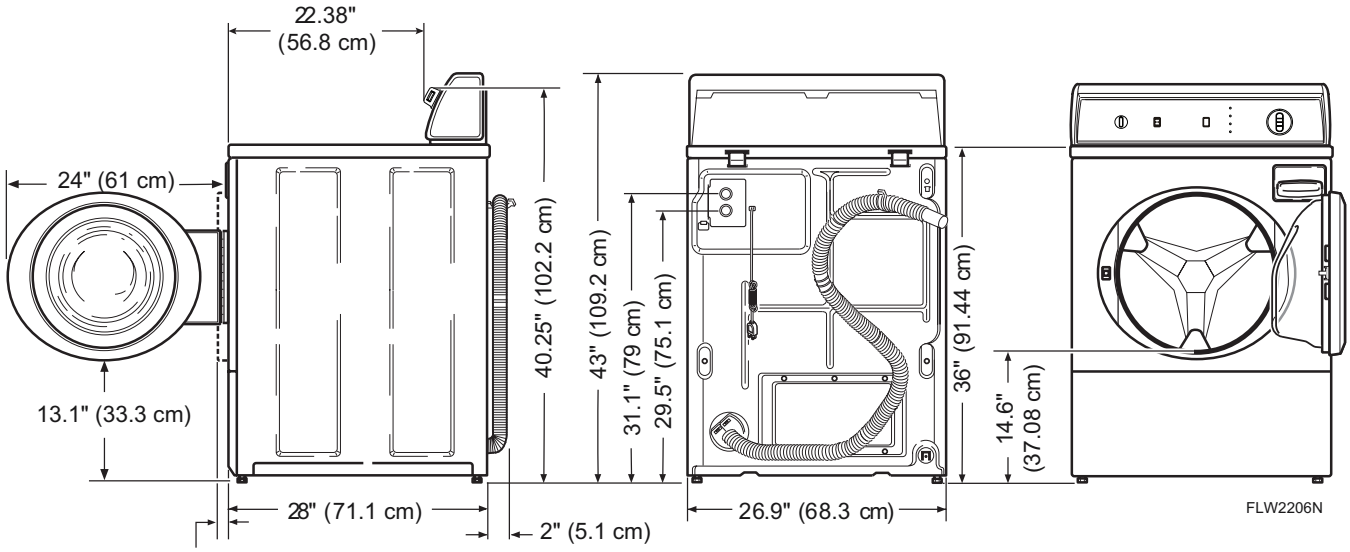
Washer has 3/4" (1.87 cm) connection for water mixing valve. Two water inlet hoses supplied with washer.

Drain hose is 4' (122 cm) long. One inch (2.5 cm) inside diameter.

Power cord has three-prong U.L. approved plug for connection to a grounded three-wire, 120 volt, 60 Hz electrical circuit. 15 to 20 amp. Use at least No. 12 wire, heavier for long distances.

Dimensions are with leveling legs. Stand pipe should be 36" high.

COMMERCIAL HOMESTYLE
FRONT LOAD
REAR CONTROL WASHER



DIMENSIONS: SINGLE LOAD DRYER

COMMERCIAL HOMESTYLE REAR CONTROL

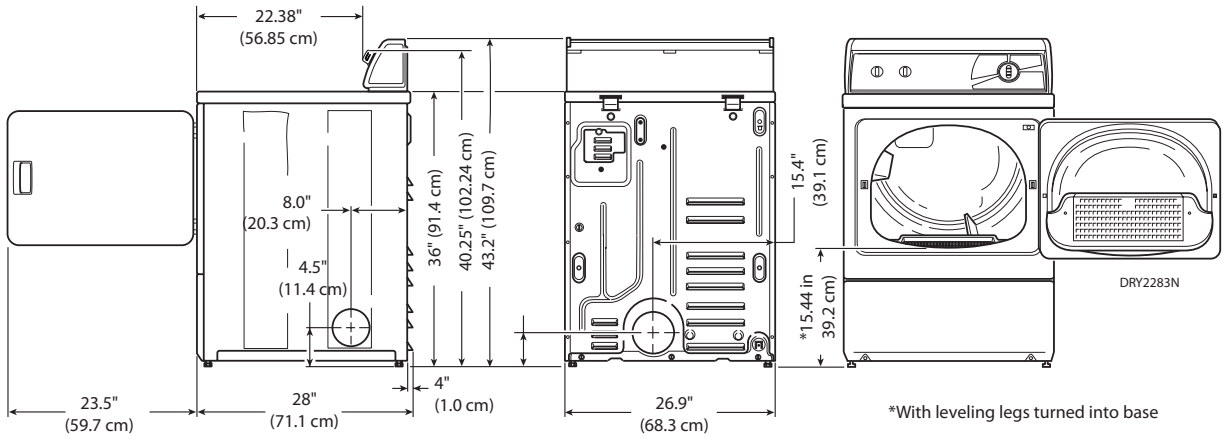
COMMERCIAL HOMESTYLE SINGLE LOAD REAR CONTROL DRYER PANEL

Gas dryers available for natural gas, L.P. gas kit available. L.P. Gas Conversion Kit must be installed by the Manufacturer's Authorized Dealers, Distributors, or local service personnel. Power cord is furnished
(120/60/1) - 15 amp.

Electric dryer can be exhausted in any direction, vented out rear, either side or base. Gas models have 3-way venting: right side, back and base.

Electric dryer models do not have power cord furnished 120/240/60/1 - 30 amp or 120/208/60/1 - 30 amp.

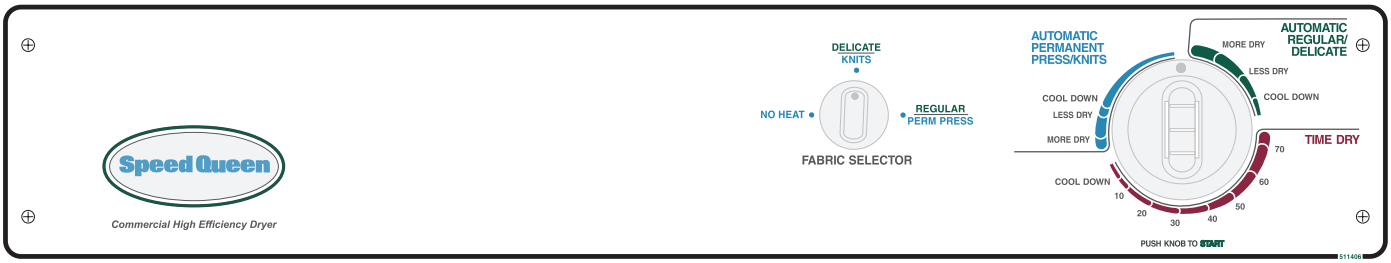
COMMERCIAL HOMESTYLE
SINGLE LOAD
REAR CONTROL DRYER



*With leveling legs turned into base

DIMENSIONS: SINGLE LOAD DRYER

COMMERCIAL HOMESTYLE FRONT CONTROL



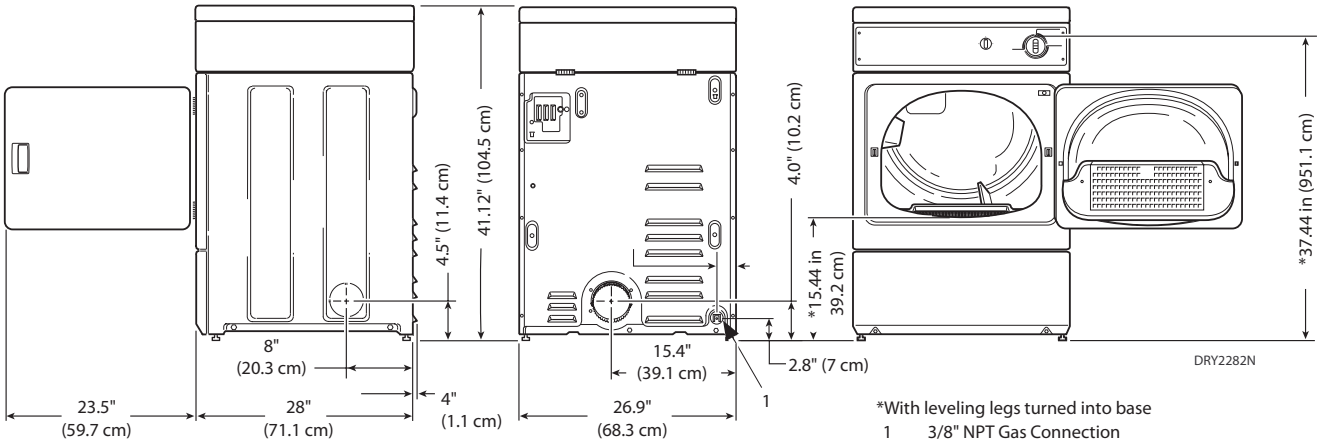
COMMERCIAL HOMESTYLE SINGLE LOAD FRONT CONTROL DRYER PANEL

Gas dryers available for natural gas, L.P. gas kit available. L.P. Gas Conversion Kit must be installed by the Manufacturer's Authorized Dealers, Distributors, or local service personnel.

Electric dryer can be exhausted in any direction, vented out rear, either side or base. Gas models have 3-way venting - right side, back and base.

Electric dryer models do not have power cord furnished 120/240/60/1 - 30 amp or 120/208/60/1 - 30 amp.

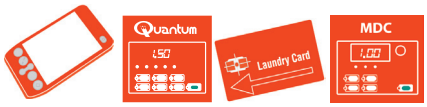
COMMERCIAL HOMESTYLE SINGLE LOAD FRONT CONTROL DRYER



*With leveling legs turned into base
1 3/8" NPT Gas Connection

DIMENSIONS: SINGLE LOAD TUMBLER

25 lb ROUTEMASTER™



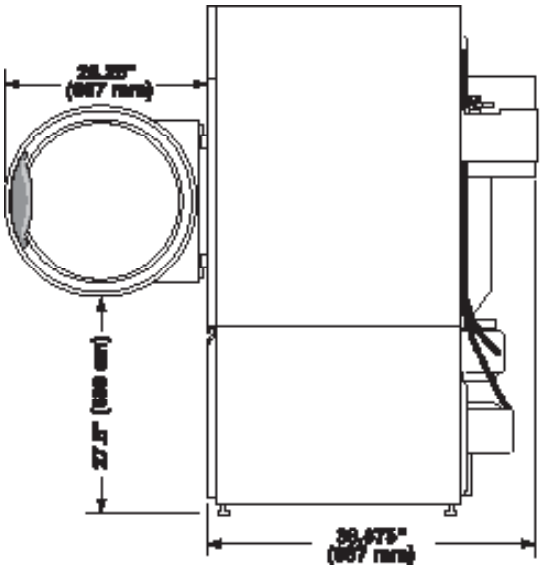
QUANTUM™ 25 LB ROUTEMASTER™ TUMBLER CONTROL PANEL

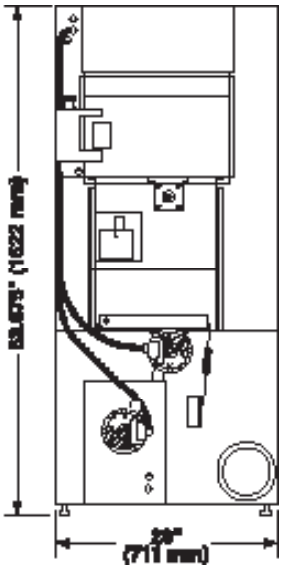
QUANTUM™
25 LB ROUTEMASTER™
TUMBLER

Space saving dimensions W x D x H - in (mm):
28" (711 mm) x 40 7/8" (1038) x 63 7/8" (1622 mm).

Handles 25 lb (11 kg) load.

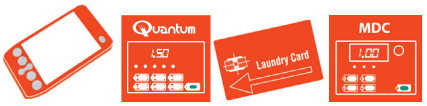
Gas models: 64,000 Btu/hr (18.8 kW), 60Hz.
Electric models: 12 kW.
Steam models:
At 100 psi (6.9 bar): 3.89BHP, 135,000 Btu/hr (39.6 kW) | At 15 psi (1.0 bar): 2.6 BHP, 90,000 Btu/hr (26.4 kw).

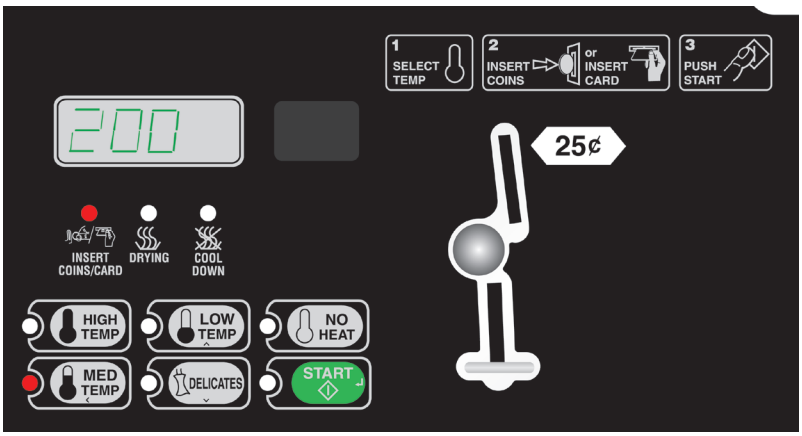




DIMENSIONS: SINGLE LOAD TUMBLER

25, 30, 35 lb





QUANTUM™ SINGLE LOAD TUMBLER CONTROL PANEL

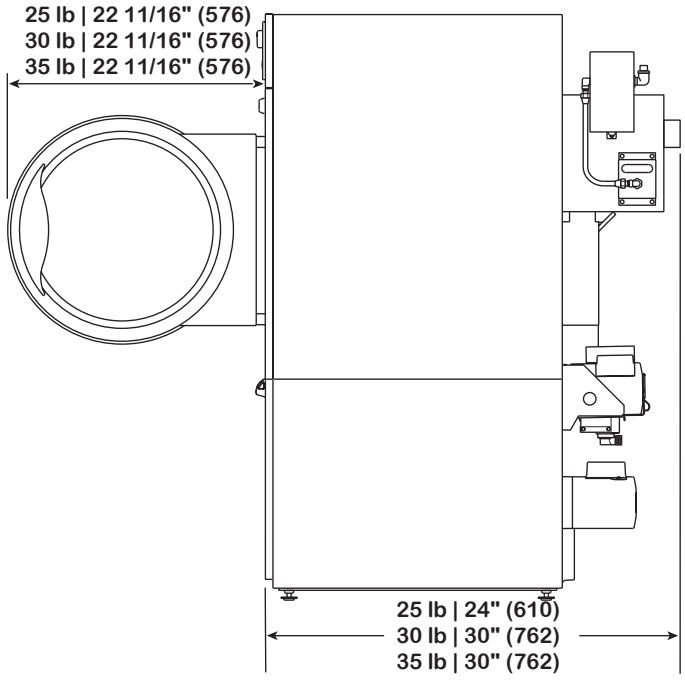
QUANTUM™
30 LB SINGLE LOAD
TUMBLER

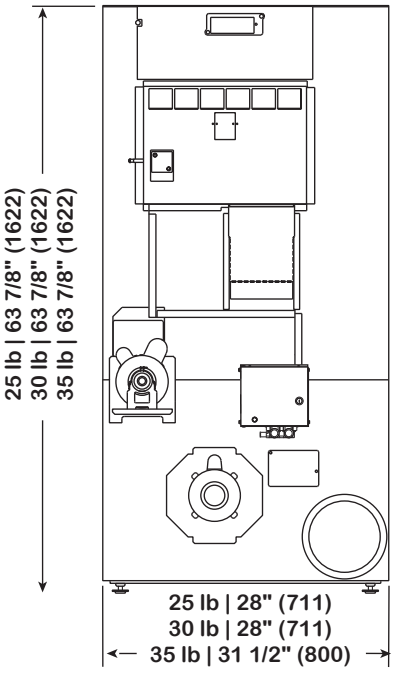
Dimensions W x D x H - in (mm):

25 lb - 28 (711) x 40 7/8 (1038) x 63 7/8 (1622).
30 lb - 28 (711) x 46 7/8 (1191) x 63 7/8 (1622).
35 lb - 31 1/2 (800) x 46 7/8 (1191) x 63 7/8 (1622).

Dry capacity - lb (kg) load: **25 lb** (11.3) | **30 lb** (13.6) | **35 lb** (15.9).

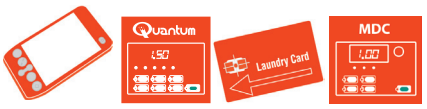
Gas models:
25 lb - 64,000 Btu/hr (18.8 kW), 60Hz | **30 lb** - 73,000 Btu/hr (21.4 kW), 60Hz
35 lb - 90,000 Btu/hr (21.4 kW) 60Hz.
Electric models: **25 lb** - 12 kW | **30 lb** - 21 kW | **35 lb** - 24 kW.
Steam models: **25 and 30 lb** - At 100 psi (6.9 bar): 3.8 BHP, 135,000 Btu/hr (39.6 kW)
25 lb - At 100 psi (6.9 bar): 4.8 BHP, 166,000 Btu/hr (48.6 kW)

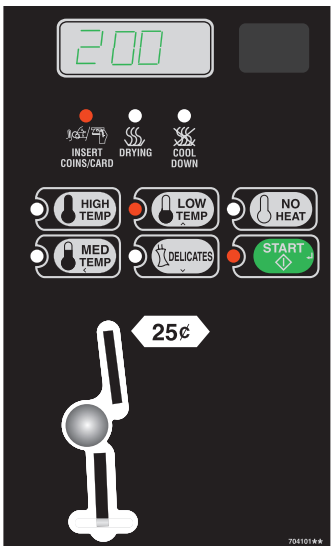




DIMENSIONS: STACK TUMBLER

30, 45 lb





QUANTUM™ STACK TUMBLER CONTROL PANEL

QUANTUM™
STACK TUMBLER

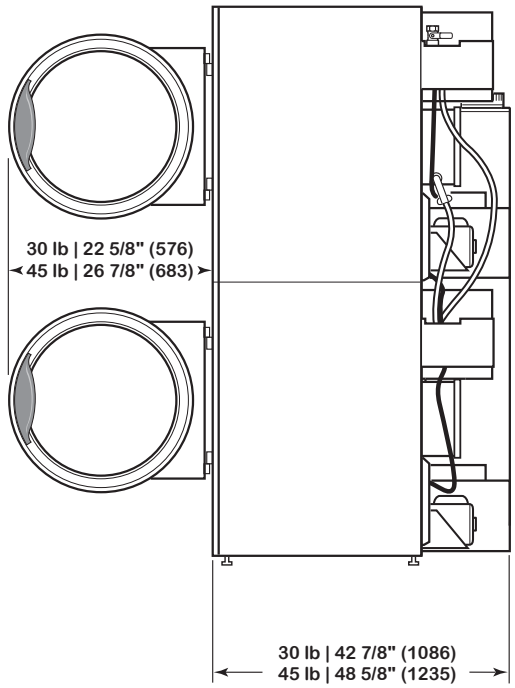
Two full-size 25, 30 or 35 lb pockets handle wash loads easily.

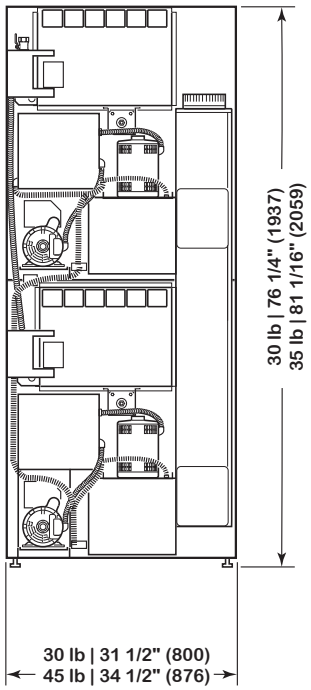
Space saving dimensions W x D x H - in (mm):

30 lb - 31 1/2 (800) x 42 7/8 (1086) x 76 1/4 (1937).
45 lb - 34 1/2 (876) x 48 5/8 (1235) x 81 1/16 (2059).

Dry capacity - lb (kg) load: **30 lb** 2 @ 30 (13.6) | **45 lb** 2 @ 45 (20.4).

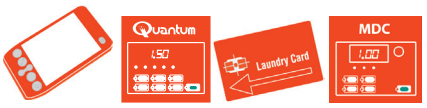
Gas models: **30 lb** - 146,000 Btu/hr (42.8 kW), 60Hz | **45 lb** - 190,000 Btu/hr (55.6 kW), 60Hz.
Electric models: **30 lb** - 21 kW.

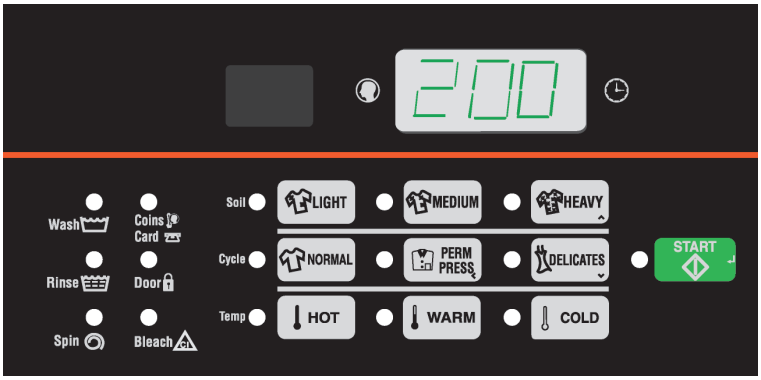




DIMENSIONS: WASHER EXTRACTOR

20, 30, 40 lb





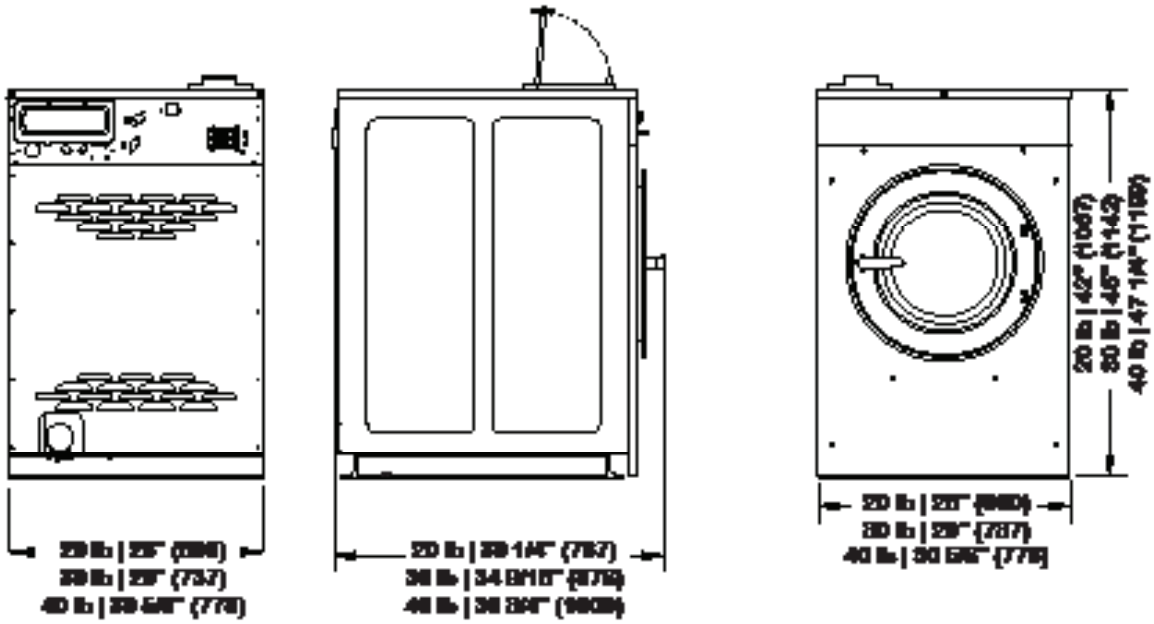
QUANTUM™ WASHER EXTRACTOR CONTROL PANEL

QUANTUM™
WASHER EXTRACTOR

Dimensions W x D x H - in (mm):

20 lb - 26 (660) x 30 1/4 (767) x 42 (1067).
30 lb - 29 (737) x 34 9/16 (878) x 45 (1142).
40 lb - 30 5/8 (778) x 39 3/4 (1009) x 47 1/4 (1199).

Dry capacity - lb (kg) load: **20 lb** (9.07) | **30 lb** (13.6) | **40 lb** (18).



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