Washer Extractors

WFF65, WFF75, WFF100
WFF135, WFF165

for corresponding “CWF” and “IWF” models, see page 5 for complete model list.

Technical specifications
Installation instructions
Maintenance

Instruction manual

Alliance International

Part No. D0875R7
Code: 249/00353/10
January 2011

Contents

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CWF165MDM
CWF165MEM
CWF165MLM
CWF165MXM
CWF165MYM

Safety

CAUTION LABELS

Please familiarize yourself with the following standard warning symbols. They are used throughout this manual and on the equipment to alert you to possible hazards. Anyone operating or servicing this equipment must understand these symbols and must follow all safety rules in this manual.

ELECTRICAL HAZARD

This symbol alerts you to the presence of a dangerous voltage, which could cause a serious shock resulting in personal injury or death.


CONSULT MANUAL

This symbol warns you to consult the manual for important instructions concerning the machine and possible hazards.

MOVING PARTS HAZARD

This symbol alerts you to the presence of possible dangerous moving parts within the machine. Guards should always be in place when the machine is in operation. Be very careful when servicing the drive system.

PINCHING HAZARD

This warning symbol indicates the presence of a pinch point on the machine. This is a place where your hand might be pinched or crushed, resulting in a severe injury. Make sure you understand these hazards and keep all body parts clear of them.

HOT SURFACE HAZARD

This symbol indicates the presence of a potentially hot surface. Some machine surfaces and parts may become extremely hot during normal operation and should not be touched.

ATTENTION

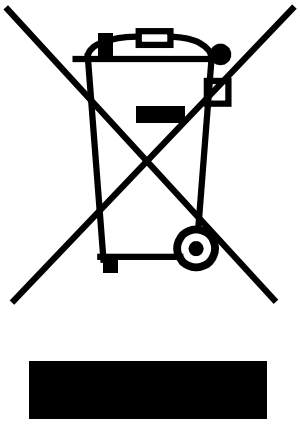
This symbol identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss.

Environmental

Disposal of Unit

This appliance is marked according to the European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. Ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local distributor resources.



Explanation of Safety Messages

Throughout this manual and on machine decals, you will find precautionary statements (“DANGER,” “WARNING,” and “CAUTION”) followed by specific instructions. These precautions are intended for the personal safety of the operator, user, servicer, and those maintaining the machine.

	**DANGER**
Indicates an imminently hazardous situation that, if not avoided, will cause severe personal injury or death.	

	**WARNING**
Indicates a hazardous situation that, if not avoided, could cause severe personal injury or death.	

	**CAUTION**
Indicates a hazardous situation that, if not avoided, may cause minor or moderate personal injury or property damage.	

Safety Decals

Safety decals appear at crucial locations on the machine. Failure to maintain legible safety decals could result in injury to the operator or service technician.

To provide personal safety and keep the machine in proper working order, follow all maintenance and safety procedures presented in this manual. If questions regarding safety arise, contact the manufacturer immediately.

Use manufacturer-authorized spare parts to avoid safety hazards.

Additional precautionary statements (“IMPORTANT” and “NOTE”) are followed by specific instructions.

IMPORTANT: The word “IMPORTANT” is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

NOTE: The word “NOTE” is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

Important Safety Instructions

	**WARNING**
To reduce the risk of fire, electric shock, serious injury or death to persons when using your washer, follow these basic precautions:	

1. Read all instructions before using the washer.
2. Refer to the GROUNDING INSTRUCTIONS in the installation Manual for the proper grounding of the washer.
3. Do not wash textiles that have been previously cleaned, washed, soaked, or spotted with gasoline, dry-cleaning solvents, or other flammable or explosive substances as they give off vapors that could ignite or explode.
4. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
5. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using a washing machine or combination washer-dryer, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. The gas is flammable, do not smoke or use an open flame during this time.
6. Do not allow children to play on or in the washer. This appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
7. Before the washer is removed from service or discarded, remove the door to the washing compartment.
8. Do not reach into the washer if the wash drum is moving. This is an imminently hazardous situation that, if not avoided, will cause severe personal injury or death.
9. Do not install or store the washer where it will be exposed to water and/or weather.
10. Do not tamper with the controls.
11. Do not repair or replace any part of the washer, or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that the user understands and has the skills to carry out.
12. To reduce the risk of an electric shock or fire, DO NOT use an extension cord or an adapter to connect the washer to an electrical power source.
13. Use a washer only for its intended purpose, washing textiles.
14. ALWAYS disconnect the washer from the electrical supply before attempting any service. Disconnect the power cord by grasping the plug, not the cord.
15. Install the washer according to the INSTALLATION INSTRUCTIONS. All connections for water, drain, electrical power and grounding must comply with local codes and be made by licensed personnel when required.
16. To reduce the risk of fire, textiles which have traces of any flammable substances such as vegetable oil, cooking oil, machine oil, flammable chemicals, thinner, etc., or anything containing wax or chemicals such as in mops and cleaning cloths, must not be put into the washer. These flammable substances may cause the fabric to catch on fire.
17. Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
18. Keep washer in good condition. Bumping or dropping the washer can damage safety features. If this occurs, have washer checked by a qualified service person.
19. Replace worn power cords and/or loose plugs.
20. Be sure water connections have a shut-off valve and that fill hose connections are tight. CLOSE the shut-off valves at the end of each wash day.

21. Loading door MUST BE CLOSED any time the washer is to fill, tumble, or spin. DO NOT bypass the loading door switch by permitting the washer to operate with the loading door open.
22. Always read and follow manufacturer's instructions on packages of laundry and cleaning aids. Heed all warnings or precautions. To reduce the risk of poisoning or chemical burns, keep them out of the reach of children at all times (preferably in a locked cabinet).
23. Always follow the fabric care instructions supplied by the textile manufacturer.
24. Never operate the washer with any guards and/or panels removed.
25. DO NOT operate the washer with missing or broken parts.
26. DO NOT bypass any safety devices.
27. Failure to install, maintain, and/or operate this washer according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.
28. It is recommended that the machine be installed by qualified technicians.
29. Before starting repairs or maintenance, shut off all power and water supplies.
30. To prevent fire and explosion:
    Keep the area around the machine free from inflammable or combustible products.

NOTE: The WARNINGS and IMPORTANT SAFETY INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution, and care must be exercised when installing, maintaining, or operating the washer.

Any problems or conditions not understood should be reported to the dealer, distributor, service agent, or the manufacturer.

SAVE THESE INSTRUCTIONS

Operator Safety

	**WARNING**
NEVER insert hands or objects into basket until it has completely stopped. Doing so could result in serious injury.	

To ensure the safety of machine operators, the following maintenance checks must be performed daily:

1. Prior to operating the machine, verify that all warning signs are present and legible. Missing or illegible signs must be replaced immediately. Make certain that spares are available.
2. Check door interlock before starting operation of the machine:
   a. Attempt to start the machine with the door open. The machine should not start with the door open.
   b. Close the door without locking it and attempt to start the machine. The machine should not start with the door unlocked.
   c. Close and lock the door and start a cycle. Attempt to open the door while the cycle is in progress. The door should not open.

If the door lock and interlock are not functioning properly, call a service technician.

3. Do not attempt to operate the machine if any of the following conditions are present:
   a. The door does not remain securely locked during the entire cycle.
   b. Excessively high water level is evident.
   c. Machine is not connected to a properly grounded circuit.

Do not bypass any safety devices in the machine.

	**WARNING**
Never operate the machine with a bypassed or disconnected balance system. Operating the machine with severe out-of-balance loads could result in personal injury and serious equipment damage.	

SAVE THESE INSTRUCTIONS

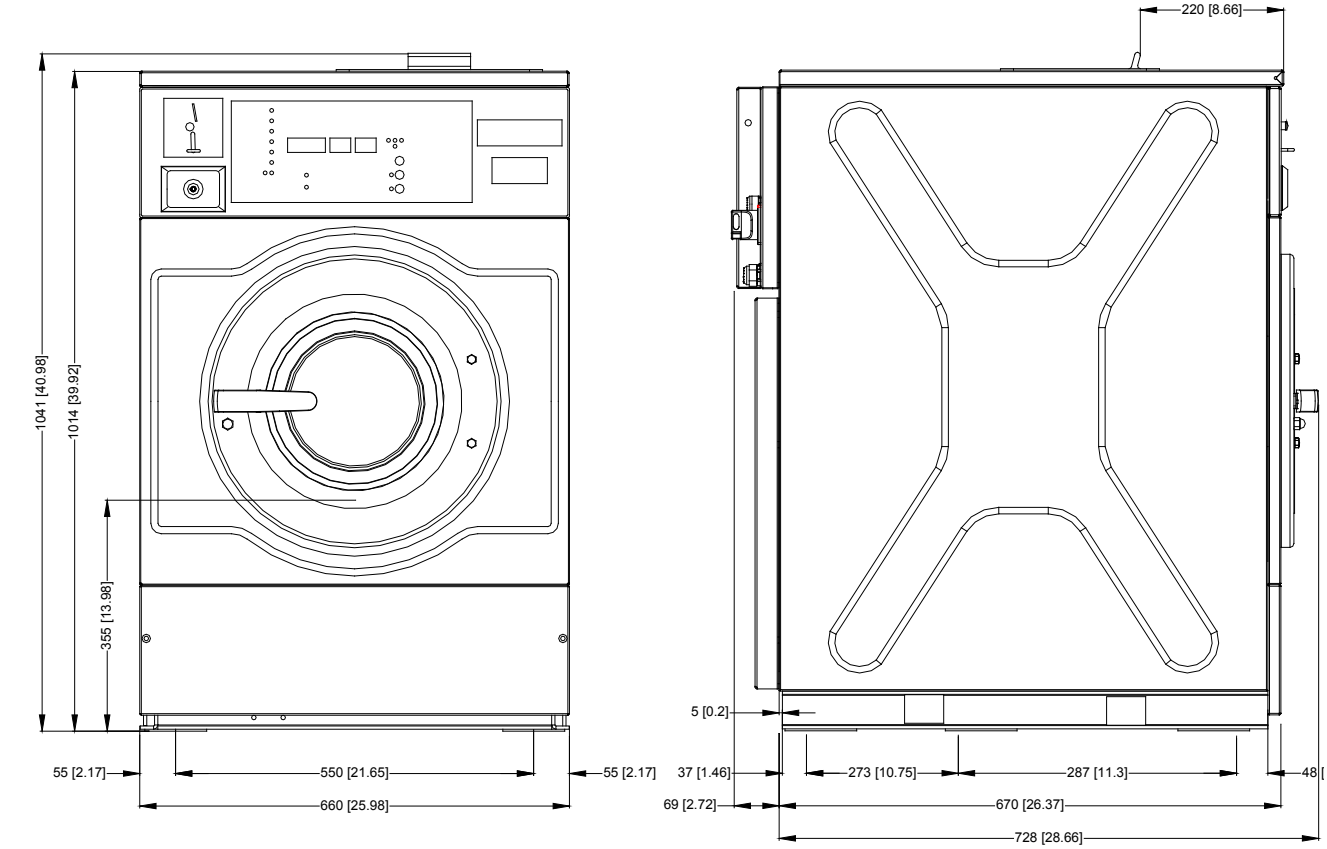
Technical data and dimensions

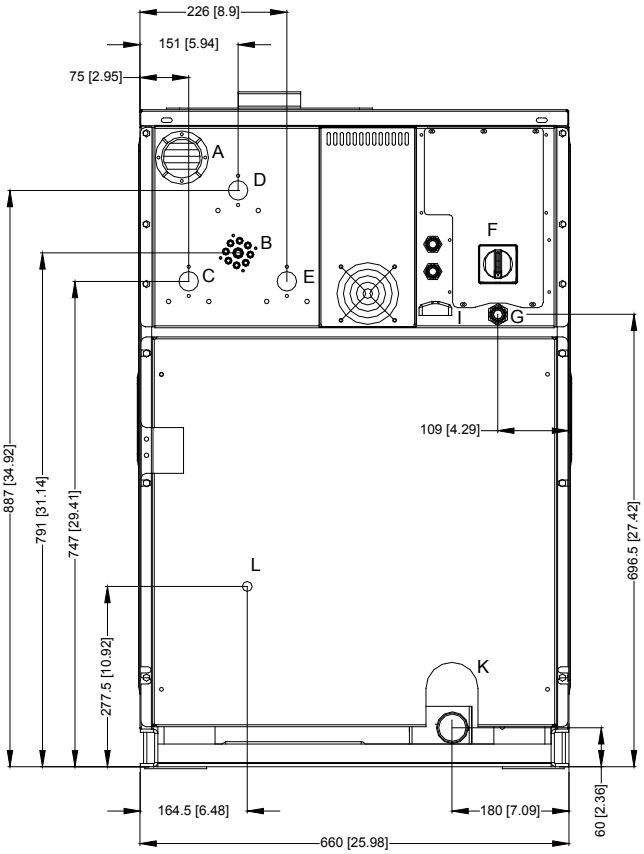
Technical data WFF65, IWF065, IWF014, CWF065, CWF014

		METRIC	US
Capacity (dry weight) Ratio [kg/Lit]			
	1:11	5,9 kg	13 lb.
	1:10	6,5 kg	14.33 lb.
	1:9	7,2 kg	15.87 lb.
Cylinder			
	Diameter	530 mm	20.86 inch
	Depth	295 mm	11.61 inch
	Volume	65 Lit	2.29 ft³
Cabinet			
	Height	1041 mm	40.98 inch
	Width	660 mm	25.98 inch
	Depth	797 mm	31.37 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Door height	355 mm	13.97 inch
	To center	508 mm	20 inch
Speed			
	Wash	10 - 50 tr/min - RPM	
	Distribution	85 tr/min - RPM	
	Spin	700 tr/min - RPM	
G-factor			
	Spin	145	
Motor (3-phase)			
	4p. 1470 tr./min	0,55kW / 0,73HP	
Drain valve			
		2"	
Water supply			
	Hard, soft, warm water	3/4"	
Steam connection			
	Steam connection	3/8"	
Heating			
	Electrical 230/400 V	4,2 kW - 6 kW - 9 kW	
	Electrical 400V	N/A	
	Steam	X	
	Warm water (without additional heating)	X	
	Warm water (with additional heating)	X	
Packing dimensions			
	(H x W x D) mm - inch	1160x730x850 mm - 45.66x28.74x33.46 inch	
Weight			
	Net	174 kg	384 lb.
	Gross	192 kg	423.28 lb.

Dimensions WFF65, IWF065, IWF014, CWF065, CWF014

Legend: metric mm [inches]





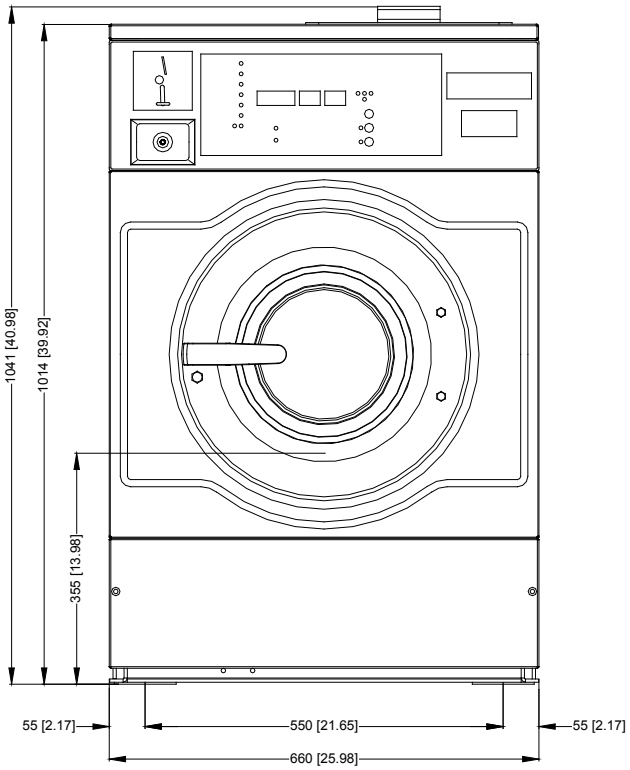
- ❑ A. Ventilation soap dispenser
- ❑ B. Liquid soap connetions
- ❑ C. Hard water connections 3/4"
- ❑ D. Warm water connections 3/4"
- ❑ E. Soft water connections 3/4"
- ❑ F. Main switch
- ❑ G.Electrical connections
- ❑ I. Ventilation tub
- ❑ K. Drain valve
- ❑ L. Steam connections

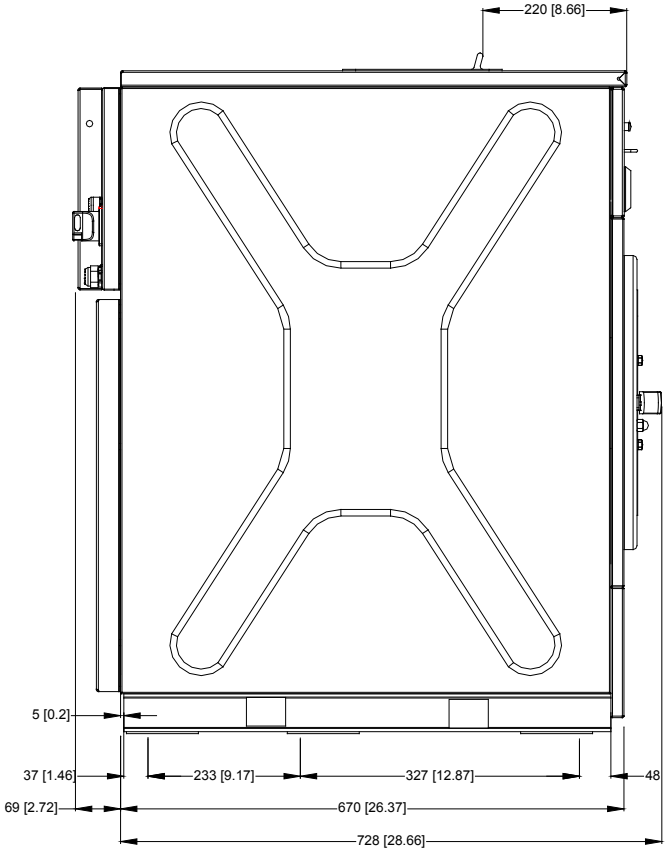
Technical data WFF75, IWF074, IWF018, CWF074, CWF018

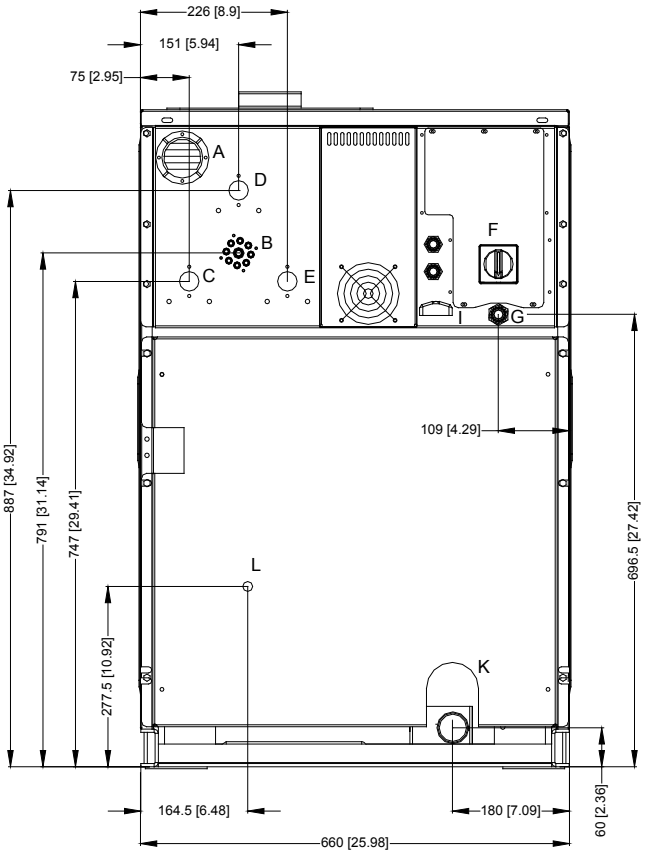
		METRIC	US
Capacity (dry weight) Ratio [kg/Lit]			
	1:11	6,9 kg	14.33 lb.
	1:10	7,3 kg	16.09 lb.
	1:9	8,4 kg	18.51 lb
Cylinder			
	Diameter	530 mm	20.86 inch
	Depth	345 mm	13.58 inch
	Volume	73 Lit	2.57 ft³
Cabinet			
	Height	1041 mm	40.98 inch
	Width	660 mm	25.98 inch
	Depth	797 mm	31.37 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Door height	355 mm	13.97 inch
	To center	508 mm	20 inch
Speed			
	Wash	10 - 50 tr/min - RPM	
	Distribution	85 tr/min - RPM	
	Spin	700 tr/min - RPM	
G-factor			
	Spin	145	
Motor (3-phase)			
	4p. 1470 tr./min	0,55kW / 0,73HP	
Drain valve			
		2"	
Water supply			
	Hard, soft, warm water	3/4"	
Steam connection			
	Steam connection	3/8"	
Heating			
	Electrical 230/400 V	4,2 kW - 6 kW - 9 kW	
	Electrical 400V	12 kW	
	Steam	X	
	Warm water (without additional heating)	X	
	Warm water (with additional heating)	X	
Packing dimensions			
	(H x W x D) mm - inch	1160x730x850 mm - 45.66x28.74x33.46 inch	
Weight			
	Net	181 kg	399.03 lb.
	Gross	196 kg	432.10 lb.

Dimensions WFF75, IWF074, IWF018, CWF074, CWF018

Legend: metric mm [inches]







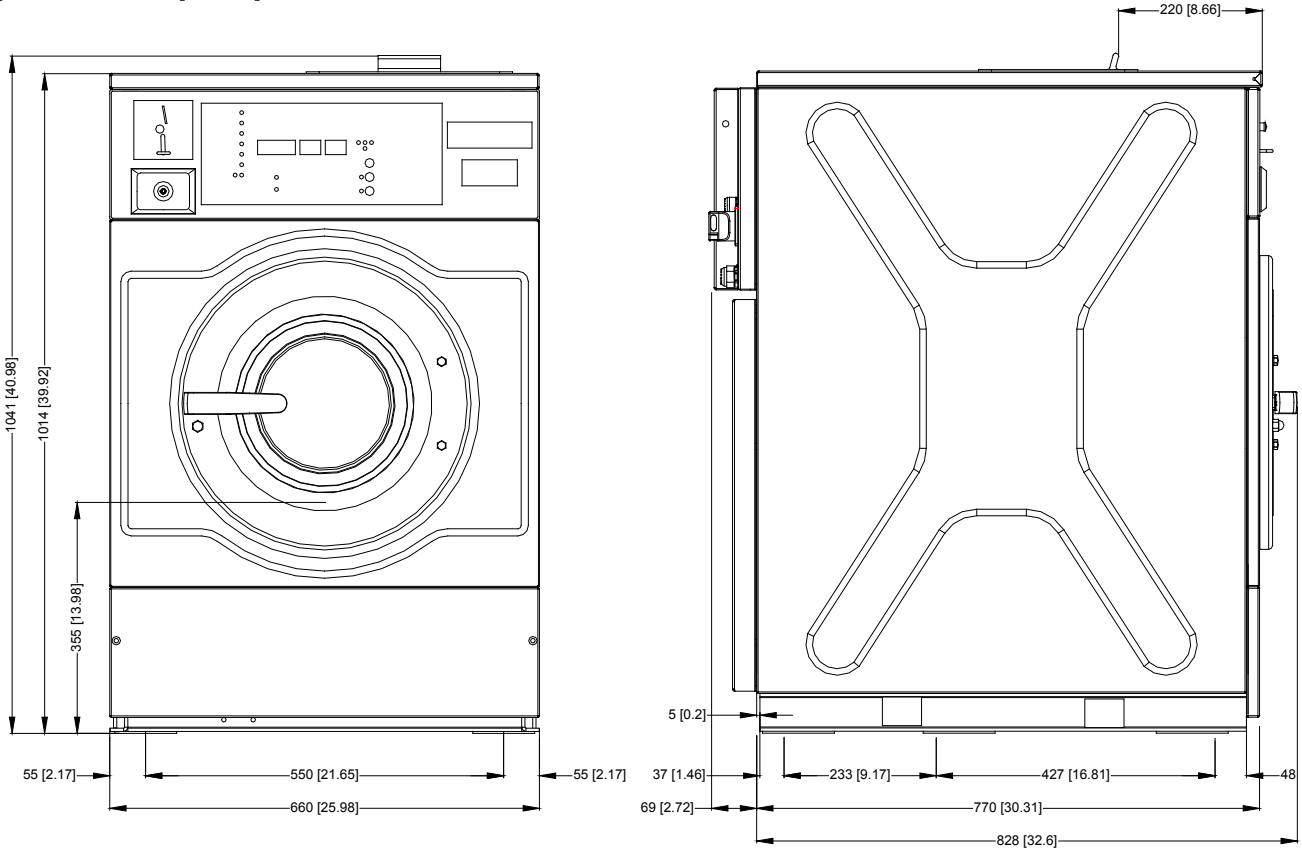
- ❑ A. Ventilation soap dispenser
- ❑ B. Liquid soap connetions
- ❑ C. Hard water connections 3/4"
- ❑ D. Warm water connections 3/4"
- ❑ E. Soft water connections 3/4"
- ❑ F. Main switch
- ❑ G.Electrical connections
- ❑ I. Ventilation tub
- ❑ K. Drain valve
- ❑ L. Steam connections

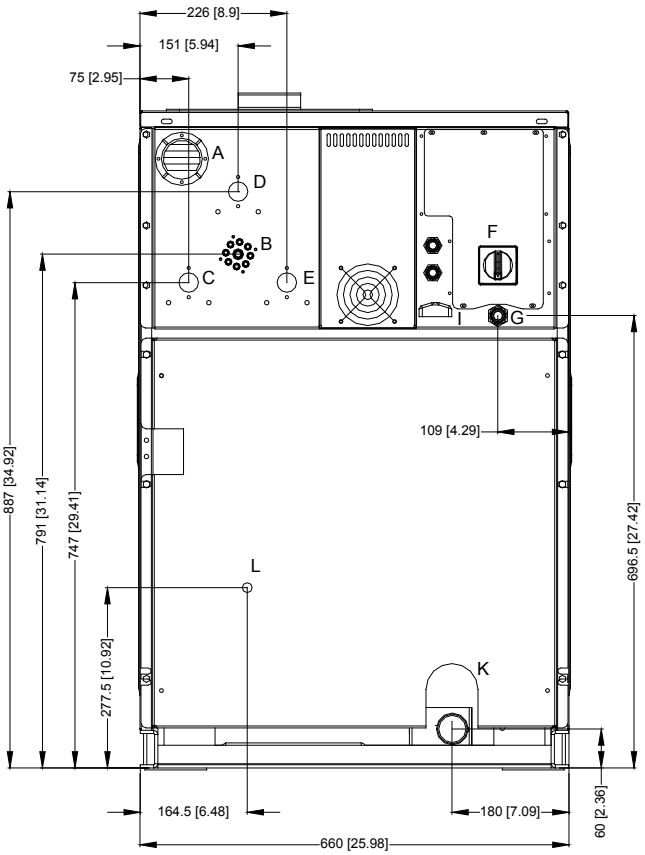
Technical data WFF100, IWF100, IWF025, CWF100, CWF025

		METRIC	US
Capacity (dry weight) Ratio [kg/Lit]			
	1:11	8,6 kg	18.95 lb.
	1:10	9,5 kg	20.94 lb.
	1:9	10,5 kg	23.14 lb.
Cylinder			
	Diameter	530 mm	20.86 inch
	Depth	440 mm	17.32 inch
	Volume	95 Lit	3.35 ft³
Cabinet			
	Height	1041 mm	40.98 inch
	Width	660 mm	25.98 inch
	Depth	897 mm	35.31 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Door height	355 mm	13.97 inch
	To center	508 mm	20 inch
Speed			
	Wash	10 - 50 tr/min - RPM	
	Distribution	85 tr/min - RPM	
	Spin	700 tr/min - RPM	
G-factor			
	Spin	145	
Motor (3-phase)			
	4p. 1470 tr./min	0,55kW / 0,73HP	
Drain valve			
		2"	
Water supply			
	Hard, soft, warm water	3/4"	
Steam connection			
	Steam connection	3/8"	
Heating			
	Electrical 230/400 V	4,2 kW - 6 kW - 9 kW	
	Electrical 400V	12 kW	
	Steam	X	
	Warm water (without additional heating)	X	
	Warm water (with additional heating)	X	
Packing dimensions			
	(H x W x D) mm - inch	1170x730x950 mm - 45.66x28.74x37.40 inch	
Weight			
	Net	200 kg	440.92 lb.
	Gross	209 kg	460.76 lb.

Dimensions WFF100, IWF100, IWF025, CWF100, CWF025

Legend: metric mm [inches]





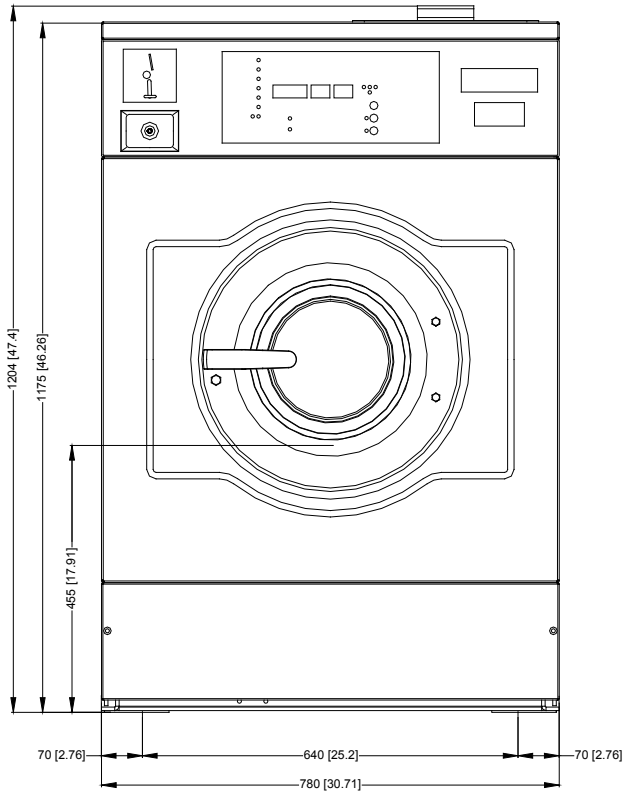
- ❑ A. Ventilation soap dispenser
- ❑ B. Liquid soap connetions
- ❑ C. Hard water connections 3/4"
- ❑ D. Warm water connections 3/4"
- ❑ E. Soft water connections 3/4"
- ❑ F. Main switch
- ❑ G.Electrical connections
- ❑ I. Ventilation tub
- ❑ K. Drain valve
- ❑ L. Steam connections

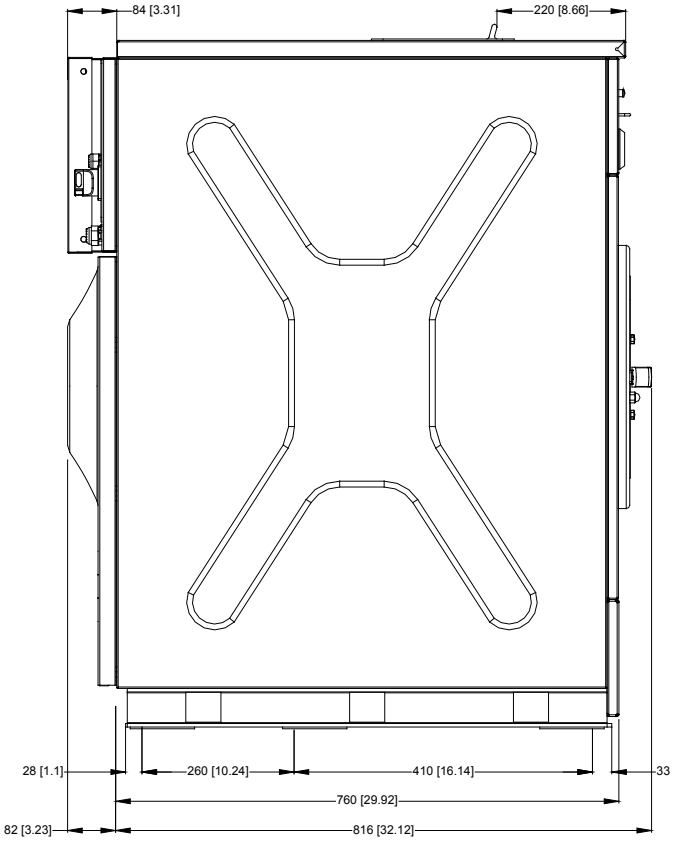
Technical data WFF135, IWF135, IWF030, CWF135, CWF030

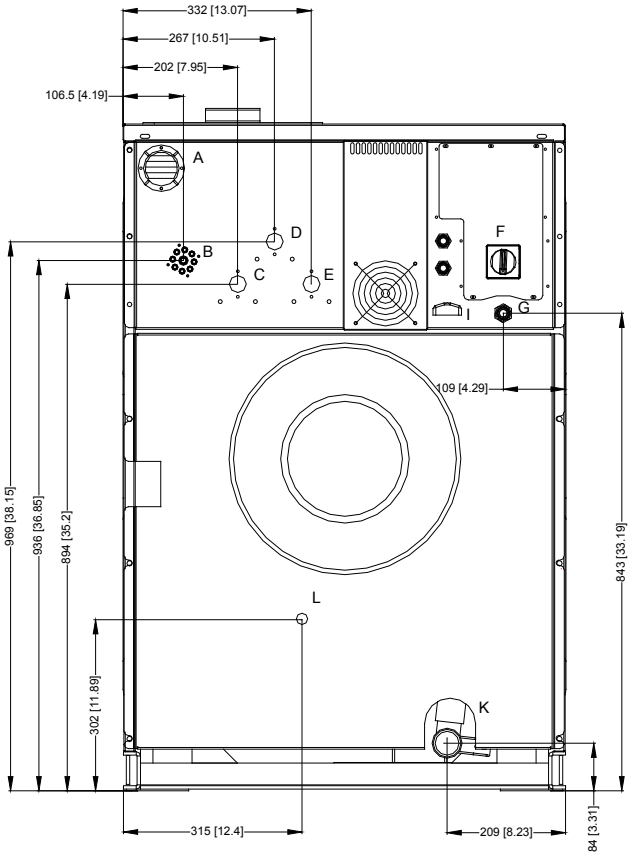
		METRIC	US
Capacity (dry weight) Ratio [kg/Lit]			
	1:11	12 kg	26.45 lb.
	1:10	13,2 kg	29.10 lb.
	1:9	14,5 kg	31.96 lb.
Cylinder			
	Diameter	650 mm	25.59 inch
	Depth	400 mm	17.74 inch
	Volume	132 Lit	4.66 ft³
Cabinet			
	Height	1204 mm	47.40 inch
	Width	780 mm	30.70 inch
	Depth	842 mm	33.14 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Door height	455 mm	17.91 inch
	To center	606 mm	23.85 inch
Speed			
	Wash	10 - 50 tr/min - RPM	
	Distribution	85 tr/min - RPM	
	Spin	632 tr/min - RPM	
G-factor			
	Spin	145	
Motor (3-phase)			
	4p. 1470 tr./min	1,10kW / 1,47HP	
Drain valve			
		2"	
Water supply			
	Hard, soft, warm water	3/4"	
Steam connection			
	Steam connection	3/8"	
Heating			
	Electrical 230/400 V	12 kW - 15 kW - 18 kW	
	Electrical 400V	N/A	
	Steam	X	
	Warm water (without additional heating)	X	
	Warm water (with additional heating)	X	
Packing dimensions			
	(H x W x D) mm - inch	1340x 848x 950 mm- 52.75x33.38x37.40 inch	
Weight			
	Net	280 kg	617.29 lb.
	Gross	293 kg	645.95 lb.

Dimensions WFF135, IWF135, IWF030, CWF135, CWF030

Legend: metric mm [inches]







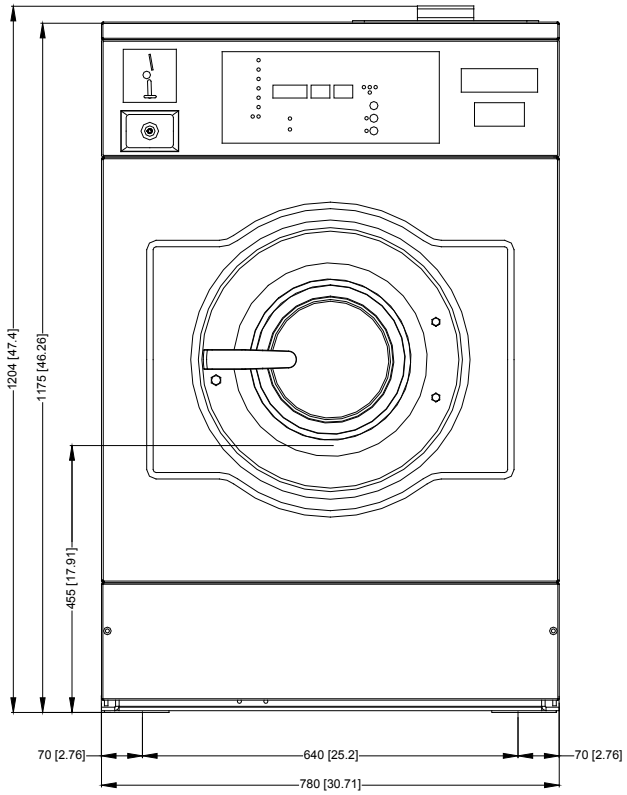
- ❑ A. Ventilation soap dispenser
- ❑ B. Liquid soap connetions
- ❑ C. Hard water connections 3/4"
- ❑ D. Warm water connections 3/4"
- ❑ E. Soft water connections 3/4"
- ❑ F. Main switch
- ❑ G.Electrical connections
- ❑ I. Ventilation tub
- ❑ K. Drain valve
- ❑ L. Steam connections

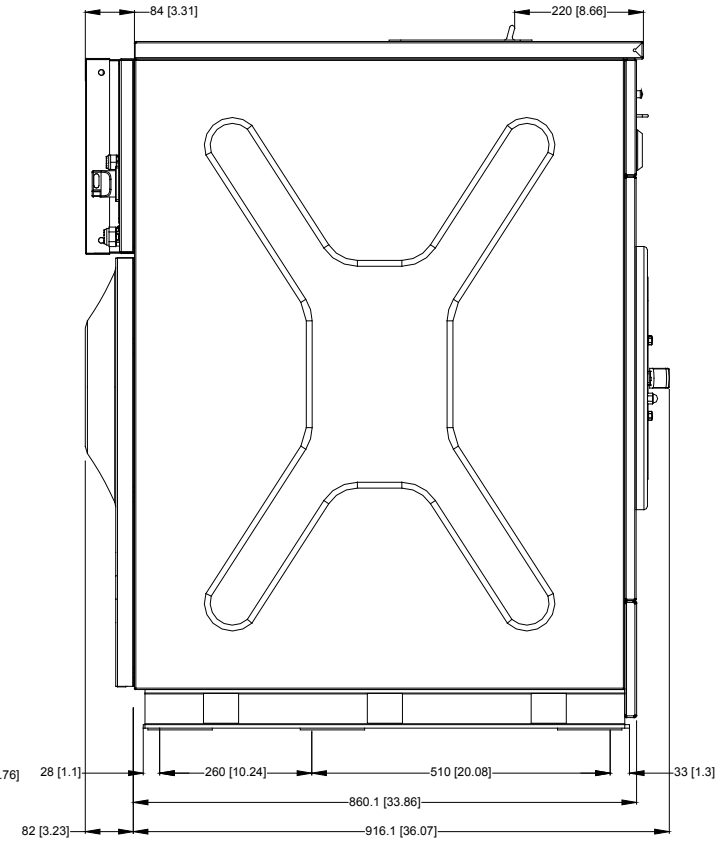
Technical data WFF165, IWF165, CWF165

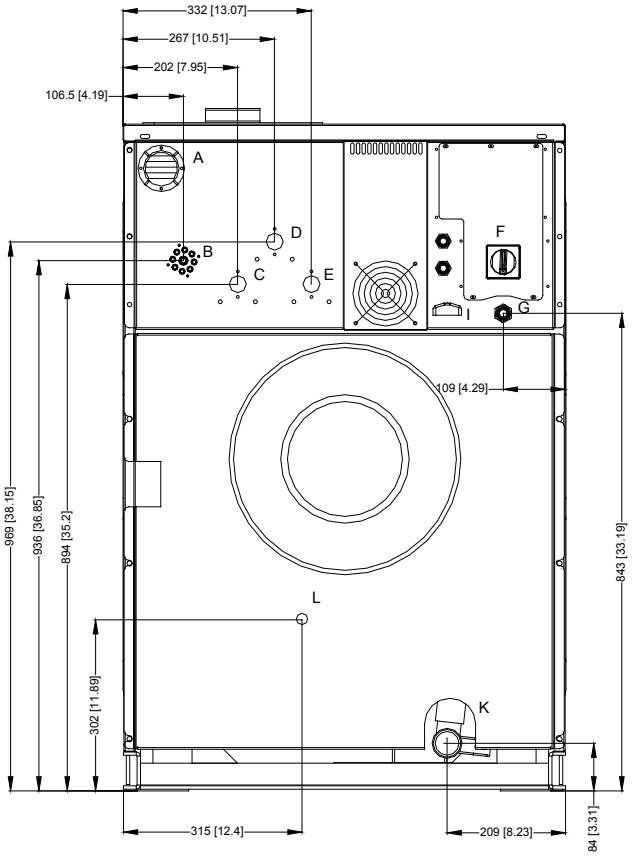
		METRIC	US
Capacity (dry weight) Ratio [kg/Lit]			
	1:11	15 kg	33.06 lb.
	1:10	16,5 kg	36.37 lb.
	1:9	18,3 kg	40.34 lb.
Cylinder			
	Diameter	650 mm	25.59 inch
	Depth	500 mm	19.68 inch
	Volume	165 Lit	5.83 ft³
Cabinet			
	Height	1204 mm	47.40 inch
	Width	780 mm	30.70 inch
	Depth	942 mm	37.08 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Door height	455 mm	17.91 inch
	To center	606 mm	23.85 inch
Speed			
	Wash	10 - 50 tr/min - RPM	
	Distribution	85 tr/min - RPM	
	Spin	632 tr/min - RPM	
G-factor			
	Spin	145	
Motor (3-phase)			
	4p. 1470 tr./min	1,10kW / 1,47HP	
Drain valve			
		2"	
Water supply			
	Hard, soft, warm water	3/4"	
Steam connection			
	Steam connection	3/8"	
Heating			
	Electrical 230/400 V	12 kW - 15kW - 18 kW	
	Electrical 400V	21 kW - 24 kW	
	Steam	X	
	Warm water (without additional heating)	X	
	Warm water (with additional heating)	X	
Packing dimensions			
	(H x W x D) mm	1340x848x1020 mm- 52.75x33.38x40.15 inch	
Weight			
	Net	298 kg	656.97 lb.
	Gross	310 kg	683.43 lb.

Dimensions WFF165, IWF165, CWF165

Legend: metric mm [inches]







- ❑ A. Ventilation soap dispenser
- ❑ B. Liquid soap connetions
- ❑ C. Hard water connections 3/4"
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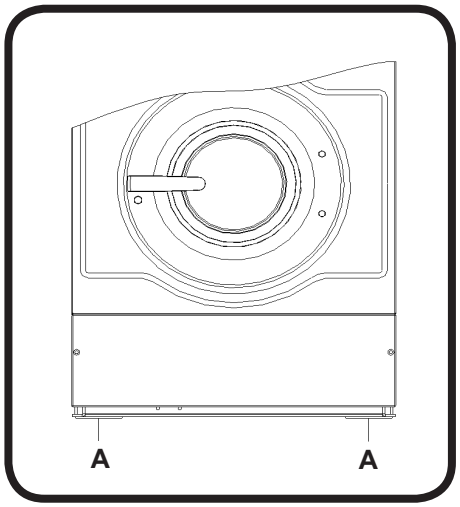
- ❑ G.Electrical connections
- ❑ I. Ventilation tub
- ❑ K. Drain valve
- ❑ L. Steam connections



Label 1

CAUTION

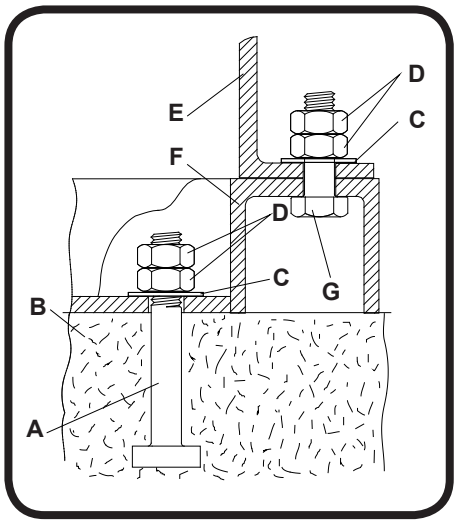
Ensure that the machine is installed on a level floor of sufficient strength and that the recommended clearances for inspection and maintenance are provided. Never allow the inspection and maintenance space to be blocked.

Surface

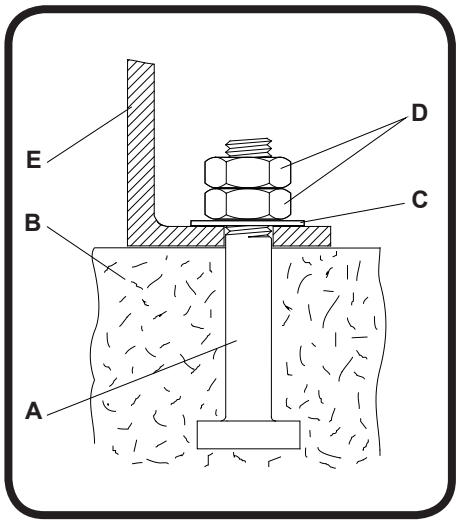
The machine must be securely fixed on a ***flat surface*** (metal base, concrete or solid ground). The anchoring is to be done on the 6 ***provided places (A) (See Label 1)*** in the holes on the corner of the base. (See Mounting Bolt Hole Locations)

The machine must be placed entirely level. For easy maintenance it is recommended to keep a minimal distance of 600 mm - 23.62 inch between the wall and the back of the machine.

If several machines are placed next to each another, there should be a minimal distance of 30 mm - 1.18 inch between each machine.



Label 2



Label 3

Anchoring on a metal base

The machines must be fixed on a metal base which is securely anchored on a concrete base. See Label 2.

WFF65/75/100 = WFF65, IWF065, IWF014, CWF065, CWF014, WFF75, IWF074, IWF018, CWF074, CWF018, WFF100, IWF100, IWF025, CWF100, CWF025

WFF135/165 = WFF135, IWF135, IWF030, CWF135, CWF030, WFF165, IWF165, CWF165

A: Bolt M12 (1/2”) (WFF65/75/100), M16 (5/8”) (WFF135/165)
B: Concrete base **(WFF65/75/100: 25 cm - 9.48 inch, WFF135/165: 35 cm - 13.77 inch)**
C: Washer 40x17x4 (1.57x0.60x0.15)
D: Nut M12 (1/2”) (WFF65/75/100), M16 (5/8”) (WFF135/165)
E: Base of the machine
F: Metal base
G: Bolt M16x60 (5/8” x 2 1/2”)

Directly on the ground

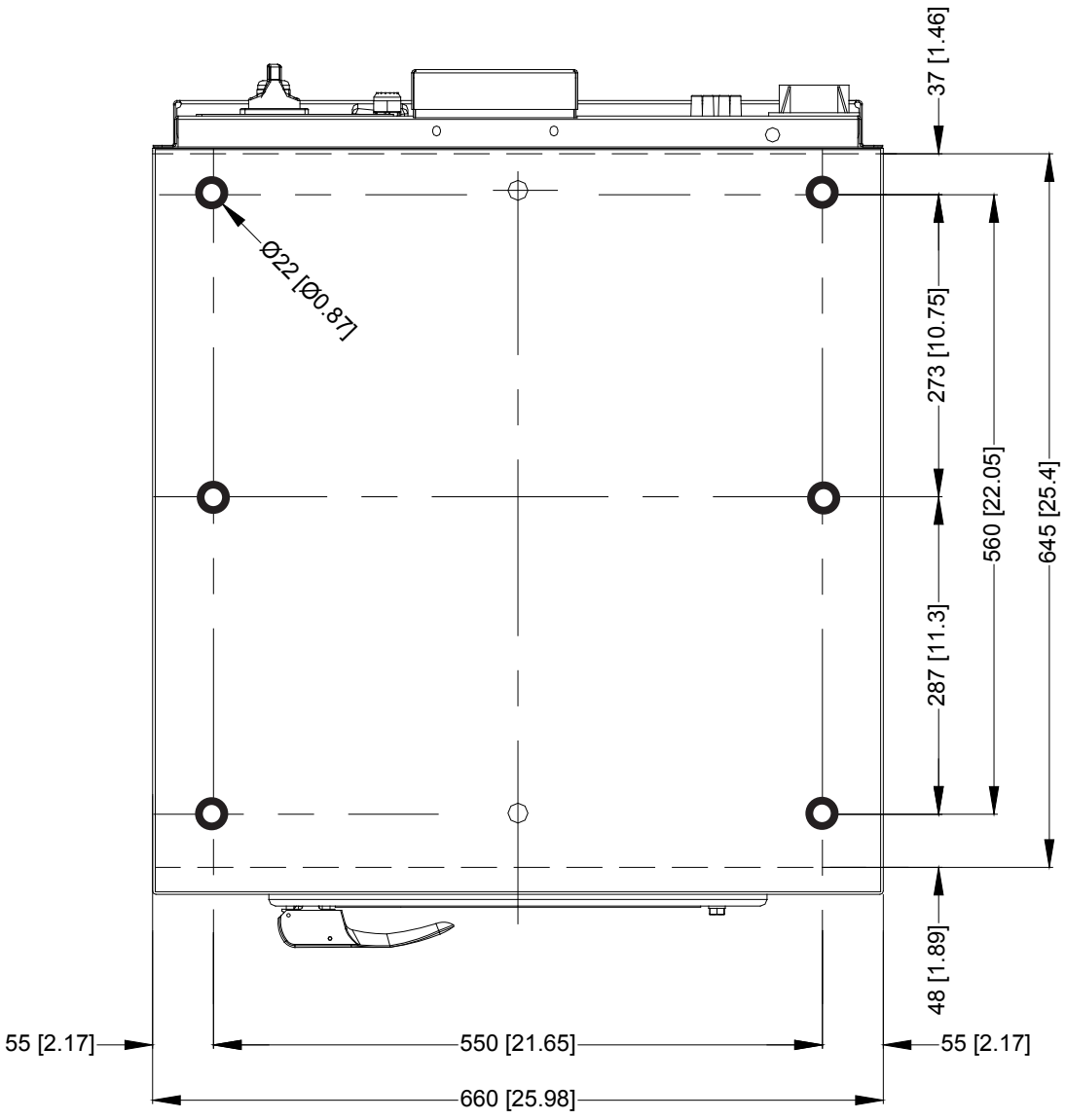
The machine must be anchored directly on a concrete base. See Label 3.

A: Bolt M12 (1/2”) (WFF65/75/100), M16 (5/8”) (WFF135/165)
B: Concrete base **(WFF65/75/100: 25 cm - 9.48 inch, WFF135/165: 35 cm - 13.77 inch)**
C: Washer 40x17x4 (1.57x0.60x0.15)
D: Nut M12 (1/2”) (WFF65/75/100), M16 (5/8”) (WFF135/165)
E: Base of the machine

IMPORTANT: Machine bolts should be re-checked on a quarterly basis.

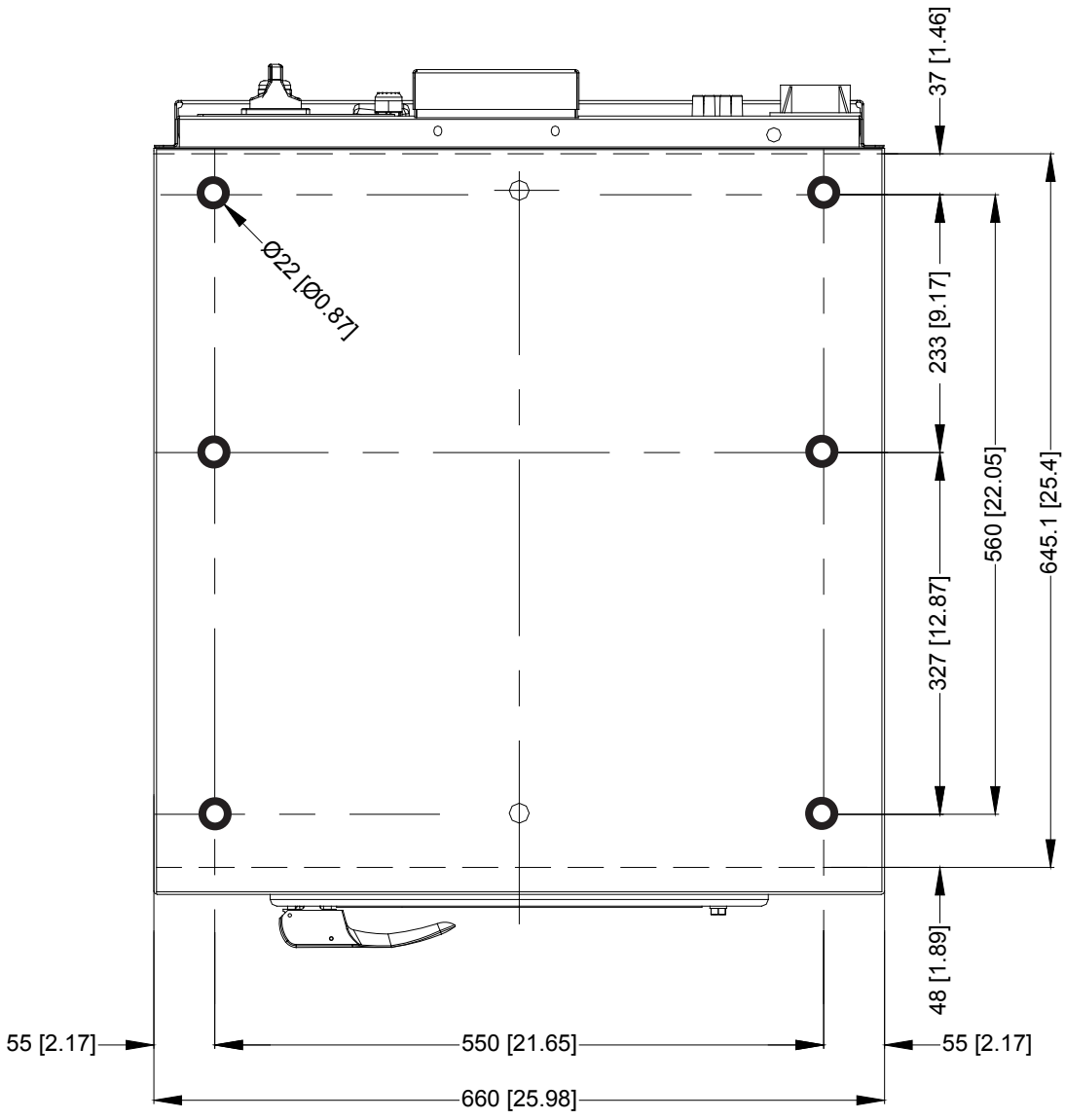
Mounting Bolt Hole Locations for machines, WFF65, IWF065, IWF014, CWF065, CWF014

Legend: metric mm [inches]



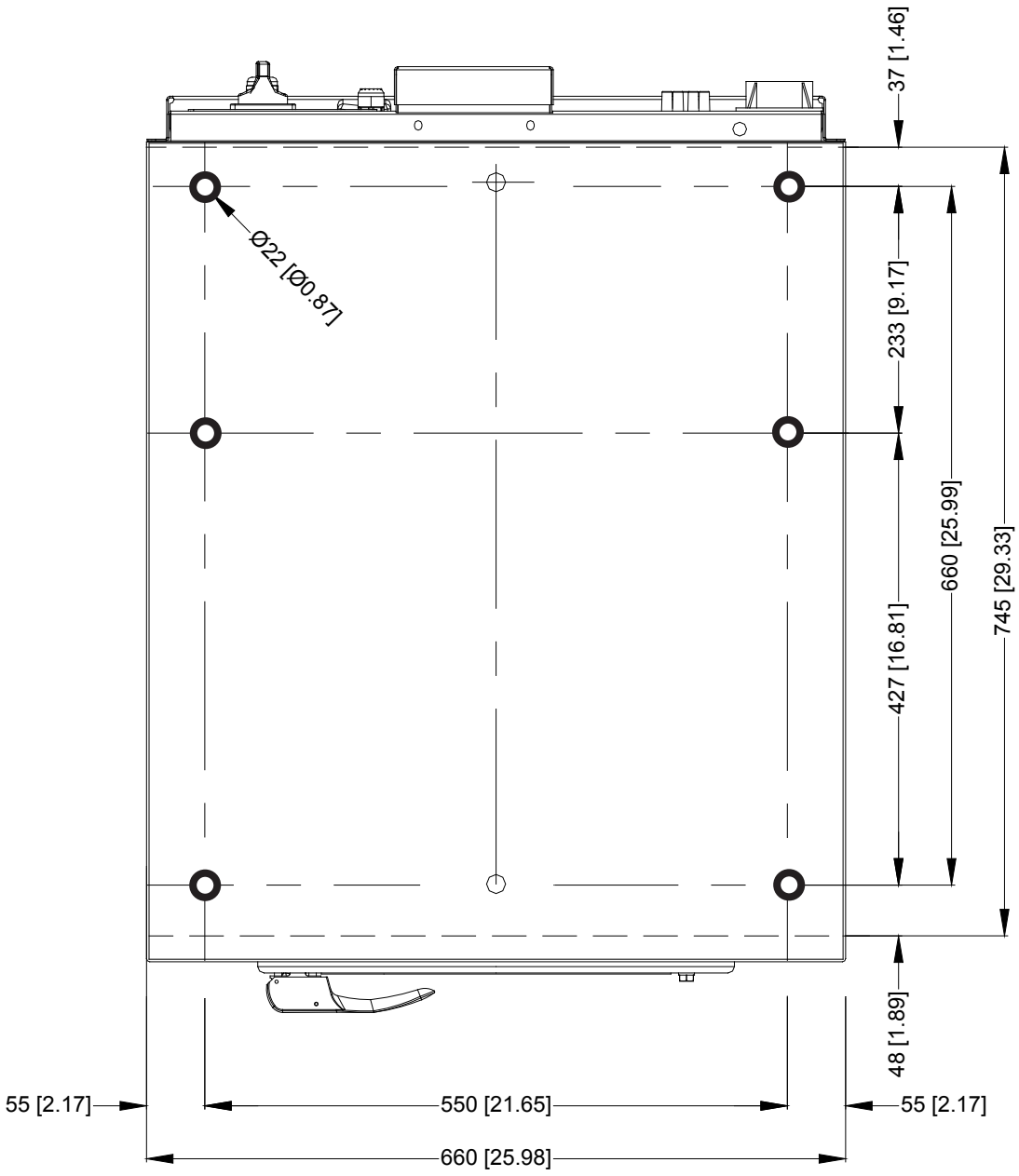
Mounting Bolt Hole Locations for machines, WFF75, IWF074, IWF018, CWF074, CWF018

Legend: metric mm [inches]



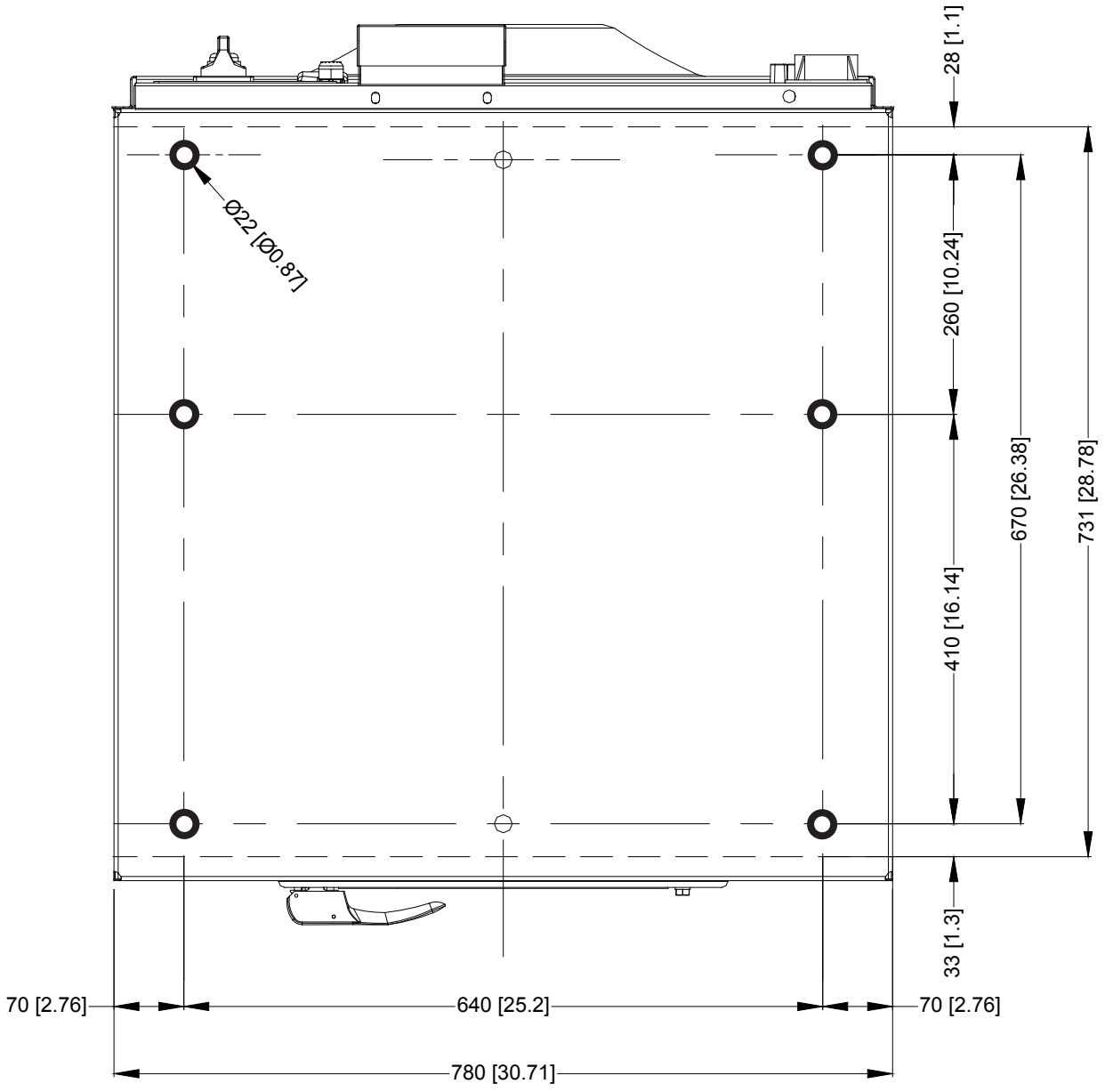
Mounting Bolt Hole Locations for machines, WFF100, IWF100, IWF025, CWF100, CWF025

Legend: metric mm [inches]



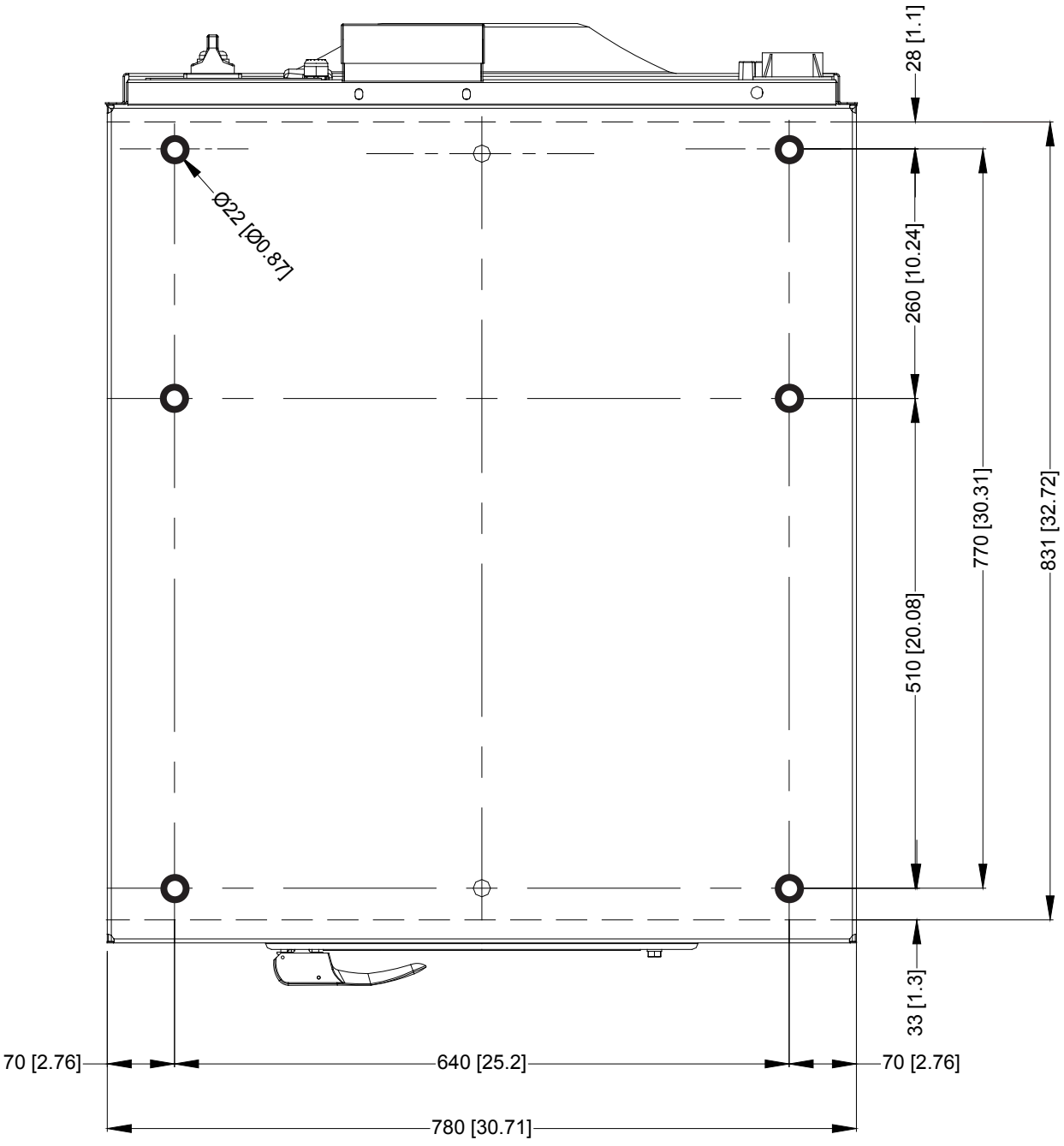
Mounting Bolt Hole Locations for machines, WFF135, IWF135, IWF030, CWF135, CWF030

Legend: metric mm [inches]



Mounting Bolt Hole Locations for machines, WFF165, IWF165, CWF165

Legend: metric mm [inches]



Water connection

The machine is delivered with hoses with 3/4" connections. These hoses fit the water inlet valves of the machine and the main water inlet taps. All the inlet valves have to be connected. To ensure the optimal functioning of the water inlet valves, the water pressure on the inlet should be between 3 and 5 bar (40 and 80 psi). If the pressure is too low, the cycle time will increase considerably.

International inlet flow capacity per minute (gallons / liters): 4.23 / 16.
US inlet flow capacity per minute (gallons / liters): 5.28 / 20.

In case of boiler fed machines, a minimum of hot water of 90°C - 194°F should be available per unit. (See Table 1)

MODEL	Min Contents Boiler	
	METRIC	US
For the WFF65 = WFF65, IWF065, IWF014, CWF065, CWF014	55 l.	1.94 ft³
For the WFF75 = WFF75, IWF074, IWF018, CWF074, CWF018	65 l.	2.29 ft³
For the WFF100 = WFF100, IWF100, IWF025, CWF100, CWF025	80 l.	2.82 ft³
For the WFF135 = WFF135, IWF135, IWF030, CWF135, CWF030	100 l.	3.53 ft³
For the WFF165 = WFF165, IWF165, CWF165	120 l.	4.23 ft³

Table 1

To comply with the WRAS water regulations: an 'approved' single check valve or some other no less effective backflow prevention device shall be fitted at the point of connection(s) between the supply and the fitting (IRN R150).

WRAS APPROVED PRODUCT

Water drain

The machine is equipped with a drain valve with 2" outer diameter (50 mm). This drain valve should be connected to the drain by means of the drain elbow which is delivered with the machine.

- ❏ The diameter of the main drain should be adapted to the water flow and the number of machines. It should be sufficient to handle at least 80L/min - 21.13 gal./min per machine.
- ❏ It is necessary to connect the main drain at least on one side to an open air-brake to allow ventilation.

Electrical Installation

Important

Electrical ratings are subject to changes. Refer to serial plate decal for electrical ratings information specific to your machine.

	**WARNING**
Hazardous Voltage. Can cause shock, burn or cause death. Allow machine power to remain off for two minutes prior to working in and around AC inverter drive.	

	**WARNING**
Hazardous Voltage. Can cause shock, burn or death. Verify that a ground wire from a proven earth ground is connected to the lug near the input power block on this machine.	

The AC inverter drive requires a clean power supply free from voltage spikes and surges. If a transformer or generator is connected to the building's power supply, always install line reactors before the terminal block connections to the machine. A voltage monitor should be used to check incoming power. The customer’s local power company may provide such a monitor.

If input voltage measures above 240V for a 220V drive or above 480V for a 400V drive, ask the power company to lower the voltage. As an alternative, a step-down transformer kit is available from the distributor.

The AC drive provides overload protection for the drive motor. However, a separate single or three-phase circuit breaker must be installed for complete electrical overload protection. This prevents damage to the motor by disconnecting all legs if one should be lost accidentally. Check the data plate on the back of the washer-extractor or consult Table 2 through 7 for circuit breaker requirements.

IMPORTANT: Do NOT use fuses in place of a circuit breaker.

For installation in the United States or Canada, branch circuit protection must be provided according to National and Local Codes. The branch circuit breaker must be of the inverse time or instantaneous trip type at the values given in the technical specifications for each machine.
Use a circuit breaker of the minimal type of 10kA interrupt current.

CAUTION
Do not use a voltage or phase converter on any variable speed machine.

The washer-extractor should be connected to an individual branch circuit not shared with lighting or another electrical device.

- In accordance with legal regulations, every machine must be protected with an earth leakage circuit breaker of 30mA.
- The earth leakage circuit breaker, which one uses, must be of the type SI.
- For countries outside the European Community, the usual safety instructions must be observed.

The connection should be shielded in a liquid tight or approved flexible conduit with proper conductors of correct size installed in accordance with the National Electric Code or other applicable codes. The connection must be made by a qualified electrician using the wiring diagram provided with the washer-extractor, or according to accepted European standards for CE-approved equipment.

Use wire sizes indicated in Table 2 through 7 for runs up to 50 feet.

Use next larger size for runs of 50 to 100 feet. Use two sizes larger for runs greater than 100 feet.

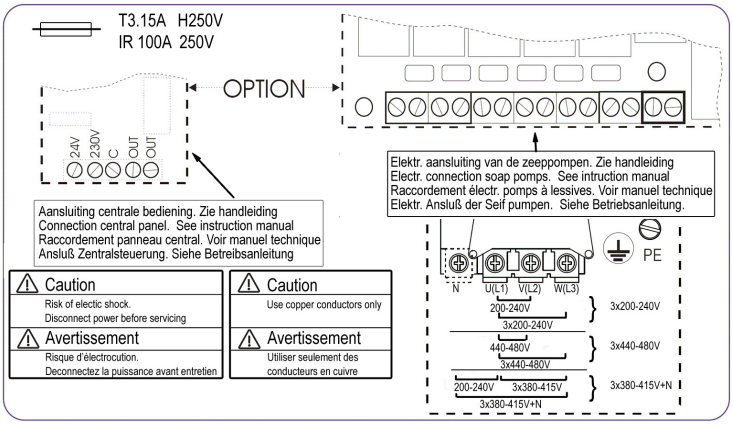
For personal safety and proper operation, the washer-extractor must be grounded in accordance with state and local standards. If such standards are not available, grounding must conform to the National Electric Code, article 250-95. The ground connection must be made to a proven earth ground, not to a water pipe, gas pipe, or another metal pipe. Provide the necessary equipotential connections according to the local electrical prescriptions.

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.

IMPORTANT: Alliance Laundry Systems Warranty does not cover components that fail as a result of improper input voltage.

Main power connection



Label 4

Connection label:

Machine power connections are made at the back of the machine. Three or four conductor power cable is the recommended method (See chapter electrical specs for minimum cable requirements, if local electrical codes exceed these requirements, follow local codes). The number of conductors in this cable and the proper connection points for the cable wires shall be determined by the machine and power requirements. All machines must have a ground wire and be properly grounded. The ground wire must be insulated with a green/yellow color. This wire is normally within the power cable but can also be a separate wire run along side the power cable if properly sized.

Never run a machine that does not have a ground wire. This ground wire must be connected to the machine grounding lug found near the main switch. This lug is identified with the international “protective earth” symbol and the letters “PE”. Failure to connect this ground wire can lead to an unsafe machine condition leading to machine damage and/or operator injury or death. This wire must be connected to earth ground at far end.

Machine Power Cable Connections:

Remove main switch cover plate at back of machine (see chapter dimensions part (F)). Run power cable through the cabinet knock-out located directly below the cover plate. Before installing, obtain and install a cord-grip to hold the cable in place. Never rely upon the electrical connections to hold cable in place. Allow some slack in this cable outside of the machine to form a drip-loop between the supply power circuit breaker and the machine knock-out. Connect power cable wires as directed below. Always connect the ground wire first and remove last.

Wiring based on the supply power and machine design (voltage/frequency):

440-480 Volts, 3-Phase, 3-wire or 4-wire + PE, 50 or 60 Hertz Configuration (Named: N-Voltage):

With supply power of: 440-480 Volts, 3-phase, 3-wire, after connecting the green/yellow PE ground wire, connect one wire to each of the bottom terminals of the power contactor switch marked: “L1,L2,L3”. When this supply power has four wires, connect this 4th wire, identified as a neutral wire, to the bottom terminal of the auxiliary contactor on the power contactor switch marked: “N”. Connect the remaining power wires as first noted.

380-415 Volts, 3-Phase, 4-wire + PE, 50 or 60 Hertz Configuration (Named: P-Voltage):

With supply power of: 380-415 Volts, 3-phase, 4-wire, after connecting the green/yellow PE ground wire, follow the directions of the four wire system for 440-480 Volt configuration.

200-240 Volts, 3-Phase, 3-wire + PE, 50 or 60 Hertz Configuration (Named: Q-Voltage or 3-phase X-Voltage):

With supply power of: 200-240 Volts, 3-phase, 3-wire, after connecting the green/yellow PE ground wire, connect one power wire to each of the terminals at the bottom of the power contactor switch marked: “L1,L2,L3”.

200-240 volts, 1-Phase, 2-wire + PE, 50 Hertz (called 1-phase, 50 Hz X-voltage):

With supply power of: 200-240 Volts, 1-phase, 2-wire, 50Hz, after connecting the green/yellow PE ground wire, connect the power wire to the “L1” bottom terminal of the power contactor switch and the other wire, identified as the neutral wire, to the bottom terminal of the auxiliary contactor on the power contactor switch marked: “N”.

200-240 volts, 1-Phase, 2-wire + PE, 60 Hertz (called 1-phase, 60 Hz X-voltage):

With supply power of: 200-240 Volts, 1-phase, 2-wire, 60Hz, after connecting the green/yellow PE ground wire, connect one power wire to the “L1” and power wire to the “L2” of the bottom terminals of the power contactor switch.

❑ After connection, check the ***spin direction***. The cylinder must spin in the ***clockwise direction***.
A wrong spin direction can damage the motor and can also cause water to spurt from the soap dispenser.

❑ In case of ***wrong spin direction:*** switch the terminal clamps of the motor circuit “R” and “S” of the connecting cable or change the connection at the terminal block switching the L1 and L2 wires.

	WARNING
The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.	

Electrical Specifications WFF65, IWF065, IWF014, CWF065, CWF014

65 liters / 14 pounds													
					Boiler Fed/Steam Heat				Electric Heat				
Code	Voltage	Cycle	Phase	Wire	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2	kW Standard Heating Elements	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2
						US	NON-US				US	NON-US	
N	440-480	50/60	3	3+PE	3	10	10	14/2.5	3x2 kW	12	15	16	14/2.5
P	380-415	50/60	3	3+N+PE	7	15	16	14/2.5		16	20	20	12/4.0
Q	200-240	50/60	3	3+PE	7	15	16	14/2.5		23	30	32	10/6.0
X	200-240	50/60	1/3	2/3+PE	7	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alternative Electric Heat Options				
N	440-480	50/60	3	3+PE					3x1.4 kW	N/A	N/A	N/A	N/A
P	380-415	50/60	3	3+N+PE						13	15	16	14/2.5
Q	200-240	50/60	3	3+PE						18	20	20	12/4.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					3x3 kW	N/A	N/A	N/A	N/A
P	380-415	50/60	3	3+N+PE						21	30	32	10/6.0
Q	200-240	50/60	3	3+PE						30	40	40	8/10.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 2

WARNING

The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

Electrical Specifications WFF75, IWF074, IWF018, CWF074, CWF018

75 liters / 18 pounds													
					Boiler Fed/Steam Heat				Electric Heat				
Code	Voltage	Cycle	Phase	Wire	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2	kW Standard Heating Elements	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2
						US	NON-US				US	NON-US	
N	440-480	50/60	3	3+PE	3	10	10	14/2.5	3x2 kW	12	15	16	14/2.5
P	380-415	50/60	3	3+N+PE	7	15	16	14/2.5		16	20	20	12/4.0
Q	200-240	50/60	3	3+PE	7	15	16	14/2.5		23	30	32	10/6.0
X	200-240	50/60	1/3	2/3+PE	7	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alternative Electric Heat Options				
N	440-480	50/60	3	3+PE					3x1.4 kW	N/A	N/A	N/A	N/A
P	380-415	50/60	3	3+N+PE						13	15	16	14/2.5
Q	200-240	50/60	3	3+PE						18	20	20	12/4.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					3x3 kW	N/A	N/A	N/A	N/A
P	380-415	50/60	3	3+N+PE						21	30	32	10/6.0
Q	200-240	50/60	3	3+PE						30	40	40	8/10.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					3x4 kW	20	30	25	10/6.0
P	380-415	50/60	3	3+N+PE						24	30	30	10/6.0
Q	200-240	50/60	3	3+PE						N/A	N/A	N/A	N/A
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 3

	**WARNING**
The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.	

Electrical Specifications WFF100, IWF100, IWF025, CWF100, CWF025

100 liters / 25 pounds													
					Boiler Fed/Steam Heat				**Electric Heat**				
Code	Voltage	Cycle	Phase	Wire	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2	kW Standard Heating Elements	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2
						US	NON-US				US	NON-US	
N	440-480	50/60	3	3+PE	3	10	10	14/2.5	3x3 kW	17	20	20	12/4.0
P	380-415	50/60	3	3+N+PE	7	15	16	14/2.5		21	30	32	10/6.0
Q	200-240	50/60	3	3+PE	7	15	16	14/2.5		30	40	40	8/10.0
X	200-240	50/60	1/3	2/3+PE	7	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alternative Electric Heat Options				
N	440-480	50/60	3	3+PE					3x1.4 kW	N/A	N/A	N/A	N/A
P	380-415	50/60	3	3+N+PE						13	15	16	14/2.5
Q	200-240	50/60	3	3+PE						18	20	20	12/4.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					3x2 kW	N/A	N/A	N/A	N/A
P	380-415	50/60	3	3+N+PE						16	20	20	12/4.0
Q	200-240	50/60	3	3+PE						23	30	32	10/6.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					3x4 kW	20	30	25	10/6.0
P	380-415	50/60	3	3+N+PE						24	30	30	10/6.0
Q	200-240	50/60	3	3+PE						N/A	N/A	N/A	N/A
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 4

	**WARNING**
The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.	

Electrical Specifications WFF135, IWF135, IWF030, CWF135, CWF030

135 liters / 30 pounds													
					Boiler Fed/Steam Heat				Electric Heat				
Code	Voltage	Cycle	Phase	Wire	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2	kW Standard Heating Elements	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2
						US	NON-US				US	NON-US	
N	440-480	50/60	3	3+PE	4	10	10	14/2.5	6x2 kW	21	30	30	10/6.0
P	380-415	50/60	3	3+N+PE	12	15	16	14/2.5		30	40	40	8/10.0
Q	200-240	50/60	3	3+PE	12	15	16	14/2.5		42	50	50	8/10.0
X	200-240	50/60	1/3	2/3+PE	12	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alternative Electric Heat Options				
N	440-480	50/60	3	3+PE					3x3 kW + 3x2 kW	26	30	30	10/6.0
P	380-415	50/60	3	3+N+PE						34	40	40	8/10.0
Q	200-240	50/60	3	3+PE						50	60	60	6/16.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					6x3 kW	30	40	40	8/10.0
P	380-415	50/60	3	3+N+PE						38	50	50	8/10.0
Q	200-240	50/60	3	3+PE						57	70	70	4/25.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 5

WARNING

The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

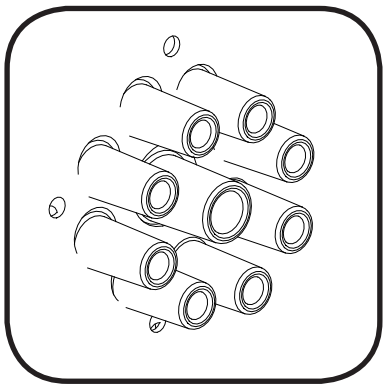
Electrical Specifications WFF165, IWF165, CWF165

165 liters / 35 pounds													
					Boiler Fed/Steam Heat				Electric Heat				
Code	Voltage	Cycle	Phase	Wire	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2	kW Standard Heating Elements	Full Load Amps	Recommended Circuit Breaker (US-market)		AWG/mm2
						US	NON-US				US	NON-US	
N	440-480	50/60	3	3+PE	4	10	10	14/2.5	6x3 kW	30	40	40	8/10.0
P	380-415	50/60	3	3+N+PE	12	15	16	14/2.5		38	50	50	8/10.0
Q	200-240	50/60	3	3+PE	12	15	16	14/2.5		57	70	70	4/25.0
X	200-240	50/60	1/3	2/3+PE	12	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alternative Electric Heat Options				
N	440-480	50/60	3	3+PE					3x3 kW + 3x2 kW	26	30	30	10/6.0
P	380-415	50/60	3	3+N+PE						34	40	40	8/10.0
Q	200-240	50/60	3	3+PE						50	60	60	6/16.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					3x3 kW + 3x4 kW	34	40	40	8/10.0
P	380-415	50/60	3	3+N+PE						53	60	60	6/16.0
Q	200-240	50/60	3	3+PE						N/A	N/A	N/A	N/A
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					6x2 kW	21	30	30	10/6.0
P	380-415	50/60	3	3+N+PE						30	40	40	8/10.0
Q	200-240	50/60	3	3+PE						42	50	50	8/10.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE					6x4 kW	39	50	50	8/10.0
P	380-415	50/60	3	3+N+PE						47	60	60	6/16.0
Q	200-240	50/60	3	3+PE						N/A	N/A	N/A	N/A
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 6

Liquid soap connection (option)

Connection of the liquid soap hoses



Label 5

The liquid soap connection consists of ***8 connections for liquid soap*** (See Label 5).

The central opening is used for ventilation.

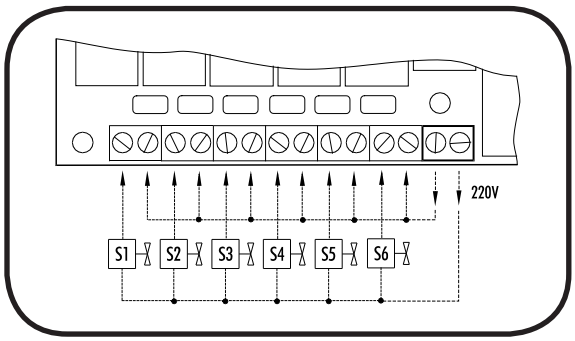
	WARNING
	Dangerous Chemicals. May damage eyes and skin. Wear eye and hand protection when handling chemicals; always avoid direct contact with raw chemicals. Read the manufacturer's directions for accidental contact before handling chemicals. Ensure an eye-rinse facility and an emergency shower are within easy reach. Check at regular intervals for chemical leaks.

CAUTION
Drill out plugs and nipples before making supply hose connection. Failure to do so can cause buildup of pressure and risk a tubing rupture.

Electrical connection of the liquid soap pumps

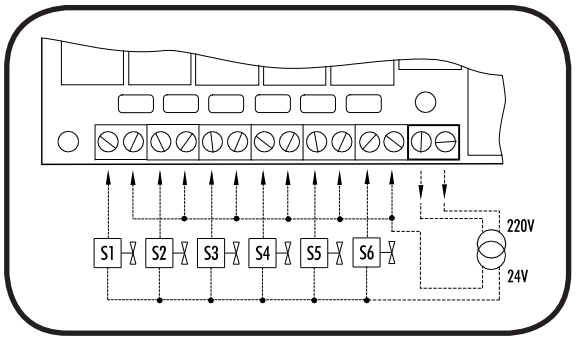
On machines equipped with a liquid soap connection, connect the wires ***directly on the print board*** next to the ground wire connection (option). Connect as indicated on the wiring diagram.

The two connectors on the right give a tension of 220V ~ (max. 4A) which can be applied to drive 220V ~ soap pumps. If more than ***4A*** is required, ***an external tension*** will have to be used. ***6*** connections have been provided, of which one (***S6***) can be used to drive a waterproofing pump (e.g. for rain coats, etc.). (See Label 6)



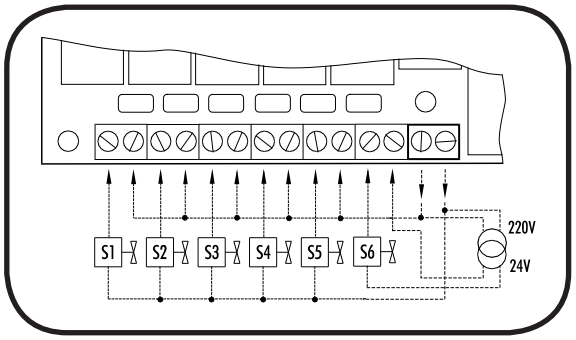
Label 6

The 220V can be transformed to other values to drive other type soap pumps.
Example: pumps 24V ~. (See Label 7)



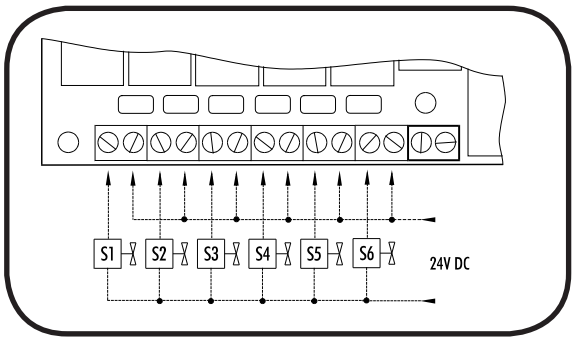
Label 7

Also, pumps with different operating tension can be combined.
Example: 5 pumps 220V ~ and 1 pump 24V ~. (See Label 8)



Label 8

With an external tension 24V DC (See Label 9)



Label 9

Connection of a central operating panel for coin machines (option)

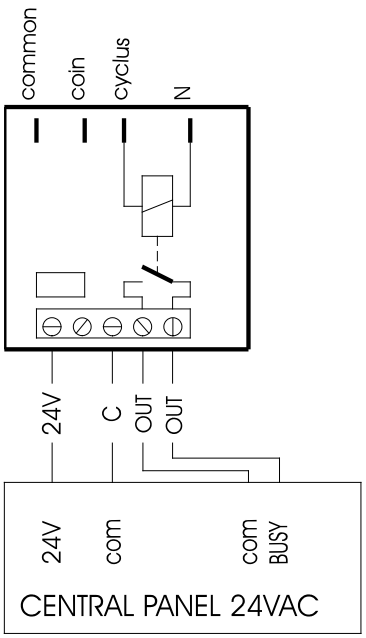
	WARNING
To reduce the risk of electric shock, disconnect this appliance from the power supply before attempting any user maintenance. Turning the controls to the OFF position does not disconnect this appliance from the power supply.	

At the backside above the main connectors, you find a printboard, to which the central operating panel for coin machines can be connected.

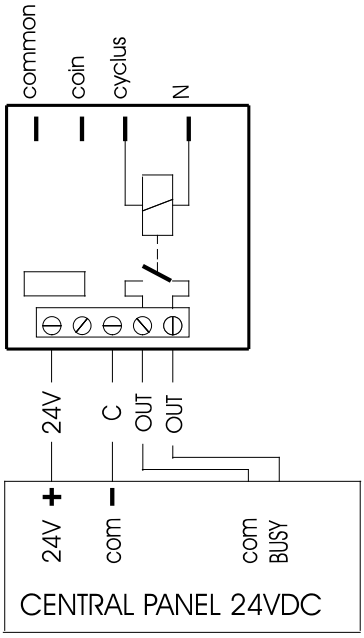
The right connectors form a potential free output contact as a result of which the operating panel detects when the machine is activated or not.

The left connectors receive the signal, by means of which a machine is chosen through the operating panel.

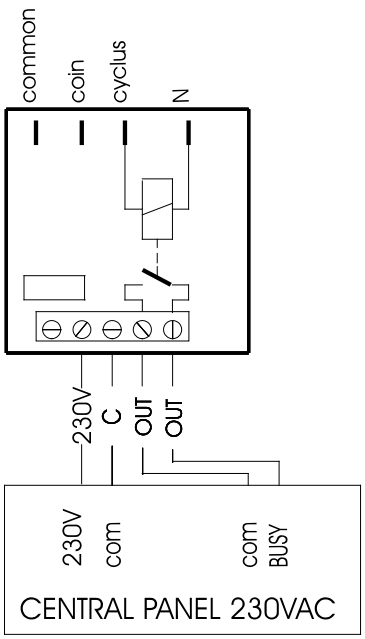
There are 3 different variations possible according to the output voltage of the operating panel. (See Labels 10, 11 and 12)



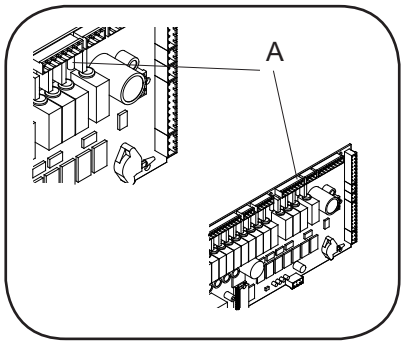
Label 10



Label 11



Label 12



Label 13

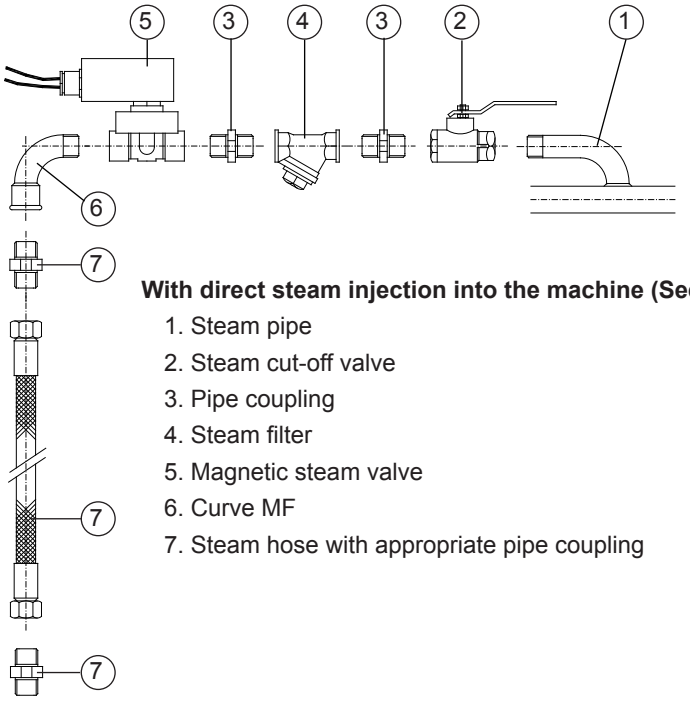
IMPORTANT:

If a machine is equipped with this kind of printboard or if a printboard has been built in, the ***resistance of the cycle contact (A) may no longer be present*** on the main printboard. (See Label 13)

When this resistance is present, it has to be cut out of the main printboard.

	WARNING
Never touch internal or external steam pipes, connections, or components. These surfaces can be extremely hot and will cause severe burns. The steam must be turned off and the pipe, connections, and components allowed to cool before the pipe can be touched.	

Machines with steam heating must have a steam valve between the steam installation and the machine.



With direct steam injection into the machine (See Table 7)

1. Steam pipe
2. Steam cut-off valve
3. Pipe coupling
4. Steam filter
5. Magnetic steam valve
6. Curve MF
7. Steam hose with appropriate pipe coupling

Steam Supply Information						
MODEL	Steam inlet connection, inch	Number of steam inlets	Recommended pressure, bar	Recommended pressure, psi	Maximum pressure, bar	Maximum pressure, psi
For the WFF65 = WFF65, IWF065, IWF014, CWF065, CWF014	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the WFF75 = WFF75, IWF074, IWF018, CWF074, CWF018	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the WFF100 = WFF100, IWF100, IWF025, CWF100, CWF025	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the WFF135 = WFF135, IWF135, IWF030, CWF135, CWF030	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the WFF165 = WFF165, IWF165, CWF165	3/8	1	2.0 - 5.5	30 - 80	5.5	80

Table 7

Internal connections of the electrical heating

1 AC

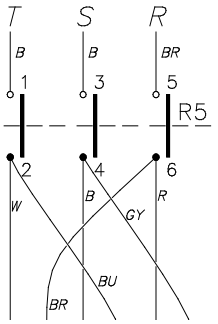
Heating	R5
3kw	LC1D0901

Table 8

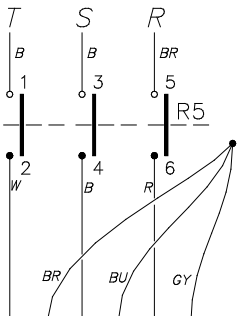
3 AC

Heating		3x230V	R5	3x400V	R5
4,2kw	3x1,4kw	See label 14	LC1D0901	See label 15	LC1D0901
6kw	3x2kw	See label 14	LC1D0901	See label 15	LC1D0901
9kw	3x3kw	See label 14	LC1D1810	See label 15	LC1D0901
12kw	3x4kw	--------	--------	See label 14	LC1D0901
12kw	3x2kw 3x2kw	See label 14 See label 14	LC1D1810 LC1D1810	See label 15	LC1D0901
15kw	3x2kw 3x2kw	See label 14 See label 14	LC1D1810 LC1D1810	See label 15	LC1D1810
18kw	3x3kw 3x3kw	See label 14 See label 14	LC1D1810 LC1D1810	See label 15	LC1D1810
21kw	3x3kw 3x4kw	--------	--------	See label 15 See label 14	LC1D1810 LC1D1810
24kw	3x4kw 3x4kw	--------	--------	See label 14 See label 14	LC1D1810 LC1D1810

Table 9



Label 14



Label 15

B = Black	Br = Brown
Gy = Grey	Bu = Blue
R = Red	W = White

NOTE:

Other executions are available as options.

Maintenance instruction of the machine

	WARNING
	To reduce the risk of electric shock, disconnect this appliance from the power supply before attempting any user maintenance. Turning the controls to the OFF position does not disconnect this appliance from the power supply. **Before starting wiring or inspection, power must be switched OFF, check to make sure that the operation panel indicator is off.** **Any person who is involved in wiring or inspection shall wait for at least 10 minutes after the power supply has been switched OFF and check that there is no residual voltage using a tester or the like. The capacitor of the inverter or the EMC filter is charged with a high voltage for some time after power OFF, and it is dangerous.**

End of day

❑ Clean AC drive filter:

a. Snap off external plastic cover which contains filter.

b. Remove foam filter from cover.

c. Wash filter with warm water and allow to air dry. Filter can be vacuumed clean.

General maintenance

❑ Clean the entire cabinet of the machine regularly and remove all traces of soap, etc....

❑ Remove all detergent residue in the soap dispenser with hot water.

❑ Clean the door gasket and remove all detergents and other products.

❑ Shut off the main water, steam, and power connections at the end of each day. Do not change the setting of the water inlet taps on boiler fed machines once these have been installed.

❑ It is recommended to leave the door and soap dispenser open after use, to ventilate the machine.

❑ Check for proper door lock operation on a daily basis.

Periodical maintenance

❑ The V-belts of the motors should be retightened after two to three months when first used. This is necessary because these belts are subject to a one-time stretching when first used. ***If this is not done,*** the belt starts to slip after a few months and will break shortly afterwards.

❑ Check the water inlet filters to make sure they are not blocked by calcification.

❑ Check the drain valve for obstructions.

❑ If a machine frequently skips the final spin, check whether the probe of the out of balance switch is still in the appropriate position, that is horizontally centered and vertically 1/3 from the bottom inside the window. (When the drum is empty).

❑ Lubricate the bearings after every 200 hours of operation or replace the automatic lubricator annually.

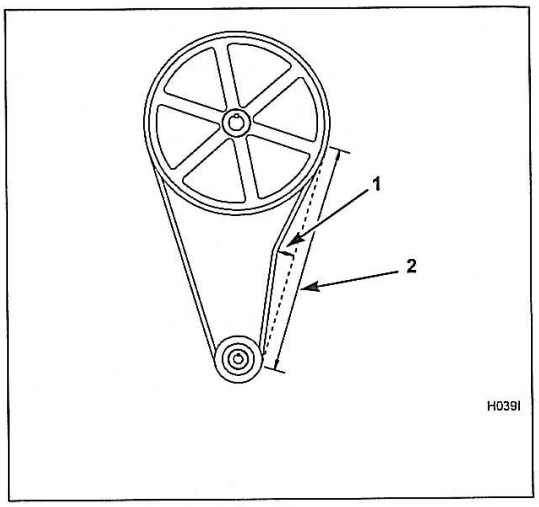
Annual maintenance

Belt tension:

❑ Verify that the belts are running in the middle of the basket pulley.

❑ Verify the belt tension according to the table below. Belt tension measurements should be taken as close as possible to the center of the belt span (see figure).

Belt tension testing table								
Model	**Belt**	**Frequency (Hz)**		**Tension force (N)**		**Deflection (mm)**		**Deflection force**
		MIN	MAX	MIN	MAX	at MIN tension	at MAX tension	MAX
WFF65	PJ8 1355	98	103	301	332	8,8	7,9	40
WFF75	PJ8 1355	98	103	301	332	8,8	7,9	40
WFF100	PJ8 1355	98	103	301	332	8,8	7,9	40
WFF135	PK7 1520	65	69	425	489	11,5	10,8	53
WFF165	PK7 1520	65	69	425	489	11,5	10,8	53



1 Deflection
2 Span length

Contact Information

Nameplate

Nameplate Location

The nameplate is located at the rear of the machine. Always provide the machine's serial number and model number when ordering parts or when seeking technical assistance. See labels 16 and 17.

Type:	WFF 75C	Nr:	07110WD0339
Voltage:	3 ~ 400V 50Hz	Weight:	181 kg
Motor:	0.55kW 2.5A	Capacity:	73 L
Heating:	9 kW 16 A	Dry load:	7,3 kg
Total:	9.55 kW	Drum:	530 mm
Kinetic energy:	592 Nm	Speed:	700 rpm
Manufactured in:	2007		

Water pressure: min. 2,07 max. 5,86 Kg/cm² / min. 20,7 max. 58,6 N/cm² — IPX4

sfc: 741837

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IPSO

CE

Label 16

Model No:	IWF018MNMX10U01	Serial No:	0710WD0152
Volts|Hertz:	208-240|50/60	Type:	WFF 75
Phase:	1-3		
Amps:	6 amps	Capacity:	18/ 7 lbs/kg
Recommended Circuit Breaker:	15 amps	Water Pressure:	30-85 psi 2.07-5.86 bar
Interrupt Current:	10 kA	Max Speed:	700 rpm
Motor:	1 hp 0,75 kW	Net Weight:	400 lbs 181 kg
Elec Heat:	N/A kW		IPX4
Steam heat:	N/A psi N/A bar		

Alliance International BVBA
Made in Belgium

Alliance Laundry Systems
TEL 1-920-748-3121
www.comlaundry.com

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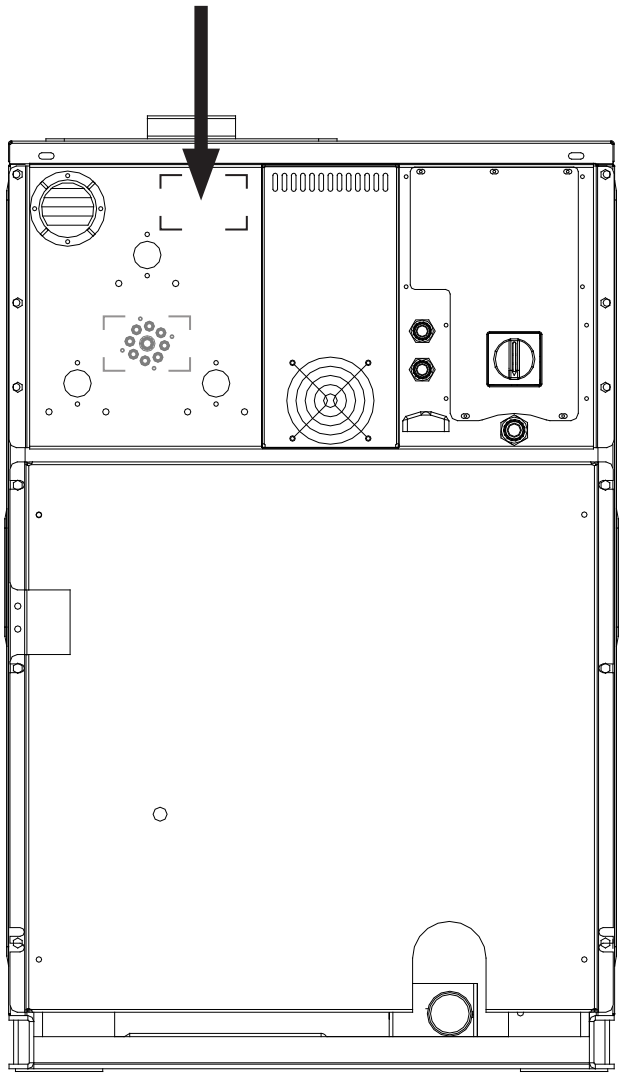
CERTIFIED TO CAN/CSA STD C22.2 NO.169-94

Label 17

Position of the Serialplate



Replacement Parts

If literature or replacement parts are required, contact the source from which the machine was purchased or contact the phone numbers or websites shown on the nameplate.

Repair and after-sales service

❑ In case of important malfunctions and deficiencies, which you cannot resolve yourself, contact your distributor.

Distributor : Name: .....
Address: .....
Tel.: .....

Machine : Type: .....
Program: .....
Date of installation: .....
Installed by: .....
Serial number: .....
Operation voltage and frequency: .....

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