

# MAXIWASH

# MWSI



Washer  
Extractor

**MWSI Series**

MODEL : MWSI-110, MWSI-135,  
MWSI-200, MWSI-275,  
MWSI-300, MWSI-475

# MWSI Series - SOFTMOUNT

**The MaxiWash MWSI Series - Softmount High-Speed Industrial Strength Washer-Extractors for Medium to Large Size On Premises, Commercial and Industrial Laundry Applications, including Resort Hospitality, Health Care and Correctional Facilities**  
*Built to Last-Protecting your Investment*



This is the ultimate freestanding machine for industrial use. The robust design will last for years and the performance has proven to be extremely reliable. The MWSI model is designed and manufactured with quality in mind using fewer parts than any other washer-extractor in the market today, while still maintaining greater flexibility and strength. This is the key to the reliable performance of the machine. Fewer parts mean less to break and service, yielding a low maintenance cost over the life of the machine. The main bearings are located outside the wash solution and will not be damaged should the main seals leak. Tilting, one or two-way, is an option on all machines. The tilt improves productivity and eliminates unloading difficulties. Water reuse, central liquid supply systems and other external devices can easily be connected to the machines making it very versatile for any medium to large size laundry. The freestanding design allows for installation of the machines in unconventional places on upper floors.

The MWSI models are an unsurpassed solution to savings in laundries as drying time, operating time, utility consumption and labor expenses can be reduced significantly while increasing the productivity. Best of all it is surprisingly affordable.

## ***Powerful Control System***

The microprocessor touch screen control center is easy to use and has the features needed for maximum productivity and lowest cost of operation. The microprocessor touch screen controls the temperature, water level, speed and maintenance interval of the machine. A thermal cool down is programmable that will ensure optimal performance for any garments that require special wrinkle control and other special treatments. It can be programmed from the touch screen or with a laptop computer.



The microprocessor touch screen control can be programmed to display in four languages.

It has features for programming any wash activity to meet today and tomorrow's demand for water treatment of textile fiber and garments. It is the most flexible control system yet developed for the stand-alone commercial and industrial washers in the industry and has a proven track record for reliability.

## ***Large Door Opening and Reliable Door Lock***

Loading and unloading are fast and easy through the oversized door that opens 160 degrees away from laundry carts. The door is located at a convenient height for laundry carts. The door is constructed of stainless steel and built with an oversize stainless steel hinge for extra strength and durability. The silicone door gasket is designed for long life and seals to the shell every time without leaking. A powerful and safe electro-mechanical door interlocking system is provided for safe and easy operation.



## ***Supply Dispenser and External Liquid Supply Connection***

A 5 compartment dispenser for both liquid and powder detergents is standard. The dispenser is mounted on the left side of the machine at a convenient height for easy reach. The dispenser is flushed automatically during the wash cycle. All machines are provided as standard with 6 supply signals and liquid connections.



## ***High Speeds save Energy, Time and Money***

A factor that can significantly affect the operation throughput in a laundry is the machine's extraction speed. A machine with a G-force of 350G will save a significant amount of energy and time in the drying process compared to a low speed 80G machine, as more water is extracted from the load during the extraction cycle. In fact, the savings of energy and time can pay for the cost of the equipment! Your dryers would not require to work overtime, either. Goods can even be taken straight from the washer-extractor to an ironer or finisher without slowing down the productivity. The high speed, or G-force, is the driving factor. By utilizing the inverter technology it has been possible to achieve this high-speed extraction in freestanding machines. The inverter automatically measures the out-of-balance electronically and decides if the machine can proceed to high speed, generating a high G-force.



## ***Robust Energy Efficient Drive***

The machine is provided with a single totally enclosed standard motor that is controlled electronically by a variable frequency drive, which makes the machine control simple and very flexible. The inverter reduces the peak energy demand, saving energy and lowers the inrush current. It is also a watchdog for the motor, protecting against overload and over voltage. The single motor drive and inverter eliminates clutches, gear reducers and idlers, plus reduces the use of electro-mechanical components such as contactors and relays. It provides a powerful yet simple drive alternative that is more economical than multi-motor drives. The inverter makes it possible to achieve high extract speeds, which significantly saves energy and time in the drying process.



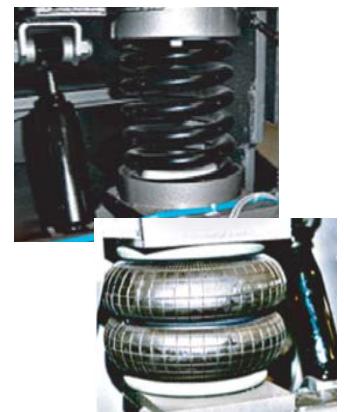
## ***Totally Enclosed High Efficiency Motor***

A hostile duty totally enclosed cast iron motor drives the machine at all speeds. It is completely controlled and protected by the inverter drive. A cooling fan provides continuous airflow to the motor for extra long life.



## ***Freestanding Construction and an Unsurpassed Suspension System***

A freestanding machine built to last at an affordable price plus all the benefits such as reduced installation costs and productivity increases make the MWSI models superior. No need for expensive foundation or floor modifications. A G-force of 320G means less time in the dryer, saving energy and money. Look inside the MWSI models and you discover a dynamically tuned suspension system with heavy springs and industrial shock absorbers. This means lower maintenance costs and super long life. An air cushion suspension design is optional.



## ***Power and Reliability at Work - Bearings and Seals***

The machines are provided with spherical roller bearings mounted in cast steel housings. The bearings are located outside of the wash solution and will not be damaged if the seals leak. The cylinder shaft is constructed from high tensile strength steel and hard chromed for corrosion resistance. Seals are easy to access and replace. V-Belts and heavy-duty pulleys provide a safe and long lasting drive system.



# SPECIFICATION

## Standard Features :

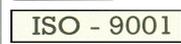
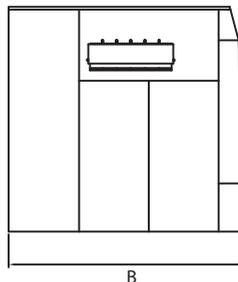
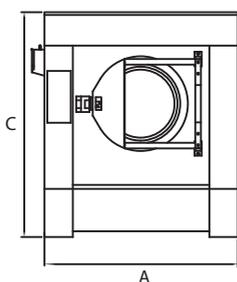
- Heavy duty frame
- Stainless steel panels
- All wetted parts are 304 (18/8) stainless steel
- Air operated door gasket
- Large door opening
- 5 compartment supply dispenser
- 5 external liquid supply connections
- Totally enclosed heavy duty drive motor
- Bearings outside the wash solution
- 3 degree leanback for lower bearing loads
- Heavy duty suspension system
- Cool down
- Water reuse capable

## Optional Features :

- Tilt one way for easy unloading
- Tilt two way for loading and unloading
- Direct steam heating
- Air cushion suspension system
- Water reuse inlet and drain
- EMI filter for CE
- PC programming kit
- 10 external liquid supply connections

MODEL			MWSI-110	MWSI-135	MWSI-200	MWSI-275	MWSI-300	MWSI-475
Units of Measurement	Metric	US						
Maximum Capacity	kg.	lbs.	49.9 (110)	61.2 (135)	90.7 (200)	124.7 (275)	135 (300)	215 (475)
<b>Overall Dimensions :</b>								
A - Machine Width	mm.	inch	1580 (62.2")	1840 (72.4")	1870 (73.6")	2100 (82.7")	2050 (80.7")	2258 (88.9")
B - Machine Depth	mm.	inch	1850 (72.8")	1910 (75.2")	2190 (86.2")	2330 (91.7")	2400 (94.5")	2793 (110")
C - Machine Height at full	mm.	inch	1855 (73.0")	1900 (74.8")	2130 (83.9")	2310 (90.9")	2280 (89.8")	2681 (105.6")
<b>Cylinder Information :</b>								
Basket Diameter	mm.	inch	940 (37")	1092 (43")	1169 (46")	1321 (52")	1321 (52")	1628 (64.1")
Basket Depth	mm.	inch	635 (25")	635 (25")	813 (32")	864 (34")	965 (38")	1028 (40.5")
Basket Volume	cu.m.	cu.ft.	0.44 (15.5)	0.6 (21.2)	0.87 (30.7)	1.18 (41.6)	1.32 (46.6)	2.14 (75.56)
<b>Door Opening and Height :</b>								
Door Opening Diameter	mm.	inch	508 (20")	622 (24.5")	622 (24.5")	724 (28.5")	724 (28.5")	1012 (39.8")
Height of Door Bottom Above Floor	mm.	inch	800 (31.5")	845 (33.3")	900 (35.4")	927 (36.5")	927 (36.5")	1117 (44")
<b>Drive Information :</b>								
Number of Motors	Number		1	1	1	1	1	1
Size of Motor	kW	HP	5.6 (7.5)	7.5 (10)	15 (20)	18.5 (25)	22.5 (30)	30 (40)
<b>Cylinder Speeds (Programmable) :</b>								
Wash	RPM	G-Force	39 (0.8)	36 (0.8)	35 (0.8)	33 (0.8)	33 (0.8)	30 (0.8)
Distribution	RPM	G-Force	62 (2)	64 (2.5)	62 (2.5)	60 (2.6)	60 (2.6)	53 (2.6)
Extract 1	RPM	G-Force	390 (80)	286 (50)	277 (50)	260 (50)	260 (50)	234 (50)
Extract 2	RPM	G-Force	780 (320)	725 (320)	700 (320)	660 (321)	660 (321)	584 (311)
<b>Water Inlet and Consumption :</b>								
Hot Water Size			1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"
Cold Water Size	NPT		1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"
Additional Water Inlet			1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"
Average HOT Water Consumption/Cycle	liters	gal	70 (18)	103 (27)	128 (34)	149 (39)	163 (43)	163 (43)
Average COLD Water Consumption/Cycle	liters	gal	182 (48)	232 (61)	332 (91)	447 (118)	491 (130)	491 (130)
<b>Drain Outlets and Capacity :</b>								
Number of Drains	Standard	Optional	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)
Drain Size	mm.	inch	101.6 (4")	101.6 (4")	101.6 (4")	101.6 (4")	101.6 (4")	152.4 (6")
Drain Capacity	liters/min	gpm	1530 (404)	1643 (434)	1698 (448)	1800 (475)	1800 (475)	1800 (475)
<b>Steam Inlets and Consumption :</b>								
Steam Inlet Connection	NPT		3/4"	3/4"	1"	1"	1"	1 1/4"
Steam Pressure	bar	Psi	8 (125)	8 (125)	8 (125)	8 (125)	8 (125)	8 (125)
Steam Consumption	kg/hr	lb/hr	72 (158)	88 (194)	117 (258)	120 (265)	120 (265)	120 (265)
<b>Compressed Air System :</b>								
Air Inlet Connection	NPT		3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Air Pressure	bar	Psi	5.4-6.7 (80-100)	5.4-6.7 (80-100)	5.4-6.7 (80-100)	5.4-6.7 (80-100)	5.4-6.7 (80-100)	5.4-6.7 (80-100)
<b>Power of Electrical Heating :</b>								
Electrical Power	kW		36	36	48	48	60	N/A
<b>Weight and Shipping Information :</b>								
Net Weight	kg.	lbs.	1892 (4171)	2321 (5117)	3080 (6790)	4174 (9202)	4271 (9416)	7390 (16292)
Domestic Shipping Weight	kg.	lbs.	2008 (4463)	2390 (5269)	3190 (7033)	4254 (9379)	4351 (9592)	7490 (16513)

Specification of design is subject to change without notice. For additional options please consult factory and distributor.



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