



IHSP



Washer
Extractor

IHSP Series

MODEL : IHSP-40, IHSP-50, IHSP-65,
IHSP-75, IHSP-85, IHSP-100,
IHSP-130, IHSP-155, IHSP-185

SPECIFICATION

Standard Features :

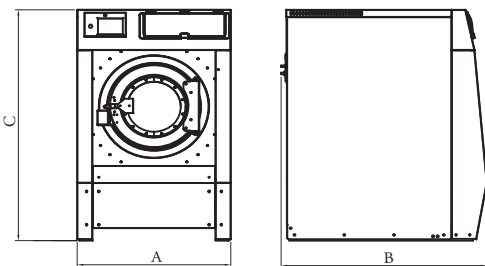
- All wetted parts are 304 (18/8) stainless steel
- 1 compartment supply dispenser
- 5 external liquid supply connections
- Advanced microprocessor
- 350G extract force
- 5 degree lean back for strength and easier loading
- Built in vacuum breaker
- Variable speed frequency inverter
- Stainless steel cabinet
- Single motor drive
- Cool down
- Robust spring suspension with industrial shock absorbers
- Water reuse adaptable

Optional Features :

- Direct steam heating
- Electrical heating
- 5 compartment dispenser
- Water reuse drain and inlet
- EMI filter CE
- PC programming kit
- 10 external liquid supply connections

MODEL			IHSP-40	IHSP-50	IHSP-65	IHSP-75	IHSP-85	IHSP-100	IHSP-130	IHSP-155	IHSP-185
Units of Measurement	Matric	US									
Maximum Capacity	kg.	lbs.	18.1 (40)	22.7 (50)	29.5 (65)	34 (75)	38.6 (85)	45.4 (100)	59 (130)	70 (155)	84 (185)
Overall Dimensions :											
A - Machine Width	mm.	inch	923 (36.3")	923 (36.3")	1003 (39.5")	1003 (39.5")	1203 (47.4")	1203 (47.4")	1387 (54.6")	1465 (57.7")	1540 (60.6")
B - Machine Depth	mm.	inch	1094 (43.1")	1154 (45.4")	1231 (48.5")	1344 (52.8")	1250 (49.2")	1394 (54.9")	1615 (63.6")	1930 (76.0")	1930 (76.0")
C - Machine Height	mm.	inch	1460 (57.5")	1460 (57.5")	1610 (63.4")	1610 (63.4")	1812 (71.3")	1812 (71.3")	1773 (69.8")	1845 (72.6")	1915 (75.4")
Cylinder Information :											
Basket Diameter	mm.	inch	680 (26.8")	680 (26.8")	790 (31.1")	790 (31.1")	920 (36.2")	920 (36.2")	1067 (42")	1092 (43")	1174 (46.2")
Basket Depth	mm.	inch	525 (20.7")	575 (22.6")	595 (23.4")	685 (27.0")	574 (22.6")	718 (28.3")	660 (26")	757 (29.8")	780 (30.7")
Basket Volume	cu.m.	cu.ft.	0.18 (6.29)	0.21 (7.4)	0.27 (9.7)	0.31 (11)	0.38 (13.6)	0.45 (16.04)	0.56 (19.79)	0.68 (23.94)	0.70 (24.66)
Door Opening and Height :											
Door Opening Diameter	mm.	inch	365 (14.4")	365 (14.4")	450 (17.7")	450 (17.7")	510 (20.1")	510 (20.1")	509 (20")	635 (25")	635 (25")
Height of Door Bottom Above Floor	mm.	inch	590 (23.2")	675 (26.6")	680 (26.8")	715 (28.1")	740 (29.1")	740 (29.1")	820 (32.3")	830 (32.7")	870 (34.2")
Drive Information :											
Number of Motors	Number		1	1	1	1	1	1	1	1	1
Size of Motor	kW	HP	2.2 (3)	2.2 (3)	3.7 (5)	3.7 (5)	7.5 (10)	7.5 (10)	7.5 (10)	11 (15)	15 (20)
Cylinder Speeds (Programmable) :											
Wash	RPM	G-Force	46 (0.8)	46 (0.8)	42 (0.8)	42 (0.8)	39 (0.8)	39 (0.8)	36 (0.8)	36 (0.8)	35 (0.8)
Distribution	RPM	G-Force	73 (2)	73 (2)	67 (2)	67 (2)	62 (2)	62 (2)	64 (2.5)	64 (2.5)	62 (2.5)
Extract 1	RPM	G-Force	363 (50)	363 (50)	336 (50)	336 (50)	309 (50)	309 (50)	360 (80)	360 (80)	380 (95)
Extract 2	RPM	G-Force	960 (350)	940 (336)	890 (350)	890 (350)	817 (350)	817 (350)	767 (350)	750 (350)	725 (350)
Water Inlets and Consumption :											
Hot Water Size	NPT		3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1-1/4"
Cold Water Size	NPT		3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1-1/4"
Additional Water Inlet	NPT		3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1-1/4"
Average HOT Water Consumption/Cycle	liters	gal	23 (6)	24 (6)	45 (12)	48 (13)	48 (13)	60 (16)	91 (24)	105 (28)	111 (29)
Average COLD Water Consumption/Cycle	liters	gal	69 (18)	75 (20)	102 (27)	145 (38)	138 (36)	172 (46)	217 (57)	252 (67)	318 (84)
Drain Outlets and Capacity :											
Number of Drains	Standard	Optional	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)
Drain Size	mm.	inch	50.8 (2")	50.8 (2")	76.2 (3")	76.2 (3")	76.2 (3")	76.2 (3")	101.6 (4")	101.6 (4")	101.6 (4")
Drain Capacity	liters/min	gal/min	739 (195)	739 (209)	793 (209)	852 (215)	852 (215)	916 (242)	1625 (429)	1643 (434)	1701 (449)
Steam Inlet and Consumption :											
Steam Inlet Connection	NPT		1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	1"	1"
Steam Pressure	bar	psi	8 (125)	8 (125)	8 (125)	8 (125)	8 (125)	8 (125)	8 (125)	8 (125)	8 (125)
Steam Consumption	kg/hr	lb/hr	63 (139)	79 (174)	94 (206)	121 (266)	127 (280)	149 (328)	182 (402)	217 (477)	256 (564)
Compressed Air System :											
Air Inlet Connection	NPT		N/A	N/A	N/A	N/A	N/A	N/A	3/8"	3/8"	3/8"
Air Pressure	bar	psi	N/A	N/A	N/A	N/A	N/A	N/A	5.4-6.8 (80-100)	5.4-6.8 (80-100)	5.4-6.8 (80-100)
Power of Electrical Heating :											
Electrical Power	kW		12	12	24	24	36	36	36	48	48
Weight and Shipping Information :											
Net Weight (approx.)	kg.	lbs.	541 (1192.7)	569 (1254.4)	607 (1338.2)	635 (1399.9)	750 (1653.5)	1003 (2211.2)	1183 (2608.2)	1943 (4283.6)	2123 (4680.4)
Domestic Shipping Weight (approx.)	kg.	lbs.	564 (1243.4)	592 (1305.1)	633 (1395.5)	661 (1457.3)	776 (1710.8)	1037 (2286.2)	1233 (2718.3)	1996 (4400.4)	2200 (4850.2)

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



ISO 9001 : 2008

ISO 13485 : 2016

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IHSP Series - SOFTMOUNT

The Ironhorse IHSP Series - Softmount High-Speed Professional Washer - Extractors for Small to Medium Size Demanding On - Premise Laundry Applications, including Health Care, Hospitality and Drycleaners/ Wet Cleaning.

The IHSP Series - Outstanding Reliability and Efficiency at an Affordable Price

The IHSP series is a breakthrough for suspended freestanding washer-extractors. The advanced technological features used in this model have made it possible to make a machine that is easy to manufacture and operate at low cost. This is achieved without reducing the quality of the product or the performance. The high speed (G-force) brings down the moisture retention to levels that save significant amounts of energy and time. Labor cost will be reduced and productivity will increase. The MWSP models generate G-forces almost 4 times greater than conventional standard "Hardmount" machines. The suspension system is soft and absorbs the majority of the vibrations transferred to the floor. The 5 degree lean back of the cylinder will significantly reduce the balance problems and reduce the load on the shaft and bearings increasing the life expectancy. The freestanding models reduce and eliminate variables associated with the installation of "Hardmount". In comparison with "Hardmount" machines the installation cost is minimal because of the fact that there is no need for concrete foundations, waiting for curing, grouting or hole drilling.

A freestanding machine can be setup and running in a matter of hours while a "Hardmount" machine, that requires concrete and grouting, can take weeks before they are ready to start up. The MWSP models can be installed in the most unconventional locations including upper floors in high buildings with little or no preparation and cost. They can freely be moved to other places in the laundry site should it be necessary to relocate or expand the operation. All these features make the MWSP models surprisingly affordable to install and the savings could pay for the machines in short time. The MWSP models are the ultimate solution to savings in laundries as drying time, operating time, utility consumption and labor expenses can be reduced significantly while increasing the productivity.

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 Safe Door Interlock

Loading and unloading are fast and easy through the oversized door that opens 165 degrees. The door is constructed of stainless steel, supported with a highly durable stainless steel hinge design and located at a convenient height for laundry carts.

MWSP Series Washer Extractors with capacities up to 100 lbs are assembled with a silicone door gasket is designed for long life and seal to the shell every time without leaking. Also, MWSP Washer Extractors with capacities up to 100 lbs has a powerful, safe and easy to operate electro-mechanical door interlocking system. Washer Extractors with capacities over 100 lbs has a silicone door gasket that is safely pneumatically pressured providing extra sealing strength. Furthermore, MWSP Washer Extractors with capacities over 100 lbs are equipped with a highly robust, yet easy to operate mechanical-pneumatic door interlocking system.



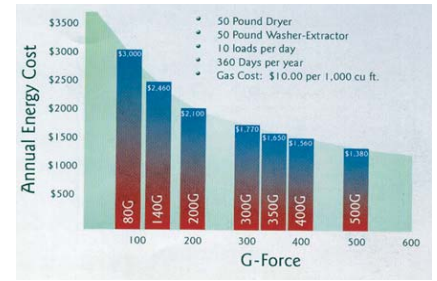
MWSP-40, 50, 65, 75, 85, 100



MWSP-130, 155, 185

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.



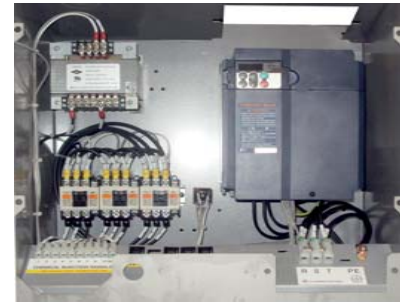
Supply Dispenser and External Liquid Supply Connection

Machines connected to a central liquid system have a single compartment supply dispenser as standard. A five compartment dispenser is optional for machines using powder chemicals. The dispenser is mounted in the front of the machine at a convenient height for easy reach. The location of the dispenser allows machines to be placed next to each other. The dispenser is flushed automatically. All machines are provided with five supply signals and liquid connections as standard.



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.



Freestanding Construction

A freestanding machine at hardmount pricing, plus all the benefits such as reduced installation costs and productivity increase, make the MWSP models superior. No need for expensive foundation or floor modifications. A G-force of 350G means less time in the dryer, saving energy and money. Look inside the MWSP models and you discover a suspension system that is unsurpassed with heavy springs and industrial shock absorbers. This means lower maintenance costs and a super long machine life.



Solid Bearing Housing

Rugged cast iron construction is used in our single durable bearing housing. The single bearing housing increases the structural integrity and provides for a longer bearing and seal life. The revolutionary special application bearing used in the machine is the ultimate long-life solution for high-speed washers that the industry has been searching for. The shaft is made of high tensile strength steel that meets the high standards used for load calculation of bearings and shaft. Two double lip seals and face seals protect the bearings. The seals as well as the bearings can be greased manually, yielding longer life. The machines have a provision for easy installation of automatic lubricators. Should the seals leak, the main bearings will not be damaged, thanks to an extra large leak off area in the bearing housing. A large leak off area is the answer to long bearing life, as water cannot enter the bearings.

