

## Hot water heavy-duty petrol and diesel pressure washers

The MH PE/DE is a comprehensive range of petrol and diesel powered hot water models for professional use in areas where electrical source is not available. Models can also typically draw water from tanks, wells or rivers giving a high level of use autonomy. The MH PE/DE range offers ideal solutions for hot water cleaning in construction and industrial segments, or by contract cleaners or public authorities.





The MH PE/DE exists in both mobile or trailer-mountable units and offer high efficiency, low cleaning costs and ease of use. A wide range of pump versions exist - either with direct drive or with belt drive of the pumps.

- EcoPower boiler with > 92% efficiency with reduced running costs
- Slow running pumps either by belt drive or by direct gear reduction
- Integrated fuel tank
- Easy to use control panel
- Ergo accessory concept
- Honda petrol motors and Yanmar diesel engines
- Mobile units or trailer mounted
- Easy transport by forklift truck
- Low pump oil safety function
- Easy oil drain from pump and motor reduces maintenance costs
- Anti-calc/ water break tank as an option
- Optional wheel kit for larger models









Picture shown may not represent model quoted

• Standard equipment

Included accessories	Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
<b>Ergo System Coupling and Adapter</b>					
 ERGO COUPLING KIT	101119496	1	•	•	•
<b>High Pressure Female Coupling</b>					
 HOSE NOZZLE 20R3/4	61369	1	•	•	•
<b>High Pressure Hose, DN8</b>					
 HOSE DN8 1 WIRE 15M W.ERGO FEMALE COUPL.	301001100	1	•	•	
<b>High Pressure Hose, DN10</b>					
 HP HOSE DN10 15000 AGR-AGR	1402064	1			•
<b>Spray Gun</b>					



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Included accessories	Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
 ERGO 2000 STANDARD W. HOSE SWIVEL	106403122	1	•	•	•
<b>Tornado Lance</b>					
 TORNADO PLUS 1120 BEND W/O NOZZLE	106403010	1	•	•	•
<b>Tornado Nozzle with Indication Ring</b>					
 NOZZLE 0450 INDICATION RING LIGHT BLUE	101119740	1		•	
 NOZZLE 0500 INDICATION RING YELLOW	101119741	1	•		
 NOZZLE 0640 INDICATION RING GREEN	101119745	1			•
 NOZZLE 0650 INDICATION RING LIGHT GREEN	101119746	1			

Model	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
Ref. no.	106239530	106239610	106239635

PRODUCT FEATURES

EcoPower boiler-high efficiency	•	•	•
C3 4-ceramic piston pump	•		•
Ergo accessory system	•	•	•
Petrol driven	•		
Diesel driven		•	•
Robust steel chassis and frame	•	•	•
Pump oil warning system	•	•	•
Service indicator	•	•	•
Electrical starting system	•	•	•
Big wheels and convenient grip		•	
Fuel tank	•	•	•
NA5 - 3 ceramic piston pump			



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Ref. no.	106239530	106239610	106239635

PRODUCT FEATURES

Thermal dump valve		•	
Flame sensor	•	•	•
Exhaust gas temperature sensor	•	•	•












Technical specifications	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
Pump Pressure (bar/MPa)	220/22	200/20	220/22
Cleaning impact (kg/force)	6.1	5.1	7.2
Pump (RPM)	1775	1485	1630
Power source diesel		Yanmar L100	Mitsubishi S3L2
Power source petrol	Honda GX390		
Power consumption (kW)	13 HP/9.6 kW	10 HP/7.3 kW	16 HP/11.7 kW
Water flow Qmax/Qiec (l/h)	1120/1010	1000/900	1300/1200
Water temperature (water/steam) (°C)	90/150	90/150	90/150
Fuel consumption at ΔT=45°C (kg/h)	5.6	4.7	6.8
Fuel tank (l)	Boiler 57/Motor 6.1	Boiler 57/Motor 5.5	Boiler/Motor 57
Fuel consumption, motor (l/h)	3.5	2.2	3.5
Nozzle size	.0500	.0450	.0640
Max. inlet temperature (°C)	40	40	40
Ceramic pistons	4	3	4
Length x width x height (mm)	970x780x1000	970x780x1000	1130x910x1050
Suction height dry (m)	1.5	1.5	
Weight (kg)	210	220	510
Recommended avg. hours of use per day	7	5	7

● Standard equipment, ○ Supplementary accessories, □ Mountable equipment

Accessories	Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
<b>High Pressure Male Coupling</b>					
	ADAPTER KEW QUICK COUPLING MALE 3/8	66159	1	○	○
	ADAPTOR 3/8 INCH MALE FOR HOSE	6401067	1	○	○














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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	ADAPTOR KEW GUN TO WAP ACCESS.	66161	1	○	○	○
	GARDENA COUPLING HOSE END 1/2 BULK	1608629	0	○	○	○
	GEKA COUPLING HOSE END 3/4	1311	1	○	○	○
	LP NIPPLE F. Q.-COUPLING 3/4IN	1600659	1	○	○	○
	NITO COUPLING HOSE END 1	1604669	1	○	○	○
<b>High Pressure Female Coupling</b>						
	ADAPTER KEW QUICK COUPLING FEMALE 3/8	66160	1	○	○	○
	ADAPTER WAP GUN COUPLING FEMALE M21X1.5	66162	1	○	○	○
	COUPLING GEKA FEMALE - INT THREAD 3/4 IN	1718	1	○	○	○
	HOSE NOZZLE 20R3/4	61369	1	●	●	●
	QUICK COUPLING 3/4 W/GASKET	1602945	1	○	○	○
<b>Standard Nozzle 25° 1/8" NPT</b>						
	HP NOZZLE 25050 1/8 INCH NPT	7813	1	○		
<b>Abrasive Blasting</b>						














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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	LANCE SOFTBLASTING W. NOZZLE 05	6401233	1	○	○	
	LANCE WITH RUBBER FLAT NOZZLE 05	6401364	1	○	○	
	LANCE WITH RUBBER FLAT NOZZLE 06	6401365	1			○
	NOZZLE FOR WSB - FLAT RUBBER 10 PC.	6402317	0	○	○	○
	SAND PLUGGER AND HOSE VSB	6400375	1	○	○	○
	SAND SUPER BLAST 25KG	8379	1	○	○	○
<b>Brush Washing</b>						
	BRUSH INSERT	10356	1	○	○	○
	WASH BRUSH - ERGO - UNIVERSAL LANCE	14202	1	○	○	○
	WASH BRUSH L1550 MM	6400088	1	○	○	○
	WASH BRUSH L2350 MM	6400087	1	○	○	○
<b>Special Nozzle</b>						
	CONTAINER CLEANING NOZZLE	15861	1	○	○	○













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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	NOZZLE FOR LONG LANCEJET 6-7 M	2802696	1	○	○	○
	NOZZLE PROTECTION CAP PA	18430	1	○	○	○
<b>Standard Nozzle 0° 1/8" NPT</b>						
	HP-NOZZLE 0050 1/8	17387	1	○		
<b>Drain and Pipe Cleaning</b>						
	DRAIN NOZZLE 05 3/8	2800084	1	○	○	○
	DRAIN NOZZLE 06 3/8	2800894	1			○
	HP HOSE DN10 20000 AGR-DRAIN CLEANER 06	6401268	1			○
	PIPE CLEANING HOSE 4X10M	301002490	1		○	
	PIPE CLEANING HOSE 4X20M	301002491	1	○	○	
	PIPE CLEANING HOSE 4X30M	301002492	1		○	
	PIPE CLEANING NOZZLE 1/8INC IG DN4	46921	1	○	○	
	PIPE CLEANING ROTATY NOZZLE 1/8INC IG DN	46918	1	○	○	○














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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	TUBE AND DRAIN CLEANER 05 20M	6401266	1	○	○	
<b>TurboHammer Nozzle</b>						
	TURBOHAMMER NOZZLE W11 050	48872	1	○		
<b>Filter Pressure Washer</b>						
	CARTRIDGE FILTER REPLACEM. 50 UM	1104041	1	○	○	○
	SUCTION FILTER 3 M HOSE, GUM	61256	1	○	○	○
<b>Detergent</b>						
	ALTO ACTIVE WAX 10 L	81177	1	○	○	○
	ALTO STONE-EX 10 L	81191	1	○	○	○
<b>Non Blacking High Pressure Hose, DN10</b>						
	HP HOSE DN10 GREY 10000 AGR-AGR	6101767	1	○	○	○
	HP HOSE DN10 GREY 15000 AGR-AGR	1401983	1	○	○	○
	HP HOSE DN10 GREY 20000 AGR-AGR	1401991	1	○	○	○
	HP HOSE DN10 GREY 25000 AGR-AGR	1402007	1	○	○	○














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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	HP HOSE DN10 GREY 30000 AGR-AGR	1402015	1	○	○	○
<b>High Pressure Hose, DN10</b>						
	HP HOSE DN10 1000 AGR-AGR	1402916	1	○	○	○
	HP HOSE DN10 2052 AGR-AGR	1402924	1	○	○	○
	HP HOSE DN10 3000 AGR-AGR	1402932	1	○	○	○
	HP HOSE DN10 5000 AGR-AGR	1402940	1	○	○	○
	HP HOSE DN10 10000 AGR-AGR	6101766	1	○	○	○
	HP HOSE DN10 15000 AGR-AGR	1402064	1	○	○	●
	HP HOSE DN10 20000 AGR-AGR	1402072	1	○	○	○
	HP HOSE DN10 25000 AGR-AGR	1402080	1	○	○	○
	HP HOSE DN10 30000 AGR-AGR	1402098	1	○	○	○
	HP HOSE DN10 50000 AGR-AGR	1402759	1	○	○	○
<b>High Pressure Hose, DN8</b>						
















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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	10 M 1 WIRE HOSE 5/16 DN8	1405569	1	○	○	
	HOSE DN8 1 WIRE 10M W.ERGO FEMALE COUPL.	101405770	1	○	○	
	HOSE DN8 1 WIRE 15M W.ERGO FEMALE COUPL.	301001100	1	●	●	
	HOSE DN8 1 WIRE 20M W.ERGO FEMALE COUPL.	301001101	1	○	○	
	HOSE DN8 20 M 1W - 3/8X3/8	1405666	1	○	○	
<b>Ergo System Coupling and Adapter</b>						
	COUPLING - FEMALE/Q-COUPPL 3/8 INCH	106402075	1	○	○	○
	ERGO COUPLING KIT	101119496	1	●	●	●
	HIGH PRESSURE COUPLINGS KIT	101119499	0	○	○	○
	NIPPEL F. Q-COUPPL. 3/8 INCH	1600493	1	○	○	○
	NIPPLE F/QUICK COUPLING 3/8 SS	1603101	1	○	○	○
	NIPPLE FOR SPRAY LANCE STAN.L	1609325	0	○	○	○
	PACK.RING D23.8XD14.96 3/8NBR SELF-CENT.	1801075	0	○	○	○
<b>High Pressure Hose, DN12</b>						














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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	HP HOSE DN12 10000 AGR-AGR	4810219	1	○	○	○
	HP HOSE DN12 15000 AGR-AGR	4810213	1	○	○	○
	HP HOSE DN12 20000 AGR-AGR	4810214	1	○	○	○
<b>Brush Rotary</b>						
	BRISTLE. LONG	6401431	1	○	○	○
	NYLON. BRISTLE FOR ROTARY	6401432	1	○	○	○
	ROTARY BRUSH 055 1700MM	6400019	1	○	○	
	ROTARY BRUSH 055 L800 MM	6400018	1	○	○	
	ROTARY BRUSH 065 L1700 MM	6400016	1			○
<b>Special Lance</b>						
	CURVED LANCE L1090 MM	6402016	1	○	○	○
	LANCE SINGLE 1500MM W/O NOZZLE	6401193	1	○	○	○
	UNDER CARRIAGE WASHER 40065	6400036	1	○	○	○
<b>Hose Reel</b>						



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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	CLEANING TROLLEY SS W/HOSE REEL FOAM IN	6401094	1	○	○	○
	HOSE TROLLEY UP TO 50 M 3/8	6400170	1	○	○	○
<b>Injector and Foam Sprayer</b>						
	02 INJECTOR COMPLETE	6401246	0	○	○	
	03 INJECTOR COMPLETE	6401247	1	○	○	○
	DETERGENT BOTTLE 2.5 L	107141635	0	○	○	○
	DETERGENT TANK W. SEALING CAP - 2.5 LTR.	106403162	0	○	○	○
	FOAM INJECTOR AGRRESSIVE LQDS	6401245	1	○	○	○
	FOAM INJECTOR W BYPASS	6401242	1	○	○	○
	FOAM INJECTOR W BYPASS S. S	6401243	1	○	○	○
	FOAM INJECTOR STANDARD	6401244	1	○	○	○
	FOAM LANCE COMPLETE L600 MM	6404368	1	○	○	○



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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	FOAM LANCE COMPLETE L1200 MM	6404369	1	○	○	○
<b>Other</b>						
	SIDE BAR COMPL.	106402110	1	○	○	○
	WATER SUCTION KIT 300 L/MIN 06	6402018	1			○
<b>Liquid Sprayer</b>						
	LIQUID SPRAYER 5S	7110005	0	○	○	○
	LIQUID SPRAYER 10SP	7110010	0	○	○	○
	LIQUID SPRAYER 20S	7110020	0	○	○	○
<b>Spray Gun</b>						
	ERGO 2000 STANDARD W. HOSE SWIVEL	106403122	1	●	●	●
	ERGO 3000 GUN W.SWIVEL LOCK+VARIO PRESS	106402191	0	○	○	○
	REP. KIT SWIVEL JOINT	101119484	1	○	○	○
	SPRAY HANDLE W. SWIVEL LOCK	106402190	1	○	○	○
<b>Tornado Nozzle with Indication Ring</b>						














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Accessories	Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
 NOZZLE 0450 INDICATION RING LIGHT BLUE	101119740	1		•	
 NOZZLE 0500 INDICATION RING YELLOW	101119741	1	•		
 NOZZLE 0640 INDICATION RING GREEN	101119745	1			•
 NOZZLE 0650 INDICATION RING LIGHT GREEN	101119746	1			
 NOZZLE PROTECTION F. TORNADOL.	106402425	1	○	○	○
<b>Accessory Kit</b>					
 WHEEL KIT NEP 5-54PE 7-61PE SMALL FRAME	106268075	1	○		
<b>Short Lance</b>					
 DOUBLE LANCE W/O NOZZLE 90MM	106402150	1	○	○	○
 SINGLE LANCE W/O NOZZLE 90MM	106402151	1	○	○	○
<b>FlexoPower Lance</b>					
 FLEXOPOWER PLUS 960 BEND W/O NOZZLE	106402282	1	○	○	○
 FLEXOPOWER PLUS 960 W/O NOZZLE BLUE	106408229	0	○	○	○
 FLEXOPOWER PLUS 990 BEND W/O NOZ.	106402281	1	○	○	○














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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	FLEXOPOWER PLUS 990 W/O NOZZLE BLUE	106408228	0	○	○	○
	FLEXOPOWER PLUS 1120 W/O NOZZLE BLUE	106408227	0	○	○	○
<b>TurboHammer Lance</b>						
	TURBOHAMMER PLUS 1125 STRAIGHT W11 0450	106402290	1		○	
	TURBOHAMMER PLUS 1125 STRAIGHT W11 0500	106402291	1	○		
	TURBOHAMMER PLUS 1125 STRAIGHT W11 0600	106402293	1			○
<b>Tornado Lance</b>						
	TORNADO PLUS 630 STRAIGHT W/O NOZZLE	106403013	1	○	○	○
	TORNADO PLUS 1000 BEND W/O NOZZLE	106403011	1	○	○	○
	TORNADO PLUS 1120 BEND W/O NOZZLE	106403010	1	●	●	●
	TORNADO PLUS 2080 BEND W/O NOZZLE	106403012	1	○	○	○
<b>PowerSpeed Vario Lance</b>						
	POWERSPEED VARIO PLUS 770 BEND 0500	106403023	1	○		
	POWERSPEED VARIO PLUS 770 BEND 0640	106403025	1			○









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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	POWERSPEED VARIO PLUS 1090 BEND 0450	106403092	1		○	
	POWERSPEED VARIO PLUS 1090 BEND 0500	106403093	1	○		
	POWERSPEED VARIO PLUS 1090 BEND 0640	106403095	1			○
	POWERSPEED VARIO PLUS 1090 BEND 0680	106403096	1			
<b>Universal Lance</b>						
	UNIVERSAL PLUS 650 W/O NOZZLE STRAIGHT	106403032	1	○	○	○
	UNIVERSAL PLUS 1080 W/O NOZZ STRAIGHT	106403033	1	○	○	○
	UNIVERSAL PLUS 1560 W/O NOZZLE STRAIGHT	106403031	1	○	○	○
	UNIVERSAL PLUS 2060 W/O NOZZLE STRAIGHT	106403030	1	○	○	○
	UNIVERSAL PLUS LANCE 940 BEND W/O NOZZ	106403036	1	○	○	○
	UNIVERSAL PLUS LANCE 1080 BEND W/O NOZZ	106403035	1	○	○	○
	UNIVERSAL PLUS LANCE 1230 BEND W/O NOZZL	106403034	1	○	○	○
<b>Surface Cleaning Rotary</b>						



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Accessories		Ref. no.	Min. required	MH 7P-220/1120 PE	MH 5M-200/1000 DE	MH 7P-220/1300 DE
	HYDROSCRUB P400 W/O NOZZLES	106403157	0	○	○	○
	HYDROSCRUB P500M Ø500 W/WHEELS W/O NOZZL	106403159	0	○	○	○
<b>Hose and Connection</b>						
	NILFISK BA VALVE COMP. GEKA	106411179	0	○	○	○
	NILFISK BA VALVE COMP. NITO	106411178	0	○	○	○
	NILFISK BA VALVE WO COUPLER	106411184	0	○	○	○
	WATER INLET HOSE 3/4 P/	6465	0	○	○	○

