

## Optimal ergonomics, reliable cleaning

The MH 3M is ideal for all hot water commercial and light industrial cleaning tasks and it offers higher efficiency and quicker cleaning thanks to the improved fuel saving EcoPower boiler system. Furthermore, service and maintenance can be carried out quickly, as all vital parts are easy to inspect and reach.

The MH 3M concept ensures the most optimal transport concept across a wide variety of surface types with the 4 large wheels and great balance. Optimal accessory storage facilities with double lance holders, turnable hook for easy removal or winding of electrical cable, innovative spray gun holder and easy storage of detergent tanks. Together with the quick service access to all vital parts, this series will provide remarkable cleaning results, saved time and reduced costs.




- High efficiency 4 pole motors
- EcoPower boiler with EcoMode function
- Brass pump head
- 3 ceramic coated pistons
- Pressure activated unloader system
- Simple fuel level sight
- Easy access to components
- Easy pump oil service functions with tank and oil sight
- Innovative design with 4 big wheels
- Easy to transport, can even be pushed/pulled across uneven surfaces



Picture shown may not represent model quoted





The MH 3M series takes mid-range hot water high pressure washers to a new level, meeting the latest productivity demands in the market. The MH 3M is equipped with our semi industrial NA4 pump with 3 ceramic coated pistons and a high efficiency 4 pole motor. It offers ideal performance levels for general hot water cleaning and the efficient EcoPower Boiler.

• Standard equipment

Included accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
<b>Ergo System Coupling and Adapter</b>				
	ERGO COUPLING KIT	101119496	0	•
<b>High Pressure Female Coupling</b>				
	HOSE NOZZLE 20R3/4	61369	0	•
<b>High Pressure Hose, DN6</b>				
	10 M WIRE HOSE DN6	301002275	0	•
<b>Spray Gun</b>				



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Included accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	ERGO 2000 STANDARD W. HOSE SWIVEL	106403122	0	•
<b>Universal Lance</b>				
	UNIVERSAL PLUS LANCE 940 BEND W/O NOZZ	106403036	0	•
<b>Tornado Nozzle with Indication Ring</b>				
	NOZZLE 0370 INDICATION RING BRONZE	101119737	0	
	NOZZLE 0400 INDICATION RING METAL GREY	101119738	0	•

Model MH 3M-160/770 PA EU

Ref. no. 107146903

## PRODUCT FEATURES

Single-phase	
Three phase	•
EcoPower boiler-high efficiency	•
SilentPower - 1450 rpm motor	•
QuickService - innovative concept	•
Ergo accessory system	•
Parking brake	•
Brass cylinder head	•
Ceramic coated pistons	•
Automatic start/stop	•
Fuel tank	•
Water break tank	•
Flame sensor	•
1 x detergent injector	•
Lance holder	•
Spray Gun Holder	•
Cable Hook, turnable	•
Detergent tank 10 ltr.	•



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Model MH 3M-160/770 PA  
EU

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## PRODUCT FEATURES

Fuel tank 15 ltr.	•
Fuel sight from outside	•
Eco mode feature	•
2 lance holder	•
Large wheel – 4 pcs.	•
Anti Stone	•
Storage box	•

Technical specifications MH 3M-160/770 PA  
EU











Pump pressure (bar/MPa)	160/16
Cleaning impact (kg/force)	3.6
Pump (RPM)	1450
Power consumption (kW)	4.7
Voltage/phase/frequency/current (V/~/HZ/A)	400/3/50/8
Water flow Qmax/Qiec (l/h)	770/700
Water temperature (water/steam) (°C)	80
El cable (m)	5
Heating efficiency (%)	93
Fuel consumption $\Delta T=45^{\circ}\text{C}$ (kg/h)	3.1
Fuel tank (l)	15
Nozzle size	.0400
Max inlet temperature (°C)	40
Length x width x height (mm)	1010x700x1016
Weight (kg)	133
Sound power level, Re Directive 2000/14/EU (LwA)	92

• Standard equipment, ○ Supplementary accessories, □ Mountable equipment

Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
<b>Hose and Connection</b>				
	NILFISK BA VALVE COMP. GARDENA	106411177	0	○














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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	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	○
<b>High Pressure Male Coupling</b>				
	ADAPTER KEW QUICK COUPLING MALE 3/8	66159	0	○
	ADAPTOR 3/8 INCH MALE FOR HOSE	6401067	0	○
	ADAPTOR KEW GUN TO WAP ACCESS.	66161	0	○
	GARDENA COUPLING HOSE END 1/2 BULK	1608629	0	○
	GEKA COUPLING HOSE END 3/4	1311	0	○
	LP NIPPLE F. Q.-COUPLING 3/4IN	1600659	0	○
	NITO COUPLING HOSE END 1	1604669	0	○
<b>High Pressure Female Coupling</b>				
	ADAPTER KEW QUICK COUPLING FEMALE 3/8	66160	0	○















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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	ADAPTER WAP GUN COUPLING FEMALE M21X1.5	66162	0	○
	COUPLING GEKA FEMALE - INT THREAD 3/4 IN	1718	0	○
	GARDENA MALE 3/4 INCH	32541	0	○
	HOSE NOZZLE 20R3/4	61369	0	●
	QUICK COUPLING 3/4 W/GASKET	1602945	0	○
<b>Detergent</b>				
	ALTO ACIDO 10 L	81204	0	○
	ALTO ACIDO 25 L	81205	0	○
	ALTO ACTIVE FOAM 25 L	81217	0	○
	ALTO ACTIVE SHAMPOO 25 L	81216	0	○
	ALTO ACTIVE SHAMPOO 220 K	80874	0	○
	ALTO ACTIVE WAX 10 L	81177	0	○

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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	ALTO ALKAFOAM 25 L	81231	0	○
	ALTO ALLOSIL 10 L	81237	0	○
	ALTO ALLOSIL 25 L	81209	0	○
	ALTO ANTI-STONE 10 L	80919	0	○
	ALTO ANTI-STONE 25 L	81235	0	○
	ALTO AUTOACTIVE 25 L	81218	0	○
	ALTO AUTOACTIVE 220 KG	80748	0	○
	ALTO COMBI ACTIVE 10L	81172	0	○
	ALTO COMBI ACTIVE 25 L	81229	0	○
	ALTO INSECT REMOVER AL	308000151	0	○
	ALTO J 25 MULTI 10 L	80923	0	○
	ALTO J 25 MULTI 25 L	81228	0	○

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	Accessories	Ref. no.	Min. required	MH 3M-160/770 PA EU
	ALTO QUICKDRY 25 L	81221	0	○
	ALTO RIMTOP 10 L	80935	0	○
	ALTO SAPPHIRE 10 L	81180	0	○
	ALTO SAPPHIRE 25 L	81219	0	○
	ALTO SUPERPLUS 10 L	81170	0	○
	ALTO UNIVERSAL 10 L	80930	0	○
	ALTO UNIVERSAL 25 L	81225	0	○
	ANTI-STONE SET-6X1 L	8466	0	○
	AUTO ACTIVE 10 L	81136	0	○
	LTO ACTIVE WAX 25 L	81222	0	○
	NILFISK-ALTO ALLOSIL 4 X 2.5 L	25000202	0	○
	NILFISK-ALTO J 25 MULTI 4 X 2.5 L	25000214	0	○













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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	NILFISK-ALTO SAPPHIRE 4 X 2.5 L	25000206	0	○
	NILFISK-ALTO SUPERPLUS 4 X 2.5 L	25000204	0	○
	NILFISK-ALTO UNIVERSAL 4 X 2.5 L	25000213	0	○
	NILFISK-ALTO WAXCLEAN 4 X 2.5 L	25000211	0	○
	TO SUPERPLUS 25 L	81220	0	○
	TRUCK CLEANER AL 25 L	308000153	0	○
<b>Brush Washing</b>				
	BRUSH INSERT	10356	0	○
	WASH BRUSH - ERGO - UNIVERSAL LANCE	14202	0	○
	WASH BRUSH L1550 MM	6400088	0	○
	WASH BRUSH L2350 MM	6400087	0	○
<b>Liquid Sprayer</b>				
	ALTO 8P PRESpray UNIT	25598	0	○
	KEW LIQUID SPRAYER 5S	7110005	0	○
















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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	KEW LIQUID SPRAYER 10SP	7110010	0	○
	KEW LIQUID SPRAYER 20S	7110020	0	○
<b>Drain and Pipe Cleaning</b>				
	DRAIN CLEANER 05 20M HOSE	6401266	0	○
	PIPE CLEANING HOSE 4X10M	301002490	0	○
	PIPE CLEANING HOSE 4X20M	301002491	0	○
	PIPE CLEANING HOSE 4X30M	301002492	0	○
	PIPE CLEANING NOZZLE 1/8INC IG DN4	46921	0	○
	PIPE CLEANING ROTARY NOZZLE 1/8INC IG DN	46918	0	○
<b>Special Nozzle</b>				
	VARIO NOZZLE HL-I 1/8-27N	56829	0	○
<b>Filter Pressure Washer</b>				
	CARTRIDGE FILTER REPLACEM. 50 µM	1104041	0	○
	SAND FILTER 50MICRON UNIVERSAL	1604461	0	○
	SUCTION FILTER WITH FOOTVALVE	6400000	0	○

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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	WATER FILTER 50uM 3/4INCH PN12 PA	301000173	0	○
	WATER FILTER COMPLETE	107145802	0	○
<b>High Pressure Hose, DN10</b>				
	2 M 2 WIRE HOSE 3/8 DN10	1402924	0	○
	3 M 2 WIRE HOSE 3/8 DN10	1402932	0	○
	5 M 2 WIRE HOSE 3/8 DN10	1402940	0	○
	25 M 2 WIRE HOSE 3/8 DN10	1402080	0	○
	HP HOSE 3/8INCH 1M DN10. COMPL.	1402916	0	○
	HP HOSE DN10 150DEG L15000mm	1402064	0	○
	M 20 WIRE HOSE 3/8 DN10	1402072	0	○
<b>High Pressure Hose, DN8</b>				
	10 M 1 WIRE HOSE 5/16 DN8	1405569	0	○
	HOSE DN8 1 WIRE 10M W.ERGO FEMALE COUPL.	101405770	0	○



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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	HOSE DN8 1 WIRE 15M W.ERGO FEMALE COUPL.	301001100	0	○
	HOSE DN8 1 WIRE 20M W.ERGO FEMALE COUPL.	301001101	0	○
	HOSE DN8 20 M 1W - 3/8X3/8	1405666	0	○
<b>Ergo System Coupling and Adapter</b>				
	COUPLING - FEMALE/Q-COUPPL 3/8 INCH	106402075	0	○
	ERGO COUPLING KIT	101119496	0	●
	HIGH PRESSURE COUPLINGS KIT	101119499	0	○
	Nippel F. Q-COUPPL. 3/8 INCH	1600493	0	○
	NIPPLE F/QUICK COUPLING 3/8 SS	1603101	0	○
	NIPPLE FOR SPRAY LANCE STAN.L	1609325	0	○
<b>Special Lance</b>				
	CURVED LANCE L1090 MM	6402016	0	○
	LANCE SINGLE 1500MM W/O NOZZLE	6401193	0	○

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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	UNDER CARRIAGE WASHER 40065	6400036	0	○
<b>Hose Reel</b>				
	CLEANING TROLLEY SS W/HOSE REEL FOAM IN	6401094	0	○
	HOSE REEL RETRACTABLE SS W/O HOSE	106403168	0	○
	HOSE TROLLEY UP TO 50 M 3/8	6400170	0	○
	HOSEREEL BLUE.PAINT RETRACTAB.W/20M HOSE	106403131	0	○
<b>Injector and Foam Sprayer</b>				
	02 INJECTOR COMPLETE	6401246	0	○
	03 INJECTOR COMPLETE	6401247	0	○
	BOTTLE FOR FOAM SPRAYER 1 L	106408163	0	○
	BOTTLE FOR FOAM SPRAYER 2 L	106408164	0	○
	DETERGENT TANK W.SAFETY CAP - 2.5 LTR.	106403162	0	○
	EXTENSION HOSE 30 CM WITH ERGO COUPLINGS	301001311	0	○
	FOAM INJECTOR AGRESSIVE LQDS	6401245	0	○



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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	FOAM INJECTOR W BYPASS	6401242	0	○
	FOAM INJECTOR W BYPASS S. S	6401243	0	○
	FOAM INJECTOR STANDARD	6401244	0	○
	FOAM LANCE COMPLETE L600 MM	6404368	0	○
	FOAM LANCE COMPLETE L1200 MM	6404369	0	○
	NILFISK-ALTO FOAMSPRAYER VARIO 1 LTR 055	106408235	0	○
<b>Other</b>				
	WATER SUCTION KIT 300 L/MIN 06	6402018	0	○
<b>Tornado Nozzle with Indication Ring</b>				
	NOZZLE 0275 W. INDICATION RING DARK BROW	101117692	0	○
	NOZZLE 0300 W. INDICATION RING WARM ORAN	101117695	0	○
	NOZZLE 0370 INDICATION RING BRONZE	101119737	0	
	NOZZLE 0400 INDICATION RING METAL GREY	101119738	0	●
	NOZZLE PROTECTION F. TORNADOL.	106402425	0	○

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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
<b>Spray Gun</b>				
	ERGO 2000 STANDARD W. HOSE SWIVEL	106403122	0	•
	REP. KIT SWIVEL JOINT	101119484	0	○
	SIDE BAR COMPL.	106402110	0	○
<b>Nozzle</b>				
	NOZZLE 0165	102802851	0	○
	NOZZLE 0200	102802852	0	○
	NOZZLE 0245	102802853	0	○
<b>Short Lance</b>				
	DOUBLE LANCE W/O NOZZLE 90MM	106402150	0	○
	SINGLE LANCE W/O NOZZLE 90MM	106402151	0	○
<b>FlexoPower Lance</b>				
	FLEXOPOWER PLUS 960 BEND W/O NOZZLE	106402282	0	○
	FLEXOPOWER PLUS 960 W/O NOZZLE BLUE	106408229	0	○
	FLEXOPOWER PLUS 990 BEND W/O NOZ.	106402281	0	○
	FLEXOPOWER PLUS 990 W/O NOZZLE BLUE	106408228	0	○
<b>TurboHammer Lance</b>				
	TURBOHAMMER PLUS 1115 STRAIGHT W12 0400	106403002	0	○
	TURBOHAMMER PLUS 1125 STRAIGHT W11 0450	106402290	0	○
<b>Tornado Lance</b>				



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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	TORNADO PLUS 630 STRAIGHT W/O NOZZLE	106403013	0	○
	TORNADO PLUS 1000 BEND W/O NOZZLE	106403011	0	○
	TORNADO PLUS 1120 BEND W/O NOZZLE	106403010	0	○
	TORNADO PLUS 2080 BEND W/O NOZZLE	106403012	0	○
<b>Universal Lance</b>				
	UNIVERSAL PLUS 650 W/O NOZZLE STRAIGHT	106403032	0	○
	UNIVERSAL PLUS 1080 W/O NOZZ STRAIGHT	106403033	0	○
	UNIVERSAL PLUS 1080 BENT 170 F. BRUSH	106403037	0	○
	UNIVERSAL PLUS 1560 W/O NOZZLE STRAIGHT	106403031	0	○
	UNIVERSAL PLUS 2060 W/O NOZZLE STRAIGHT	106403030	0	○
	UNIVERSAL PLUS LANCE 940 BEND W/O NOZZ	106403036	0	●
	UNIVERSAL PLUS LANCE 1080 BEND W/O NOZZ	106403035	0	○

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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	UNIVERSAL PLUS LANCE 1230 BEND W/O NOZZL	106403034	0	○
<b>PowerSpeed Vario Lance</b>				
	POWERSPEED VARIO PLUS 1090 BEND 0370	106403091	0	
	POWERSPEED VARIO PLUS 1090 BEND 0450	106403092	0	○
<b>TurboHammer Nozzle</b>				
	TURBOHAMMER NOZZLEHEAD W12 0370	106408221	0	
<b>High Pressure Hose, DN6</b>				
	10 M WIRE HOSE DN6	301002275	0	●
<b>Abrasive Blasting</b>				
	SIMPLE SAND BLASTING UNIT COMPLETE VSB	301112493	0	○
<b>4-in-1 Nozzle</b>				
	NOZZLE 4-IN-1 ALU + INDICATION RING 0370	101118130	0	
	NOZZLE 4-IN-1 ALU + INDICATION RING 0400	101118131	0	
	NOZZLE 4-IN-1 ALU + INDICATION RING 0450	101118133	0	○
<b>4-in-1 Lance</b>				
	4-IN-1 LANCE INCL 0370 ALUMINUM HEAD	106408252	0	



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Accessories		Ref. no.	Min. required	MH 3M-160/770 PA EU
	4-IN-1 LANCE INCL 0400 ALUMINUM HEAD	106408253	0	
	4-IN-1 LANCE INCL 0450 ALUMINUM HEAD	106408255	0	○
	LANCE FOR 4-IN-1 880 BEND	106408240	0	○
<b>Surface Cleaning Rotary</b>				
	HYDROSCRUB P300 P+H	106403187	0	○
	HYDROSCRUB P400 W/O NOZZLES	106403157	0	○