

MH series

High pressure washers with hot benefits



MH series gives you performance, long life-time and ergonomics

Innovative hot water pressure washer units with ergonomic and robust design

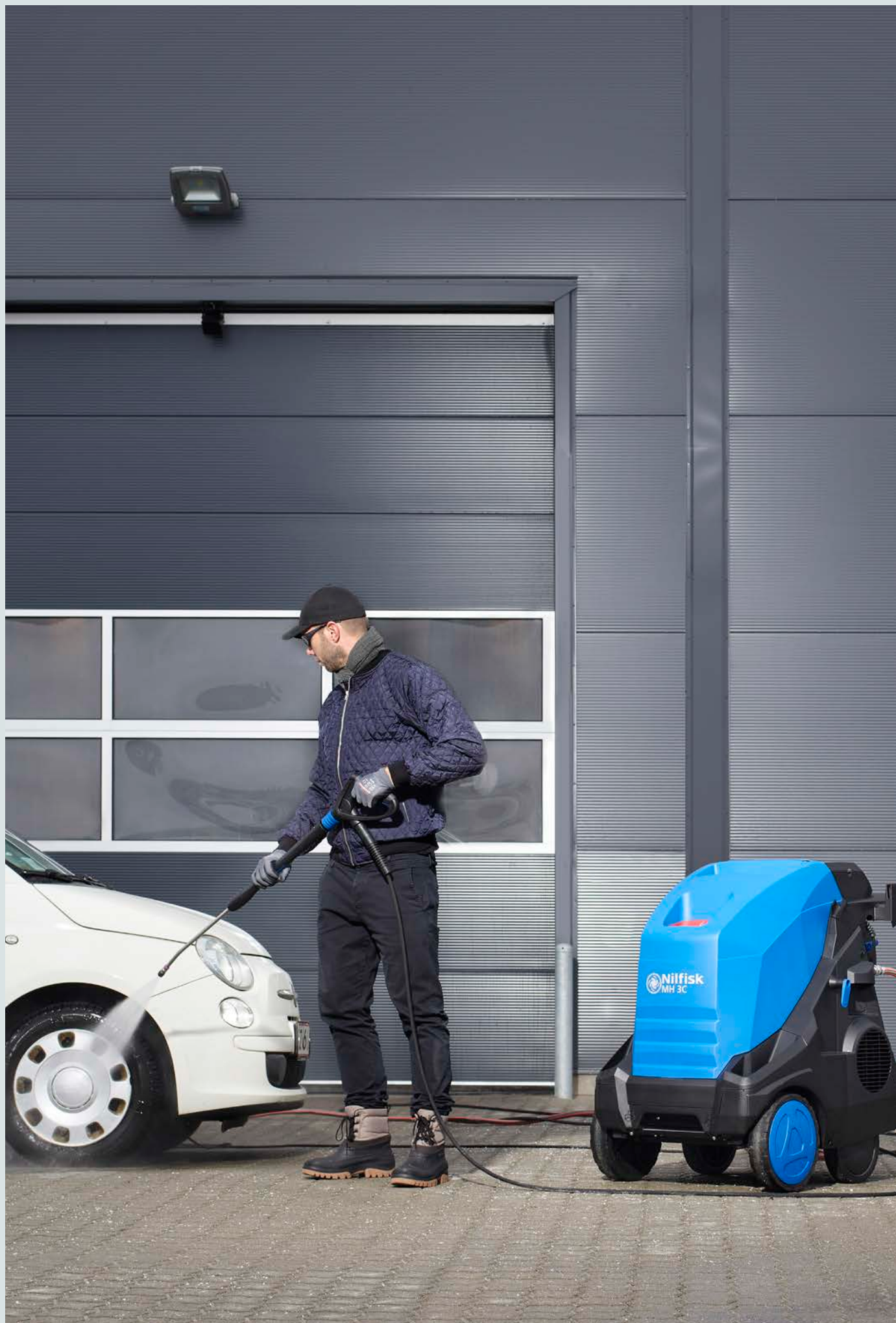
The MH series is equipped with our industrial pumps with 3-4 ceramic pistons and 4 pole motor. The machines are ideal for all hot water commercial and industrial cleaning tasks. Due to the EcoPower™ boiler they offer ideal and best in class efficient performance level for general hot water cleaning. Furthermore, the flow activated control system improves user comfort and handling as well as overall machine reliability.

Service and maintenance can be carried out quickly, as all vital parts are easy to inspect and reach. Also, the diagnostics function showed in the panel will give maintenance warnings to minimize any downtime.

The MH series concept ensures high mobility and easy transport across a wide variety of surface types thanks to the 4 large wheels and great balance.

- High efficiency 4 pole motors
- EcoPower™ boiler with EcoMode function
- Brass pump head
- Large inlet water filter protects pump against impurities
- 3-4 ceramic pistons
- Flow- or pressure activated unloader system
- Oil tank and oil level sight
- Low pump oil warning system
- Low fuel warning system
- Onboard diagnostics function
- Innovative design with 4 big wheels
- Easy to transport, can even be pushed/pulled across uneven surfaces





Nilfisk EcoPower™ clears the way to quicker cleaning

Make your move and take on some of the most demanding cleaning tasks with the MH series. Higher efficiency and quicker cleaning are the by words to the improved fuel saving EcoPower™ boiler system.

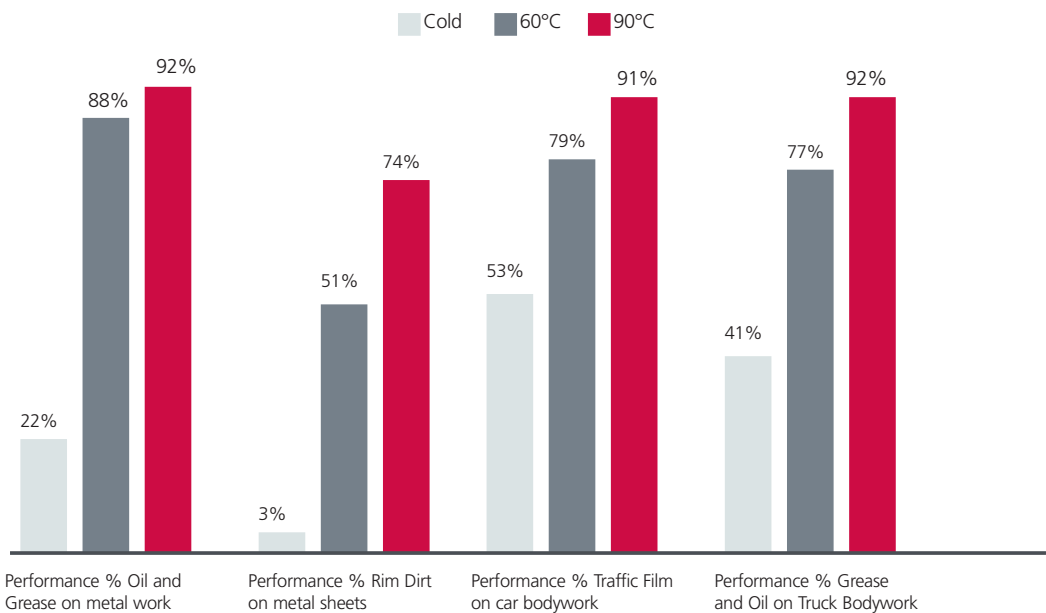
We have worked extensively with the WfK Institute in Germany (investigation WL 6203/12 of WfK Testing Institute) in studying the cleaning effect of different parameters on cleaning efficiency for different types of applications and dirt types such as oil, grease, traffic film and rim dirt on surfaces like metal and vehicle bodywork.

The results allow us to identify best practice cleaning methods in order to reduce cleaning time. Our studies show clearly that the use of hot water implies a major gain in cleaning efficiency for some applications.

Cleaning time can be reduced by 4 for cleaning of oil and grease from metallic surfaces when using 60°C water instead of cold water. This reduces labour, water and electrical costs by 4 reducing the total cost of use of a pressure washer significantly.

The Nilfisk EcoPower™ boiler offers the users the benefit of the highest efficiency levels in the market – between 92 and 93%** efficient and at the same time saving fuel costs. This efficiency level is recognised and approved by the EUnited.

Effect of Temperature on cleaning performance *



*investigation WL 6203/12 of WfK Testing Institute
** Nilfisk boilers have been certified as high efficiency boilers by EUnited - a guarantee of their high performance and low run costs.

EcoMode

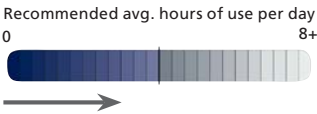
The MH series has the possibility of cleaning in an EcoMode. This setting adjusts the boiler to its most efficient setting for a wide range of applications such as car cleaning, cleaning of protein rich material such as blood or animal waste.







MH 3C compact and high performing



TECHNICAL DATA

	MH 3C-90/670 PAX UK
Pump pressure (bar/MPa)	90/9
Cleaning impact (kg/force)	2.4
Water flow Qmax/Qiec (l/h)	670/640
Pump (RPM)	2800
Water temperature (water/steam) (°C)	80/150
Max inlet temperature (°C)	40
Fuel consumption $\Delta T=45^{\circ}\text{C}$ (kg/h)	2.9
Fuel tank (l)	15
Length x width x height (mm)	1010x700x1016
Weight (kg)	119
Power consumption (kW)	3.0
Voltage/phase/frequency/current (V~/HZ/A)	230/1/50/13
Stainless Steel Pistons	3
El cable (m)	5
Nozzle size	.0530
Standard equipment	
Ergo coupling kit	101119496
Water inlet coupling	61369
Hose DN6 15M 3/8-QC	101406175
Ergo 2000 stanard w. hose swivel	106403122
Hose reel accessory	106403184
Universal Plus Lance 940 bend w/o nozzle	106403036
Nozzle 0530 Inidcation ring red	101119742
ITEM NO.	107146882





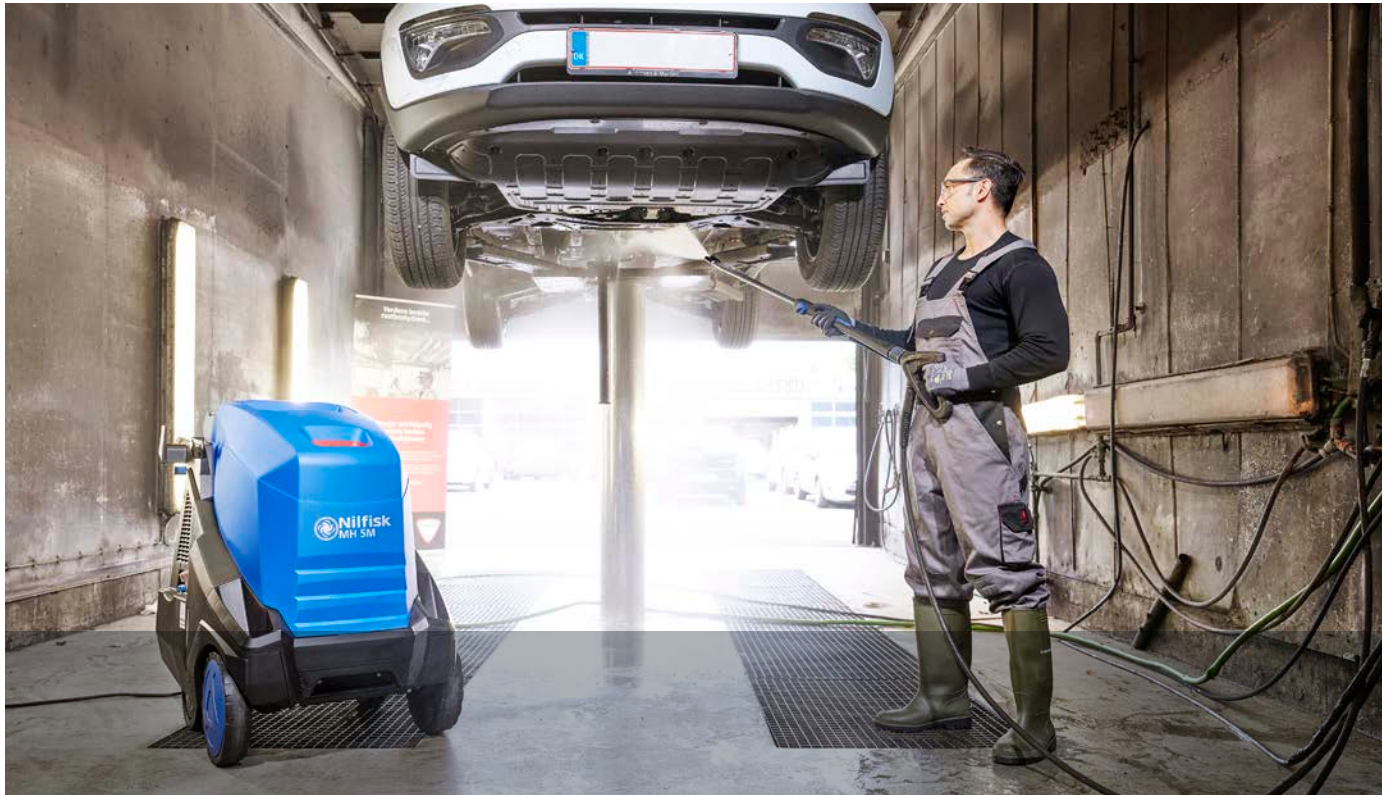
MH 3M optimal ergonomics, reliable cleaning

TECHNICAL DATA	MH 3M-100/600 PA UK
Pump pressure (bar/MPa)	100/10
Cleaning impact (kg/force)	2.4
Water flow Qmax/Qiec (l/h)	600/600
Pump (RPM)	1450
Water temperature (water/steam) (°C)	80
Max inlet temperature (°C)	40
Fuel consumption $\Delta T=45^{\circ}\text{C}$ (kg/h)	2.7
Fuel tank (l)	15
Length x width x height (mm)	1010x700x1016
Weight (kg)	114
Power consumption (kW)	2.8
Voltage/phase/frequency/current (V~/HZ/A)	230/1/50/12.5
Ceramic Coated Pistons	3
El cable (m)	5
Nozzle size	.0450
Standard equipment	
Ergo coupling kit	101119496
Water inlet coupling	61369
10 m wire hose DN6	301002275
Ergo 2000 stanard w. hose swivel	106403122
Universal Plus Lance 940 Bend w/o nozzle	106403036
Nozzle 0370 Inidcation ring bronze	101119737
Nozzle 0400 Inidcation ring metal grey	101119738
ITEM NO.	107146897



MH 4M gives you performance, long life-time and ergonomics

TECHNICAL DATA	MH 4M-100/680 PA UK	MH 4M-100/680 PAX UK	MH 4M-210/1000 PAX
Pump pressure (bar/MPa)	100/10	100/10	210/21
Cleaning impact (kg/force)	2.5	2.5	5.5
Water flow Qmax/Qiec (l/h)	680/630	680/630	1000/940
Pump (RPM)	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90/150
Max inlet temperature (°C)	40	40	40
Fuel consumption ΔT=45°C (kg/h)	2.8	2.8	4.1
Fuel tank (l)	15	15	15
Length x width x height (mm)	1010x700x1016	1010x700x1016	1010x700x1016
Weight (kg)	138	141	149
Power consumption (kW)	2.9	2.9	8.0
Voltage/phase/frequency/current (V~/HZ/A)	230/1/50/13	230/1/50/13	400/3/50/13,5
Detergent tank (l)	A: 10 + B:	A: 10 + B:	A: 10 + B:
Ceramic pistons	3	3	3
El cable (m)	5	5	5
Nozzle size	.0475	.0475	.0475
Standard equipment			
Ergo coupling kit	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369
NILFISK BA VALVE COMP. GARDENA	106411177	106411177	
15 m 1wire hose DN8 w. Ergo female coupling			301001100
HP Hose 15m DN8X QC 3/8		101406102	
10 m 1wire hose DN8 w. Ergo female coupling	101405770		
Hose reel accessory		106403184	106403184
Ergo 2000 stanard w. hose swivel	106403122	106403122	106403122
Tornado Plus 1000 bend w/o nozzle			106403011
Universal Plus Lance 940 Bend w/o nozzle	106403036	106403036	
Tornado nozzle 0475	301150005	301150005	301150005
Water filter complete	107144272	107144272	107144272
ITEM NO.	107146910	107156911	107146912



MH 5M High performance, long life & optimal manoeuvrability

TECHNICAL DATA	MH 5M-100/760 PA	MH 5M-200/960 FAX	MH 5M-210/1100 FA
Pump pressure (bar/MPa)	100/10	100/10	210/21
Cleaning impact (kg/force)	2.7	2.7	6.1
Water flow Qmax/Qiecc (l/h)	760/680	760/680	1100/1050
Pump (RPM)	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90/150
Max inlet temperature (°C)	40	40	40
Fuel consumption ΔT=45°C (kg/h)	3	3	4.7
Fuel tank (l)	30	30	30
Length x width x height (mm)	1188x700x1020	1188x700x1020	1188x700x1020
Weight (kg)	167	170	174
Power consumption (kW)	2.9	2.9	7.9
Voltage/phase/frequency/current (V~/HZ/A)	230/1/50/13	230/1/50/13	400/3/50/13.5
Detergent tank (l)	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10
Ceramic pistons	3	3	3
El cable (m)	5	5	5
Nozzle size	0.500	0.500	0.550
Standard equipment			
Ergo coupling kit	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369
20 m 1 wire hose DN8 1 w. Ergo female coupling		301001101	301001101
10 m 1 wire hose DN8 1 w. Ergo female coupling	101405770		
Hose reel accessory		106403184	106403184
Ergo 2000 standard w. hose swivel	106403122	106403122	106403122
Tornado Plus 1120 bend w/o nozzle	106403010	106403010	106403010
Nozzle 0550 indication ring neongreen			101119743
Nozzle 0500 Indication ring yellow	101119741	101119741	
Water filter complet	107144272	107144272	107144272
ITEM NO.	107146941	107146942	107146950



MH 6P Tough and efficient - for heavy duty applications

TECHNICAL DATA	MH 6P-175/1250 FA	MH 6P-175/1250 FAX	MH 6P-200/1300 FA	MH 6P-200/1300 FAX
Pump pressure (bar/MPa)	175/17.5	175/17.5	200/20	200/20
Cleaning impact (kg/force)	6.2	6.2	6.9	6.9
Water flow Q _{max} /Q _{iec} (l/h)	1250/1150	1250/1150	1300/1200	1300/1200
Pump (RPM)	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90/150	90/150
Max inlet temperature (°C)	40	40	40	40
Fuel consumption ΔT=45°C (kg/h)	5.4	5.4	5.3	5.3
Fuel tank (l)	30	30	30	30
Length x width x height (mm)	1188x700x1020	1188x700x1020	1188x700x1045	1188x700x1045
Weight (kg)	180	188	198	207
Power consumption (kW)	8.5	8.5	9.1	9.1
Voltage/phase/frequency/current (V~/HZ/A)	400/3/50/14.5	400/3/50/14.5	400/3/50/15.5	400/3/50/15.5
Detergent tank (l)	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10
Ceramic pistons	4	4	4	4
El cable (m)	5	5	5	5
Nozzle size	.0750	.0750	.0680	.0680
Standard equipment				
Ergo coupling kit	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369	61369
10 m hose DN10 10 M 2W 3/8X3/8 INCH	6101766		6101766	
20m wire hose 3/8 DN10		1402072		1402072
Hose reel accessory		106403184		106403184
Ergo 2000 standard w. hose swivel	106403122	106403122	106403122	106403122
Tornado Plus 1120 bend w/o nozzle	106403010	106403010	106403010	106403010
Nozzle 0680 indication ring grey			101119747	101119747
Nozzle 0750 indication ring red	101119749	101119749		
Water filter complet	107144272	107144272	107144272	107144272
ITEM NO.	107146960	107146963	107146961	107146964



MH 7P Heavy duty and efficient hot water cleaning for intense use

TECHNICAL DATA	MH 7P-180/1260 FA	MH 7P-180/1260 FAX
Pump pressure (bar/MPa)	180/18	180/18
Cleaning impact (kg/force)	6.3	6.3
Water flow Qmax/Qiec (l/h)	1260/1170	1260/1170
Pump (RPM)	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150
Max inlet temperature (°C)	40	40
Fuel consumption ΔT=45°C (kg/h)	5.3	5.3
Fuel tank (l)	30	30
Length x width x height (mm)	1188x700x1045	1188x700x1045
Weight (kg)	195	204
Power consumption (kW)	7.6	7.6
Voltage/phase/frequency/current (V~/HZ/A)	400/3/50/13.5	400/3/50/13.5
Detergent tank (l)	A:10 + B:10	A:10 + B:10
Ceramic pistons	4	4
El cable (m)	5	5
Nozzle size	.0680	.0680
Standard equipment		
Ergo coupling kit	101119496	101119496
Water inlet coupling	61369	61369
10 m hose DN10 2W 3/8X3/8 INCH	6101766	
20 m wire hose 3/8 DN10		1402072
Hose reel accessory		106403184
Ergo 2000 standard w. hose swivel	106403122	106403122
Tornado Plus 1120 bend w/o nozzle	106403010	106403010
Nozzle 0680 indication ring grey	101119747	101119747
Water filter complet	107144272	107144272
ITEM NO.	107146980	107146982

Optimal manoeuvrability

Easy access to all control elements even when in a stationary installation

Innovative spray gun holder

Easy storage of detergent tanks

Robust wheel brake to block the machine in position

Foot plate to easily kip and tilt the machine for added maneuverability



Storage box and easy access to dosable AntiScale boiler protection system

High pressure detergent system for additional effect. One or two detergent tanks (A and B) and suction hoses depending on the model chosen

Easy access to fuel tank with simple and easy level sight to avoid running short of fuel

Optimal accessory storage facilities with double lance holder, turnable hook for easy removal of electrical cable, innovative spray gun holder and easy storage of detergent tanks

Optimal manoeuvrability and ease of transport – the new design with improved centre of gravity, layout of parts and 4 large wheel design base improves manoeuvrability over all types of surface.

After years of studying the manoeuvrability of hot water cleaners across many different surfaces types and in many situations, a new, innovative wheel layout and other component bases allows the MH range to be easily pushed and pulled across all surface types on construction sites and in agriculture.

Transport functions are greatly improved, making movement of the products much easier:

- The 4 wheel design with large wheels, off-set to improve both ground clearance, balance and manoeuvrability in movement
- Indication of spaces under chassis for transport via forklift
- Fixation points for straps to secure the machine during transport in vans & trailers