MH series

Exceptional hot water cleaning meets certified energy efficiency



Nilfisk®

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

Innovative hot water pressure washer units with ergonomic and robust design

The MH series of high pressure washers offer everything from compact efficient variants to heavy duty workhorses that are ideal for all hot water commercial and industrial cleaning tasks. With an efficient 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. The diagnostics function 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.

- EcoPower™ boiler with EcoMode function
- Flow- or pressure activated unloader system
- Onboard diagnostics function
- Innovative design with 4 big wheels
- Easy to transport, can even be pushed/pulled across uneven surfaces



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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.

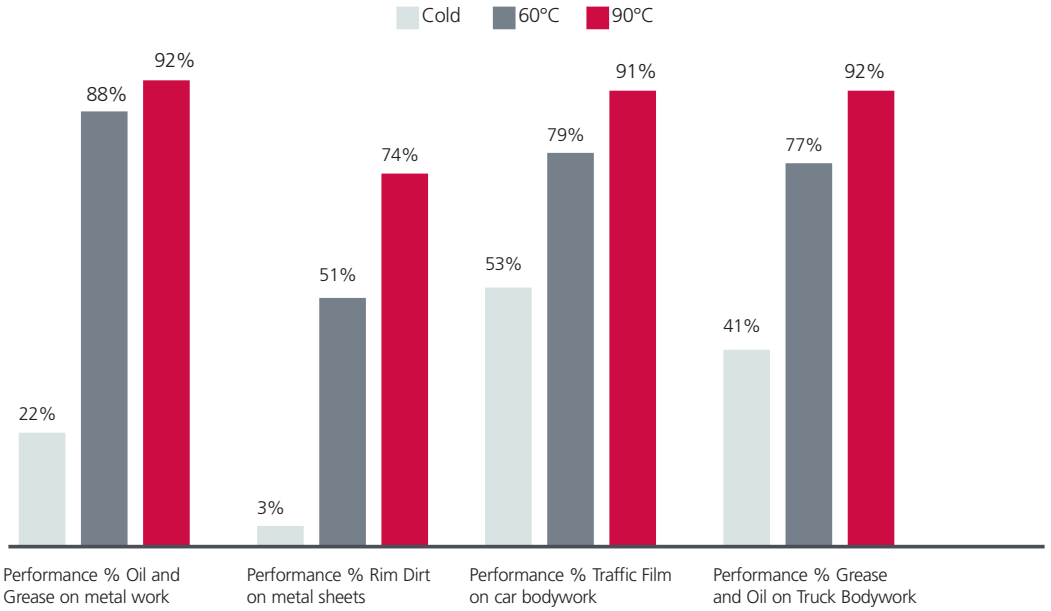
We have worked extensively with the WfK Institute in Germany (investigation WL 6203/12 of WfK Testing Institute) in studying the cleaning effect of different parameters on cleaning efficiency for different types of applications and dirt types such as oil, grease, traffic film and rim dirt on surfaces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

EUnited Cleaning – European Cleaning Machines Association
- High Efficiency Burner
- Low Fuel Consumption
- Low Emission

EFFICIENCY Certified
FOR A CLEAN ENVIRONMENT

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MH 3C compact and high performing



Recommended avg. hours of use per day

8+



TECHNICAL DATA	MH 3C-145/600 PA EU	MH 3C-145/600 PAX EU	MH 3C-180/780 PA EU	MH 3C-180/780 PAX EU
Pump pressure (bar/MPa)	145/14.5	145/14.5	180/18	180/18
Cleaning impact (kg/force)	2.6	2.6	3.8	3.8
Water flow Qmax/Qiec (l/h)	600/530	600/530	780/710	780/710
Pump (RPM)	2800	2800	2800	2800
Water temperature (water/steam) (°C)	80/150	80/150	80/150	80/150
Max inlet temperature (°C)	40	40	40	40
Fuel consumption ΔT=45°C (kg/h)	2.4	2.4	3.2	3.2
Fuel tank (l)	15	15	15	15
Length x width x height (mm)	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016
Weight (kg)	115	119	115	119
Power consumption (kW)	3.7	3.7	5.3	5.3
Voltage/phase/frequency/current (V/~/HZ/A)	230/1/50/16	230/1/50/16	400/3/50/9	400/3/50/9
Ceramic Coated Pistons	3	3	3	3
El cable (m)	5	5	5	5
Nozzle size	.0340	.0340	.0400	.0400
Standard equipment				
Ergo coupling kit	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369	61369
HP Hose DN6X10M QC3/8in	101406069		101406069	
Hose DN6 15M 3/8-QC		6528613		6528613
Ergo 2000 standard w. hose swivel	106403122	106403122	106403122	106403122
Hose reel		106403184		106403184
Nozzle 0340 Inidcation ring violet	101119735	101119735		
Nozzle 0400 Inidcation ring metal grey			101119738	101119738
Universal plus lance 940 bend w/o nozzle	106403036	106403036	106403036	106403036
ITEM NO.	**107146880**	**107146881**	**107146890**	**107146891**

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MH 3M optimal ergonomics, reliable cleaning



Recommended avg. hours of use per day

0 8+



TECHNICAL DATA

	MH 3M-140/580 PA EU 230/1/50	MH 3M-160/770 PA 400/3/50 EU	MH 3M-140/580 PAX 230/1/50 EU	MH 3M-160/770 PAX 400/3/50 EU
Pump pressure (bar/MPa)	140/14	160/16	140/14	160/16
Cleaning impact (kg/force)	2.8	3.6	2.8	3.6
Water flow Qmax/Qiec (l/h)	580/580	770/700	580/580	770/700
Pump (RPM)	1450	1450	1450	1450
Water temperature (water/steam) (°C)	80	80	80	80
Max inlet temperature (°C)	40	40	40	40
Fuel consumption ΔT=45°C (kg/h)	2.6	3.1	2.6	3.1
Fuel tank (l)	15	15	15	15
Length x width x height (mm)	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016
Weight (kg)	114	114	119	119
Power consumption (kW)	3.6	4.7	3.6	4.7
Voltage/phase/frequency/current (V/~/HZ/A)	230/1/50/16	400/3/50/8	230/1/50/16	400/3/50/8
Ceramic Coated Pistons	3	3	3	3
El cable (m)	5	5	5	5
Nozzle size	.0370	.0400	.0370	.0400
Standard equipment				
Ergo coupling kit	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369	61369
10 m wire hose DN6	301002275	301002275		
15 m wire hose DN6			6528613	6528613
Hose reel			106403184	106403184
Ergo 2000 stanard w. hose swivel	106403122	106403122	106403122	106403122
Universal Plus Lance 940 Bend w/o nozzle	106403036	106403036	106403036	106403036
Nozzle 0370 Inidcation ring bronze	101119737		101119737	
Nozzle 0400 Inidcation ring metal grey		101119738		101119738
ITEM NO.	**107146895**	**107146903**	**107146896**	**107146905**

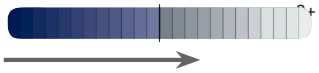
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MH 4M gives you performance, long life-time and ergonomics



Recommended avg. hours of use per day



TECHNICAL DATA	MH 4M-130/720 FA	MH 4M-180/860 FA	MH 4M-180/860 FAL	MH 4M-200/960 FA	MH 4M-200/960 FAX	MH 4M-210/1000 PAX	MH 4M-220/1000 FA	MH 4M-220/1000 FAX
Pump pressure (bar/MPa)	130/13	180/18	180/18	200/20	200/20	210/21	220/22	220/22
Cleaning impact (kg/force)	3	4.3	4.3	5.1	5.1	5.5	5.6	5.6
Water flow Qmax/Qiec (l/h)	720/660	860/790	860/790	960/890	960/890	1000/940	1000/940	1000/940
Pump (RPM)	1450	1450	1450	1450	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90	90/150	90/150	90/150	90/150	90/150
Max inlet temperature (°C)	40	40	40	40	40	40	40	40
Fuel consumption ΔT=45°C (kg/h)	2.9	3.5	3.5	3.9	3.9	4.1	4.1	4.1
Fuel tank (l)	15	15	15	15	15	15	15	15
Length x width x height (mm)	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016
Weight (kg)	141	133	133	142	142	149	142	149
Power consumption (kW)	3.6	5.9	5.9	7.2	7.2	8.0	7.2	7.2
Voltage/phase/frequency/current (V/~/HZ/A)	230/1/50/16	400/3/50/10	400/3/50/10	400/3/50/12	400/3/50/12	400/3/50/13,5	400/3/50/14	400/3/50/14
Detergent tank (l)	A: 10 + B:	A: 10 + B:	B: 10	A: 10 + B:	A: 10 + B:	A: 10 + B:	A: 10 + B:	A: 10 + B:
Ceramic pistons	3	3	3	3	3	3	3	3
El cable (m)	5	5	5	5	5	5	5	5
Nozzle size	.0435	.0435	.0435	.0475	.0475	.0475	.0475	.0475
Standard equipment								
Ergo coupling kit	101119496	101119496	101119496	101119496	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369	61369	61369	61369	61369	61369
NILFISK BA VALVE COMP. GARDENA	106411177	106411177		106411177	106411177		106411177	106411177
15 m 1wire hose DN8 w.Ergo female coupling					301001100	301001100		301001100
10 m 1wire hose DN8 w.Ergo female coupling	101405770	101405770	101405770	101405770			101405770	
Hose reel accessory					106403184	106403184		106403184
Ergo 2000 stanard w. hose swivel	106403122	106403122	106403122	106403122	106403122	106403122	106403122	106403122
Tornado Plus 1000 bend w/o nozzle				106403011	106403011	106403011	106403011	106403011
Universal Plus Lance 940 Bend w/o nozzle	106403036	106403036	106403036					
Nozzle 0435 indication ring blue	101119739	101119739	101119739					
Tornado nozzle 0475				301150005	301150005	301150005	301150005	301150005
Water filter complete	107144272	107144272		107144272	107144272	107144272	107144272	107144272
ITEM NO.	**107146915**	**107146917**	**107146916**	**107146920**	**107146922**	**107146912**	**107146938**	**107146940**

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MH 5M high performance, long life & optimal maneuverability



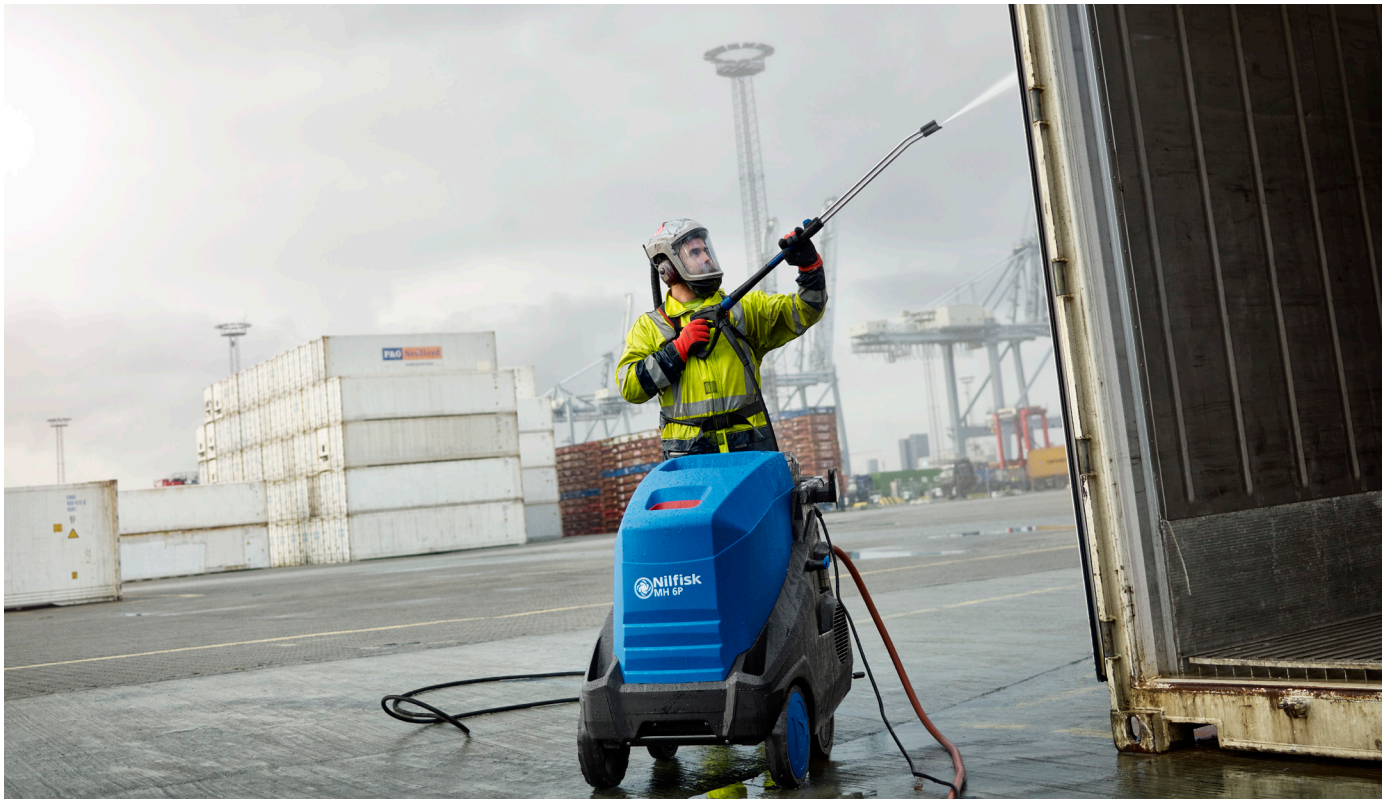
Recommended avg. hours of use per day

0 8+

TECHNICAL DATA

	MH 5M-200/960 FA	MH 5M-200/960 FAX	MH 5M-210/1100 FA	MH 5M-210/1100 FAX	MH 5M-210/1100 PAX	MH 5M E12 180/800 PA	MH 5M E24 180/800 PA
Pump pressure (bar/MPa)	200/20	200/20	210/21	210/21	210/21	180/18	180/18
Cleaning impact (kg/force)	5.1	5.1	6.1	6.1	6.1	4.0	4.0
Water flow Qmax/Qiec (l/h)	960/900	960/900	1100/1050	1100/1050	1100/1050	800/740	800/740
Pump (RPM)	1450	1450	1450	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90/150	90/150	90/150	30/80	30/80
Max inlet temperature (°C)	40	40	40	40	40	60	60
Fuel consumption ΔT=45°C (kg/h)	3.9	3.9	4.7	4.7	4.7	-	-
Fuel tank (l)	30	30	30	30	30	-	-
Length x width x height (mm)	1188x700x1020	1188x700x1020	1188x700x1020	1188x700x1020	1188x700x1020	1188x700x1045	1188x700x1045
Weight (kg)	171	174	174	179	179	125	131
Power consumption (kW)	7.2	7.2	7.9	7.9	7.9	17	29
Voltage/phase/frequency/current (V/~/HZ/A)	400/3/50/12	400/3/50/12	400/3/50/13.5	400/3/50/13.5	400/3/50/13.5	400/3/50/25	400/3/50/43
Detergent tank (l)	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10
Ceramic pistons	3	3	3	3	3	3	3
El cable (m)	5	5	5	5	5	5	5
Nozzle size	.0475	.0475	.0550	.0550	.0550	.0400	.0400
Standard equipment							
Ergo coupling kit	101119496	101119496	101119496	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369	61369	61369	61369	61369
20 m 1 wire hose DN8 1 w. Ergo female coupling		301001101		301001101	301001101		
10 m 1 wire hose DN8 1 w. Ergo female coupling	101405770		101405770			101405770	101405770
Hose reel accessory		106403184		106403184	106403184		
Ergo 2000 standard w. hose swivel	106403122	106403122	106403122	106403122	106403122	106403122	106403122
Tornado Plus 1120 bend w/o nozzle	106403010	106403010	106403010	106403010	106403010		
Tornado nozzle 0475	301150005	301150005					
Tornado nozzle 0400						101119738	101119738
Universal Plus 1080 bend w/o nozzle						106403035	106403035
Nozzle 0550 indication ring neongreen			101119743	101119743	101119743		
Water filter complet	107144272	107144272	107144272	107144272	107144272	107144272	107144272
ITEM NO.	**107146948**	**107146947**	**107146955**	**107146953**	**107146950**	**107146865**	**107146866**

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MH 6P tough and efficient - for heavy duty applications



Recommended avg. hours of use per day

8+



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 Qmax/Qiec (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**

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MH 7P and MH 8P heavy duty and efficient hot water cleaning for intense use

Recommended avg. hours of use per day

0 8+



TECHNICAL DATA	MH 7P-180/1260 FA	MH 7P-180/1260 FAX	MH 8P-180/2000 FA 400/3/50 EU	MH 8P-180/2000 FAX 400/3/50 EU
Pump pressure (bar/MPa)	180/18	180/18	180/18	180/18
Cleaning impact (kg/force)	6.3	6.3	10.6	10.6
Water flow Qmax/Qiec (l/h)	1260/1170	1260/1170	2000/1950	2000/1950
Pump (RPM)	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	70/150	70/150
Max inlet temperature (°C)	40	40	40	40
Fuel consumption ΔT=45°C (kg/h)	5.3	5.3	8.8	8.8
Fuel tank (l)	30	30	30	30
Length x width x height (mm)	1188x700x1045	1188x700x1045	1188x700x1045	1188x700x1045
Weight (kg)	195	204	219	227
Power consumption (kW)	7.6	7.6	14.7	14.7
Voltage/phase/frequency/current (V/~/HZ/A)	400/3/50/13.5	400/3/50/13.5	400/3/50/25	400/3/50/25
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	.0680	.0680	.1200	.1200
Standard equipment				
Ergo coupling kit	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369		
Spray handle w. swivel lock			106402190	106402190
10 m hose DN10 2W 3/8X3/8 INCH	6101766			
20 m wire hose 3/8 DN10		1402072		
HP-hose DN12X15M QC 3/8				101406187
HP-hose DN12X10M QC 3/8			101406186	
Hose reel accessory		106403184		106403184
Ergo 2000 standard w. hose swivel	106403122	106403122		
Tornado Plus 1120 bend w/o nozzle	106403010	106403010	106403010	106403010
Nozzle 0680 indication ring grey	101119747	101119747		
Nozzle 1200 indication ring caramele			101119758	101119758
Water filter complet	107144272	107144272	107144272	107144272
ITEM NO.	**107146980**	**107146982**	**107146970**	**107146965**

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Optimal maneuverability

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

After years of studing the maneuverability 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 maneuverability in movement
- Indication of spaces under chassis for transport via forklift
- Fixation points for straps to secure the machine during transport in vans & trailers

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