

## Advanced performance for maximum uptime

Driven by efficiency, our hot water high-pressure washers tackle even the toughest cleaning jobs with ease. The MH advanced range delivers powerful, reliable performance while cutting costs, downtime, and CO<sub>2</sub> emissions by up to 80% with biofuel -making it the smart choice for any operation.

Our biofuel-ready boiler is the core innovation. Its patented design delivers up to 96% energy efficiency by heating water quickly and maintaining consistent temperatures - boosting performance, reducing fuel use, and lowering costs. A cleaner burn also cuts soot, emissions, and maintenance.




The MH advanced range comes in a variety of power levels to match every category and cleaning need. All models deliver up to 80% lower CO<sub>2</sub> emissions when using biofuel.








Picture shown may not represent model quoted

- Variety of motor and pump sizes-enables flexible runtimes tailored to various industries
- Hot water efficiency-breaks down oils, greases, and fats more effectively than cold water
- AntiStone system minimises limescale build up when operating in hard water conditions\*
- Added Machine Protector enhances protection in soft water conditions-ensuring optimal performance and extended machine longevity
- Biofuel compatibility-enables operators to select fuels based on preference and availability (up to 80% lower emissions on biofuel)
- Locked presets ensure consistent results-saving time, effort, and detergent regardless of the user's skill level
- Language control and intuitive interface-offers a seamless user experience
- Quick switching and personalised presets-tailor to specific cleaning needs
- Durable, waterproof UI design-crafted to endure tough environments
- Step-by-step troubleshooting and maintenance guides-reduce unnecessary service calls
- Nilfisk Service App-provides simple diagnostics to accelerate service response and reduce costs by preventing unnecessary callouts and maintenance

• Standard equipment

Included accessories	Ref. no.	Min. required	MH45M-200/960 PAX 400/3/50 EU	MH45M-100/680 PA 230/1/50 UK	MH45M-100/680 PAX 230/1/50 UK
<b>High Pressure Female Coupling</b>					
 HOSE NOZZLE 20R3/4	61369	0	•	•	•
<b>Hose, High Pressure</b>					
 HP HOSE DN8X10M AGR-QC	106404762	0		•	
 HP HOSE DN8X15M AGR-QC	106404763	0	•		•
<b>Hose Reel</b>					

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Included accessories		Ref. no.	Min. required	MH45M-200/960 PAX 400/3/50 EU	MH45M-100/680 PA 230/1/50 UK	MH45M-100/680 PAX 230/1/50 UK
	HOSE REEL FOR MH RANGE	106404803	0	•		•
<b>Spray Gun</b>						
	ERGO 2000 SPRAY HANDLE W. HOSE SWIVEL	106404757	0	•	•	•
<b>Tornado Lance</b>						
	TORNADO PLUS 1000 BEND W/O NOZZLE	106404782	0	•	•	•
<b>Tornado Nozzle with Indication Ring</b>						
	TORNADO NOZZLE 0475	301150005	0	•	•	•
<b>Wet Filter</b>						
	FILTER WATER INLET 5000MM2 50µ MH BLUE	107143705	0	•	•	•

Model	MH45M-200/960 PAX 400/3/50 EU	MH45M-100/680 PA 230/1/50 UK	MH45M-100/680 PAX 230/1/50 UK
Ref. no.	107147106	107147123	107147124

PRODUCT FEATURES

Detergent tank	•	•	•
Single-phase		•	•
Three phase	•		
EcoPower boiler-high efficiency	•	•	•
Hose reel	•		•
Service indicator	•	•	•
Lance and spray gun storage	•	•	•
Automatic start/stop	•	•	•
Stainless steel boiler	•	•	•
1450 rpm motor	•	•	•
Water flow regulation	•	•	•
Water break tank	•	•	•
Flame sensor	•	•	•

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Ref. no.	107147106	107147123	107147124










## PRODUCT FEATURES

Exhaust gas temperature sensor	•	•	•
High pressure detergent system	•	•	•
Spray Gun Holder	•	•	•
Cable hook, turnable	•	•	•
Transportable by forklift truck	•	•	•
Fuel sight from outside	•	•	•
2 lance holder	•	•	•
Anti Stone	•	•	•
Storage box	•	•	•
LCD display	•	•	•
Embedded machine diagnostics	•	•	•












Technical specifications	MH45M-200/960 PAX 400/3/50 EU	MH45M-100/680 PA 230/1/50 UK	MH45M-100/680 PAX 230/1/50 UK
Pump Pressure (bar/MPa)	200	100	100
Cleaning impact (kg/force)	5.5	2.7	2.7
Voltage/frequency (V/Hz)	400/3/50	230/1/50	230/1/50
Power consumption (kW)	7.2	2.9	2.9
Sound pressure level (dB(A))	78	71	71
Working sound level (dB(A))	97	89	89
Water flow Qmax/Qiec (l/h)	960/890	680/630	680/630
Water temperature (water/steam) (°C)	90/150	90/150	90/150
Heating capacity (kW)	66	51	51
Fuel consumption at $\Delta T=45^{\circ}\text{C}$ (kg/h)	3.8	2.7	2.7
Fuel type boiler / motor	Diesel/Biodiesel	Diesel/Biodiesel	Diesel/Biodiesel
Fuel tank (l)	15	15	15
Detergent tank (l)	1x10	1x10	1x10
Nozzle size	.0475	.0475	.0475
Max. inlet temperature (°C)	30	30	30
Min. inlet water pressure at full flow (bar)	1	1	1
Dimensions, L x W x H (mm)	1010x700x1016	1010x700x1016	1010x700x1016
Weight (kg)	165	151	154
Fuse circuit (A)	C16	C13	C13

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● Standard equipment, ○ Supplementary accessories, □ Mountable equipment

Accessories	Ref. no.	Min. required	MH45M-200/960 PAX 400/3/50 EU	MH45M-100/680 PA 230/1/50 UK	MH45M-100/680 PAX 230/1/50 UK
<b>High Pressure Female Coupling</b>					
 HOSE NOZZLE 20R3/4	61369	0	●	●	●
<b>Short Lance</b>					
 SINGLE LANCE W/O NOZZLE 90MM	106402151	0	○	○	○
<b>Tornado Nozzle with Indication Ring</b>					
 TORNADO NOZZLE 0475	301150005	0	●	●	●
<b>Injector and Foam Sprayer</b>					
 FOAMSPRAYER VARIO 1 LTR 055	106408235	0	○	○	○
 NILFISK FOAMSPRAYER VARIO HF 0950	106408236	0	○		
<b>Wet Filter</b>					
 FILTER WATER INLET 5000MM2 50µ MH BLUE	107143705	0	●	●	●
<b>Spray Gun</b>					
 ERGO 2000 SPRAY HANDLE W. HOSE SWIVEL	106404757	0	●	●	●
<b>Hose, High Pressure</b>					
 HP HOSE DN8X10M AGR-QC	106404762	0		●	
 HP HOSE DN8X15M AGR-QC	106404763	0	●		●
<b>Detergent Equipment</b>					

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Accessories		Ref. no.	Min. required	MH45M-200/960 PAX 400/3/50 EU	MH45M-100/680 PA 230/1/50 UK	MH45M-100/680 PAX 230/1/50 UK
	DETERGENT INJECTOR	106404767	0	○	○	○
	DETERGENT INJECTOR	106404772	0	○	○	○
	DETERGENT INJECTOR W DOSING VALVE	106404769	0	○	○	○
	DETERGENT INJECTOR W DOSING VALVE SS	106404768	0	○	○	○
	DETERGENT INJECTOR FOR AGGRESSIVE LIQUID	106404771	0	○	○	○
	DETERGENT INJECTOR STANDARD	106404770	0	○	○	○
<b>Tornado Lance</b>						
	TORNADO PLUS 630 STRAIGHT W/O NOZZLE	106404781	0	○	○	○
	TORNADO PLUS 1000 BEND W/O NOZZLE	106404782	0	●	●	●
	TORNADO PLUS 1120 BEND W/O NOZZLE	106404779	0	○	○	○
	TORNADO PLUS 2080 BEND W/O NOZZLE	106404780	0	○	○	○
<b>Universal Lance</b>						
	UNIVERSAL PLUS 650 STRAIGHT W/O NOZZLE	106404784	0	○	○	○

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Accessories		Ref. no.	Min. required	MH45M-200/960 PAX 400/3/50 EU	MH45M-100/680 PA 230/1/50 UK	MH45M-100/680 PAX 230/1/50 UK
	UNIVERSAL PLUS 940 BEND W/O NOZZLE	106404790	0	○	○	○
	UNIVERSAL PLUS 1080 BEND 170 F. BRUSH	106404785	0	○	○	○
	UNIVERSAL PLUS 1080 STRAIGHT W/O NOZZLE	106404788	0	○	○	○
	UNIVERSAL PLUS 1560 STRAIGHT W/O NOZZLE	106404786	0	○	○	○
	UNIVERSAL PLUS 2060 STRAIGHT W/O NOZZLE	106404791	0	○	○	○
	UNIVERSAL PLUS 1080 BEND W/O NOZZLE	106404789	0	○	○	○
	UNIVERSAL PLUS 1230 BEND W/O NOZZLE	106404787	0	○	○	○
<b>Hose Reel</b>						
	HOSE REEL FOR MH RANGE	106404803	0	●	○	●