

makes a difference

Performance | Reliability | User Friendly | Fuel Efficient





The next stage of innovation

Kärcher's M-Class & S-Class hot water pressure washers are exceptional cleaners in addition to their rugged dependability and ease of use. A unique *eco!efficiency* mode allows these machines to operate in the most economical temperature range, saving operating costs while still providing an environmentally friendly cleaning solution. Kärcher's innovative and technologically superior lineup of equipment makes them indispensable wherever professional cleanliness is a must: in the Agricultural, Automotive, and Building Services industries, among others.

Environmental protection

Kärcher equipment features an *eco!efficiency* mode, a service switch for controlling water hardness, turbo fan, precision detergent metering, optimized burner technology and high-efficiency pump for a greener cleaning solution.

User friendliness

Kärcher units are more intuitive to operate thanks to a number of user-friendly features. These include a central, clearly arranged control panel; a spray lance holder; LED display; EASY!Force trigger gun; 1050 mm stainless steel wand that swivels under pressure; and up to 15 metres of high pressure hose with built-in swivel.



Cleaning performance

Highly efficient cleaning is the standard thanks to Kärcher's patented nozzle technology, ceramic pistons, turbo fan, and increased pump efficiency. Accessories are optimised for specific applications and designed to suit user requirements.

Mobility

Kärcher units feature dual casters, large rubber-tyre wheels, ergonomic handles, lifting points for handling with a forklift, lashing rings, and a recessed tread for tilting, ensuring ease of mobility.

Operational Reliability

Our equipment will operate reliably whenever you need it to, thanks to safety features like gas flue monitoring; a corrosion-proof, robust chassis; machine protector system; three-piston axial pump with ceramic pistons; heat resistant flue outlet; and much more.

6 **Service friendliness**


Easy access to all components translates to efficient, trouble-free service.

Environmentally Friendly and Efficient.

Kärcher M-Class & S-Class hot water pressure washers impress users with their quality, performance, reliability, and efficiency. These characteristics are a direct result of the many design details developed after numerous field tests and consultations with you - *The Professional User*.



ecoefficiency mode

 Kärcher's hot water pressure washers are the first in the industry to offer an ecoefficiency mode. This enables the machine to operate in the most economical temperature range (60° C) and at the maximum water flow rate, reducing fuel consumption by 25% and optimising burner operating cycles compared to full-load operation at the maximum 82° C.



Service switch

Kärcher's M & S-Class series features a service switch that offers a choice of five settings to suit local water hardness. This allows optimum metered quantities of anti-scaler and corrosion inhibitor to be added to the inlet supply, and prevents the build-up of lime scale on the heater coil. Operating data can be called up any time, allowing the system to be fine tuned for ultimate reliability.



Time-proven burner technology with new turbo fan



Kärcher burner technology not only translates to more economical operation, but also makes our hot water pressure washers the Benchmark in environmental protection thanks to their low emissions and highly efficient operation.



EASY!Force Trigger Gun with Servo Control



The EASY!Force trigger gun significantly reduces holding and operation effort. The



Servo Controller allows the user to adjust water flow rate and operating pressure directly from the trigger gun.



Three-piston axial pump

Our new, optimised pump delivers high efficiency and a long service life.



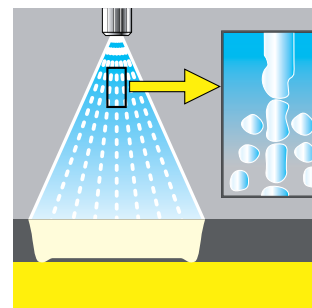
Detergent switch

Our detergent switch offers convenience and eliminates error by allowing the user to select the exact metered quantity required from the two integrated detergent tanks. In the "0" position (feed off), the system is rinsed clear with fresh water.



4-pole motor

Kärcher 4-pole motors are low-speed and water-cooled, providing quiet operation and a long service life.



Power nozzle

Kärcher's patented power nozzle cleans large areas thoroughly, with more power and efficiency than similar nozzles offered by the competition. Compared to a convention nozzle, the power nozzle's sharp-contoured spray jet of large droplets increases impact pressure by up to 40%, making quick work of the dirtiest jobs.

Our M-Class & S-Class Pressure Cleaners offer Unbeatable Versatility

Kärcher's M & S-Class washers combine innovative technology with operator convenience for a lineup that is economical and durable, and boasts unparalleled versatility, even in the most difficult operating conditions.



1 Control panel

The controls and LED indicators on the new Kärcher full-size hot water pressure washers are laid out clearly and designed for intuitive operation.

1.1 LED indicators

- Pump: Low oil, leak, dry-run cutout
- Motor: Overload, phase failure, over/under voltage
- Burner: Flue gas temperature
- Service: Times
- Fuel: Tank empty
- Machine Protector: Tank empty

1.2 Pressure gauge

Selected operating pressure.

1.3 Detergent switch

1.4 Main switch

Cold and hot water mode, steam mode, ECO mode.

1.5 Temperature switch

For accurate adjustment of temperature.

2.1 Defined lifting points for forklift

Our new generation of high-pressure cleaners has defined lifting points for handling with a forklift – ideal for loading and unloading.

2.2 Lashing rings

Defined rope attachment points for safe transportation in a service vehicle.

2.3 Maneuverability

Sturdy large diameter wheels with rubber tires and casters guarantee trouble-free maneuverability. This is enhanced by ergonomic handles, which allow the user to easily push or pull the machine.

2.4 Tilting aid

The tilting aid enables the machine to be raised at the front to overcome obstacles such as steps.



**3 Flue gas temperature sensor/
Stainless steel flue outlet**

The flue gas temperature sensor inside the flue automatically shuts the machine off when the flue temperature exceeds 300° C, ensuring greater safety for both the machine and the operator.

Ceramic pistons

The three pistons of the axial pump are coated in durable, wear-resistant ceramics, guaranteeing an exceptionally long wear life.

5 Chassis

The chassis is made of corrosion-free plastic, and contains an all-round bump guard and built-in fuel and detergent tanks.

Fine mesh water filter

The fine mesh water filter upstream of the float tank traps suspended matter and protects the high-pressure pump from impurities.

7 SDS Soft damping system

The SDS Soft Damping System compensates for pressure surges in the high-pressure system and prolongs the life of all high-pressure components, including the heater coil.

Spray lance

HDS series machines are equipped with lance holders on both sides of the cover for secure stowage and transportation.

9 Accessory compartment

Each basic machine has a large capacity hinged accessory compartment for storing tools and accessories.

High-pressure hose reel

You can choose optional hose reels that will hold up to 60 metres of high-pressure hose.

11 Service friendliness

All components are easily accessible via a machine cover that is quickly unlocked and removed, making service fast and simple.

12 System care

Kärcher's new machine protector system guards against the buildup of lime scale on heater coils. Cleaning agents in the Advanced series are formulated to protect and maintain the appearance of the whole machine.

Hot Water | Electric Powered | Diesel Heated | Electric Heated

EASY! Full-size power

The perfect machines for car dealers, building trades, agricultural, industrial, and municipal use. Kärcher "M" Class and "S" Class Hot Water Pressure Cleaners set standards in terms of technology, performance, ease of use, economy, service life, and environmental protection.



HDS 7/12-4 M HDS 8/17-4 M HDS 10/20-4 M HDS 12/18-4 S HDS 13/20-4 S HDS-E 8/16-4 M 36kW

- Kärcher direct-drive Axial Pumps
- Industrial-grade accessories
- Efficient burner uses less fuel
- Complete machine shut-down at the gun
- Low fuel shut-off / low water protection
- High temperature protection
- Variable flow, pressure, temp, & soap
- Steam capable at the turn of a knob

Technical Data

Litres per Hour	350 0 700	400 - 800	500 - 1000	600 - 1200	650 - 1300	300 - 600
BAR	30 - 120	30 - 170	30 - 200	30 - 180	30 - 200	30 - 160
kW	3.4	4.5	7.8	8.4	9.3	41.5
Electrical	240Volt / 1ph	420Volt / 3ph	420Volt / 3ph	420Volt / 3ph	420V / 3ph	400V / 3ph
Pump	Kärcher Axial	Kärcher Axial	Kärcher Axial	Kärcher Axial	Kärcher Axial	Kärcher Axial
Weight	146	155	171	178	186	118
Dimensions L x W x H mm	1330 x 750 1060	1330 x 750 1060	1330 x 750 1060	1330 x 750 1060	1330 x 750 1060	1330 x 740 x 1060
Order Number	1.077-903.0	1.077-608.0	1.071-903.0	1.071-407.0	1.071-928.0	1.030-906.0

