

Our new medium and super class hot water high-pressure cleaners not only do a first-class job of cleaning, they are also extremely rugged and simple to operate. The new ECO mode, unique to Kärcher, makes them truly unbeatable. When the machine is set to this mode it operates automatically in the most economical temperature range. This not only saves running costs, it is also good for the environment.

Standard accessories:

- Trigger gun : Easy Press
- Trigger gun with soft grip
- High-pressure hose 10 m Longlife
- Spray lance 1050 mm
- Power nozzle
- Servo-Control
- Anti-twist system (AVS)
- Three piston axial pump with ceramic piston
- Pressure switch control
- Pole reversing plug (three-phase)
- SDS system
- Electronic service control
- Electronic service control with LED display
- 2 detergent tanks
- Dry run cut-out

**Order no.: 1.071-803.0****Technical data**

Power supply Ph/V/Hz	3/420/50
Water flow rate (l/h)	650-1300
Pressure (bar/MPa)	30-200/3-20
Max. temperature (°C)	155-80
Connected load	9.3
Consumption fuel oil (kg/h)	9.1
Fuel tank (l)	25
Weight (kg)	186
Dimensions (L x W x H) (mm)	1330x750x1060
Detergent tank (l)	20
Detergent tank (l)	20-10

Details

Description

The hot water high-pressure cleaners of the new middle- and super-class convince with their 6 main features.

1. Environmental protection

Greater efficiency with the new ECO mode, service switch for controlling water hardness, turbo fan, precision detergent metering, optimized burner technology and a high-efficiency pump.

2. User friendliness

This is ensured by a central, clearly arranged control panel designed for intuitive operation, a spray lance holder, LED display, an integral, low-friction hose reel for 20 metres hose that swivels through 180°, and much more.

3. Cleaning performance

Highly efficient cleaning is guaranteed by patented nozzle technology, ceramic pistons, turbo fan as well as increased pump efficiency. Accessories are optimized for specific applications and designed to exactly suit customer requirements.

4. Mobility

The mobility concept features two casters, large rubber-tyred wheels, ergonomic handles, lifting points for handling with a forklift, lashing rings and a recessed tread for tilting the machine to guarantee maximum manoeuvrability.

5. Reliability

Guaranteed by flue gas monitoring, a corrosion-proof, flexurally stiff, 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 that require servicing and a service switch to call up operating data at any time for troubleshooting.

Application

For medium-sized shops and automobile business

For car washes

For chassis washing

For engine washing

For the pre-wash in car washes

General cleaning tasks in the industry, municipalities and agriculture

Features & Benefits

The new ECO mode

In the ECO mode the machine operates in the most economical temperature range (60°C) and at the maximum water flow rate. Compared to full-load operation at 80°C, fuel consumption is reduced by up to 20% by optimizing burner operating cycles.

Service switch

The service switch offers a choice of five settings to suit local water hardness. This allows optimum metered quantities of descaler and corrosion inhibitor to be added. And it prevents the build-up of limescale on the heater coil. Furthermore, operating data (machine service) can be called up at any time.

Easy Press and Servo Control

The Easy Press trigger gun significantly reduces holding and operating effort.

The precise Servo controller allows the user to adjust the water flow rate and operating pressure directly on the trigger gun.

Three-piston axial pump

The new, optimized pump is characterized by particularly high efficiency and a long service life.

Ceramic pistons

The three pistons of the axial pump are made of hard, wear-resistant ceramics. This guarantees an exceptionally long wear life.

Detergent switch

The detergent switch is used to select the exactly metered quantities required from the detergent tanks. In the 'O' position (feed off), the system is rinsed clear with fresh water.

4-pole motor

The main features of the 4-pole low-speed motor are its longevity and low noise level.

Control panel

The controls and LED indicators on the new Kärcher medium and super class hot water high-pressure cleaners are clearly laid out and designed for intuitive operation.

Defined lifting points for forklift

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

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

Manoeuvrability

Sturdy large diameter wheels with rubber tyres and casters guarantee trouble-free manoeuvrability. This is enhanced by the ergonomic handles, which are suitable for pushing or pulling the machine.

Tilting aid

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

Flue gas temperature sensor

Hot water super class

HDS 13/20-4 S *AU



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

Chassis

The chassis is made of corrosion-free plastic. It has 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.

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 (e.g. heater coil).

Low fuel cut-out

The unit shuts down automatically when the tank is empty.

Decalcification-System

Automatic dosage of scale inhibitor protects heater coil against the build-up of limescale.

Accessories

Accumulator kit

Add-on accumulator for HDS M/S

The accumulator can be mounted on the HDS machine in order to dampen pressure surges, which conserves the machine's line system.

Order no. 2.641-803.0



Adapter

Adapter M22 - Swivel

M22 x 1,5 female and swivel connection. For extension of high-pressure hoses with AVS connection or for usage of the telescopic lance with a high-pressure hose with AVS connection.

Order no. 4.424-004.0



Automatic, self-winding hose reels

Hose reel, automatic, 20 m, painted

Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.

Order no. 2.639-919.0



Swivel holder

Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.

Order no. 2.639-931.0



Hose reel, automatic, 20 m, stainless steel

Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.

Order no. 6.391-421.0



Automatic, self-winding hose reels

ABS hose reel stainless steel

High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrosion-resistant, watertight capsuled sprung drive. Connection for HP hoses with nipple.

Order no. 2.641-866.0



ABS wall fastening stainless steel

Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.

Order no. 2.641-867.0



Crane lifting kit

Crane loading kit for HDS middle and super class

Effortless loading by crane.

Order no. 2.642-424.0



Cup foam lance

Cup foam lance

Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.

Order no. 6.394-668.0



Tank 1L

Order no. 6.414-954.0



Doppelstrahlrohr

Double lance 960 mm

960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).

Order no. 6.394-665.0



Fass- und Behälterreinigung

Barrel cleaner

The BC 14/12 is an spray system for the efficient interior cleaning of containers and barrels, specially oak barrels with a volume of between 225 and 600 litres. One cleaning cycle is completed within 36 seconds and every spot in the container is covered by a water jet. After cleaning is finished the BC 14/12 can easily and conveniently take up the dirty water. The transformer included with the BC 14/12 makes it possible to use it worldwide (110 - 240 V, 50 - 60 Hz). The nozzle kits included make possible use with high-pressure cleaners with a water volume of 600 to 1400 l / h. Electrical components are protected in accordance with IP 55.

Order no. 2.641-740.0



Flexible spray lance

Flexible lance 1050 mm

1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.

Order no. 6.394-654.0



Flue pipe

Flue gas adapter

Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).

Order no. 4.656-079.0



Geka coupling

Geka coupling with hose liner, 1"

Order no. 6.388-465.0



Longlife 400 with unions on both sides

High-pressure hose 1.5 m, DN 8, including □ connectors

1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).

Order no. 6.390-178.0



Longlife food industry version

High-pressure hose Longlife 400, 10 m, DN 8, AVS trigger gun connection

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)

Order no. 6.391-885.0



High-pressure hose Longlife 400, 20 m, DN 8, AVS trigger gun connection

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)

Order no. 6.391-886.0



Nozzle union

Nozzle union food industry

Made of special brass alloy for use in the food industry.

Order no. 5.401-318.0



Pipe cleaning nozzle

Pipe cleaning nozzle

24 mm brass pipe cleaning nozzle with external thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.

Order no. 5.763-012.0



Pipe cleaning nozzle

24 mm brass pipe cleaning nozzle with external thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.

Order no. 5.763-013.0



Quick connect

Quick coupling

For quick change of different spray lances and accessories. Optimum adaption to Kärcher accessories, especially for connection between trigger gun and spray lance. With M22 x 1,5 female.

Order no. 6.401-458.0



Plug nipple

Hardened stainless steel nipple for quick coupling 6.401-458. With M22 x 1,5 male.

Order no. 6.401-459.0



Rotary coupling

Rotary coupling

Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector M 22 x 1.5 m. With grip protection.

Order no. 4.401-091.0



Rotating spray lances

1050 mm lance, rotatable, ergonomic

1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

Order no. 4.760-660.0



Rotatable lance, 600 mm, ergonomic

600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

Order no. 4.760-664.0



Lance 850 mm, rotatable, ergonomic

850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

Order no. 4.760-663.0



Lance 1550 mm, rotatable, ergonomic

1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

Order no. 4.760-661.0



Lance 2050 mm, rotatable, ergonomic

2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

Order no. 4.760-662.0



Hot water super class

HDS 13/20-4 S *AU



Special hoses

High-pressure hose, 1.5 m DN 8, connection to hose reel

Order no. 6.388-886.0



Spray lance

Lance 250 mm, non-rotatable

250 mm stainless steel lance. With manual coupling. Non-rotatable.

Order no. 4.760-667.0



Suction filter

Water filter

Order no. 6.414-956.0



Telescopic spray lance

Telescopic jet pipe

Order no. 6.394-690.0



Hot water super class

HDS 13/20-4 S *AU



Trigger guns

High end high-pressure trigger gun

Robust, professional trigger gun made of food-grade and seawater resistant materials. With optimised flow for low pressure loss at water flow rates of up to 2500 l/h.

Order no. 4.775-823.0



Y distributor

Y distributor

Order no. 4.405-048.0

