

Hot water middle class
HDS 7/9-4 M (110V)

Medium class 110V hot water high-pressure cleaner with a host of user-friendly features.

Equipment:

- Trigger gun Easy-press trigger gun
- Trigger gun with soft grip
- High-pressure hose 10 m
- Spray lance 1050 mm
- Power nozzle
- Servo Control
- Anti-twist system (AVS)
- Tanks for detergent, scale inhibitor and fuel can be filled from outside
- Three piston axial pump with ceramic piston
- Pressure switch control
- Electronic service control
- Electronic service control with LED display
- 2 detergent tanks
- Dry running protection



Order no.: 1.077-412.0

Technical data

Current type Ph/V/Hz	1/110/50
Flow rate (l/h)	350-700
Pressure (bar/MPa)	30-90/3-9
Max. temperature (°C)	80-155
Power rating (kW)	3.2
Consumption fuel oil (kg/h)	4.6
Fuel tank (l)	25
Fuel tank (cc ³)	-
Weight (kg)	146
Dimensions (L x W x H) (mm)	1330x750x1060
Detergent tank (l)	20-10

Details

Description

Kärcher's HDS middle class hot water high-pressure cleaners reach very high levels of performance, reliability and economy. With innovative features such as the eco!efficiency mode, offering fuel savings of up to 20% without compromising cleaning performance, 4-pole motors for high performance and long life, on-board diagnostics, and 3-year burner coil warranty, the HDS middle class range provides our customers with the toughness, cleaning power, and low running costs they demand. The HDS 7/9-4 M features a 4-pole, air-cooled 110V electric motor with long-life bearings and a 3-piston axial pump with ceramic pistons. With water flow of up to 700 litres per hour, and up to 90 bar pressure, the 7/9 is a great all-round machine with superb performance for daily and deep cleaning jobs where 110V power supply is required.

Accessories

Accumulator kits

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

Add-on kit hose reel HDS M/S

Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.

Order no. 2.642-957.0



Add-on kit holder for automatic hose reel HDS-M

Order no. 2.643-040.0



Add-on kit hose reel plastics

Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.

Order no. 6.392-975.0



Add-on kit hose reel

Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.

Order no. 6.392-965.0



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.



Automatic, self-winding hose reels

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



Barrel and tank cleaning

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

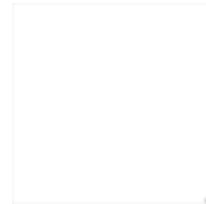


Crane lifting kit

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



Double lance

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



Flächenreiniger FRV 30 ME

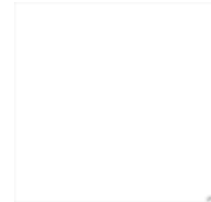
FRV 30 ME

Order no. 2.642-911.0



Suction hose FRV 30 me

Order no. 4.441-040.0



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. 4.656-149.0



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. 4.656-080.0



Geka coupling

With hose nozzle, R 1"

Order no. 6.388-465.0



Gerätespezifische Düsenkits für FRV

Nozzle kit 050 for FRV 30

Order no. 2.642-433.0



Gutter cleaner

Gutter cleaning lance

The lance is suited for cleaning of gutter systems. Because of the shape of the lance and the special nozzle the gutter can be cleaned without removing the cover plates.



Order no. 2.642-305.0

Hard surface cleaner FRV 30

FRV 30

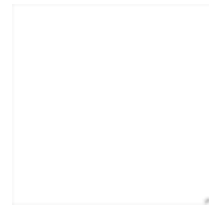
Order no. 2.642-999.0



Add-on kit rubber lip

For smooth floors indoors. The squeegee increases the suction performance of the FRV 30 and minimises the amount of water remaining. This means the floor is dry in just a few minutes.

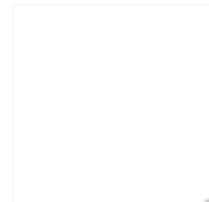
Order no. 2.642-910.0



Extension hose 5 m

5m extension hose for FRV 30. Connection sleeve included.

Order no. 4.440-939.0



iSolar-Bürsten und Wasserenthärtung

Brush iSolar 400

Water-driven disc brushes with a working width of 400 mm for cleaning smaller and medium-sized photovoltaic systems. Also perfect for use on elevated systems.

Order no. 6.368-456.0



Brush iSolar 800

Water-powered brush head (800 mm) with two contra-rotating disc brushes for cleaning photovoltaic systems. With flexible angle joint for uniform cleaning.

Order no. 6.368-454.0



iSolar-Bürsten und Wasserenthärtung

Case sheet steel

Certified personal security system for rooftop work. Contents: Travelling fall arrestor with shock absorber and 15 m kernmantle rope, harness, anchoring sling and sheet steel case.

Order no. 6.988-152.0



Longlife 400

High-pressure hose packaged

Order no. 6.391-351.0



Longlife 400 with unions on both sides

High-pressure hose 1.5 m, DN 8, including ½ 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



High-pressure hose packaged

Order no. 6.391-354.0



High-pressure hose Longlife 400, 15 m, DN 8, including rotary coupling

With rotary coupling, 2 x M 22 x 1.5

Order no. 6.389-709.0



High-pressure hose Longlife 400, 30 m DN 8, including rotary coupling

With rotary coupling, 2 x M 22 x 1.5

Order no. 6.390-294.0



Longlife food industry version

High-pressure hose Longlife 400, 10 m, ID 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



Longlife food industry version

High-pressure hose Longlife 400, 20 m, ID 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



Longlife food industry version with unions on both sides

High pressure hose food DN 8 / 10 m

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1,5

Order no. 6.391-864.0



High-pressure hose food industry 400 bar, 20 m, DN 8, including rotary coupling

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1,5

Order no. 6.391-887.0



Pipe cleaning hose, ID 6

Pipe cleaning hose, DN 6, 20 m, 220 bar

20 m flexible high-pressure hose (DN 6) for cleaning pipes up to 220 bar (threaded connection for R 1/8 nozzle).

Order no. 6.390-030.0



Pipe cleaning nozzle

Drain cleaning dirt blaster D 25/060

The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.

Order no. 6.415-945.0



Drain cleaning dirt blaster D 30/060

The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.

Order no. 6.415-947.0



Drain cleaning dirt blaster D 35/060

The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.

Order no. 6.415-949.0



Power nozzle spray angle 25°

Order no. 2.884-521.0



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



Rotating spray lances

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



Solarreinigung

iSolar TL 7 H (without hose)

Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and practical quick-release couplings for easy extension and retraction.

Order no. 4.107-054.0



Telescopic rod complete 10m

Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 10 m max. reach and practical quick-release couplings for easy extension and retraction.

Order no. 4.107-053.0



Telescopic rod complete 10m CFK

Order no. 4.107-055.0



Telescopic rod complete 14m

Full carbon telescopic rod for maximum rigidity with minimal weight. With 14 m max. reach and practical quick-release couplings for easy extension and retraction.

Order no. 4.107-052.0



Hose solar

High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.

Order no. 6.392-978.0



Solarreinigung

Hose solar

High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.

Order no. 6.392-977.0



Hose solar

High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.

Order no. 6.392-976.0



Spray lance

Lance 250 mm, non-rotatable

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

Order no. 4.760-667.0



Spray lances

Anti-vibration lance

The spring-loaded 360° loop handle significantly reduces the vibrations on the spray lance, reducing the physical burden on the user, e.g. when working with the dirt blaster.

Order no. 6.415-951.0



Standard with unions on both sides

High-pressure hose packaged

Order no. 6.391-342.0



High-pressure hose, 30 m DN 8, including rotary coupling

With rotary coupling, 2 x M 22 x 1.5

Order no. 6.390-293.0



Suction filter

Water filter

Order no. 6.414-956.0



Telescopic spray lance

Telescopic jet pipe

Order no. 6.394-690.0



Restraint belt for telescopic jet pipe

Convenient strap for relief when working with the telescopic spray lance (6.394-690). The burden is optimally distributed on the body and longer periods of use are possible.

Order no. 6.373-987.0



Trigger guns

High end high-pressure trigger gun

Order no. 4.775-823.0

