



Hot water high-pressure cleaner



1 Water-cooled four-pole electric motor

- Long service life.
- Improved efficiency.

2 Innovative burner technology

- High heat output.
- Spiral heating coil for a compact design.

3 High efficiency

- Efficient and economical cleaning thanks to the use of hot water.
- Short set-up times reduce working hours.

4 Flexible operating concept

- Central control panel on the machine.
- Remote controls can be used directly at the outlet.



HDS 12/14-4 ST

- Integrated system pressure relief
- Soft Damping System (SDS)
- Dry-running protection

Technical data

Order no.	1.699-919.0	
EAN code	4039784730465	
Supply voltage	Ph / V / Hz	3 / 400 / 50
Fuse protection	A	20
Flow rate	l/h	600–1200
Pressure	bar / MPa	30–140 / 3–14
Max. temperature (supply 12 °C)	°C	155 / 80
Connection load	kW	7.5
Consumption, heating oil/gas	kg/h	7.3
Weight	kg	160
Dimensions (L × W × H)	mm	1110 × 565 × 700

Equipment

Soft Damping System (SDS)	■
System pressure relief	■
Flame monitoring	■
Ready for Servo Control	■
Ready for remote control	■

■ Included in delivery.

Accessories for HDS 12/14-4 ST

1.699-919.0



	Order no.	ID	Max. working pressure	Length	Price	Description	
Standard with unions on both sides							
High-pressure hose, 10 m, ID 8, 315 bar, extension piece	1	6.391-342.0	ID 8	315 bar	10 m		▲
Longlife 400 with unions on both sides							
Longlife 400 high-pressure hose, 10 m, DN 8, extension piece	2	6.391-354.0	ID 8	400 bar	10 m		▲
High-pressure hose 1.5 m, ID 8, including connectors	3	6.390-178.0	ID 8	400 bar	1.5 m	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).	□
High-pressure hose Longlife 400, 10 m, ID 8, including rotary coupling	4	6.388-083.0	ID 8	400 bar	10 m	10 m high-pressure hose Longlife 400 (DN 8) with rotary coupling, two layer high-strength steel wire reinforced. Connectors at both ends. M 22 x 1.5, with kink protection.	□
Longlife food design with screw connections at both ends							
High pressure hose food ID 8, 10 m	5	6.391-864.0	ID 8	400 bar	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	▲
High-pressure hose food industry 400 bar, 20 m, ID 8, including rotary coupling	6	6.391-887.0	ID 8	400 bar	20 m		▲
Food industry version with unions on both sides							
High-pressure hose, 10 m, DN 8, suitable for the food industry, extension piece	7	6.389-479.0	ID 8	250 bar	10 m	10 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. M 22 x 1.5 with anti-kink sleeve.	□
High-pressure hose, 20 m, ID 8, suitable for food industry, extension piece	8	6.389-581.0	ID 8	250 bar	20 m	20 m high-pressure hose (DN 8) with swivel coupling. Non-discolouring outer layer for use in the food industry. Connectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.	□

□ Available accessories. ▲ Extension hose.

Accessories for HDS 12/14-4 ST

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KÄRCHER



		Order no.				Price	Description	
Fuel supply								
Hose kit, fuel oil	1	2.440-001.0					Fuel hose kit for stationary HDS cleaning systems. Contents: 2 fuel oil hoses (DN 4, 1m) for flow and return, 2 galvanised steel compression fittings.	<input type="checkbox"/>
Fuel oil filter	2	4.730-033.0					Fuel oil filter with sight-glass for wall mounting. Flow shut-off device. Connection on burner side: M 12 x 1.5 for compression fitting union; Connection on supply side: 3/8" IG. Fixing material included.	<input type="checkbox"/>
Pipework set heating oil (5 m)	3	4.421-208.0						<input type="checkbox"/>
Heating oil tank, 700 l	4	6.392-071.0					700 l	<input type="checkbox"/>
Suction pipeline, heating oil	5	4.421-068.0						<input type="checkbox"/>
Take-off point equipment								
Hose and spray lance holder VA	6	2.042-003.0					Hose and spray lance wall holder for practical and safe storage of high-pressure hoses or spray lances. Stainless steel wall holder.	<input type="checkbox"/>
HP hose, rotary coupling, 10 mm LL	7	6.388-813.0						<input type="checkbox"/>
Remote control								
Remote control I-O, hot/cold, detergent 1-2	8	2.744-008.0					Remote control with switches, housing and fixing material for wall mounting. Functions: On/Off, hot/cold water and detergent stage 1/stage 2.	<input type="checkbox"/>
Multiple op. control, I-O, hot-cold, 1-2	9	2.744-011.0					w. I-O, hot-cold, 1-2	<input type="checkbox"/>
Priority switch	10	2.638-200.0						<input type="checkbox"/>
Coin acceptor, 50 cents	11	2.639-912.0						<input type="checkbox"/>
Coin acceptor, 1 €	12	2.639-913.0						<input type="checkbox"/>
Coin acceptor, 2 €	13	2.639-914.0						<input type="checkbox"/>
Coin acceptor, tokens	14	6.768-063.0					Token	<input type="checkbox"/>
Coin-operated remote control	15	2.637-806.0						<input type="checkbox"/>
Multiple coin-operated remote control	16	2.637-896.0						<input type="checkbox"/>
Multiple-operated control electronics	17	2.744-030.0						<input type="checkbox"/>
Locking SB-line, magnetic valve	18	4.743-012.0						<input type="checkbox"/>
Emergency shut-off button	19	6.631-557.0						<input type="checkbox"/>
Plant installation								
Wall bracket	20	2.053-005.0					Wall bracket	<input type="checkbox"/>
Floor rack	21	2.210-008.0					Plastic coated steel floor rack for storage of stationary HDS high-pressure cleaners. W x H x D 1100 x 700 x 490 mm.	<input type="checkbox"/>
Installation feet, adjustable	22	2.638-177.0					Feet, adjustable	<input type="checkbox"/>
Water hose; 1.5 m: DN 13; 3/4" nut, 1/2" thread	23	6.389-145.0						<input type="checkbox"/>
For low-pressure remote control, cleaning agent 1	24	2.637-779.0					For detergent changeover per remote control for stationary HS high-pressure cleaners. Includes level sensor, solenoid valve and dosing valve. Remote control required for operation.	<input type="checkbox"/>
For low-pressure remote control, cleaning agent 2	25	2.637-717.0					For detergent changeover per remote control for stationary HDS high-pressure cleaners. Includes 2 level sensors, 2 solenoid valves and 2 dosing valves. Remote control required for operation.	<input type="checkbox"/>
Detergent tank, 60 l, empty	26	5.070-078.0					60 l cleaning agent container, empty	<input type="checkbox"/>
Emergency Stop switch	27	2.744-002.0					Emergency Stop switch with ISO housing for wall mounting. With 0.4 m power cord and fixing material.	<input type="checkbox"/>

Available accessories. ▲ Extension hose.

Accessories for HDS 12/14-4 ST 1.699-919.0



									Order no.			Price	Description	
High-pressure pipework														
Connector, galvanised steel	28	2.638-180.0											Alternativ : stainless steel 2.638-181	<input type="checkbox"/>
Shut-off valve, galvanised steel	29	4.580-144.0											Shut-off valve, galvanised steel. Connects between high-pressure pipe system and high-pressure hose. Connectors: 1x M22 x 1.5 and 1x M24 x 1.5. With wall mounting plate and fixing material.	<input type="checkbox"/>
Pipe kit, galvanised steel, 3 m	30	2.420-004.0											High-pressure pipe kit with 3 m galvanised steel pipe Ø 16 x 2.5 mm, DN 11 and fixing accessories: Compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	<input type="checkbox"/>
Tee, galvanised steel	31	6.386-269.0											Tee (90°), galvanised steel with compression fitting for 16 mm pipes. Fixing material (Ermeto) included.	<input type="checkbox"/>
Elbow union, galvanised steel	32	6.386-356.0											Elbow union, galvanised steel. With 90° angle piece with compression fitting (Ermeto) at both ends for 16 mm pipes.	<input type="checkbox"/>
Pipe insulation, per running meter	33	6.286-147.0											For thermal insulation of pipes. Pipe cladding. Wall thickness 9 mm. PE foam with moisture barrier. Available per running meter.	<input type="checkbox"/>
Adapter piece, galvanised steel	34	2.638-182.0											Alternative: stainless steel 2.638-183	<input type="checkbox"/>
Quick-release coupling, fixed part	35	6.463-025.0											fixed part	<input type="checkbox"/>
Union nut, galvanised steel	36	6.386-423.0											Union nut, galvanised steel. For 16 mm compression fitting.	<input type="checkbox"/>
Cutting ring	37	6.386-357.0											Galvanised steel cutting ring. For 16 mm compression fitting.	<input type="checkbox"/>
High-pressure pipe kit	38	2.420-006.0											High-pressure pipe kit with 3 m stainless pipe Ø 16 x 2 mm, ID 12 and mounting accessories: compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	<input type="checkbox"/>
Connection piece, pipe/HP hose, stainless steel (Ermeto)	39	2.638-181.0											Stainless steel	<input type="checkbox"/>
Connection piece, pipe/stop cock, stainless steel (Ermeto)	40	2.638-183.0												<input type="checkbox"/>
Stop cock, stainless steel (Ermeto)	41	4.580-163.0												<input type="checkbox"/>
Union nut, stainless steel (Ermeto)	42	6.386-428.0											(VA)	<input type="checkbox"/>
T-screw connection, stainless steel (Ermeto)	43	6.386-465.0											Stainless steel	<input type="checkbox"/>
Stainless steel elbow union 90°	44	6.386-466.0											Stainless steel elbow union 90° with compression fitting (Ermeto) at both ends for 16 mm pipes.	<input type="checkbox"/>
Quick coupling, loose part, M 22 x 1.5	45	6.463-023.0											loose part	<input type="checkbox"/>
Flue pipe														
Flue gas adapter	46	4.656-080.0											Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	<input type="checkbox"/>
	47	4.656-079.0												<input type="checkbox"/>
Transition piece, oval-round, HDS 891 ST, rotatable	48	4.656-074.0											Sliding sleeve adapter	<input type="checkbox"/>
Transition piece, oval-round, HDS 1291 ST, rotatable	49	4.656-075.0												<input type="checkbox"/>
Pipe clamp for flue gas pipe, diameter 200 mm	50	6.373-374.0												<input type="checkbox"/>
Flue gas pipe	51	6.526-208.0												<input type="checkbox"/>
Hose track system high-pressure cleaners														
C-rail, per running metre	52	6.233-017.0											C-rail profile as a guide track. 30x32 mm, 2 mm wall thickness 1.56 kg/m. Available per running metre.	<input type="checkbox"/>
Rail connector	53	6.541-011.0												<input type="checkbox"/>
Hose reel with high-pressure hose, 20 m, automatic, open, aluminium	54	2.637-750.0											20m	<input type="checkbox"/>
End stop	55	6.541-025.0												<input type="checkbox"/>

Available accessories. ▲ Extension hose.

Accessories for HDS 12/14-4 ST 1.699-919.0



		Order no.	Flow rate				Price	Description	
Easy Press high-pressure trigger gun with holding force reduction (Kärcher patent)									
Easy Press HP trigger gun with soft grip	1	4.775-463.0						Easy press high-pressure trigger gun with softgrip. For high-pressure hoses DN 6 and DN 8 with 11 mm swivel diameter.	<input type="checkbox"/>
Easy Press HP trigger gun with soft grip, M22 x 1.5	2	4.775-466.0						Easy press high-pressure trigger gun with integrated adapter for connecting to high-pressure hoses M 22 x 1.5.	<input type="checkbox"/>
Servo control									
Servo control	3	4.775-470.0	750–1100 l/h						<input type="checkbox"/>

Available accessories. ▲ Extension hose.

Accessories for HDS 12/14-4 ST 1.699-919.0



		Order no.	Nozzle size				Price	Description	
Power nozzle spray angle 25°									
Power nozzle spray angle 25°	1	2.883-408.0	100						<input type="checkbox"/>

Available accessories. ▲ Extension hose.

Accessories for HDS 12/14-4 ST 1.699-919.0



		Order no.	Length				Price	Description	
Automatic, self-winding hose reels									
Automatic hose reel, coated	1	2.639-919.0	20 m					Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Powder-coated swivel holder	2	2.639-931.0						Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	<input type="checkbox"/>
Automatic hose reel, stainless steel, includes swivel holder	3	6.391-421.0	20 m					Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	
Automatic hose reel, powder-coated steel / plastic	4	6.392-975.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	<input type="checkbox"/>
Automatic stainless steel / synthetic material hose drum	5	6.392-965.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	<input type="checkbox"/>
ABS automatic stainless steel hose drum	6	2.641-866.0	20 m					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 sprong drive. Connection for HP hoses with nipple.	<input type="checkbox"/>
ABS pivoting stainless steel wall bracket	7	2.641-867.0						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.	<input type="checkbox"/>

Available accessories. ▲ Extension hose.

Accessories for HDS 12/14-4 ST 1.699-919.0



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		Order no.					Price	Description	
Tokens									
Tokens 26 x 2.3 mm	1	6.768-169.0							<input type="checkbox"/>
Miscellaneous									
Swinging boom 180°, wall-mounted	2	2.637-120.0							<input type="checkbox"/>

Available accessories. ▲ Extension hose.

Accessories for HDS 12/14-4 ST 1.699-919.0



		Order no.	Max. working pressure	Nozzle size	Diame-ter	Price	Description
Barrel and tank cleaning							
Barrel cleaner BC 14/12	1	2.641-740.0	120 bar				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.

□ Available accessories. ▲ Extension hose.