

## HDS 12/14-4 ST

Stationary diesel-fired high performance hot water high-pressure cleaner



Made in Germany



3-4 h



EASY!Force



5x  
LIFETIME  
FULL CERAMIC  
VALVE



1 x 360°  
EASY!Lock

Order no.

1.699-921.0

- Integrated system pressure relief
- SDS system
- Dry running protection

### Technical data

EAN code		4054278169521
Current type	Ph / V / Hz	3 / 400 / 50
Flow Rate	l/h	600 - 1200
Operating pressure	bar / MPa	30 - 140 / 3 - 14
Temperature (supply 12°C)	°C	min. 80 - max. 155
Power rating	kW	7.5
Consumption fuel oil	kg/h	7.1
Water feed		3/4"
number of simultaneous users		1
Mobility		Stationary
Fuse protection	A	20
Weight (with accessories)	kg	160.4
Weight incl. packaging	kg	164.9
Dimensions (L x W x H)	mm	1100 x 565 x 700

This device does not require instruction.

### Equipment

SDS system	■
System pressure relief	■
Flame monitor	■
Ready for Servo Control	■
Ready for remote control	■
RM1 dosing	■
Dry running protection	■
Storage tank with float valve	■
Water-cooled motor	■

■ Included in delivery.



## Water-cooled 4-pole electric motor (oil-heated)

- Long service life.
- Improved efficiency.
- Guaranteed quiet operation.



## Burner technology (oil-heated)

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



## High efficiency

- Truckwash
- Truckwash

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>TRIGGER GUNS</b>				
<b>Trigger guns</b>				
EASY!Force Advanced	1	4.118-005.0	Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.	<input type="checkbox"/>
EASY!Force conversion kit 1 - from high-pressure hose	2	4.111-050.0	For retrofitting Kärcher high-pressure cleaners with existing high-pressure hose: EASY!Force conversion kit 1 with EASY!Force high-pressure gun, spray lance and all adapters through to the nozzle.	<input type="checkbox"/>
EASY!Force conversion kit 2 - from machine	3	4.111-051.0	Developed for retrofitting existing high-pressure cleaners from Kärcher: EASY!Force conversion kit 2 with EASY!Force high-pressure gun, spray lance, high-pressure hose and necessary adapters.	<input type="checkbox"/>
EASY!Force conversion kit 3 - high-pressure gun	4	4.111-052.0	Compatible with existing high-pressure hose and spray lance: EASY!Force conversion kit 3, incl. EASY!Force trigger gun and all necessary adapters for upgrading your high-pressure cleaner.	<input type="checkbox"/>
<b>Easy Press high-pressure gun with holding power reduction (Kärcher patent)</b>				
Easy Press HP trigger gun with soft grip	5	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	6	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"/>
<b>Servo Control</b>				
Servo Control, 1100 l/h -	7	4.118-009.0	Servo control for water flow and pressure control (> 1100 l/h) on the trigger gun.	<input type="checkbox"/>
	8	4.775-471.0	Water quantity and pressure regulated directly from the hand spray gun.	<input type="checkbox"/>
<b>SPRAY LANCES</b>				
<b>Rotating spray lances</b>				
LED nozzle light	9	2.680-002.0	Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.	<input type="checkbox"/>
Spray lance, 250 mm, rotatable	10	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	<input type="checkbox"/>
Spray lance, 400 mm, rotatable	11	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	<input type="checkbox"/>
Spray lance, 600 mm, rotatable	12	4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Spray lance, 840 mm, rotatable	13	4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Spray lance, 1050 mm, rotatable	14	4.112-000.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories.

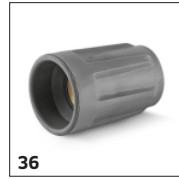
## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>SPRAY LANCES</b>				
<b>Rotating spray lances</b>				
Spray lance, 1550 mm, rotatable	15	4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Spray lance, 2050 mm, rotatable	16	4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Spray lance extender, 1000 mm	17	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	<input type="checkbox"/>
Spray lance, 600 mm, rotatable	18	4.760-664.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Spray lance, 1050 mm, rotatable	19	4.760-660.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
<b>Double lance</b>				
Double lance, 960 mm	20	2.112-016.0	960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use ( e.g. stable cleaning).	<input type="checkbox"/>
	21	6.394-665.0		<input type="checkbox"/>
<b>Angular spray lance</b>				
WC and gutter lance	22	4.112-029.0	Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	<input type="checkbox"/>
<b>Flexible spray lance</b>				
Flexible lance, 1050 mm	23	4.112-035.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	<input type="checkbox"/>
High pressure articulated joint	24	4.112-057.0	For hard-to-reach areas: High-pressure articulated joint with infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.	<input type="checkbox"/>
<b>Gutter cleaner</b>				
Gutter cleaning lance	25	2.112-015.0	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.	<input type="checkbox"/>
<b>Undercarriage spray lance</b>				
Underbody lance	26	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	<input type="checkbox"/>
<b>Additional handle</b>				
Additional handle for EASY!Lock spray lances	27	4.321-380.0	Comfortable in every situation - the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task.	<input type="checkbox"/>
<b>ROTARY NOZZLES (DIRT BLASTERS)</b>				
<b>Dirt blaster, large</b>				
Dirt blaster, large, 070/080	28	4.114-030.0	The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>MULTIPLE-JET NOZZLES</b>				
<b>Angle vario nozzle 0°-90°</b>				
Angled Vario nozzle, 080	29	4.113-006.0	Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	<input type="checkbox"/>
<b>KÄRCHER POWER NOZZLE</b>				
<b>HP nozzle spray angle 0°</b>				
Power nozzle 0°, 080	30	2.113-038.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	<input type="checkbox"/>
<b>Power nozzle spray angle 15°</b>				
Power nozzle 15°, 080	31	2.113-051.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	<input type="checkbox"/>
<b>Power nozzle spray angle 25°</b>				
Power Nozzle , 100	32	2.883-408.0		<input type="checkbox"/>
Power Nozzle , 080	33	2.113-015.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	<input type="checkbox"/>
Power Nozzle 25°, 100	34	2.113-017.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	<input type="checkbox"/>
<b>Power nozzle spray angle 40°</b>				
Power Nozzle 40°, 080	35	2.113-057.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	<input type="checkbox"/>
<b>NOZZLE UNION / SPACER</b>				
<b>Nozzle union</b>				
Nozzle screws	36	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	<input type="checkbox"/>
Nozzle connector	37	5.401-210.0	For protecting and connecting Kärcher power nozzles to spray lances (M 18 × 1.5 IG).	<input type="checkbox"/>
<b>HIGH-PRESSURE HOSES</b>				
<b>Standard</b>				
High-pressure hose, 20 m, DN 8, 315 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	38	6.110-011.0	High-pressure hose with AVS hose reel connection and EASY!Lock hand screw connection.	<input type="checkbox"/>
<b>Standard with unions on both sides</b>				
High-pressure hose, 10 m, DN 10, 220 bar, 2 × EASY!Lock	39	6.110-041.0		<input type="checkbox"/>
High-pressure hose, 10 m, DN 8, 315 bar, 2 × EASY!Lock	40	6.110-031.0	10 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	<input type="checkbox"/>
High-pressure hose, 15 m, DN 10, 220 bar, 2 × EASY!Lock	41	6.110-042.0	15 m high-pressure hose M 22 × 1.5) with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.	<input type="checkbox"/>
High-pressure hose, 20 m, DN 10, 220 bar, 2 × EASY!Lock	42	6.110-043.0	with union on both sides, M 22 × 1.5 with anti-kink protection. NW 10/155°C/220 bar	<input type="checkbox"/>

■ Included in delivery. □ Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>HIGH-PRESSURE HOSES</b>				
<b>Standard with unions on both sides</b>				
High-pressure hose, 25 m, DN 10, 220 bar, 2 × EASY!Lock	43	6.110-044.0	with union on both sides, M 22 × 1.5 with anti-kink protection. NW 10/155°C/220 bar	<input type="checkbox"/>
High-pressure hose, 15 m, DN 12, 210 bar, 2 × EASY!Lock	44	6.110-059.0	High-pressure hose for water volumes greater than 1,800 l / h. With union on both sides. 2x M 22 × 1.5 with anti-kink protection.	<input type="checkbox"/>
High-pressure hose, 40 m, DN 12, 210 bar, 2 × EASY!Lock	45	6.110-060.0		<input type="checkbox"/>
<b>Longlife 400</b>				
High-pressure hose Longlife, 20 m, DN 8, 400 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	46	6.110-028.0	20 m high-pressure hose Longlife 400 (DN 8) with patented (rotating) AVS trigger gun connector and manual coupling. Two layer high-strength steel wire reinforced.	<input type="checkbox"/>
<b>Longlife 400 with unions on both sides</b>				
High-pressure hose Longlife, 1.5 m, DN 8, 400 bar, 2 × EASY!Lock	47	6.110-024.0	1.5 m high-pressure hose (DN 8, M 22 × 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 × 1.5).	<input type="checkbox"/>
High-pressure hose Longlife, 1.5 m, DN 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	48	6.110-069.0	High-pressure hose (ID 8) with double steel reinforcement, 1.5 m long, suitable for up to 400 bar pressure. Connectors: M 22 × 1.5, quick and convenient EASY!Lock hand screw connection.	<input type="checkbox"/>
High-pressure hose Longlife, 1.5 m, DN 8, 400 bar, 2 × M22 × 1.5	49	6.390-178.0	1.5 m high-pressure hose (DN 8, M 22 × 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 × 1.5).	<input type="checkbox"/>
High-pressure hose Longlife, 10 m, DN 8, 400 bar, 2 × EASY!Lock	50	6.110-038.0	Durable, 10 m long high-pressure hose (ID 8) with double steel reinforcement and EASY!Lock hand screw connection at both ends and ANTI!Twist. Approved for 400 bar pressure.	<input type="checkbox"/>
High-pressure hose Longlife, 10 m, DN 8, 400 bar, 2 × M22 × 1.5	51	6.388-083.0	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 × 1.5, with kink protection.	<input type="checkbox"/>
High-pressure hose Longlife, 30 m, DN 8, 400 bar, 2 × EASY!Lock	52	6.110-023.0	With rotary coupling, 2 × M 22 × 1.5	<input type="checkbox"/>
High-pressure hose Longlife, 20 m, DN 8, 400 bar, 2 × EASY!Lock	53	6.110-027.0	with rotary coupling, 2 × M 22 × 1.5	<input type="checkbox"/>
High-pressure hose Longlife, 15 m, DN 8, 400 bar, 2 × EASY!Lock	54	6.110-029.0	With rotary coupling, 2 × M 22 × 1.5	<input type="checkbox"/>
<b>Food industry version with unions on both sides</b>				
High-pressure hose food grade, 10 m, DN 8, 250 bar, 2 × EASY!Lock	55	6.110-051.0	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 × 1.5 with anti-kink sleeve.	<input type="checkbox"/>
High-pressure hose food grade, 20 m, DN 8, 250 bar, 2 × EASY!Lock	56	6.110-052.0	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 × 1.5, with kink protection. NW 8/155°C/250 bar.	<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0

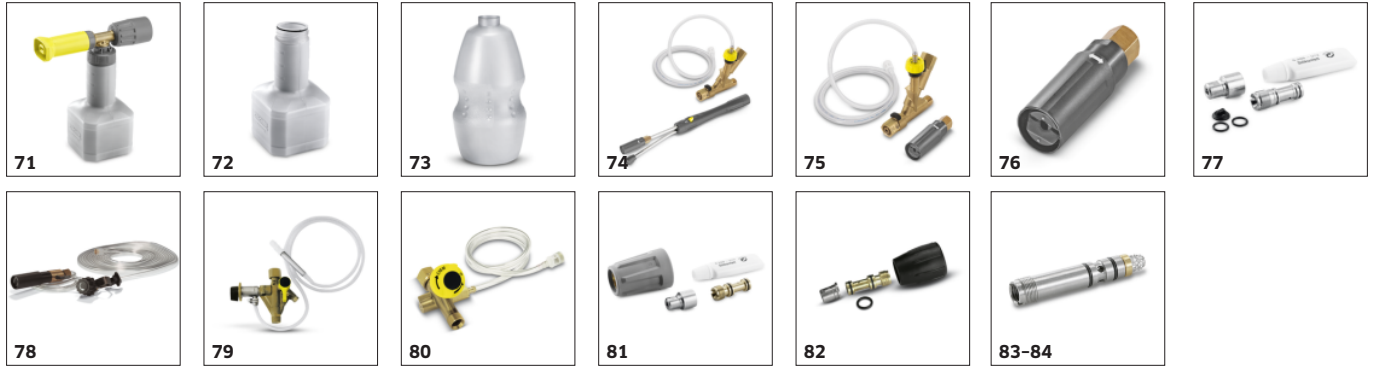


		Order no.	Description	
<b>HIGH-PRESSURE HOSES</b>				
<b>Longlife food industry version with unions on both sides</b>				
High-pressure hose food grade Longlife, 10 m, DN 8, 400 bar, 2 x EASY!Lock	57	6.110-053.0	With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, ANTI!Twist and EASY!Lock hand screw connection at both ends.	<input type="checkbox"/>
High-pressure hose food grade Longlife, 20 m, DN 8, 400 bar, 2 x EASY!Lock	58	6.110-054.0	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)	<input type="checkbox"/>
High-pressure hose food grade, 10 m, DN 8, 400 bar, 2 x M22 x 1.5	59	6.391-864.0	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	<input type="checkbox"/>
<b>PIPE CLEANING</b>				
<b>Pipe cleaning hose, ID 6</b>				
Hose assembly TR pipe cleaning DN6 max.2	60	6.110-046.0	The 10 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
Pipe cleaning hose, DN 6, 20 m, 220 bar	61	6.110-008.0	20 m flexible high-pressure hose (DN 6) for cleaning pipes up to 220 bar (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Hose assembly TR pipe cleaning DN6 max.2	62	6.110-047.0	The 30 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
<b>FLOOR AND HARD SURFACE CLEANER</b>				
<b>Hard surface cleaner FR 30 ME</b>				
FR 30 ME surface cleaner	63	2.111-013.0	Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.	<input type="checkbox"/>
<b>Hard Surface Cleaner FR 50</b>				
FR 50 surface cleaner	64	2.111-023.0	Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas. With double ceramic bearings, push handle, non-marking swivel castors and detergent dosing system.	<input type="checkbox"/>
<b>Machine-specific nozzle kit for FR</b>				
Nozzle kit for FR, 1100 l/h - 1300 l/h	65	2.639-188.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	<input type="checkbox"/>
<b>Machine-specific nozzle kits for FRV</b>				
Nozzle kit for FRV, 080	66	2.642-982.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	<input type="checkbox"/>
<b>Hard surface cleaner FRV 30 Me</b>				
FRV 30 Me Surface Cleaner	67	2.111-012.0	Thanks to automatic suction of the dirty water, the stainless steel FRV 30 Me Surface Cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85°C.	<input type="checkbox"/>
Extension hose FRV 30 Me and FRV 50 Me	68	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	<input type="checkbox"/>
<b>FOAM SYSTEMS</b>				
<b>Cup foam lance</b>				
Cup foam lance Advanced 3, 900 l/h - 2500 l/h	69	4.112-065.0		<input type="checkbox"/>
Cup foam lance DUO Advanced 3, 900 l/h - 2500 l/h	70	4.112-069.0		<input type="checkbox"/>

Available accessories.



## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>FOAM SYSTEMS</b>				
<b>Cup foam lance</b>				
Cup foam lance Basic 3, 900 l/h - 2500 l/h	71	4.112-055.0	For high-pressure cleaners with a flow rate of 900-2500 l/h: new, robust and very high-quality foam cup lance with outstanding foam quality while consuming half as much cleaning agent.	<input type="checkbox"/>
1-litre cleaning agent container for cup foam lance basic	72	5.071-414.0		<input type="checkbox"/>
1-litre cleaning agent container for cup foam lance advanced	73	6.414-050.0	Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).	<input type="checkbox"/>
<b>Inno Foam Set</b>				
Inno foam kit with detergent injector	74	2.112-000.0	High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.	<input type="checkbox"/>
<b>Easy Foam Set</b>				
Easy Foam Set with RM injector	75	2.112-010.0	HP foam system for use with HD/HDS units for cleaning and disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately.	<input type="checkbox"/>
Easy foam set	76	2.112-011.0		<input type="checkbox"/>
<b>Nozzle kits for Inno/Easy Foam Set</b>				
Nozzle kit 110 Inno/Easy set 1000 - 1300 l/h	77	2.111-020.0	Nozzle kit 110 contains Kärcher power nozzles and nozzle inserts. For Inn/Easy-Foam set 1000-1300 l/h. For optimal foam system performance.	<input type="checkbox"/>
<b>Foam nozzle mounting kit</b>				
Foam nozzle kit	78	2.112-013.0	Foaming agent kit. The foam nozzle is ideal for use in sanitary areas and the food industry and wherever long application times are necessary.	<input type="checkbox"/>
<b>MIXERS AND INJECTORS</b>				
<b>HP detergent injector</b>				
Detergent injector for high and low pressure (without nozzles)	79	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>
Detergent injector for high pressure	80	4.637-033.0	Cleaning agent dosage at high pressure 3 - 5 %	<input type="checkbox"/>
<b>Machine-specific nozzle kit with order no. 3.637-170</b>				
Nozzle insert trapezoidal thread	81	4.769-013.0	For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union	<input type="checkbox"/>
Machine-specific nozzle kit with order no. 3.637-170.0 1000-1200 l/h l/h	82	4.769-048.0		<input type="checkbox"/>
<b>Nozzle insert with order no. 3.637-001</b>				
Nozzle insert for Order No. 3.637-001, high-pressure for machines up to 1100 l/h.	83	4.769-003.0	Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.	<input type="checkbox"/>
Low pressure for units rated up to 1100 l/h	84	4.769-001.0	For low pressure with machines up to 1.100 l/h	<input type="checkbox"/>

Available accessories.



## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>QUICK CONNECT</b>				
Quick-fitting pipe union coupler trapezo	85	2.115-000.0	For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 × 1.5 internal thread.	<input type="checkbox"/>
Quick-fitting pipe union plug nipple tra	86	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.	<input type="checkbox"/>
Quick coupling	87	6.401-458.0	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 × 1,5 female.	<input type="checkbox"/>
Plug nipple	88	6.401-459.0	Hardened stainless steel nipple for quick coupling 6.401-458. With M22 × 1,5 male.	<input type="checkbox"/>
<b>DRUM AND TANK CLEANING</b>				
Add-on kit mud sucker	89	2.641-798.0		<input type="checkbox"/>
<b>OTHER HP ACCESSORIES</b>				
Jet gun	90	2.869-067.0	Short set-up time, easy transport, instant switch off - the jet gun is the affordable cleaning method for all kinds of small to medium-sized areas. Adjustable pressure/water volume.	<input type="checkbox"/>
<b>TAKE-OFF POINT EQUIPMENT</b>				
Hose and spray lance holder VA	91	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"/>
<b>REMOTE CONTROL</b>				
Multiple coin remote control without coin acceptor	92	2.642-422.0		<input type="checkbox"/>
Remote control	93	2.637-491.0	Easy to use remote control for stationary high-pressure cleaners. With rocker switch, ISO housing for wall mounting and fixing material.	<input type="checkbox"/>
Remote control I-O, hot/cold, detergent 1-2	94	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	95	2.744-011.0	w. I-O, hot-cold, 1-2	<input type="checkbox"/>
Priority switch	96	2.638-200.0		<input type="checkbox"/>
Coin acceptor, 50 cents	97	2.639-912.0		<input type="checkbox"/>
Coin acceptor, 1 €	98	2.639-913.0		<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>REMOTE CONTROL</b>				
Coin acceptor, 2 €	99	2.639-914.0		<input type="checkbox"/>
Coin acceptor, tokens	100	6.768-063.0	Token	<input type="checkbox"/>
<b>CONTROL CABLE</b>				
Control cable	101	6.647-222.0	Connection cable available as bulk stock (12 × 1.0 mm <sup>2</sup> ) for use as control cable. For all stationary HD/HDS machines from Kärcher.	<input type="checkbox"/>
Control cable 3x 1.5 mm <sup>2</sup> (price per meter)	102	6.641-059.0	Connecting cable 3 × 1.5 mm <sup>2</sup> . Available by the meter.	<input type="checkbox"/>
Control cable 7 × 1.5 m	103	6.641-064.0		<input type="checkbox"/>
Control cable 10 × 1.5 m	104	6.641-082.0		<input type="checkbox"/>
Conduit	105	2.420-008.0	Conduit for control cable installation. Consisting of 3 m conduit, 5x conduit clips, 5x dowels, 5x screws.	<input type="checkbox"/>
<b>HIGH-PRESSURE PIPEWORK</b>				
High-pressure pipe kit	106	2.420-006.0	High-pressure pipe kit with 3 m stainless pipe Ø 16 × 2 mm, ID 12 and mounting accessories: compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	<input type="checkbox"/>
Connector pipe/high-pressure hose, stainless steel	107	2.638-181.0	Stainless steel	<input type="checkbox"/>
Connector pipe/stop valve, stainless steel	108	2.638-183.0		<input type="checkbox"/>
Shut-off valve, stainless steel	109	4.580-163.0		<input type="checkbox"/>
	110	6.386-428.0	(VA)	<input type="checkbox"/>
Union nut, stainless steel	111	6.386-465.0	Stainless steel	<input type="checkbox"/>
Stainless steel elbow union 90°	112	6.386-466.0	Stainless steel elbow union 90° with compression fitting (Ermeto) at both ends for 16 mm pipes.	<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>HIGH-PRESSURE PIPEWORK</b>				
Connector, galvanised steel	113	2.638-180.0	Alternativ : stainless steel 2.638-181	<input type="checkbox"/>
Shut-off valve, galvanised steel	114	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	115	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	116	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	117	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	118	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	119	2.638-182.0	Alternative: stainless steel 2.638-183	<input type="checkbox"/>
Quick-release coupling, fixed part	120	6.463-025.0	fixed part	<input type="checkbox"/>
Union nut, galvanised steel	121	6.386-423.0	Union nut, galvanised steel. For 16 mm compression fitting.	<input type="checkbox"/>
Cutting ring	122	6.386-357.0	Galvanised steel cutting ring. For 16 mm compression fitting.	<input type="checkbox"/>
<b>PLANT INSTALLATION</b>				
Wall bracket	123	2.053-005.0	Wall bracket	<input type="checkbox"/>
Water supply hose, 1.5 m: DN 13	124	6.389-145.0		<input type="checkbox"/>
Kit 1 detergent	125	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"/>
<b>HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS</b>				
Rail holder	126	6.541-027.0		<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



	Order no.	Description	
<b>HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS</b>			
C-rail, per running metre	127	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	128	6.541-011.0	<input type="checkbox"/>
End stop	129	6.541-025.0	<input type="checkbox"/>
Cable trolley	130	6.541-026.0	Cable trolley for C-rail profile. 20 kg capacity. Weight 0.11 kg. Galvanised steel ball bearing. <input type="checkbox"/>
End bracket	131	6.541-028.0	<input type="checkbox"/>
Handle	132	6.541-029.0	C-rail profile clamp. Galvanised steel. Plastic clamping parts. Weight 0.06 kg. <input type="checkbox"/>
Wall bracket	133	6.541-039.0	Wall holder for galvanised steel C-rail profile. <input type="checkbox"/>
Rail holder wall	134	6.541-012.0	Galvanised steel rail bracket for C-rail profile. Weight 0.235 kg. <input type="checkbox"/>
Spray lance runner, movable	135	4.042-610.0	moveable <input type="checkbox"/>
<b>FLUE PIPE</b>			
Flue gas adapter	136	4.656-079.0	Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system). <input type="checkbox"/>
<b>FUEL SUPPLY</b>			
Hose kit, fuel oil	137	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	138	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"/>
Heating oil tank, 700 l	139	6.392-071.0	700 l <input type="checkbox"/>
Suction pipeline, heating oil	140	4.421-068.0	<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



	Order no.	Description	
<b>COUPLING PARTS</b>			
<b>Rotary coupling</b>			
Rotary coupling	141	4.111-021.0	Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector Easy!Lock. With grip protection. <input type="checkbox"/>
<b>Coupling</b>			
Coupler -2xM22x1,5	142	4.403-002.0	Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m. <input type="checkbox"/>
<b>Connector</b>			
Nozzle connector/screw connector	143	4.111-022.0	Nozzle connector/screw connector for connecting high-pressure nozzles and accessories to the high-pressure trigger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5. <input type="checkbox"/>
Short spray unit	144	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles. <input type="checkbox"/>
<b>Adapter EASY!Lock</b>			
Adapter 1 M22AG-TR22AG	145	4.111-029.0	Adapter 1 to connect the old hose with the new hose <input type="checkbox"/>
Adapter 2 M22IG-TR22AG	146	4.111-030.0	Adapter 2 to connect the old device with the new hose and the old gun with the new hose <input type="checkbox"/>
Adapter 3 M22IG-TR22AG	147	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator <input type="checkbox"/>
Adapter M22 - Swivel	148	4.111-032.0	M22 x 1,5female 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. <input type="checkbox"/>
Adapter 5 TR22IG-M22AG	149	4.111-033.0	Adapter 5 to connect the new gun with the old spray lance and new servo regulator with the old spray lance <input type="checkbox"/>
Adapter 6 TR22IG-M22AG	150	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun <input type="checkbox"/>
Adapter 7 M18IG-TR20AG	151	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle <input type="checkbox"/>
Adapter 8 TR20IG-M18AG	152	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle <input type="checkbox"/>
Coupler -2xM22x1,5	153	4.111-037.0	Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m. <input type="checkbox"/>
ADAPTER for replacement TR22IG-M22AG Er	154	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection <input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



		Order no.	Description	
<b>HOSE REELS</b>				
<b>Automatic, self-winding hose reels</b>				
Automatic plastic hose reel incl. high-pressure hose, 15 m	155	2.639-257.0		<input type="checkbox"/>
Automatic hose reel, powder-coated steel / plastic, 20 m	156	6.392-074.0	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, 20 m	157	6.392-083.0	Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	<input type="checkbox"/>
Automatic hose reel, coated, 20 m	158	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Hose reel, automatic, basalt grey-coated, 20 m	159	6.392-105.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses.	<input type="checkbox"/>
Automatic hose reel, stainless steel, includes swivel holder, 20 m	160	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Automatic stainless steel hose reel, 40 m	161	6.392-442.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. Compatible high-pressure hose, e.g. order no. 6.110-076.0 (ID 8, 40 m, 400 bar, 1x hose reel connection attachment kit).	<input type="checkbox"/>
Powder-coated swivel holder	162	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"/>
Stainless steel swivel holder	163	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"/>
<b>FACADE AND SOLAR PANEL CLEANING</b>				
<b>Brushes</b>				
Brush hard	164	6.960-133.0	Brush with hard bristles for cleaning industry facades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.	<input type="checkbox"/>
Brush medium	165	6.960-134.0	Optimally cleans facades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher.	<input type="checkbox"/>
Brush soft	166	6.960-135.0	For simple installation on telescopic lances or high-pressure lances from Kärcher: brush with soft bristles for deep cleaning of sensitive surfaces such as glass or solar systems.	<input type="checkbox"/>
<b>Telescopic</b>				
TL low pressure adapter	167	4.580-097.0	TL low-pressure adapter comprising ball valve for tool-free installation on telescopic lances. Ideal for applications with rotating high-pressure brushes.	<input type="checkbox"/>
Telescopic lance TL 7 F	168	4.762-609.0	Telescopic lance TL 7 F with up to 7 m reach made from robust and lightweight glass fibre. With practical quick-release fasteners for simple retraction and extension.	<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



	Order no.	Description	
<b>FACADE AND SOLAR PANEL CLEANING</b>			
<b>Telescopic</b>			
Telescopic lance TL 7 H	169	4.762-610.0	Multifunctional hybrid telescopic lance TL 7 H made of rigid and lightweight carbon-glass fibre mix. Telescopic thanks to quick-release fastenings. Up to 7 m reach. <input type="checkbox"/>
Telescopic lance TL 10 H	170	4.762-611.0	Up to 10 m reach: hybrid telescopic lance TL 10 H. Comprising carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners. <input type="checkbox"/>
Telescopic lance TL 10 C	171	4.762-612.0	Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning facades, windows or solar panels. <input type="checkbox"/>
Telescopic lance TL 14 C	172	4.762-613.0	Maximum rigidity with minimum weight: telescopic lance TL 14 C made from carbon fibre. Enormous reach of 14 m, multifunctional use and easy to use thanks to quick-release fasteners. <input type="checkbox"/>
TL high pressure adapter	173	4.775-154.0	TL high-pressure adapter, flexible high-pressure gun for high-pressure cleaning with telescopic lances. Ergonomic, easy to install, suitable for right- and left-handed individuals. <input type="checkbox"/>
<b>WET BLASTING ATTACHMENT</b>			
<b>Wet blasting attachment (without nozzle)</b>			
Wet blasting attachment with flow control (without nozzles)	174	4.115-000.0	Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. <input type="checkbox"/>
Wet blasting attachment without flow control (nozzles not included)	175	4.115-006.0	Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. Without flow control. <input type="checkbox"/>
<b>Nozzle pack for wet blasting attachment</b>			
Nozzle pack TR wet jet set 0080	176	2.112-029.0	Consisting of wet jet nozzle and nozzle insert - only for use in combination with wet jet unit 4.115-000.0   4.115-006.0. <input type="checkbox"/>
<b>Boron carbide nozzle</b>			
Boron carbide nozzle, for machines as of 1000 l/h	177	6.415-083.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation. <input type="checkbox"/>
<b>DRUM AND TANK CLEANING</b>			
<b>HKF 50 spray head, brass</b>			
HKF 50 spray head, brass	178	3.631-039.0	Interior cleaning head for barrels and containers with bungholes of 50 mm and more. <input type="checkbox"/>
<b>WATER CONNECTION</b>			
<b>Geka coupling</b>			
Hose coupling	179	6.388-458.0	with female thread <input type="checkbox"/>
<b>WASHING BRUSHES</b>			
<b>Push-on washing brush</b>			
Push-on wash brush, M 18 x 1.5	180	4.113-001.0	Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6. <input type="checkbox"/>
Push-on washing brush	181	4.762-497.0	With clamp for mounting directly to units' double or triple nozzle. Fits on new double and triple nozzles. <input type="checkbox"/>
<b>Rotating washing brush</b>			
Rotating wash brush for > 800 l/h machines, nylon bristles	182	4.113-002.0	Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 x 1.5 (replaceable brush insert). <input type="checkbox"/>

Available accessories.



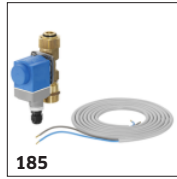
## EQUIPMENT FOR HDS 12/14-4 ST 1.699-921.0



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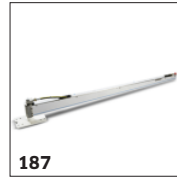
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	Order no.	Description		
<b>WASHING BRUSHES</b>				
<b>Rotating washing brush</b>				
Rotating wash brush for > 800 l/h machines, natural bristles	183	4.113-005.0	Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 × 1.5 (replaceable brush insert).	<input type="checkbox"/>
<b>STATIONARY HIGH-PRESSURE CLEANING SYSTEMS</b>				
Water hose; 1.5 m: DN 13, R 3/4"	184	4.440-282.0		<input type="checkbox"/>
Water solenoid valve	185	4.743-011.0		<input type="checkbox"/>
<b>STATIONARY HIGH-PRESSURE CLEANERS</b>				
Hand trigger gun	186	4.775-784.0	Easy Press trigger gun, grey.	<input type="checkbox"/>
<b>SELF SERVICE WASHING SYSTEMS AND EQUIPMENT</b>				
<b>Wash bay equipment</b>				
Swivelling boom 360° for high-pressure tool	187	4.058-106.0	Swivelling boom for HP-working hose (360° turning circle). Mounted above the washing bay.	<input type="checkbox"/>
<b>Tokens</b>				
Set of tokens, stamping	188	6.768-169.0	Set of tokens, stamped	<input type="checkbox"/>
<b>Miscellaneous</b>				
Swinging boom 180°, wall-mounted	189	2.637-120.0		<input type="checkbox"/>

Available accessories.