



## HDS 12/14-4 ST

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



**1 Water-cooled 4-pole electric motor (oil-heated)**

- Long service life.
- Improved efficiency.



**2 Burner technology (oil-heated)**

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



**3 Water treatment unit**

- Truckwash



**4 Water treatment unit**

- Truckwash



## HDS 12/14-4 ST

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

### Technical data

|                                     |                    |                  |
|-------------------------------------|--------------------|------------------|
| <b>Order Number</b>                 |                    | 1.699-921.0      |
| <b>EAN code</b>                     |                    | 4054278169521    |
| <b>Current type</b>                 | <b>Ph / V / Hz</b> | 3 / 400 / 50     |
| <b>Fuse protection</b>              | <b>A</b>           | min. 20          |
| <b>Flow rate</b>                    | <b>l/h</b>         | 600-1200         |
| <b>Pressure</b>                     | <b>bar / MPa</b>   | 30-140 / 3-14    |
| <b>Max. temperature</b>             | <b>°C</b>          | 155 / 80         |
| <b>Power rating</b>                 | <b>kW</b>          | 7,5              |
| <b>Consumption, heating oil/gas</b> | <b>kg/h</b>        | 7,3              |
| <b>Weight</b>                       | <b>kg</b>          | 160              |
| <b>Dimensions (L x W x H)</b>       | <b>mm</b>          | 1110 x 565 x 700 |

### Equipment

|                                 |   |
|---------------------------------|---|
| <b>SDS system</b>               | ■ |
| <b>System pressure relief</b>   | ■ |
| <b>Flame monitor</b>            | ■ |
| <b>Ready for Servo Control</b>  | ■ |
| <b>Ready for remote control</b> | ■ |

■ Included in delivery.

# ACCESSORIES FOR HDS 12/14-4 ST

## 1.699-921.0

**KÄRCHER**



|  |    | Order Number | ID    | Max. working pressure | Length |  | Price | Description  |
|--|----|--------------|-------|-----------------------|--------|--|-------|--|
| Standard with unions on both sides   |    |              |       |                       |        |  |       |  |
| High-pressure hose, 15 m DN 10, 220 bar, extension                         | 1  | 6.110-042.0  | ID 10 | 220 bar               | 15 m   |  |       | 15 m high-pressure hose M 22 x 1.5) with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.   |
| High-pressure hose, 20 m DN 10, 220 bar, extension                         | 2  | 6.110-043.0  | ID 10 | 220 bar               | 20 m   |  |       | with union on both sides, M 22 x 1.5 with anti-kink protection. NW 10/155°C/220 bar  |
| High-pressure hose, 25 m DN 10, extension, not rotatable                   | 3  | 6.110-044.0  | ID 10 | 220 bar               | 25 m   |  |       |  |
| Hose assembly premium DN12 21MPa 15m                                       | 4  | 6.110-059.0  | ID 12 | 210 bar               | 15 m   |  |       | High-pressure hose for water volumes greater than 1,800 l / h. With union on both sides. 2x M 22 x 1.5 with anti-kink protection.  |
| Hose assembly premium DN12 21MPa 40m                                       | 5  | 6.110-060.0  | ID 12 | 210 bar               | 40 m   |  |       |  |
| Longlife 400 with unions on both sides                                     |    |              |       |                       |        |  |       |  |
| High-pressure hose Longlife 400, 30 m DN 8, including rotary coupling      | 6  | 6.110-023.0  | ID 8  | 400 bar               | 30 m   |  |       | With rotary coupling, 2 x M 22 x 1.5   |
| High-pressure hose Longlife 400, 20 m, DN 8, extension                     | 7  | 6.110-027.0  | ID 8  | 400 bar               | 20 m   |  |       | with rotary coupling, 2 x M 22 x 1.5   |
| High-pressure hose Longlife 400, 15 m, DN 8, including rotary coupling     | 8  | 6.110-029.0  | ID 8  | 400 bar               | 15 m   |  |       | With rotary coupling, 2 x M 22 x 1.5   |
| High-pressure hose 1.5 m, DN 8, including connectors                       | 9  | 6.110-024.0  | 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).                            |
|  | 10 | 6.110-069.0  | ID 8  | 400 bar               | 1,5 m  |  |       |  |
| High-pressure hose packaged  | 11 | 6.110-038.0  | ID 8  | 400 bar               | 10 m   |  |       |  |
| Food industry version with unions on both sides                            |    |              |       |                       |        |  |       |  |
| High-pressure hose, 10 m ID 8, suitable for food industry, extension piece | 12 | 6.110-051.0  | 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 | 13 | 6.110-052.0  | 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. |
| Longlife food industry version with unions on both sides                   |    |              |       |                       |        |  |       |  |
| High pressure hose food DN 8 / 10 m  | 14 | 6.110-053.0  | 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 Longlife 400, 15 m, ID 6, AVS trigger gun connection    | 15 | 6.110-054.0  | ID 8  | 400 bar               | 20 m   |  |       | 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)                  |

□ Available accessories. ▲ Extension hose.

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

**KÄRCHER**



|   |   | Order Number | Flow rate     | Nozzle size |  | Price | Description  |                          |
|---|---|--------------|---------------|-------------|--|-------|--|--------------------------|
| <b>Hard surface cleaner FR 30 ME</b>                            |   |              |               |             |  |       |  |                          |
| FR 30 ME surface cleaner  | 1 | 2.111-013.0  |               | 300 mm      |  |       | 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   | 2 | 2.111-023.0  |               | 500 mm      |  |       | 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 surface cleaners (type-specific) 1100 - 1300 l/h | 3 | 2.639-188.0  | 1100-1300 l/h |             |  |       | 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 pack 080   | 4 | 2.642-982.0  |               | 80          |  |       |  | <input type="checkbox"/> |
| <b>Hard surface cleaner FRV 30 Me</b>                           |   |              |               |             |  |       |  |                          |
| Suction hose FRV 30 me  | 5 | 4.441-040.0  |               |             |  |       |  | <input type="checkbox"/> |
| FRV 30 ME   | 6 | 2.111-012.0  |               |             |  |       |  | <input type="checkbox"/> |
| <b>Surface Cleaner FR 50 Me</b>                                 |   |              |               |             |  |       |  |                          |
|   | 7 | 2.111-024.0  |               |             |  |       |  | <input type="checkbox"/> |

☐ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/14-4 ST

## 1.699-921.0

**KÄRCHER**



|   |    | Order Number |  |  |  |  |  | Price | Description  |                          |
|---|----|--------------|--|--|--|--|--|-------|--|--------------------------|
| <b>Nozzle union</b>   |    |              |  |  |  |  |  |       |  |                          |
| Protection part TR only for replacement   | 1  | 4.112-011.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| <b>Coupling parts</b>   |    |              |  |  |  |  |  |       |  |                          |
|   | 2  | 6.987-705.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| <b>Rotary coupling</b>  |    |              |  |  |  |  |  |       |  |                          |
| Rotary coupling   | 3  | 4.111-021.0  |  |  |  |  |  |       | 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.  | <input type="checkbox"/> |
| <b>Coupling</b>   |    |              |  |  |  |  |  |       |  |                          |
| Coupler -2xM22x1,5  | 4  | 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"/> |
| <b>Connector</b>  |    |              |  |  |  |  |  |       |  |                          |
| Nozzle connector/screw connector  | 5  | 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"/> |
|   | 6  | 4.111-038.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| <b>Adapter EASY!Lock</b>  |    |              |  |  |  |  |  |       |  |                          |
| Adapter 1 M22AG-TR22AG  | 7  | 4.111-029.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| Adapter 2 M22IG-TR22AG  | 8  | 4.111-030.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| Adapter 3 M22IG-TR22AG  | 9  | 4.111-031.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| Adapter M22 - Swivel  | 10 | 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  | 11 | 4.111-033.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| Adapter 6 TR22IG-M22AG  | 12 | 4.111-034.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| Adapter 7 M18IG-TR20AG  | 13 | 4.111-035.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| Adapter 8 TR20IG-M18AG  | 14 | 4.111-036.0  |  |  |  |  |  |       |  | <input type="checkbox"/> |
| <b>HP detergent injector</b>  |    |              |  |  |  |  |  |       |  |                          |
| Detergent injector for independent high and low pressure (without nozzles)        | 15 | 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  | 16 | 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>                       |    |              |  |  |  |  |  |       |  |                          |
| Machine-specific nozzle kit with order no. 3.637-170.0 1000-1200 l/h l/h          | 17 | 4.769-048.0  |  |  |  |  |  |       | For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union  | <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. | 18 | 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                                       | 19 | 4.769-001.0  |  |  |  |  |  |       | For low pressure with machines up to 1.100 l/h   | <input type="checkbox"/> |

☐ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/14-4 ST

## 1.699-921.0



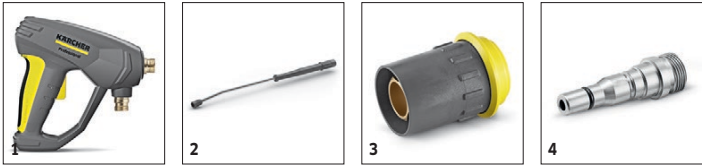
1-4

|                                     |   | Order Number | Nozzle size |  |  |  |  | Price | Description  |
|-------------------------------------|---|--------------|-------------|--|--|--|--|-------|--|
| <b>HP nozzle spray angle 0°</b>     |   |              |             |  |  |  |  |       |  |
| High-pressure nozzle spray angle °0 | 1 | 2.113-038.0  | 80          |  |  |  |  |       | High-pressure nozzle with powerful jet for extremely stubborn dirt. <input type="checkbox"/>                               |
| <b>Power nozzle spray angle 15°</b> |   |              |             |  |  |  |  |       |  |
| Power nozzle spray angle 15°        | 2 | 2.113-051.0  | 80          |  |  |  |  |       | Fan jet nozzle with 15° spray angle suitable for stubborn dirt. <input type="checkbox"/>                                   |
| <b>Power nozzle spray angle 25°</b> |   |              |             |  |  |  |  |       |  |
| Triple nozzle, touchless changeover | 3 | 2.113-015.0  | 80          |  |  |  |  |       | <input type="checkbox"/>   |
| <b>Power nozzle spray angle 40°</b> |   |              |             |  |  |  |  |       |  |
| Power nozzle spray angle 40°        | 4 | 2.113-057.0  | 80          |  |  |  |  |       | Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces. <input type="checkbox"/> |

☐ Available accessories.    ▲ Extension hose.

# ACCESSORIES FOR HDS 12/14-4 ST

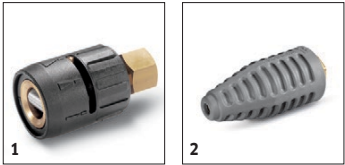
## 1.699-921.0



|  |   | Order Number | Flow rate |  |  |  | Price | Description  |                          |
|--|---|--------------|-----------|--|--|--|-------|--|--------------------------|
| Trigger guns                             |   |              |           |  |  |  |       |  |                          |
| Extended easy press trigger gun          | 1 | 4.118-005.0  |           |  |  |  |       | Extended easy press high-pressure trigger gun for high-pressure hoses with rotating connector. | <input type="checkbox"/> |
| Servo Control                            |   |              |           |  |  |  |       |  |                          |
| Servo control                            | 2 | 4.118-009.0  | 1100 l/h  |  |  |  |       |  | <input type="checkbox"/> |
| Quick connect                            |   |              |           |  |  |  |       |  |                          |
| Quick-fitting pipe union coupler trapezo | 3 | 2.115-000.0  |           |  |  |  |       |  | <input type="checkbox"/> |
| Quick-fitting pipe union plug nipple tra | 4 | 2.115-001.0  |           |  |  |  |       |  | <input type="checkbox"/> |

☐ Available accessories.    ▲ Extension hose.

ACCESSORIES FOR HDS 12/14-4 ST  
1.699-921.0



|  |   | Order Number | Max. working pressure | Nozzle size |  |  | Price | Description   |                          |
|--|---|--------------|-----------------------|-------------|--|--|-------|---|--------------------------|
| <b>Angle vario nozzle 0°-90°</b>           |   |              |                       |             |  |  |       |   |                          |
| Variable angle nozzle 0-90°                | 1 | 4.113-006.0  |                       | 80          |  |  |       | 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>Dirt blaster, large</b>                 |   |              |                       |             |  |  |       |   |                          |
| Dirt blaster - without changeover function | 2 | 4.114-030.0  | 300 bar               | 70          |  |  |       | 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"/> |

☐ Available accessories.    ▲ Extension hose.

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

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|   |   | Order Number | Nozzle size |  |  |  | Price | Description   |                          |
|---|---|--------------|-------------|--|--|--|-------|---|--------------------------|
| <b>Wet blasting attachment (without nozzle)</b>                     |   |              |             |  |  |  |       |   |                          |
| Wet blasting attachment with flow control (without nozzles)         | 1 | 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) | 2 | 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                                     | 3 | 2.112-029.0  | 80          |  |  |  |       |   | <input type="checkbox"/> |
| <b>Boron carbide nozzle</b>   |   |              |             |  |  |  |       |   |                          |
| Boron carbide nozzle, for machines as of 1000 l/h                   | 4 | 6.415-083.0  | 8 mm        |  |  |  |       | In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.   | <input type="checkbox"/> |

☐ Available accessories.    ▲ Extension hose.

ACCESSORIES FOR HDS 12/14-4 ST  
1.699-921.0



|  |   | Order Number | Max. working pressure | Nozzle size |  |  | Price | Description  |                          |
|--|---|--------------|-----------------------|-------------|--|--|-------|--|--------------------------|
| Pipe cleaning hose, ID 6                 |   |              |                       |             |  |  |       |  |                          |
| Hose assembly TR pipe cleaning DN6 max.2 | 1 | 6.110-046.0  | 250 bar               |             |  |  |       |  | <input type="checkbox"/> |
| Pipe cleaning hose, DN 6, 20 m, 220 bar  | 2 | 6.110-008.0  | 250 bar               |             |  |  |       | 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 | 3 | 6.110-047.0  | 250 bar               |             |  |  |       |  | <input type="checkbox"/> |

☐ Available accessories.    ▲ Extension hose.

# ACCESSORIES FOR HDS 12/14-4 ST

## 1.699-921.0

**KÄRCHER**



|  |   | Order Number | Flow rate     |  |  |  | Price | Description  |                          |
|--|---|--------------|---------------|--|--|--|-------|--|--------------------------|
| <b>Cup foam lance</b>                        |   |              |               |  |  |  |       |  |                          |
| Packing complete for 6.394-968.0             | 1 | 2.112-017.0  |               |  |  |  |       |  | <input type="checkbox"/> |
| Tank 1L                                      | 2 | 6.414-954.0  |               |  |  |  |       |  | <input type="checkbox"/> |
| <b>Inno Foam Set</b>                         |   |              |               |  |  |  |       |  |                          |
| Inno foam kit with detergent injector        | 3 | 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               | 4 | 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"/> |
| <b>Nozzle kits for Inno/Easy Foam Set</b>    |   |              |               |  |  |  |       |  |                          |
| Nozzle kit 110 Inno/Easy set 1000 - 1300 l/h | 5 | 2.111-020.0  | 1000-1300 l/h |  |  |  |       | 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                              | 6 | 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"/> |

☐ Available accessories. ▲ Extension hose.

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

**KÄRCHER**



|   |   | Order Number | Length |  |  |  |  | Price | Description  |                          |
|---|---|--------------|--------|--|--|--|--|-------|--|--------------------------|
| <b>Automatic, self-winding hose reels</b>   |   |              |        |  |  |  |  |       |  |                          |
| Add-on kit hose reel plastics               | 1 | 6.392-074.0  | 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"/> |
| Add-on kit hose reel                        | 2 | 6.392-083.0  | 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"/> |
| Hose reel, automatic, 20 m, painted         | 3 | 6.392-106.0  | 20 m   |  |  |  |  |       | Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.   | <input type="checkbox"/> |
| Hose reel, automatic, 20 m, stainless steel | 4 | 6.392-105.0  | 20 m   |  |  |  |  |       | Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.   | <input type="checkbox"/> |
| ABS hose reel stainless steel               | 5 | 6.392-076.0  | 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 spring drive. Connection for HP hoses with nipple. | <input type="checkbox"/> |
| Swivel holder                               | 6 | 6.392-122.0  | 20 m   |  |  |  |  |       | 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"/> |
| ABS wall fastening stainless steel          | 7 | 2.639-931.0  |        |  |  |  |  |       | 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"/> |
|   | 8 | 2.641-867.0  |        |  |  |  |  |       |  | <input type="checkbox"/> |

☐ Available accessories.    ▲ Extension hose.

# ACCESSORIES FOR HDS 12/14-4 ST

## 1.699-921.0

**KÄRCHER**



|  |    | Order Number | Max. working pressure | Length  |  |  | Price | Description   |                          |
|--|----|--------------|-----------------------|---------|--|--|-------|---|--------------------------|
| <b>Rotating spray lances</b>           |    |              |                       |         |  |  |       |   |                          |
| Lance 250 mm, non-rotatable            | 1  | 4.112-027.0  | 300 bar               | 250 mm  |  |  |       |   | <input type="checkbox"/> |
| 550 mm lance, non-rotatable            | 2  | 4.112-024.0  | 300 bar               | 400 mm  |  |  |       |   | <input type="checkbox"/> |
| Rotatable lance, 600 mm, ergonomic     | 3  | 4.112-007.0  | 300 bar               | 600 mm  |  |  |       | 600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | <input type="checkbox"/> |
| Lance 850 mm, rotatable, ergonomic     | 4  | 4.112-006.0  | 300 bar               | 840 mm  |  |  |       | 850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | <input type="checkbox"/> |
| 1050 mm lance, rotatable, ergonomic    | 5  | 4.112-000.0  | 300 bar               | 1050 mm |  |  |       | 1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.  | <input type="checkbox"/> |
| Lance 1550 mm, rotatable, ergonomic    | 6  | 4.112-018.0  | 300 bar               | 1550 mm |  |  |       | 1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.  | <input type="checkbox"/> |
| Lance 2050 mm, rotatable, ergonomic    | 7  | 4.112-021.0  | 300 bar               | 2050 mm |  |  |       | 2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.  | <input type="checkbox"/> |
| Jet pipe extension TR 1000 mm          | 8  | 4.112-048.0  | 300 bar               | 1000 mm |  |  |       |   | <input type="checkbox"/> |
| <b>Double lance</b>                    |    |              |                       |         |  |  |       |   |                          |
| Double lance 960 mm                    | 9  | 6.394-665.0  | 310 bar               | 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).                                 | <input type="checkbox"/> |
| <b>Angular spray lance</b>             |    |              |                       |         |  |  |       |   |                          |
| WC and gutter lance                    | 10 | 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                 | 11 | 4.112-035.0  | 210 bar               | 1050 mm |  |  |       | 1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.  | <input type="checkbox"/> |
| <b>Telescopic spray lance</b>          |    |              |                       |         |  |  |       |   |                          |
| Telescopic jet pipe                    | 12 | 4.112-037.0  | 225 bar               | 5400 mm |  |  |       |   | <input type="checkbox"/> |
| Restraint belt for telescopic jet pipe | 13 | 6.373-987.0  |                       |         |  |  |       | 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. | <input type="checkbox"/> |
| <b>Gutter cleaner</b>                  |    |              |                       |         |  |  |       |   |                          |
| Gutter cleaning lance                  | 14 | 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                        | 15 | 4.112-032.0  |                       | 700 mm  |  |  |       | Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.   | <input type="checkbox"/> |
| <b>Additional handle</b>               |    |              |                       |         |  |  |       |   |                          |
|  | 16 | 4.321-380.0  |                       |         |  |  |       |   | <input type="checkbox"/> |

☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 12/14-4 ST  
1.699-921.0



|                        |   | Order Number | Flow rate    |  |  |  | Price | Description  |                          |
|------------------------|---|--------------|--------------|--|--|--|-------|--|--------------------------|
| Push-on washing brush  |   |              |              |  |  |  |       |  |                          |
| Push-on washing brush  | 1 | 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"/> |
| Rotating washing brush |   |              |              |  |  |  |       |  |                          |
|                        | 2 | 4.113-002.0  | 800-1300 l/h |  |  |  |       |  | <input type="checkbox"/> |
|                        | 3 | 4.113-005.0  | 800-1300 l/h |  |  |  |       |  | <input type="checkbox"/> |

☐ Available accessories.    ▲ Extension hose.

ACCESSORIES FOR HDS 12/14-4 ST  
1.699-921.0



|               |   | Order Number | Length | Diameter |  |  | Price | Description        |                          |
|---------------|---|--------------|--------|----------|--|--|-------|--------------------|--------------------------|
| Geka coupling |   |              |        |          |  |  |       |                    |                          |
| Hose coupling | 1 | 6.388-458.0  |        |          |  |  |       | with female thread | <input type="checkbox"/> |

☐ Available accessories.    ☒ Extension hose.