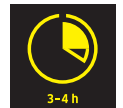


## HDS 7/12-4 M EASY!

The HDS 7/12-4 M EASY!Force from Kärcher with electric motor, two cleaning agent tanks and service electronics is the ideal entry-level machine in the Middle class of hot water high-pressure cleaners.



Made in Germany



Order No.

1.077-903.0

- Economical ecoefficiency mode
- Axial pump with turbo blower
- Three-phase motor: air-cooled

### Technical data

|  |                       |                          |
|--|-----------------------|--------------------------|
| EAN code                               |                       | 4054278140056            |
| Type of current                        | Phases / Volt / Hertz | 1 / 240 / 50             |
| Flow rate                              | Litres per hour       | 350 - 700                |
| Operating pressure                     | Bar / Mega pascal     | 30 - 120 / 3 - 12        |
| Temperature (feed 12 °C)               | Celsius               | Minimum 80 - Maximum 155 |
| Power rating                           | Kilowatt              | 3.4                      |
| Fuel oil consumption, full load        | Kilograms per hour    | 4.6                      |
| Heating oil consumption, ecoefficiency | Kilograms per hour    | 3.7                      |
| Power cord                             | Metre                 | 5                        |
| Fuel tank                              | Litre                 | 25                       |
| Weight (with accessories)              | Kilogram              | 155.5                    |
| Weight incl. packaging                 | Kilogram              | 167.5                    |
| Dimensions (L × W × H)                 | Millimetre            | 1330 × 750 × 1060        |

### Equipment

|   |            |                     |
|---|------------|---------------------|
| Cleaning agent function   |            | 20 + 10 l tank      |
| Trigger gun   |            | EASY!Force Advanced |
| High-pressure hose  | Metre      | 20 / Longlife       |
| Spray lance   | Millimetre | 1050                |
| Power nozzle  |            | ■                   |
| ANTI!Twist  |            | ■                   |
| Cleaning agent, scale inhibitor and fuel tanks can be filled from outside |            | ■                   |
| Control panel with LED display  |            | ■                   |
| Pressure cut-off  |            | ■                   |
| Electronic service control with LED display                               |            | ■                   |
| Two detergent tanks   |            | ■                   |
| Dry-running protection  |            | ■                   |
| Stainless steel heating coil  |            | ■                   |

■ Included in delivery.

This device requires instruction.



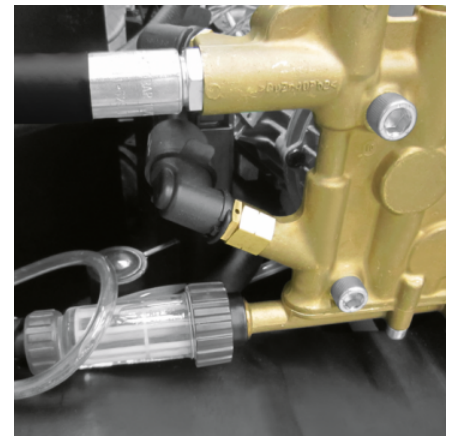
## Economical

- In the Eco mode, the unit operates in the most economical temperature range (60°C) with full water flow.
- Burner cycles are optimised to reduce fuel consumption by up to 20% compared to full-load operation.
- The stainless steel heating coil offers lasting protection against corrosion and prevents the formation of black water.



## Maximum efficiency

- Highly efficient, tried-and-tested burner technology.
- 4-pole, slow-running electric motor guarantees a long working time.



## Operational reliability

- The large, integrated fine-mesh water filter reliably protects the high-pressure pump against the ingress of dirt particles.
- An integrated exhaust gas thermostat switches off the drive motor if the exhaust gas temperature exceeds 300°C.
- The soft damping system (SDS) compensates for vibrations and pressure surges in the high-pressure system.

## EQUIPMENT FOR HDS 7/12-4 M EASY!

1.077-903.0

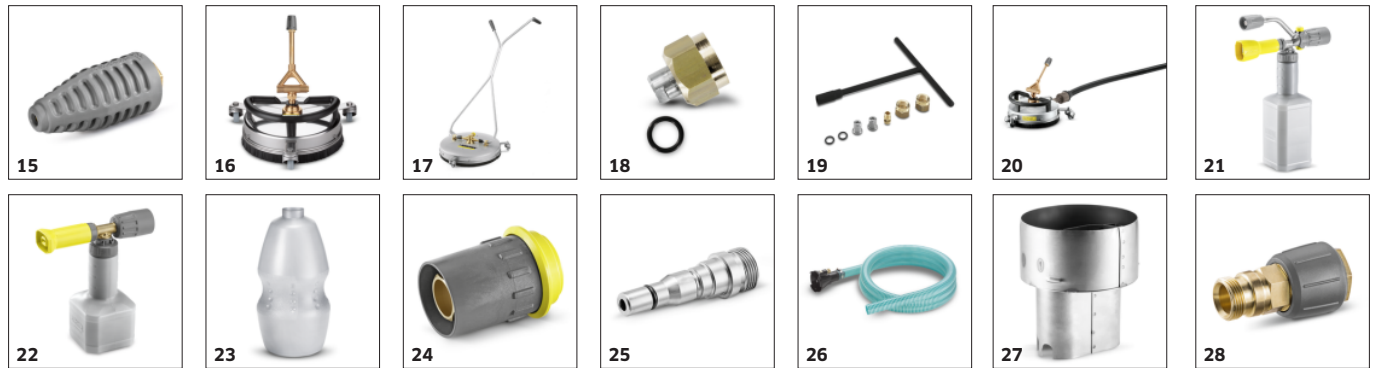


|   | Order No.      | Description  |   |
|---|----------------|--|---|
| <b>TRIGGER GUNS</b>   |                |  |   |
| <b>Trigger guns</b>   |                |  |   |
| EASY!Force Advanced   | 1 4.118-005.0  | Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.                                | ■ |
| 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. | □ |
| Conversion kit 2 from device  | 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.      | □ |
| <b>Servo Control</b>  |                |  |   |
| Servo Control, 750 Litres per hour - 1100 Litres per hour           | 4 4.118-008.0  | Water quantity and pressure regulated directly from the hand spray gun.  | □ |
| <b>SPRAY LANCES</b>   |                |  |   |
| <b>Rotating spray lances</b>  |                |  |   |
| Spray lance, 1050 Millimetre, rotatable                             | 5 4.112-000.0  | 1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | ■ |
| Spray lance, 600 Millimetre, rotatable                              | 6 4.112-007.0  | 600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.  | □ |
| Spray lance, 840 Millimetre, rotatable                              | 7 4.112-006.0  | 850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.  | □ |
| Spray lance, 1550 Millimetre, rotatable                             | 8 4.112-018.0  | 1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | □ |
| Spray lance, 2050 Millimetre, rotatable                             | 9 4.112-021.0  | 2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | □ |
| <b>HIGH-PRESSURE HOSES</b>  |                |  |   |
| <b>Longlife 400 with unions on both sides</b>                       |                |  |   |
| High-pressure hose Longlife, 10 Metre, DN 8, 400 Bar, 2 × EASY!Lock | 10 6.110-038.0 | Durable, 10 m long high-pressure hose (DN 8) with double steel core and EASY!Lock manual screw fitting on both sides and ANTI!Twist. Approved for 400 bar pressure.                                  | ■ |
| High-pressure hose Longlife, 20 Metre, DN 8, 400 Bar, 2 × EASY!Lock | 11 6.110-027.0 | High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.                               | □ |
| <b>Standard with unions on both sides</b>                           |                |  |   |
| High-pressure hose, 10 Metre, DN 8, 315 Bar, 2 × EASY!Lock          | 12 6.110-031.0 | High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long.   | □ |
| High-pressure hose, 15 Metre, DN 8, 315 Bar, 2 × EASY!Lock          | 13 6.110-030.0 | 15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides.  | □ |
| High-pressure hose, 20 Metre, DN 8, 315 Bar, 2 × EASY!Lock          | 14 6.110-032.0 | 20 m long high-pressure hose (DN 8) equipped with the time-saving and robust EASY!Lock manual screw fitting on both sides. Approved for pressures up to 315 bar.                                     | □ |

■ Included in delivery. □ Available accessories.

## EQUIPMENT FOR HDS 7/12-4 M EASY!

### 1.077-903.0



|  |    | Order No.   | Description  |                          |
|--|----|-------------|--|--------------------------|
| <b>ROTARY NOZZLES (DIRT BLASTERS)</b>                                    |    |             |  |                          |
| <b>Dirt blaster, large</b>   |    |             |  |                          |
| Dirt blaster, large, 050   | 15 | 4.114-027.0 | 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"/> |
| <b>FLOOR AND HARD SURFACE CLEANER</b>                                    |    |             |  |                          |
| <b>Hard surface cleaner FR 30 ME</b>                                     |    |             |  |                          |
| FR 30 ME surface cleaner   | 16 | 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  | 17 | 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, 650 Litres per hour - 850 Litres per hour             | 18 | 2.639-187.0 | Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (650 to 850 l/h).   | <input type="checkbox"/> |
| <b>Machine-specific nozzle kits for FRV</b>                              |    |             |  |                          |
| Nozzle kit for FRV, 050  | 19 | 2.642-433.0 | Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.  | <input type="checkbox"/> |
| <b>FRV 30 Me surface cleaner</b>   |    |             |  |                          |
| FRV 30 ME  | 20 | 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"/> |
| <b>FOAM SYSTEMS</b>  |    |             |  |                          |
| <b>Cup foam lance</b>  |    |             |  |                          |
| Cup foam lance DUO Advanced 2, 700 Litres per hour - 800 Litres per hour | 21 | 4.112-068.0 | For pressure washers without Servo Control: The DUO Advanced 2 cup foam lance is impressive with its option for direct switching to high-pressure cleaning and two-litre detergent tank.                 | <input type="checkbox"/> |
| Cup foam lance Basic 2, 700 Litres per hour - 800 Litres per hour        | 22 | 4.112-054.0 | Newly developed, very robust Basic 2 cup foam lance especially for high-pressure cleaners with a flow rate of 700-800 l/h. For excellent foam quality with half the cleaning agent consumption.          | <input type="checkbox"/> |
| 1-litre cleaning agent container for cup foam lance advanced             | 23 | 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>QUICK CONNECT</b>   |    |             |  |                          |
| Quick-fitting pipe union coupler trapezo                                 | 24 | 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 x 1.5 internal thread.                            | <input type="checkbox"/> |
| Quick-fitting pipe union plug nipple tra                                 | 25 | 2.115-001.0 | Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.  | <input type="checkbox"/> |
| <b>DRUM AND TANK CLEANING</b>  |    |             |  |                          |
| Add-on kit mud sucker  | 26 | 2.641-798.0 | For connection to the high-pressure hose of Kärcher high-pressure cleaners: Powerful sludge suction cleaner for the retrofitting of high-pressure cleaners to dirt pumps.                                | <input type="checkbox"/> |
| <b>FLUE PIPE</b>   |    |             |  |                          |
| Flue gas adapter   | 27 | 4.656-149.0 | Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).  | <input type="checkbox"/> |
| <b>COUPLING PARTS</b>  |    |             |  |                          |
| <b>Rotary coupling</b>   |    |             |  |                          |
| Rotary coupling  | 28 | 4.111-021.0 | Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection  | <input type="checkbox"/> |

Available accessories.



## EQUIPMENT FOR HDS 7/12-4 M EASY!

1.077-903.0



|   | Order No. | Description |   |                          |
|---|-----------|-------------|---|--------------------------|
| <b>COUPLING PARTS</b>                                   |           |             |   |                          |
| <b>Connector</b>  |           |             |   |                          |
| Short spray unit  | 29        | 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                                  | 30        | 4.111-029.0 | Adapter 1 to connect the old hose with the new hose   | <input type="checkbox"/> |
| Adapter 2 M22IG-TR22AG                                  | 31        | 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                                  | 32        | 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                                    | 33        | 4.111-032.0 | M22 × 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                                  | 34        | 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                                  | 35        | 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                                  | 36        | 4.111-035.0 | Adapter 7 to connect the old spray lance with the new nozzle  | <input type="checkbox"/> |
| Adapter 8 TR20IG-M18AG                                  | 37        | 4.111-036.0 | Adapter 8 to connect the new spray lance with the old nozzle  | <input type="checkbox"/> |
| Coupler -2xM22x1,5                                      | 38        | 4.111-037.0 | Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 × 1.5 m.  | <input type="checkbox"/> |
| ADAPTER for replacement TR22IG-M22AG Er                 | 39        | 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"/> |
| <b>HOSE REELS</b>                                       |           |             |   |                          |
| <b>Automatic, self-winding hose reel attachment kit</b> |           |             |   |                          |
| Attachment kit automatic hose reel HDS M/S              | 40        | 2.110-011.0 | 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.    | <input type="checkbox"/> |
| <b>FACADE AND SOLAR PANEL CLEANING</b>                  |           |             |   |                          |
| <b>Brushes</b>  |           |             |   |                          |
| Transmission brush complete                             | 41        | 4.762-584.0 | Hydraulic drive for rotating roller brushes. For cleaning façades or solar power installations with our professional high-pressure cleaners. Installation on spray lance or telescopic lance. | <input type="checkbox"/> |
| Splash guard complete                                   | 42        | 4.762-621.0 | Splash guard with velcro fastening for rotating roller brush. Clear view of the brush thanks to transparent film, with protection against splashes at the same time.                          | <input type="checkbox"/> |

Available accessories.

## EQUIPMENT FOR HDS 7/12-4 M EASY!

### 1.077-903.0



|   | Order No. | Description |  |
|---|-----------|-------------|--|
| <b>FACADE AND SOLAR PANEL CLEANING</b>                      |           |             |  |
| <b>Brushes</b>  |           |             |  |
| Roll soft   | 43        | 4.762-623.0 | Soft brush attachment for use with hydraulic drive (4.762-584.0). Ideal for glass and solar power installation cleaning. Easy quick-change system and secure mounting on drive. <input type="checkbox"/>               |
| Roll middle   | 44        | 4.762-624.0 | Medium-hard brush attachment for use with hydraulic drive (4.762-584.0). Suitable for sensitive façades, foils and fabrics. Easy and safe quick-change system. <input type="checkbox"/>                                |
| Roll hard   | 45        | 4.762-625.0 | Hard brush attachment for use with hydraulic drive (4.762-584.0). For rough façades, stone and wooden patios. Safe and easy quick-change system. <input type="checkbox"/>  |
| Brush rigid hard  | 46        | 6.960-133.0 | Brush with hard bristles for cleaning industry façades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher. <input type="checkbox"/>           |
| Brush rigid middle  | 47        | 6.960-134.0 | Optimally cleans façades, 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 rigid soft  | 48        | 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>Teleskopstangen</b>                                      |           |             |  |
| Ball valve  | 49        | 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"/>                                    |
| Telescope lance glass fibre 7 m                             | 50        | 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"/>                        |
| Telescope lance hybrid 7 m                                  | 51        | 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"/>                          |
| Telescope lance hybrid 10 m                                 | 52        | 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"/> |
| Telescope lance carbon 10 m                                 | 53        | 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 façades, windows or solar panels. <input type="checkbox"/>                        |
| Telescope lance carbon 14 m                                 | 54        | 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"/>         |
| Pistol  | 55        | 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>ADD ON KITS</b>  |           |             |  |
| <b>Accumulator kits</b>                                     |           |             |  |
| Pressure tank attachment kit for HDS Middle and Super Class | 56        | 2.641-803.0 | The accumulator can be mounted on the HDS machine in order to dampen pressure surges, which conserves the machine's line system. <input type="checkbox"/>  |

Available accessories.

**EQUIPMENT FOR HDS 7/12-4 M EASY!****1.077-903.0**

|   |    | Order No.   | Description        |                          |
|---|----|-------------|--------------------|--------------------------|
| <b>WATER CONNECTION</b>                   |    |             |                    |                          |
| <b>Geka coupling</b>                      |    |             |                    |                          |
| Geka connector with hose barb, R 3/4"     | 57 | 6.388-455.0 | with hose liner    | <input type="checkbox"/> |
| Geka connector with internal thread, R 1" | 58 | 6.388-458.0 | with female thread | <input type="checkbox"/> |

 Available accessories.