

## HDS 7/12-4 M

Our medium and super class hot water water blasters not only do a first-class job of cleaning, they are simple to operate, robust and high-powered.



**Order no.** 1.077-903.0

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

### Technical data

<b>EAN code</b>		4054278140056
<b>Current type</b>	<b>Ph / V / Hz</b>	1 / 240 / 50
<b>Flow rate</b>	<b>l/h</b>	350 - 700
<b>Working pressure</b>	<b>bar / MPa</b>	30 - 120 / 3 - 12
<b>Temperature (12°C inlet temperature)</b>	<b>°C</b>	min. 80 - max. 155
<b>Connected load</b>	<b>kW</b>	3.4
<b>Heating oil consumption, full load</b>	<b>kg/h</b>	4.6
<b>Heating oil consumption, ecoefficiency</b>	<b>kg/h</b>	3.7
<b>Power cable</b>	<b>m</b>	5
<b>Fuel tank</b>	<b>l</b>	25
<b>Weight (with accessories)</b>	<b>kg</b>	155.5
<b>Weight incl. packaging</b>	<b>kg</b>	167.5
<b>Dimensions (L × W × H)</b>	<b>mm</b>	1330 × 750 × 1060

### Equipment

<b>Cleaning agent function</b>		20 + 10 l tank
<b>Spray gun</b>		EASY!Force Advanced
<b>High-pressure hose length</b>	<b>m</b>	20
<b>High-pressure hose type</b>		Longlife
<b>Spray lance</b>	<b>mm</b>	1050
<b>Power nozzle</b>		■
<b>ANTI!Twist</b>		■
<b>Cleaning agent, calcification protection and fuel tanks can be filled from outside</b>		■
<b>Control bar with display light</b>		■
<b>Pressure switch-off</b>		■
<b>Electronic service control with LED display</b>		■
<b>Two detergent tanks</b>		■
<b>Dry-run protection</b>		■
<b>Stainless steel heating coil</b>		■

■ included in delivery.

This device requires instruction.



## Efficiency

- In eco/efficiency mode, the machine operates at the most efficient temperature range (60 °C) – even at the maximum water flow.
- The burner cycles are optimised to reduce fuel consumption by 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 safety

- The large, integrated water fine filter provides reliable protection against small dirt particles for the high-pressure pump.
- The built-in exhaust gas thermostat deactivates the drive motor when the emission temperature exceeds 300°C.
- The Soft Damping System (SDS) compensates for vibrations and pressure peaks in the high-pressure system.

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		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 l/h – 1100 l/h	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>				
1050 mm spray pipe, rotatable, 1050 mm, 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.	■
LED nozzle light	6	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.	□
Spray lance, 250 mm, rotatable	7	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	□
Spray lance, 400 mm, rotatable	8	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	□
600 mm spray pipe, rotatable, 600 mm, rotatable	9	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 mm, rotating, 840 mm, rotatable	10	4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
1550 mm spray pipe, rotatable, 1550 mm, rotatable	11	4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
2050 mm spray pipe, rotatable, 2050 mm, rotatable	12	4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance extender, 1000 mm	13	4.112-048.0		□
<b>Angular spray lance</b>				
Spray lance for toilets and rain gutters	14	4.112-029.0	Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	□

■ Included in delivery. □ Available accessories.

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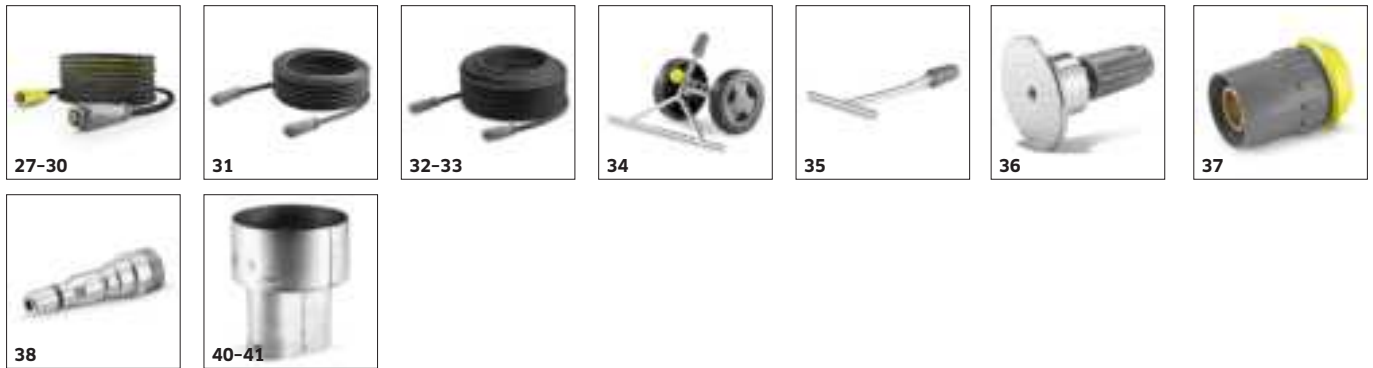


		Order no.	Description	
<b>SPRAY LANCES</b>				
<b>Flexible spray lance</b>				
Flexible lance, 1050 mm	15	4.112-035.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	<input type="checkbox"/>
High pressure articulated joint	16	4.112-057.0	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>Undercarriage spray lance</b>				
Underbody lance	17	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	18	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. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360°-rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.	<input type="checkbox"/>
<b>KÄRCHER POWER NOZZLE</b>				
<b>Power nozzle spray angle 25°</b>				
Power nozzle 25°, 047	19	2.113-009.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	<input checked="" type="checkbox"/>
<b>HP nozzle spray angle 0°</b>				
Power nozzle 0°, 050	20	2.113-034.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	<input type="checkbox"/>
<b>Power nozzle spray angle 15°</b>				
Power nozzle 15°, 055	21	2.113-047.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	<input type="checkbox"/>
<b>Power nozzle spray angle 40°</b>				
Power nozzle 40°, 050	22	2.113-054.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	<input type="checkbox"/>
<b>WATER BLASTER HOSES</b>				
<b>Longlife 400 with unions on both sides</b>				
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	23	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.	<input checked="" type="checkbox"/>
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 2 × EASY!Lock	24	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, 30 m, ID 8, 400 bar, 2 × EASY!Lock	25	6.110-023.0	With rotary coupling, 2 × M 22 × 1.5	<input type="checkbox"/>
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	26	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.	<input type="checkbox"/>
<b>Standard with unions on both sides</b>				
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	27	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.	<input type="checkbox"/>
High-pressure hose, 15 m, ID 8, 315 bar, 2 × EASY!Lock	28	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.	<input type="checkbox"/>

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		Order no.	Description	
WATER BLASTER HOSES				
Standard with unions on both sides				
High-pressure hose, 20 m, ID 8, 315 bar, 2 × EASY!Lock	29	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.	<input type="checkbox"/>
High-pressure hose, 30 m, ID 8, 315 bar, 2 × EASY!Lock	30	6.110-014.0		<input type="checkbox"/>
High-pressure hose, 15 m, ID 10, 220 bar, 2 × EASY!Lock	31	6.110-042.0		<input type="checkbox"/>
High-pressure hose, 25 m, ID 10, 220 bar, 2 × EASY!Lock	32	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, 40 m, ID 10, 220 bar, 2 × EASY!Lock	33	6.110-045.0		<input type="checkbox"/>
WEED CONTROL				
WR 50	34	2.114-013.0	In combination with a hot water high-pressure cleaner from Kärcher, the 50 cm wide weed remover WR 50 is ideal for removing weeds. It comes with an adaptive chassis and nozzle adapter.	<input type="checkbox"/>
WR 20 trapezoidal thread	35	2.114-014.0	For thorough weed removal: The WR 20 weed remover for use with a hot water high-pressure cleaner from Kärcher. Equipped with a 20 cm wide nozzle bar and nozzle adapter.	<input type="checkbox"/>
WR 10	36	2.114-016.0	In combination with hot water high-pressure cleaners our WR 10 weed remover enables fast and thorough weed removal. With 10 cm spray head and nozzle adapter.	<input type="checkbox"/>
QUICK CONNECT				
Quick coupling	37	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"/>
Male coupling	38	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"/>
DRUM AND TANK CLEANING				
Add-on kit mud sucker	39	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"/>
FLUE PIPE				
Flue gas adapter	40	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"/>
	41	4.656-080.0		<input type="checkbox"/>
DICHTUNGEN FÜR TR-GEWINDE				
Spare part set seals TR	42	2.880-001.0		<input type="checkbox"/>

☐ Available accessories.

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		Order no.	Description	
<b>ROTARY NOZZLES (DIRT BLASTERS)</b>				
<b>Dirt blaster, large</b>				
Dirt blaster, large, 050	43	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>MULTIPLE-JET NOZZLES</b>				
<b>Angled vario nozzle 0-90°</b>				
Angled Vario nozzle, 055	44	4.113-008.0		<input type="checkbox"/>
<b>STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE</b>				
<b>Steam jet nozzles</b>				
Steam jet nozzle 50°	45	4.116-000.0	Steam jet nozzle with 50° fan jet. For cleaning and thawing in steam stage. For thawing sand and gravel, de-icing formwork material or de-waxing vehicles.	<input type="checkbox"/>
Steam jet nozzle 40°, 050	46	2.114-002.0	Brass steam nozzle for operation of the HDS in steam stage.	<input type="checkbox"/>
<b>Rollover nozzle holder</b>				
Rollover nozzle holder	47	4.764-012.0	Rollover nozzle holder for contactless changeover from pencil jet to fan jet as well as low-pressure detergent injection via knurled nut. Without nozzle insert. (Additional type-specific power nozzle).	<input type="checkbox"/>
<b>NOZZLE UNION / SPACER</b>				
<b>Nozzle union</b>				
Protection part TR only for replacement	48	4.112-011.0		<input type="checkbox"/>
<b>PIPE CLEANING</b>				
<b>Pipe cleaning hose, ID 6</b>				
Hose assembly TR pipe cleaning DN6 max.2	49	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, NW 6, 20 m, 250 bar	50	6.110-008.0	The 20 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"/>
Hose assembly TR pipe cleaning DN6 max.2	51	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>Pipe cleaning nozzle</b>				
Dirt blaster pipe cleaning D21/060	52	4.765-002.0	The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.	<input type="checkbox"/>
Pipe cleaning nozzle 080	53	5.763-087.0	Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
Pipe cleaning nozzle 120	54	5.763-089.0	Pipe cleaning nozzle with 24 mm diameter. With 8 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
Pipe cleaning nozzle	55	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
	56	5.763-016.0		<input type="checkbox"/>

☐ Available accessories.



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		Order no.	Description	
<b>PIPE CLEANING</b>				
<b>Pipe cleaning nozzle</b>				
Pipe cleaning nozzle	57	5.763-017.0	Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 × 30° backwards, diameter 30 mm.)	<input type="checkbox"/>
Rotating pipe cleaning nozzle	58	6.415-428.0	Pipe cleaning nozzle with four rotating jets and inner thread. Different spray directions. The hose moves freely through the pipe. With R 1/8" connection.	<input type="checkbox"/>
<b>FLOOR AND HARD SURFACE CLEANER</b>				
<b>Hard Surface Cleaner FRV 30</b>				
ABS hose fastening	59	2.642-528.0		<input type="checkbox"/>
ABS dirt trap	60	2.642-532.0		<input type="checkbox"/>
<b>FR 30 Me surface cleaner</b>				
Hard Surface Cleaner FR 30 Me	61	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>				
Surface Cleaner FR 50 Me	62	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 kits for FR</b>				
Nozzle kit for FR, 650 l/h - 850 l/h	63	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	64	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 Surface Cleaner	65	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"/>
FRV 30 Me extension hose	66	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 DUO Advanced 2, 700 l/h - 800 l/h	67	4.112-068.0	DUO Advanced 1 cup foam lance with two-litre detergent tank and direct switching to high-pressure cleaning. Suitable for Kärcher pressure washers with a flow rate of 400 to 600 l/h.	<input type="checkbox"/>
Cup foam lance Basic 2, 700 l/h - 800 l/h	68	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 basic	69	5.071-414.0		<input type="checkbox"/>
1-litre cleaning agent container for cup foam lance advanced	70	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"/>

☐ Available accessories.

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		Order no.	Description	
FOAM SYSTEMS				
Inno Foam Kit				
Inno Foam Set with detergent injector	71	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"/>
Inno Foam Set	72	2.112-008.0		<input type="checkbox"/>
Easy Foam Set				
Easy Foam Set with RM injector	73	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	74	2.112-011.0		<input type="checkbox"/>
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 090 for Inno / Easy Set 700-1,000 l/h	75	2.111-019.0	Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	<input type="checkbox"/>
MIXERS AND INJECTORS				
Cleaning agent injector				
Cleaning agent injector for high and low pressure (without nozzles)	76	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>
Nozzle insert with order no. 3.637-001.0				
Nozzle insert with order no. 3.637-001.0, high pressure for machines up to 1,100 l/h	77	4.769-003.0	Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For water blasters with a water flow rate up to 1100 l/h.	<input type="checkbox"/>
Nozzle insert with order no. 3.637-001, low pressure for devices up to 1,100 l/h	78	4.769-001.0	For low pressure with machines up to 1.100 l/h	<input type="checkbox"/>
COUPLING PARTS				
Rotary coupling				
Rotary coupling	79	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"/>
Connector				
Nozzle screws / screw socket	80	4.111-022.0	For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) – 1 × M 22 × 1.5/1 × M 18 × 1.5.	<input type="checkbox"/>
Y distributor	81	4.111-024.0		<input type="checkbox"/>
Short spray unit	82	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"/>
Adapter EASY!Lock				
Adapter 1 M22AG-TR22AG	83	4.111-029.0	Adapter 1 to connect the old hose with the new hose	<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	84	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"/>

☐ Available accessories.



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		Order no.	Description	
<b>COUPLING PARTS</b>				
<b>Adapter EASY!Lock</b>				
Adapter 3 M22IG-TR22AG	85	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	<input type="checkbox"/>
Adapter 4 TR22IG-D11	86	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	<input type="checkbox"/>
Adapter 5 TR22IG-M22AG	87	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	88	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	89	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	90	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	<input type="checkbox"/>
Adapter hose extension 9 TR	91	4.111-037.0	Adapter 9 to connect the new hose with the new hose	<input type="checkbox"/>
ADAPTER for replacement TR22IG-M22AG Er	92	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 reels for wall mounting</b>				
Automatic hose reel, powder-coated steel / plastic, 20 m	93	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 hose reel, coated, 20 m	94	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Automatic hose reel, stainless steel, includes swivel holder, 20 m	95	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	96	6.392-442.0		<input type="checkbox"/>
Powder-coated swivel holder	97	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	98	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"/>

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		Order no.	Description	
<b>HOSE REELS</b>				
<b>Automatic, self-winding hose reel attachment kit</b>				
Attachment kit automatic hose reel HDS M/S	99	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"/>
Attachment kit automatic hose reel holder HDS M/S	100	2.110-020.0		<input type="checkbox"/>
<b>FACADE AND SOLAR PANEL CLEANING</b>				
<b>Brushes</b>				
Drive for roller brush 500	101	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 for roller brush 500	102	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"/>
Roller brush 500 soft	103	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"/>
Roller brush 500 medium	104	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"/>
Roller brush 500 hard	105	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 hard	106	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	107	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	108	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>				
TL low pressure adapter	109	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	110	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"/>
Telescopic lance TL 7 H	111	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	112	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"/>

☐ Available accessories.

## EQUIPMENT FOR HDS 7/12-4 M

### 1.077-903.0



		Order no.	Description	
<b>FACADE AND SOLAR PANEL CLEANING</b>				
<b>Teleskopstangen</b>				
Telescopic lance TL 10 C	113	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	114	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	115	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)	116	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)	117	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 kits for wet jet unit</b>				
Nozzle pack TR wet jet set 0050	118	2.112-023.0		<input type="checkbox"/>
<b>Boron carbide nozzle</b>				
Boron carbide nozzle, for machines up to 1,000 l/h	119	6.415-084.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	<input type="checkbox"/>
<b>ADD ON KITS</b>				
<b>Accumulator kits</b>				
Add-on accumulator for HDS M/S	120	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"/>
<b>WATER CONNECTION</b>				
<b>Geka coupling</b>				
Geka connector with hose barb, R 3/4"	121	6.388-455.0	with hose liner	<input type="checkbox"/>
Geka connector with hose barb, R 1"	122	6.388-465.0		<input type="checkbox"/>
Hose coupling	123	6.388-458.0	with female thread	<input type="checkbox"/>
<b>Water fine filter</b>				
Water fine filter, with adapter	124	4.730-102.0	Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the water blaster from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".	<input type="checkbox"/>
<b>Water supply hose</b>				
Water supply hose	125	4.440-038.0	NW 13 R1" / R 3/4", up to 30 °C	<input type="checkbox"/>
<b>WASHING BRUSHES</b>				
<b>Push-on washing brush</b>				
Push-on wash brush	126	4.113-001.0	For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection	<input type="checkbox"/>

☐ Available accessories.

EQUIPMENT FOR HDS 7/12-4 M  
1.077-903.0



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128

		Order no.	Description	
WASHING BRUSHES				
Rotating washing brush				
Rotating wash brush for < 800 l/h machines, nylon bristles	127	4.113-004.0	The rotating wash brush gently removes fine dust and grime from all surfaces. Heat-resistant up to 80°C. (M 18 × 1.5, replaceable brush insert).	<input type="checkbox"/>
Rotating wash brush for < 800 l/h machines, natural hair bristles	128	4.113-003.0	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"/>

☐ Available accessories.