

HDS 13/20-4 S

For maximum performance under the harshest conditions: super class hot water high-pressure cleaner with 4-pole, water-cooled electric motor, robust 3-piston axial pump and stainless steel heating coil.



Order No. 1.071-952.0

Technical data

EAN code		4066529129321
Number of phases	Phases	3
Voltage	Volt	420
Frequency	Hertz	50
Flow rate	Litres per hour	600 - 1300
Working pressure	Bar / Mega pascal	30 - 200 / 3 - 20
Max. pressure	Bar	240
Temperature (feed 12 °C)	Celsius	Minimum 80 - Maximum 155
Consumption of fuel oil at full load	Kilograms per hour	9.5
Heating oil consumption, eco!efficiency	Kilograms per hour	7.6
Connected load	Kilowatt	9.5
Power cable	Metre	5
Fuel tank	Litre	25
Weight (with accessories)	Kilogram	233.254
Weight incl. packaging	Kilogram	243.108
Dimensions (L x W x H)	Millimetre	1300 x 800 x 1140

This machine requires instruction.

Scope of supply

Spray gun: EASY!Force Advanced
High-pressure hose length: 20 Metre
High-pressure hose type: Longlife
High-pressure hose specification: DN 8,400 bar
Spray lance: 1050 Millimetre
Power nozzle
High-pressure spray lance
Servo Control

Equipment

Pressure cut-off
Soft Damping System (SDS)
2 Detergent tanks
Dry-running protection
Stainless steel heating coil



Multiple storage spaces for accessories integrated into the machine

- On-board storage for full range of accessories. Includes 2 hooks for suction hose and power cord.
- Roomy storage compartment for cleaning agents, gloves and tools.

Operational reliability

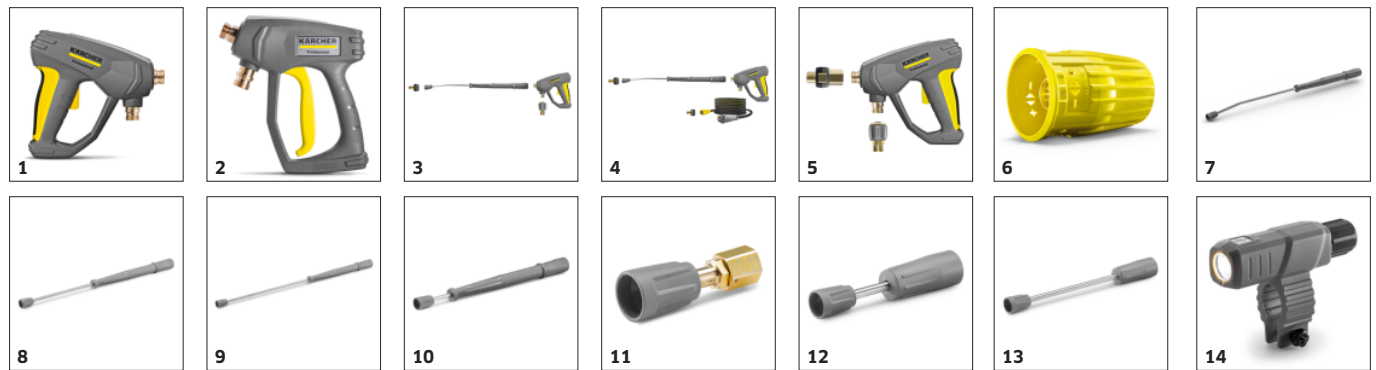
- Easy-to-access water filter protects the pump against dirt particles in the water.
- Safety valves, water shortage and fuel protection ensure the availability of the machine.
- The soft damping system (SDS) compensates for vibrations and pressure surges in the high-pressure system.

Wide-ranging accessories with EASY!Lock

- EASY!Force Advanced for fatigue-free work without any holding force.
- Pressure and water volume can be adjusted on the Servo Control controller positioned between the lance and trigger gun.
- Rotating 1050 mm stainless steel lance.

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		Order No.	Description	
TRIGGER GUNS				
Trigger guns				
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.	■
Pistol TR 155°C with package	2	4.119-002.0	High-quality Classic spray gun with robust valve. Also suitable for Kärcher hot water high-pressure cleaners.	□
Conversion kit 1 from high pressure hose	3	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	4	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.	□
Conversion kit 3 only EASY!Force	5	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.	□
Servo Control				
Servo Control, 1100 Litres per hour -	6	4.118-009.0	Servo Control controller with EASY!Lock	■
SPRAY LANCES				
Rotating spray lances				
Spray lance, 1050 Millimetre, rotatable	7	4.112-000.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Jet pipe with transport packaging, 840 Millimetre	8	4.119-003.0	Rotating Classic spray lance with ergonomic handle bowls in a robust and high-quality stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	□
Spray lance Classic EASY!Lock, 1050 Millimetre	9	4.119-008.0	High-pressure spray lance with EASY!Lock screw connections from the Classic series from Kärcher. Also suitable for Kärcher hot water high-pressure cleaners.	□
Jet pipe TR 600mm with package, 600 Millimetre	10	4.119-009.0	Rotating Classic spray lance with ergonomic handle bowls in a robust and high-quality stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	□
Jet pipe Classic TR 100mm, 100 Millimetre	11	4.119-013.0		□
Jet pipe Classic TR 200mm, 200 Millimetre	12	4.119-014.0		□
Jet pipe Classic TR 400mm, 400 Millimetre	13	4.119-015.0		□
LED nozzle light	14	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.	□

■ Included in delivery. □ Available accessories.

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		Order No.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 250 Millimetre, rotatable	15	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	☐
Spray lance, 400 Millimetre, rotatable	16	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	☐
Spray lance, 600 Millimetre, rotatable	17	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	18	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	19	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	20	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 Millimetre	21	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	☐
Double lance				
Double lance, 960 Millimetre	22	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).	☐
Angular spray lance				
WC and gutter lance	23	4.112-029.0	Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	☐
Flexible spray lance				
Flexible lance, 1050 Millimetre	24	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.	☐
High pressure articulated joint	25	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.	☐
Gutter cleaner				
Gutter cleaning lance	26	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.	☐
Undercarriage spray lance				
Underbody lance	27	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	☐
Additional handle				
Additional handle for EASY!Lock spray lances	28	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.	☐

☐ Available accessories.

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		Order No.	Description	
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle 25Degrees, 068	29	2.113-027.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	■
Power nozzle , 070	30	2.113-028.0		□
HP nozzle spray angle 0°				
Power nozzle 0Degrees, 075	31	2.113-037.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
Power nozzle spray angle 15°				
Power nozzle 15Degrees, 070	32	2.113-049.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
Power nozzle spray angle 40°				
Power nozzle 40Degrees, 075	33	2.113-056.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□
HIGH-PRESSURE HOSES				
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 20 Metre, DN 8, 400 Bar, 2 × EASY!Lock	34	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.	■
High-pressure hose Longlife, 1,5 Metre, DN 8, 400 Bar, 2 × EASY!Lock	35	6.110-024.0	1.5 m short high-pressure hose (DN 8). Comfortable EASY!Lock manual screw fitting on both sides for robust and quick connections. Durable and designed for up to 400 bar pressure.	□
High-pressure hose Longlife, 10 Metre, DN 8, 400 Bar, 2 × EASY!Lock	36	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.	□
Standard with unions on both sides				
High-pressure hose, 10 Metre, DN 8, 315 Bar, 2 × EASY!Lock	37	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	38	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	39	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.	□
High-pressure hose, 30 Metre, DN 8, 315 Bar, 2 × EASY!Lock	40	6.110-014.0	Comfortable length (30 m) and innovative EASY!Lock manual screw fitting: High-pressure hose (DN 8) with ANTI!Twist for pressures up to 315 bar.	□
Food industry version with unions on both sides				
High-pressure hose food grade, 10 Metre, DN 8, 250 Bar, 2 × EASY!Lock	41	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.	□
High-pressure hose food grade, 20 Metre, DN 8, 250 Bar, 2 × EASY!Lock	42	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.	□

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		Order No.	Description	
HIGH-PRESSURE HOSES				
Longlife food industry version with unions on both sides				
High-pressure hose food grade Longlife, 10 Metre, DN 8, 400 Bar, 2 × EASY!Lock	43	6.110-053.0	Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 × M 22 × 1,5	☐
Special hoses				
High-pressure hose curved, 1,5 Metre, DN 8, 400 Bar, 1 × EASY!Lock / 1 × M22 × 1,5	44	6.110-068.0	For connection to hose reels: high-pressure hose, with M 22 × 1,5 connection and curved EASY!Lock hand screw connection. 1.5 m long, suitable for up to 400 bar working pressure.	☐
Classic				
High-pressure hose Classic, 10 Metre, DN 8, 315 Bar × , EASY!Lock	45	4.119-005.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	☐
Hose TR DN8 31,5MPa 20m with package, 20 Metre, DN 8, 315 Bar × , EASY!Lock	46	4.119-006.0		☐
Hose TR DN8 31,5MPa 30m with package, 30 Metre, DN 8, 315 Bar × , EASY!Lock	47	4.119-007.0		☐
WEED CONTROL				
WR 50	48	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.	☐
WR 20 trapezoidal thread	49	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.	☐
WR 100	50	2.114-015.0	Comfortable and fast weed removal: WR 100 weed remover with chassis, 100 cm wide nozzle bar and integrated nozzle adapter for use with hot water high-pressure cleaners.	☐
WR 10	51	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.	☐
ECO!BOOSTER				
eco!Booster TR 080	52	2.113-089.0	eco!Booster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 080).	☐
Eco!Booster MAX TR 080	53	2.113-099.0		☐
QUICK CONNECT				
Quick coupling	54	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.	☐
Male coupling	55	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1,5 external thread.	☐
DRUM AND TANK CLEANING				
Add-on kit mud sucker	56	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.	☐

☐ Available accessories.

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		Order No.	Description	
ADD ON KITS				
Elapsed time counter attachment kit	57	2.853-192.0	Elapsed time counter attachment kit for determining the appliance running time.	☐
OTHER HP ACCESSORIES				
Jet gun	58	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.	☐
FLUE PIPE				
Exhaust gas nozzle	59	4.656-079.0	Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	60	2.880-001.0		☐
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster, large, 070/080	61	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.	☐
Classic rotary nozzle				
Rotor nozzle TR 080	62	4.119-026.0		☐
MULTIPLE-JET NOZZLES				
Angle vario nozzle 0°-90°				
Angled vario nozzle, 055	63	4.113-008.0	Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	☐
STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE				
Steam nozzle				
Steam jet nozzle 50Degrees	64	4.116-001.0	50° flat jet for cleaning and thawing operations in steam mode, e.g. thawing sand and gravel, de-icing formwork, dewaxing vehicles.	☐
Steam jet nozzle 40Degrees, 100	65	2.114-011.0	Brass steam nozzle for operation of the HDS in steam stage.	☐
Rollover nozzle holder				
Owner of jets double brass	66	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).	☐
NOZZLE UNION / SPACER				
Nozzle union				
Protection part TR only for replacement	67	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	☐
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Hose assembly TR pipe cleaning DN6 max.2	68	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).	☐
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	69	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).	☐
Hose assembly TR pipe cleaning DN6 max.2	70	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).	☐

☐ Available accessories.

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		Order No.	Description	
PIPE CLEANING				
Pipe cleaning nozzle				
Dirt blaster pipe cleaning D21/090	71	4.765-003.0	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.	☐
Dirt blaster pipe cleaning D30/090	72	4.765-010.0		☐
Nozzle pipe cleaning size 100	73	5.763-088.0	Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	☐
Pipe cleaning nozzle	74	5.763-019.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
	75	5.763-020.0		☐
	76	5.763-021.0	30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
Add-on kit hose attachment	77	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	☐
Add-on kit dirt trap	78	2.642-532.0	Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	☐
Hard surface cleaner FR 30 ME				
FR 30 ME surface cleaner	79	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.	☐
Hard Surface Cleaner FR 50				
Surface Cleaner FR 50 Me	80	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.	☐
Machine-specific nozzle kit for FR				
Nozzle kit for FR, 1100 Litres per hour - 1300 Litres per hour	81	2.639-188.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 080	82	2.642-982.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	☐
FRV 30 Me surface cleaner				
FRV 30 ME	83	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.	☐
Suction hose FRV 30 me	84	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐

☐ Available accessories.

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		Order No.	Description	
FLOOR AND HARD SURFACE CLEANER				
Surface Cleaner FR 50 Me				
FRV 50 Me surface cleaner	85	2.111-024.0	Surface cleaning with automatic suction of the dirty water for very large surfaces - this means the FRV 50 Me. Hot water cleaning up to 85°C. The FRV 50 Me features a temperature-resistant 10 m polyurethane suction hose. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 2000 l/h / 85°C.	☐
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Advanced 3, 900 Litres per hour - 2500 Litres per hour	86	4.112-065.0	Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobrass for high-pressure cleaners from Kärcher.	☐
Cup foam lance DUO Advanced 3, 900 Litres per hour - 2500 Litres per hour	87	4.112-069.0	DUO Advanced 3 cup foam lance, designed for use with aggressive detergents. With instant switching to high-pressure cleaning, spraying angle adjustment and two-litre tank.	☐
Cup foam lance Basic 3, 900 Litres per hour - 2500 Litres per hour	88	4.112-055.0	High-quality, simple and durable: Basic 3 cup foam lance for high-pressure cleaners with a flow rate of 900-2500 l/h. Halves the cleaning agent consumption while maintaining optimum foam quality.	☐
1-litre cleaning agent container for cup foam lance basic	89	5.071-414.0	For the quick change of the cleaning agent: Additional 1 litre cleaning agent container for basic foam lance (2.112-053.0, 2.112-054.0 and 2.112-055.0).	☐
1-litre cleaning agent container for cup foam lance advanced	90	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).	☐
Inno Foam Kit				
Inno foam kit with detergent injector	91	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.	☐
Inno foam kit	92	2.112-008.0		☐
Easy Foam Set				
Easy Foam Set with RM injector	93	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.	☐
Easy foam set	94	2.112-011.0		☐
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 110 Inno/Easy set 1000 - 1300 l/h	95	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.	☐
Foam nozzle mounting kit				
Foam nozzle kit	96	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.	☐
MIXERS AND INJECTORS				
HP detergent injector				
Detergent injector for high and low pressure (without nozzles)	97	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
Detergent injector for high pressure	98	4.637-033.0	Cleaning agent dosage at high pressure 3 - 5 %	☐

☐ Available accessories.

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		Order No.	Description	
MIXERS AND INJECTORS				
Machine-specific nozzle kit with order no. 3.637-170				
Nozzle insert trapezoidal thread	99	4.769-013.0	For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Nozzle insert with order no. 3.637-001				
High pressure for units rated 1100 l/h or more	100	4.769-002.0	For high pressure with machines above 1.100 l/h	☐
Low pressure for units rated 1100 l/h or more	101	4.769-006.0	For low pressure with machines above 1.100 l/h	☐
COUPLING PARTS				
Rotary coupling				
Rotary coupling	102	4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	☐
Connector				
Nozzle connector/screw connector	103	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 × 1.5 and 1x M 18 × 1.5.	☐
Y distributor	104	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	☐
Short spray unit	105	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	☐
Adapter EASY!Lock				
Adapter 1 M22AG-TR22AG	106	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	107	4.111-030.0	Adapter 2 to connect the old device with the new hose and the old gun with the new hose	☐
Adapter 3 M22IG-TR22AG	108	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter M22 - Swivel	109	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.	☐
Adapter 5 TR22IG-M22AG	110	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	☐
Adapter 6 TR22IG-M22AG	111	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	☐
Adapter 7 M18IG-TR20AG	112	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐

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		Order No.	Description	
COUPLING PARTS				
Adapter EASY!Lock				
Adapter 8 TR20IG-M18AG	113	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Coupler -2xM22x1,5	114	4.111-037.0	Adapter 9 to connect the new hose with the new hose	☐
ADAPTER for replacement TR22IG-M22AG Er	115	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	☐
HOSE REELS				
Automatic, self-winding hose reels				
Automatic plastic hose reel incl. high-pressure hose, 15 Metre	116	2.639-257.0	Spring-mounted and ready-to-use automatic hose reel for wall mounting. Simplifies handling of the high-pressure hose, shortens set-up times and increases occupational safety.	☐
Automatic hose reel, powder-coated steel / plastic, 20 Metre	117	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.	☐
Automatic stainless steel / synthetic material hose drum, 20 Metre	118	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.	☐
Automatic hose reel, coated, 20 Metre	119	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	☐
Hose reel, automatic, basalt grey-coated, 20 Metre	120	6.392-105.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. For example: order no. 6.110-011.0 (ID 8, 20 m, 315 bar) or order no. 6.110-028.0 (ID 8, 20 m, 400 bar Longlife).	☐
Automatic hose reel, stainless steel, includes swivel holder, 20 Metre	121	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	☐
Automatic stainless steel hose reel, 40 Metre	122	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).	☐
Zinc-coated swivel holder	123	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.	☐
Stainless steel swivel holder	124	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.	☐
Automatic, self-winding hose reel attachment kit				
Attachment kit automatic hose reel HDS M/S	125	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.	☐
Attachment kit automatic hose reel holder HDS M/S	126	2.110-020.0	Holder includes connection material for installing an automatic hose reel to machines in the HDS Middle and Super classes.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 13/20-4 S

1.071-952.0



		Order No.	Description	
HOSE REELS				
Automatic, self-winding hose reel attachment kit				
Attachment kit automatic hose reel HDS M/S class	127	2.110-030.0	Automatic hose reel incl. 20 m Teflon-coated Ultra Guard high-pressure hose. The complete mounting kit is easy to fit and suitable for the HDS Middle Class and Super Class.	☐
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Brush rigid hard	128	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.	☐
Brush rigid middle	129	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.	☐
Brush rigid soft	130	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.	☐
iSolar 800 Advanced (1100-1300 l/h)	131	6.368-095.0	For water flow rates of 1,100-1,300 l/h: The 800-mm iSolar water-driven brush head with two contra-rotating disc brushes and flexible angle joint ensures that photovoltaic systems are given an even clean.	☐
iSolar 400 Advanced	132	6.368-093.0	The iSolar 400 water-driven disc brush (working width 400 mm) is designed for water flow rates of 1,100-1,300 l/h. For small to medium-sized photovoltaic systems (including elevated systems).	☐
Teleskopstangen				
Ball valve	133	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.	☐
Telescope lance glass fibre 7 m	134	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.	☐
Telescope lance hybrid 7 m	135	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.	☐
Telescope lance hybrid 10 m	136	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.	☐
Telescope lance carbon 10 m	137	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.	☐
Telescope lance carbon 14 m	138	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.	☐
Pistol	139	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.	☐
Wasserenthärtung				
WS 50	140	6.368-463.0	The mobile WS 50 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 13/20-4 S

1.071-952.0



		Order No.	Description	
FACADE AND SOLAR PANEL CLEANING				
Wasserenthärtung				
WS 100	141	6.368-464.0	The mobile WS 100 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐
WS Regenerator	142	6.368-465.0	With the WS Regenerator regeneration system, the softening cartridges of the water softening units WS 50 and WS 100 can be backflushed and regenerated at the push of a button.	☐
Schläuche				
iSolar HP hose 7	143	6.392-978.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
iSolar HP hose 10	144	6.392-977.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
iSolar HP hose 14	145	6.392-976.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
Attachment kits and adapters				
iSolar fall protection	146	6.988-152.0	Certified personal security system for rooftop work. Contents: Travelling fall arrestor with shock absorber and 15 m kernmantle rope, harness, anchoring sling and sheet steel case.	☐
WET BLASTING ATTACHMENT				
Wet blasting attachment (without nozzle)				
Wet blasting attachment with flow control (without nozzles)	147	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.	☐
Wet blasting attachment without flow control (nozzles not included)	148	4.115-006.0	Addition of spray agent to the high pressure jet. For paint stripping, rust removal and descaling. Assembly on spray lance instead of high-pressure nozzle. Without water flow regulation	☐
Nozzle pack for wet blasting attachment				
Nozzle pack TR wet jet set 0070	149	2.112-027.0	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.	☐
Boron carbide nozzle				
Boron carbide nozzle, for machines as of 1000 l/h	150	6.415-083.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	☐
DRUM AND TANK CLEANING				
Barrel and tank cleaning				
Barrel cleaner BC 14/12	151	2.112-020.0	The BC 14/12 barrel cleaner is a spray unit for the interior cleaning of containers and barrels - especially oak barrels with a capacity of between 225 and 600 litres.	☐
Spray head HKF 30/14-E	152	6.751-061.0	Compact interior cleaning head made of stainless steel for cleaning the interiors of drums and containers with openings of 65 mm or more. Offers an impressively low weight and constant rotation speed by means of an electric motor.	☐
ADD ON KITS				
Remote control set				
Add-on kit remote control HDS M/S/C	153	2.394-005.0		☐
Flame monitoring attachment kit				
Flame monitoring attachment kit for HDS Compact, Middle and Super Class	154	2.644-475.0	Light sensor for monitoring the burner flame. How the light sensor works: the fuel supply is shut off if the flame goes out.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 13/20-4 S

1.071-952.0



		Order No.	Description	
WATER CONNECTION				
Geka coupling				
Geka connector with hose barb, R 3/4"	155	6.388-455.0	with hose liner	☐
Geka connector with hose barb, R 1"	156	6.388-465.0	with hose barb	☐
Geka connector with internal thread, R 1"	157	6.388-458.0	with female thread	☐
Suction filter				
Water suction filter	158	6.414-956.0	Suitable for ponds, storage tanks or similar, polyamide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve	☐
Suction filter with check valve	159	4.730-012.0	Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	☐
Fine-mesh water filter				
Add-on kit water filter universal	160	2.637-020.0	Water fine filter, mesh size 25 µm, max. temperature 50 °C. Protects the machine from small dirt particles in the water. Water volume up to 1200 l/h. 3/4" connection, with 1" adapter.	☐
Fine-mesh water filter with adapter	161	4.730-102.0	Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".	☐
Fine-mesh water filter, 100 µm, R 1"	162	2.638-270.0	Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	☐
Water supply hose				
Water supply hose	163	4.440-207.0	NW 19 R1" / R 3/4", up to 85 °C, for pick-up	☐
	164	4.440-270.0	NW 19 R1" / R1", up to 85 °C	☐
WASHING BRUSHES				
Push-on washing brush				
Push-on wash brush, M 18 × 1.5	165	4.113-001.0	For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection	☐
Rotating washing brush				
Rotating wash brush for > 1000 l/h machines, nylon bristles	166	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 × 1.5 (replaceable brush insert).	☐
Rotating wash brush for > 800 l/h machines, natural bristles	167	4.113-005.0		☐

☐ Available accessories.