HDS 13/20-4 S

The HDS 13/20-4 S is the most powerful hot water high-pressure cleaner in the Super Class and is equipped with a four-pole, water-cooled electric motor.

WORLD'S NO. 1 PRESSURE WASHER BRAND

Made in Germany

3-4 h

SERVO CONTROL

Order no.	1.071-927.0

Technical data

EAN code		4054278140476
Number of current phases	Ph	3
Voltage	V	400
Frequency	Hz	50
Flow rate	l/h	600 - 1300
Working pressure	bar / MPa	30 - 200 / 3 - 20
Temperature (for supply 12 °C)	°C	min. 80 - max. 155
Consumption of fuel oil at full load	kg/h	8.3
Consumption of heating oil in eco!efficiency mode	kg/h	6.6
Connected load	kW	9.3
Power cable	m	5
Fuel tank	l	25
Weight (with accessories)	kg	188.5
Weight incl. packaging	kg	200.5
Dimensions (L × W × H)	mm	1330 × 750 × 1060

This machine requires instruction.

Scope of supply

- **Spray gun:** EASY!Force Advanced
- **High-pressure hose length:** 10 m
- **High-pressure hose type:** Longlife
- **Spray lance:** 1050 mm
- **Power nozzle**
- **Servo Control**

Equipment

- **Pressure cut-off**
- **Option for the 2 spray lance operation**
- **Pole reverse plug (3~)**
- **Soft Damping System (SDS)**
- **Service electronics with LED display**
- **2 Detergent tanks**
- **Dry-running protection**

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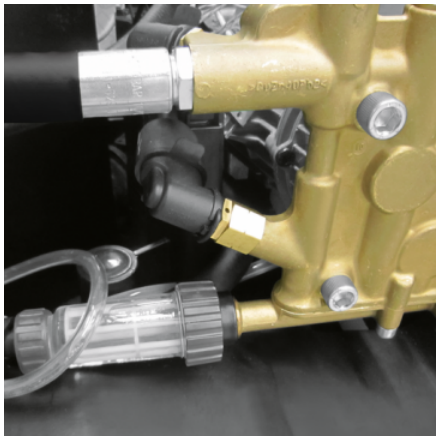

High efficiency

- In eco!efficiency mode, the machine operates in the most economical temperature range (60 °C) – with full water flow.
- The burner cycles are optimised to reduce fuel consumption by 20% compared to full load operation.

Reliability

- The Soft Damping System (SDS) compensates for vibrations and pressure peaks in the high-pressure system.
- Large, easy-to-reach water fine filter for protecting the pump against dirt particles in the water.
- Machine operating data about duration of use and required service intervals can be retrieved.

Maximum performance

- Proven and highly efficient burner technology.
- 4-pole electric motor with 3-piston axial pump.
- Water-cooled motor for a high performance and long service life.

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		Order no.	Description	
TRIGGER GUNS				
Spray 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.	■
EASY!Force conversion kit 1 – from high-pressure hose	2	4.111-050.0	For retrofitting Kärcher high-pressure cleaners with existing high-pressure hose: EASY!Force conversion kit 1 with EASY!Force high-pressure gun, spray lance and all adapters through to the nozzle.	☐
EASY!Force conversion kit 2 – from machine	3	4.111-051.0	Developed for retrofitting existing high-pressure cleaners from Kärcher: EASY!Force conversion kit 2 with EASY!Force high-pressure gun, spray lance, high-pressure hose and necessary adapters.	☐
EASY!Force conversion kit 3 – high-pressure gun	4	4.111-052.0	Compatible with existing high-pressure hose and spray lance: EASY!Force conversion kit 3, incl. EASY!Force trigger gun and all necessary adapters for upgrading your high-pressure cleaner.	☐
Servo control				
Servo Control, 1100 l/h –	5	4.118-009.0	Water quantity and pressure regulated directly from the hand spray gun.	■
SPRAY LANCES				
Rotating spray lances				
Spray lance, 1050 mm, rotatable	6	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 mm	7	4.119-003.0	Rotating Classic spray lance with handle bowls in a stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	☐
Jet pipe TR 600mm with package, 600 mm	8	4.119-009.0		☐
Jet pipe Classic TR 100mm, 100 mm	9	4.119-013.0		☐
Jet pipe Classic TR 200mm, 200 mm	10	4.119-014.0		☐
Jet pipe Classic TR 400mm, 400 mm	11	4.119-015.0		☐
LED nozzle light	12	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	13	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	☐
Spray lance, 400 mm, rotatable	14	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	☐

■ Included in the scope of supply. ☐ Available accessories.

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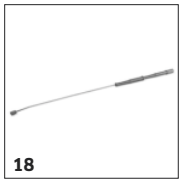
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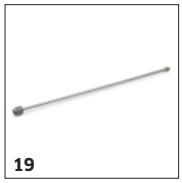
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		Order no.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 600 mm, rotatable	15	4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 840 mm, rotatable	16	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 mm, rotatable	17	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 mm, rotatable	18	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	19	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	☐
Double lance				
Double lance, 960 mm	20	2.112-016.0	960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).	☐
Angular spray lance				
Spray lance for toilets and rain gutters	21	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 mm	22	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	23	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	24	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	25	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	26	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.	☐
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle , 070	27	2.113-028.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	■
HP nozzle spray angle 0°				
Power nozzle 0°, 075	28	2.113-037.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	☐

■ Included in the scope of supply. ☐ Available accessories.

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		Order no.	Description	
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 15°				
Power nozzle 15°, 070	29	2.113-049.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
Power nozzle spray angle 40°				
Power nozzle 40°, 075	30	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, 10 m, ID 8, 400 bar, 2 × EASY!Lock	31	6.110-038.0	10 m long high-pressure hose (DN 8) with double steel core, EASY!Lock manual screw fitting on both sides, and ANTI!Twist. Approved for max. 400 bar pressure.	■
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 2 × EASY!Lock	32	6.110-024.0	1.5 m high-pressure hose (DN 8) with EASY!Lock manual screw fitting on both sides. Designed for max. 400 bar pressure.	☐
Standard with unions on both sides				
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	33	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 m, ID 8, 315 bar, 2 × EASY!Lock	34	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 m, ID 8, 315 bar, 2 × EASY!Lock	35	6.110-032.0	High-pressure hose (DN 8) with a length of 20 m and EASY!Lock manual screw fitting on both sides. Approved for max. 315 bar pressure.	☐
High-pressure hose, 30 m, ID 8, 315 bar, 2 × EASY!Lock	36	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 m, ID 8, 250 bar, 2 × EASY!Lock	37	6.110-051.0	High-pressure hose (ID 6), 10 m long, with grey, non-marking outer covering. Approved for use in the food industry. With EASY!Lock hand screw connection at both ends.	☐
High-pressure hose food grade, 20 m, ID 8, 250 bar, 2 × EASY!Lock	38	6.110-052.0	Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, ANTI!Twist and EASY!Lock hand screw connections.	☐
Longlife food design with screw connections at both ends				
High-pressure hose food grade Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	39	6.110-053.0	With blue, non-marking and animal fat-resistant outer covering: High-pressure hose (ID 8), 10 m long, with ANTI!Twist and EASY!Lock hand screw connection at both ends.	☐
Special hoses				
High-pressure hose curved, 1.5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	40	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 m, ID 8, 315 bar × , EASY!Lock	41	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 m, ID 8, 315 bar × , EASY!Lock	42	4.119-006.0		☐

■ Included in the scope of supply. ☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Classic				
Hose TR DN8 31,5MPa 30m with package, 30 m, ID 8, 315 bar × , EASY!Lock	43	4.119-007.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	☐
WEED CONTROL				
WR 50	44	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	45	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	46	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	47	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.	☐
QUICK CONNECT				
Quick coupling	48	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	49	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	50	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.	☐
OTHER HP ACCESSORIES				
Jet gun	51	2.869-067.0	Spray lance with immediate shut-off and infinitely variable pressure and water volume control.	☐
FLUE PIPE				
Exhaust pipe adapter 76x157mm D199	52	4.656-079.0	Exhaust gas nozzle (oval connection, diameter 157 mm) for connection to the hot water high-pressure cleaner. With draught diverter for flue tube connection. For flue tube diameter up to 200 mm.	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	53	2.880-001.0		☐
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster, large, 070/080	54	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	55	4.119-026.0	The powerful rotating point jet of the Classic rotary nozzle from Kärcher ensures the best possible cleaning results and is suitable for water temperatures of up to 60 °C.	☐
MULTIPLE-JET NOZZLES				
Angled vario nozzle 0-90°				
Angled Vario nozzle, 055	56	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.	☐

☐ Available accessories.

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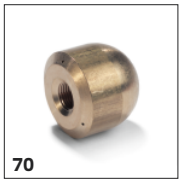
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		Order no.	Description	
STEAM JET NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE				
Steam jet nozzles				
Steam jet nozzle 50°	57	4.116-001.0	50° flat jet for cleaning and thawing operations in steam mode, e.g. thawing sand and gravel, de-icing formwork, dewaxing vehicles.	☐
Steam jet nozzle 40°, 100	58	2.114-011.0	Brass steam nozzle for operation of the HDS in steam stage.	☐
Steam jet nozzle 40°, 110	59	2.114-012.0		☐
Rollover nozzle holder				
Owner of jets double brass	60	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				
Nozzle screws	61	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	☐
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Pipe cleaning hose, ID 6, 10 m, max. 250 bar	62	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	63	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).	☐
Pipe cleaning hose, ID 6, 30 m, max. 250 bar	64	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).	☐
Pipe cleaning nozzle				
Pipe cleaning dirt blaster D21/090	65	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.	☐
Pipe cleaning dirt blaster D30/090	66	4.765-010.0		☐
Pipe cleaning nozzle 100	67	5.763-088.0	Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	☐
Pipe cleaning nozzle	68	5.763-019.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for cleaning blocked drains and pipes.	☐
	69	5.763-020.0		☐
	70	5.763-021.0	30 mm pipe cleaning nozzle with internal thread. Various jet directions for cleaning blocked drains and pipes.	☐

☐ Available accessories.

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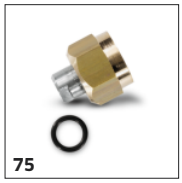
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		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
Hose fastening attachment kit	71	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	☐
Dirt trap attachment kit	72	2.642-532.0	Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	☐
FR 30 Me surface cleaner				
Hard Surface Cleaner FR 30 Me	73	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	74	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 kits for FR				
Nozzle kit for FR, 1100 l/h – 1300 l/h	75	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	76	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 Surface Cleaner	77	2.111-012.0	The stainless steel FRV 30 Me Surface Cleaner is designed for hot water cleaning up to 85 °C in inside and outside areas. Integrated automatic suction removes dirty water directly during operation.	☐
Extension hose FRV 30 Me and FRV 50 Me	78	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐
Surface Cleaner FR 50 Me				
FRV 50 Me surface cleaner	79	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 l/h – 2500 l/h	80	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 l/h – 2500 l/h	81	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 l/h – 2500 l/h	82	4.112-055.0	Basic 3 cup foam lance for high-pressure cleaners with a flow rate of 900–2500 l/h: Reduces cleaning agent consumption by 50% compared to cup foam lances without a dosing facility.	☐
1-litre cleaning agent container for cup foam lance basic	83	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	84	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).	☐

☐ Available accessories.

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FOAM SYSTEMS				
Inno Foam Kit				
Inno Foam Set with detergent injector	85	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 Set	86	2.112-008.0		☐
Easy Foam Set				
Easy Foam Set with RM injector	87	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	88	2.112-011.0		☐
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 110 for Inno / Easy Set 1,000–1,300 l/h	89	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 attachment kit	90	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				
Cleaning agent injector				
Cleaning agent injector for high and low pressure (without nozzles)	91	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
Cleaning agent injector for high pressure (without nozzle)	92	4.637-033.0	Cleaning agent dosage at high pressure 3 – 5 %	☐
Machine-specific nozzle kit with order no. 4.637-033.0				
Nozzle kit 1000–1200 l/h	93	4.769-013.0	For HD/HDS 1000 – 1200 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Nozzle insert with order no. 4.637-032.0				
Nozzle insert from 1,100 l/h – HD	94	4.769-002.0	For high pressure with machines above 1.100 l/h	☐
Nozzle insert from 1,100 l/h – ND	95	4.769-006.0	For low pressure with machines above 1.100 l/h	☐
COUPLING PARTS				
Rotary coupling				
Rotary coupling	96	4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	☐
Connector				
Screw socket for surface cleaners and Servo Control controllers	97	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.	☐
Y distributor	98	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	☐

☐ Available accessories.

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		Order no.	Description	
COUPLING PARTS				
Connector				
Short spray unit	99	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	☐
EASY!Lock adapter				
Adapter 1 M22AG-TR22AG	100	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	101	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	102	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter 4 TR22IG-D11	103	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	☐
Adapter 5 TR22IG-M22AG	104	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	105	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	106	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	107	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Adapter hose extension 9 TR	108	4.111-037.0	Adapter 9 to connect the new hose with the new hose	☐
Adapter 12 rotary coupling EASY!Lock 22 IG – M22 × 1.8 AG	109	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 for wall mounting				
Automatic plastic hose reel incl. high-pressure hose, 15 m	110	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 m	111	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 m	112	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.	☐

☐ Available accessories.

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		Order no.	Description	
HOSE REELS				
Automatic, self-winding hose reels for wall mounting				
Automatic hose reel, coated, 20 m	113	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 m	114	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 m	115	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 m	116	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	117	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	118	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	119	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	120	2.110-020.0	Holder includes connection material for installing an automatic hose reel to machines in the HDS Middle and Super classes.	☐
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Brush hard	121	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 medium	122	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 soft	123	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)	124	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	125	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).	☐
Telescopic lances				
TL low pressure adapter	126	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.	☐

☐ Available accessories.

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		Order no.	Description	
FACADE AND SOLAR PANEL CLEANING				
Telescopic lances				
Telescopic lance TL 7 F	127	4.762-609.0	Telescopic lance TL 7 F with 7 m reach made from lightweight glass fibre. With quick-release fasteners for retraction and extension.	☐
Telescopic lance TL 7 H	128	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.	☐
Telescopic lance TL 10 H	129	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.	☐
Telescopic lance TL 10 C	130	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.	☐
Telescopic lance TL 14 C	131	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.	☐
TL high pressure adapter	132	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.	☐
Water softening				
WS 50	133	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.	☐
WS 100	134	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	135	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.	☐
Hoses				
iSolar HP hose 7	136	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	137	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	138	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	139	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)	140	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.	☐

☐ Available accessories.

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		Order no.	Description	
WET BLASTING ATTACHMENT				
Wet blasting attachment (without nozzle)				
Wet blasting attachment without flow control (nozzles not included)	141	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 kits for wet jet unit				
Nozzle kit for wet jet unit 070	142	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, for machines from 1,000 l/h	143	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	144	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	145	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				
Attachment kit for transport				
Transport eyelet attachment kit	146	2.644-053.0	Lashing eyelet attachment kit for securing middle and super class HDS pressure washers during transport.	☐
Flame monitoring attachment kit				
Flame monitoring attachment kit for HDS Middle and Super Class	147	2.641-796.0	More safety thanks to ABS HDS M/S flame monitoring system: A light sensor monitors the burner flame. The fuel supply cuts out automatically if the flame extinguishes.	☐
Accumulator kits				
Pressure tank attachment kit for HDS Middle and Super Class	148	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.	☐
Remote control set				
Remote control attachment kit for HDS Middle and Super Class	149	2.642-157.0	Remote control for the machines of the HDS Middle and Super class with the functions on/off, hot/cold water and cleaning agent on/off. For mounting to a wall.	☐
Coin-op remote control				
Coin remote control attachment kit for HDS Middle and Super Class	150	2.642-158.0	Retrofittable coin acceptor for machines in the HDS Middle and Super class for self-service operation. For installation on the machine.	☐
WATER CONNECTION				
Geka coupling				
Geka connector with hose barb, R 3/4"	151	6.388-455.0	with hose liner	☐
Geka connector with hose barb, R 1"	152	6.388-465.0	with hose barb	☐
Geka connector with internal thread, R 1"	153	6.388-458.0	with female thread	☐
Suction filter				
Water suction filter	154	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	☐

☐ Available accessories.

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		Order no.	Description	
WATER CONNECTION				
Suction filter				
Suction filter with check valve	155	4.730-012.0	Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	☐
Water fine filter				
Universal water fine filter, 25 µm	156	2.637-020.0	Fine water filter, mesh size 25 µm, max. temperature 50° C. Protects the device from dirt particles in the water. Maximum flow rate: 1,200 l/h. Connection 3/4", including 1" adapter.	☐
Water fine filter, with adapter	157	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".	☐
Water fine filter, 100 µm, R 1"	158	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	159	4.440-207.0	NW 19 R1" / R 3/4", up to 85 °C, for pick-up	☐
	160	4.440-270.0	NW 19 R1" / R1", up to 85 °C	☐
WASHING BRUSHES				
Push-on washing brush				
Push-on wash brush	161	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	162	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	163	4.113-005.0		☐

☐ Available accessories.