

HDS 1000 DE

Hot water high-pressure cleaner with Yanmar diesel engine



Order no. 1.811-943.0

- Diesel engine with electric starter
- Energy-saving EASY!Force high-pressure gun for fatigue-free work
- Professional high-performance hot water unit

Technical data

EAN code		4054278169316
Flow Rate	l/h	450 - 900
Operating pressure	bar / MPa	40 - 200 / 4 - 20
Temperature (supply 12°C)	°C	min. 80 - max. 98
Consumption fuel oil	kg/h	5.6
Nozzle size		048
Fuel tank	l	34
Drive type		Diesel
Motor manufacturer		Yanmar
Motor type		L 100 V
number of simultaneous users		1
Mobility		Stationary
Weight (with accessories)	kg	188.3
Weight incl. packaging	kg	194.1
Dimensions (L x W x H)	mm	1100 x 750 x 785

This device does not require instruction.

Equipment

Trigger gun	EASY!Force Advanced
Cage frame	■
Electric starter	■
Power nozzle	■
Servo Control	■
Sturdy tubular steel frame for handling with crane	■

■ included in delivery.



Optimum ease of use

- Automatic burner cut-out in case of water shortage, overheating protection.
- Ergonomically designed trigger gun for ease of use.



Maximum performance

- High-output burner with upright heating coil and continuous ignition without deflagration.
- For removing stubborn deposits.
- Two integrated diesel and petrol tanks allow long run times.



Economical, diesel-powered combustion engine

- Complies with the requirements of exhaust emissions standard EU STAGE V.
- Electric starter for effortless starting.

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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.	■
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, 750 l/h - 1100 l/h	5	4.118-008.0	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.	■
LED nozzle light	7	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	8	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	□
Spray lance, 400 mm, rotatable	9	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	□
Spray lance, 600 mm, rotatable	10	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	11	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	12	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	13	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	14	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	□

■ Included in delivery. □ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Double lance				
Double lance, 960 mm	15	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	16	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	17	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	18	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	19	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	20	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	21	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.	☐
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power Nozzle , 048	22	2.113-010.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	☒
HP nozzle spray angle 0°				
Power nozzle 0°, 050	23	2.113-034.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	☐
Power nozzle spray angle 15°				
Power nozzle 15°, 055	24	2.113-047.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
Power nozzle spray angle 40°				
Power Nozzle 40°, 050	25	2.113-054.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	☐
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 15 m, DN 8, 315 bar, 2 × EASY!Lock	26	6.110-030.0	15 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	☒
High-pressure hose, 10 m, DN 10, 220 bar, 2 × EASY!Lock	27	6.110-041.0		☐
High-pressure hose, 10 m, DN 8, 315 bar, 2 × EASY!Lock	28	6.110-031.0	10 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	☐

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 20 m, DN 8, 315 bar, 2 × EASY!Lock	29	6.110-032.0	20 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	☐
High-pressure hose, 30 m, DN 8, 315 bar, 2 × EASY!Lock	30	6.110-014.0	With rotary coupling, 2 × M 22 × 1.5	☐
High-pressure hose, 15 m, DN 10, 220 bar, 2 × EASY!Lock	31	6.110-042.0	15 m high-pressure hose M 22 × 1.5) with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.	☐
High-pressure hose, 20 m, DN 10, 220 bar, 2 × EASY!Lock	32	6.110-043.0	with union on both sides, M 22 × 1.5 with anti-kink protection. NW 10/155°C/220 bar	☐
High-pressure hose, 25 m, DN 10, 220 bar, 2 × EASY!Lock	33	6.110-044.0		☐
High-pressure hose, 15 m, DN 12, 210 bar, 2 × EASY!Lock	34	6.110-059.0	High-pressure hose for water volumes greater than 1,800 l / h. With union on both sides. 2x M 22 × 1.5 with anti-kink protection.	☐
High-pressure hose, 40 m, DN 12, 210 bar, 2 × EASY!Lock	35	6.110-060.0		☐
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1,5 m, DN 8, 400 bar, 2 × EASY!Lock	36	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).	☐
High-pressure hose Longlife, 1,5 m, DN 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	37	6.110-069.0	High-pressure hose (ID 8) with double steel reinforcement, 1,5 m long, suitable for up to 400 bar pressure. Connectors: M 22 × 1.5, quick and convenient EASY!Lock hand screw connection.	☐
High-pressure hose Longlife, 10 m, DN 8, 400 bar, 2 × EASY!Lock	38	6.110-038.0	Durable, 10 m long high-pressure hose (ID 8) with double steel reinforcement and EASY!Lock hand screw connection at both ends and ANTI!Twist. Approved for 400 bar pressure.	☐
High-pressure hose Longlife, 30 m, DN 8, 400 bar, 2 × EASY!Lock	39	6.110-023.0	With rotary coupling, 2 × M 22 × 1.5	☐
High-pressure hose Longlife, 20 m, DN 8, 400 bar, 2 × EASY!Lock	40	6.110-027.0	with rotary coupling, 2 × M 22 × 1.5	☐
High-pressure hose Longlife, 15 m, DN 8, 400 bar, 2 × EASY!Lock	41	6.110-029.0	With rotary coupling, 2 × M 22 × 1.5	☐
Longlife food industry version with unions on both sides				
High-pressure hose food grade Longlife, 10 m, DN 8, 400 bar, 2 × EASY!Lock	42	6.110-053.0	With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, ANTI!Twist and EASY!Lock hand screw connection at both ends.	☐

■ Included in delivery. □ Available accessories.

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		Order no.	Description	
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster Vibrasoft, 050	43	4.114-066.0	Vibrasoft rotary nozzle with rotating point jet for ten times greater cleaning performance. Durable dirt blaster thanks to ceramic nozzle. Reduces vibrations by up to 30% for maximum ergonomics.	☐
Dirt blaster, large, 050	44	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.	☐
ECO!BOOSTER				
HydroBooster JET TR 050 Professional	45	2.113-088.0		☐
QUICK CONNECT				
Quick-fitting pipe union coupler trapezo	46	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.	☐
Quick-fitting pipe union plug nipple tra	47	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	48	2.641-798.0		☐
OTHER HP ACCESSORIES				
Jet gun	49	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.	☐
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle screws	50	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	51	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, DN 6, 20 m, 220 bar	52	6.110-008.0	20 m flexible high-pressure hose (DN 6) for cleaning pipes up to 220 bar (threaded connection for R 1/8 nozzle).	☐
Hose assembly TR pipe cleaning DN6 max.2	53	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				
Dirt blaster pipe cleaning D21/060	54	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.	☐
Dirt blaster pipe cleaning D30/060	55	4.765-005.0		☐
Pipe cleaning nozzle	56	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐

☐ Available accessories.

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		Order no.	Description	
PIPE CLEANING				
Pipe cleaning nozzle				
Pipe cleaning nozzle	57	5.763-016.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
	58	5.763-017.0	30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
Rotating pipe cleaning nozzle	59	6.415-428.0	Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.	☐
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
Add-on kit hose attachment	60	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	☐
Add-on kit dirt trap	61	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	62	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				
FR 50 surface cleaner	63	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, 850 l/h - 1100 l/h	64	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 050	65	2.642-433.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	☐
Hard surface cleaner FRV 30 Me				
FRV 30 Me Surface Cleaner	66	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.	☐
Extension hose FRV 30 Me and FRV 50 Me	67	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Advanced 3, 900 l/h - 2500 l/h	68	4.112-065.0		☐
Cup foam lance DUO Advanced 3, 900 l/h - 2500 l/h	69	4.112-069.0		☐
Cup foam lance Basic 3, 900 l/h - 2500 l/h	70	4.112-055.0	For high-pressure cleaners with a flow rate of 900-2500 l/h: new, robust and very high-quality foam cup lance with outstanding foam quality while consuming half as much cleaning agent.	☐

☐ Available accessories.

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FOAM SYSTEMS				
Cup foam lance				
1-litre cleaning agent container for cup foam lance basic	71	5.071-414.0		☐
1-litre cleaning agent container for cup foam lance advanced	72	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 Set				
Inno foam kit with detergent injector	73	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	74	2.112-008.0		☐
Easy Foam Set				
Easy Foam Set with RM injector	75	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	76	2.112-011.0		☐
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 090 Inno/Easy kit 700 - 1000 l/h	77	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.	☐
Foam nozzle mounting kit				
Foam nozzle kit	78	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)	79	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
Detergent injector for high pressure	80	4.637-033.0	Cleaning agent dosage at high pressure 3 - 5 %	☐
Machine-specific nozzle kit with order no. 3.637-170				
Nozzle insert trapezoidal thread HDS-GER	81	4.769-011.0	For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Machine-specific nozzle kit with order no. 3.637-170.0 750-1000 l/h	82	4.769-047.0		☐
Nozzle insert with order no. 3.637-001				
Nozzle insert for Order No. 3.637-001, high-pressure for machines up to 1100 l/h.	83	4.769-003.0	Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.	☐
Low pressure for units rated up to 1100 l/h	84	4.769-001.0	For low pressure with machines up to 1.100 l/h	☐

☐ Available accessories.

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		Order no.	Description	
COUPLING PARTS				
Rotary coupling				
Rotary coupling	85	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.	☐
Connector				
Nozzle connector/screw connector	86	4.111-022.0	Nozzle connector/screw connector for connecting high-pressure nozzles and accessories to the high-pressure trigger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.	☐
Y distributor	87	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	☐
Short spray unit	88	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	89	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	90	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	91	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter M22 - Swivel	92	4.111-032.0	M22 x 1,5female and swivel connection. For extension of high-pressure hoses with AVS connection or for usage of the telescopic lance with a high-pressure hose with AVS connection.	☐
Adapter 5 TR22IG-M22AG	93	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	94	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	95	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	96	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Coupler -2xM22x1,5	97	4.111-037.0	Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.	☐
ADAPTER for replacement TR22IG-M22AG Er	98	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	☐

☐ Available accessories.

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		Order no.	Description	
HOSE REELS				
Hose reel add-on kit				
Hose reel attachment kit for HDS gasoline machines, 20 m	99	2.110-005.0	ABS hose reel for mounting on the machine. For safe and tidy stowage of high-pressure hoses (with connecting hose to machine's HP outlet). Can be rotated under pressure, with M 22 × 1.5 connection.	☐
Automatic, self-winding hose reels				
Automatic plastic hose reel incl. high-pressure hose, 15 m	100	2.639-257.0		☐
Automatic hose reel, powder-coated steel / plastic, 20 m	101	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	102	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 m	103	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	104	6.392-105.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses.	☐
Automatic hose reel, stainless steel, includes swivel holder, 20 m	105	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	106	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).	☐
Powder-coated swivel holder	107	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	108	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.	☐
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Drive for roller brush 500	109	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.	☐
Splash guard for roller brush 500	110	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.	☐
Roller brush 500 soft	111	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.	☐
Roller brush 500 medium	112	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.	☐

☐ Available accessories.

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FACADE AND SOLAR PANEL CLEANING				
Brushes				
Roller brush 500 hard	113	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.	☐
Brush hard	114	6.960-133.0	Brush with hard bristles for cleaning industry façades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.	☐
Brush medium	115	6.960-134.0	Optimally cleans façades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher.	☐
Brush soft	116	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	117	6.368-094.0	iSolar 800 water-driven brush head, 800 mm wide, for water flow rates of 700-1,000 l/h. With two contra-rotating disc brushes and flexible angle joint. For photovoltaic systems.	☐
iSolar 400 Advanced	118	6.368-092.0	iSolar 400 brush for water flow rate of 700-1,000 l/h. The water-driven disc brush with a width of 400 mm cleans small to medium-sized photovoltaic systems. Also perfect for use on elevated systems.	☐
Telescopic				
TL low pressure adapter	119	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.	☐
Telescopic lance TL 7 F	120	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.	☐
Telescopic lance TL 7 H	121	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	122	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	123	4.762-612.0	Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning façades, windows or solar panels.	☐
Telescopic lance TL 14 C	124	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	125	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	126	6.368-463.0	The mobile WS 50 water softening unit prevents lime residue on clean surfaces. A special ion-exchange resin removes the dissolved limescale from the water.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 1000 DE 1.811-943.0



		Order no.	Description	
FACADE AND SOLAR PANEL CLEANING				
Wasserenthärtung				
WS 100	127	6.368-464.0	The mobile WS 100 water softening unit prevents lime residue on clean surfaces. A special ion-exchange resin removes the dissolved limescale from the water.	☐
WS Regenerator	128	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				
Hose solar	129	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.	☐
	130	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.	☐
	131	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				
Case sheet steel	132	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)	133	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)	134	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.	☐
Nozzle pack for wet blasting attachment				
Nozzle pack TR wet jet set 0050	135	2.112-023.0	Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment performance. Only in combination with wet blasting attachment .	☐
Boron carbide nozzle				
Boron carbide nozzle, for machines as of 1000 l/h	136	6.415-084.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	☐
ADD-ON KITS				
Wheel mounting kit				
Practical kit with pneumatic tyres	137	2.637-820.0	Practical kit with pneumatic tyres for HDS 1000 BE and HDS 1000 DE high-pressure cleaners. For improved manoeuvrability.	☐
WATER CONNECTION				
Geka coupling				
With hose nozzle, R 1"	138	6.388-465.0	with hose barb	☐
With female thread, R 3/4"	139	6.388-473.0	with female thread	☐
Suction filter				
Water filter	140	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.

EQUIPMENT FOR HDS 1000 DE
1.811-943.0



		Order no.	Description	
WATER CONNECTION				
Suction filter				
Suction filter with check valve	141	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	142	2.637-020.0		☐
Fine-mesh water filter, 100 µm, R 3/4"	143	2.637-691.0	Fine-mesh water filter, 100 µm, max. temperature 60°C. Protects the high-pressure cleaner from dirt particles contained in the water. Transparent filter cup. Water flow rate up to 1200 l/h. Connector 3/4".	☐
Fine-mesh water filter with adapter	144	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".	☐
WASHING BRUSHES				
Push-on washing brush				
Push-on wash brush, M 18 × 1.5	145	4.113-001.0	Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 × 1.6.	☐
Rotating washing brush				
Rotating wash brush for > 800 l/h machines, nylon bristles	146	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	147	4.113-005.0		☐

☐ Available accessories.