

## HDS 1000 DE

Diesel engine with electric starter hot water blaster. High-quality and reliable machine for diverse use in construction, municipal, agriculture and forestry.



Made in Germany



Stage V



3-4 h

Order no.

1.811-943.0

- Energy-saving EASY!Force high-pressure gun for fatigue-free work

### Technical data

EAN code		4054278169316
Flow rate	l/h	450 - 900
Working pressure	bar / MPa	40 - 200 / 4 - 20
Temperature (12°C inlet temperature)	°C	min. 80 - max. 98
Heating oil consumption, full load/eco!efficiency	kg/h	5.6
Nozzle size		048
Fuel tank	l	34
Fuels		Light oil / Diesel
Drive type		Diesel
Engine manufacturer		Yanmar
Engine 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 × W × H)	mm	1100 × 750 × 785

This device requires instruction.

### Scope of supply

Spray gun: EASY!Force Advanced  
Power nozzle  
Servo control

### Equipment

High-pressure hose length: 15 m  
High-pressure hose type: Premium quality  
High-pressure hose specification: DN 8, 315 bar  
Cage protective frame  
Electric starter  
Sturdy tubular steel frame for handling with crane



### Optimum ease of use

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



### Maximum performance

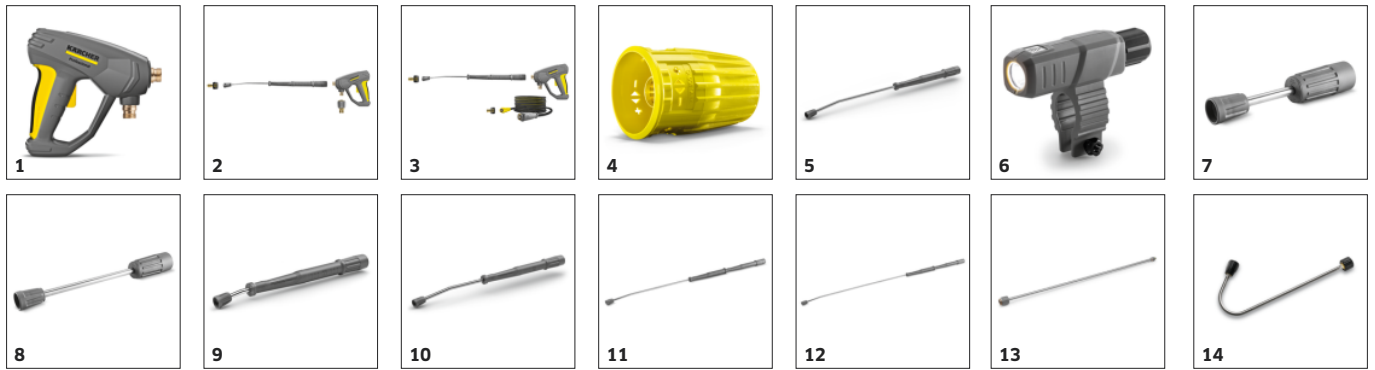
- High-output burner with upright heating coil and detonation-free continuous ignition.
- For removing stubborn deposits.
- Two integrated diesel and petrol tanks allow long run times.



### Economical, diesel-powered combustion engine

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

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



	Order no.	Description	
<b>TRIGGER GUNS</b>			
<b>Trigger guns</b>			
EASY!Force Advanced	1 4.118-005.0	Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.	■
Conversion kit 1 from high pressure hose	2 4.111-050.0	For retrofitting Kärcher high-pressure cleaners with existing high-pressure hose: EASY!Force conversion kit 1 with EASY!Force high-pressure gun, spray lance and all adapters through to the nozzle.	□
Conversion kit 2 from device	3 4.111-051.0	Developed for retrofitting existing high-pressure cleaners from Kärcher: EASY!Force conversion kit 2 with EASY!Force high-pressure gun, spray lance, high-pressure hose and necessary adapters.	□
<b>Servo control</b>			
Servo Control, 750 l/h - 1100 l/h	4 4.118-008.0	Water quantity and pressure regulated directly from the hand spray gun.	■
<b>SPRAY LANCES</b>			
<b>Rotating spray lances</b>			
1050 mm spray pipe, rotatable, 1050 mm, rotatable	5 4.112-000.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
LED nozzle light	6 2.680-002.0	Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.	□
Spray lance, 250 mm, rotatable	7 4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	□
Spray lance, 400 mm, rotatable	8 4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	□
600 mm spray pipe, rotatable, 600 mm, rotatable	9 4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 840 mm, rotating, 840 mm, rotatable	10 4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
1550 mm spray pipe, rotatable, 1550 mm, rotatable	11 4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
2050 mm spray pipe, rotatable, 2050 mm, rotatable	12 4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance extender, 1000 mm	13 4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	□
<b>Angular spray lance</b>			
Spray lance for toilets and rain gutters	14 4.112-029.0	Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	□

■ Included in delivery. □ Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



	Order no.	Description		
<b>SPRAY LANCES</b>				
<b>Flexible spray lance</b>				
Flexible lance, 1050 mm	15	4.112-035.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	<input type="checkbox"/>
High pressure articulated joint	16	4.112-057.0	For hard-to-reach areas: High-pressure articulated joint with infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.	<input type="checkbox"/>
<b>Undercarriage spray lance</b>				
Underbody lance	17	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	<input type="checkbox"/>
<b>Additional handle</b>				
Additional handle for EASY!Lock spray lances	18	4.321-380.0	Comfortable in every situation - the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360°-rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.	<input type="checkbox"/>
<b>KÄRCHER POWER NOZZLE</b>				
<b>Power nozzle spray angle 25°</b>				
Power nozzle , 048	19	2.113-010.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	<input checked="" type="checkbox"/>
<b>HP nozzle spray angle 0°</b>				
Power nozzle 0°, 050	20	2.113-034.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	<input type="checkbox"/>
<b>Power nozzle spray angle 15°</b>				
Power nozzle 15°, 055	21	2.113-047.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	<input type="checkbox"/>
<b>Power nozzle spray angle 40°</b>				
Power nozzle 40°, 050	22	2.113-054.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	<input type="checkbox"/>
<b>WATER BLASTER HOSES</b>				
<b>Standard with unions on both sides</b>				
High-pressure hose, 15 m, ID 8, 315 bar, 2 × EASY!Lock	23	6.110-030.0	15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides.	<input checked="" type="checkbox"/>
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	24	6.110-031.0	High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long.	<input type="checkbox"/>
High-pressure hose, 20 m, ID 8, 315 bar, 2 × EASY!Lock	25	6.110-032.0	20 m long high-pressure hose (DN 8) equipped with the time-saving and robust EASY!Lock manual screw fitting on both sides. Approved for pressures up to 315 bar.	<input type="checkbox"/>
High-pressure hose, 30 m, ID 8, 315 bar, 2 × EASY!Lock	26	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.	<input type="checkbox"/>
High-pressure hose, 15 m, ID 10, 220 bar, 2 × EASY!Lock	27	6.110-042.0	Equipped with innovative EASY!Lock manual screw fitting and suitable for pressures up to 220 bar: 15 m long high-pressure hose (DN 10).	<input type="checkbox"/>
High-pressure hose, 25 m, ID 10, 220 bar, 2 × EASY!Lock	28	6.110-044.0	Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



	Order no.	Description		
<b>WATER BLASTER HOSES</b>				
<b>Longlife 400 with unions on both sides</b>				
High-pressure hose Longlife, 1.5 m, ID 8, 400 bar, 2 × EASY!Lock	29	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.	<input type="checkbox"/>
High-pressure hose Longlife, 1.5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	30	6.110-069.0	1.5 m long high-pressure hose (DN 8) suitable for up to 400 bar pressure with double steel core. Connections: M 22 × 1.5, as well as the comfortable and quick EASY!Lock manual screw fitting.	<input type="checkbox"/>
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	31	6.110-038.0	Durable, 10 m long high-pressure hose (DN 8) with double steel core and EASY!Lock manual screw fitting on both sides and ANTI!Twist. Approved for 400 bar pressure.	<input type="checkbox"/>
High-pressure hose Longlife, 30 m, ID 8, 400 bar, 2 × EASY!Lock	32	6.110-023.0	Robust high-pressure hose with double steel core, ANTI!Twist and EASY!Lock manual screw fitting on both sides. Nominal size DN 8, 30 m long, for up to 400 bar pressure.	<input type="checkbox"/>
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	33	6.110-027.0	High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.	<input type="checkbox"/>
<b>ROTARY NOZZLES (DIRT BLASTERS)</b>				
<b>Dirt blaster, large</b>				
Dirt blaster Vibrasoft, 050	34	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.	<input type="checkbox"/>
Dirt blaster, large, 050	35	4.114-027.0	The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.	<input type="checkbox"/>
<b>ECO!BOOSTER</b>				
eco!Booster TR 050	36	2.113-088.0	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 050).	<input type="checkbox"/>
Eco!Booster MAX TR 050	37	2.113-097.0		<input type="checkbox"/>
<b>QUICK CONNECT</b>				
Quick coupling	38	2.115-000.0	For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 × 1.5 internal thread.	<input type="checkbox"/>
Male coupling	39	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.	<input type="checkbox"/>
<b>DRUM AND TANK CLEANING</b>				
Add-on kit mud sucker	40	2.641-798.0	For connection to the high-pressure hose of Kärcher high-pressure cleaners: Powerful sludge suction cleaner for the retrofitting of high-pressure cleaners to dirt pumps.	<input type="checkbox"/>
<b>SEALS FOR TRAPEZOIDAL THREAD</b>				
Gasket set with 9x O-rings for TR thread	41	2.880-001.0		<input type="checkbox"/>
<b>STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE</b>				
<b>Rollover nozzle holder</b>				
Owner of jets double brass	42	4.764-012.0	Rollover nozzle holder for contactless changeover from pencil jet to fan jet as well as low-pressure detergent injection via knurled nut. Without nozzle insert. (Additional type-specific power nozzle).	<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



		Order no.	Description	
<b>NOZZLE UNION / SPACER</b>				
<b>Nozzle union</b>				
Nozzle screws	43	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	<input type="checkbox"/>
<b>PIPE CLEANING</b>				
<b>Pipe cleaning hose, ID 6</b>				
Hose assembly TR pipe cleaning DN6 max.2	44	6.110-046.0	The 10 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
Pipe cleaning hose, NW 6, 20 m, 250 bar	45	6.110-008.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
Hose assembly TR pipe cleaning DN6 max.2	46	6.110-047.0	The 30 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
<b>Pipe cleaning nozzle</b>				
Dirt blaster pipe cleaning D21/060	47	4.765-002.0	The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.	<input type="checkbox"/>
Pipe cleaning nozzle	48	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
	49	5.763-016.0		<input type="checkbox"/>
	50	5.763-017.0	Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 × 30° backwards, diameter 30 mm.)	<input type="checkbox"/>
Rotating pipe cleaning nozzle	51	6.415-428.0	Pipe cleaning nozzle with four rotating jets and inner thread. Different spray directions. The hose moves freely through the pipe. With R 1/8" connection.	<input type="checkbox"/>
<b>FLOOR AND HARD SURFACE CLEANER</b>				
<b>Hard Surface Cleaner FRV 30</b>				
Hose fastening attachment kit	52	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	<input type="checkbox"/>
Dirt trap attachment kit	53	2.642-532.0	Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	<input type="checkbox"/>
<b>FR 30 Me surface cleaner</b>				
Hard Surface Cleaner FR 30 Me	54	2.111-013.0	Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.	<input type="checkbox"/>
<b>Hard Surface Cleaner FR 50</b>				
Surface Cleaner FR 50 Me	55	2.111-023.0	Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas. With double ceramic bearings, push handle, non-marking swivel castors and detergent dosing system.	<input type="checkbox"/>
<b>Machine-specific nozzle kits for FR</b>				
Nozzle kit for FR, 850 l/h - 1100 l/h	56	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	<input type="checkbox"/>

Available accessories.

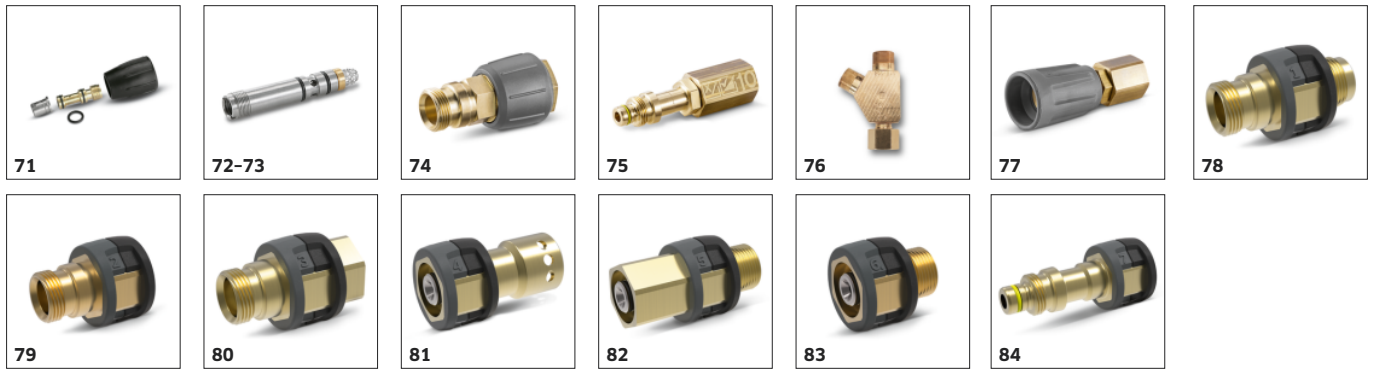
## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



		Order no.	Description	
<b>FLOOR AND HARD SURFACE CLEANER</b>				
<b>Machine-specific nozzle kits for FRV</b>				
Nozzle kit for FRV, 050	57	2.642-433.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	<input type="checkbox"/>
<b>FRV 30 Me surface cleaner</b>				
FRV 30 Me Surface Cleaner	58	2.111-012.0	Thanks to automatic suction of the dirty water, the stainless steel FRV 30 Me Surface Cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85°C.	<input type="checkbox"/>
FRV 30 Me extension hose	59	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	<input type="checkbox"/>
<b>FOAM SYSTEMS</b>				
<b>Cup foam lance</b>				
Cup foam lance Advanced 3, 900 l/h - 2500 l/h	60	4.112-065.0	Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Eco brass for water blasters from Kärcher.	<input type="checkbox"/>
Cup foam lance DUO Advanced 3, 900 l/h - 2500 l/h	61	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.	<input type="checkbox"/>
Cup foam lance Basic 3, 900 l/h - 2500 l/h	62	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.	<input type="checkbox"/>
1-litre cleaning agent container for cup foam lance basic	63	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).	<input type="checkbox"/>
1-litre cleaning agent container for cup foam lance advanced	64	6.414-050.0	Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).	<input type="checkbox"/>
<b>Inno Foam Kit</b>				
Inno Foam Set with detergent injector	65	2.112-000.0	High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.	<input type="checkbox"/>
Inno Foam Set	66	2.112-008.0	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 water blasters for cleaning or disinfection.	<input type="checkbox"/>
<b>Easy Foam Set</b>				
Easy Foam Set with RM injector	67	2.112-010.0	HP foam system for use with HD/HDS units for cleaning and disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately.	<input type="checkbox"/>
Easy Foam Set	68	2.112-011.0		<input type="checkbox"/>
<b>Nozzle kits for Inno/Easy Foam Set</b>				
Nozzle kit 090 for Inno / Easy Set 700-1,000 l/h	69	2.111-019.0	Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	<input type="checkbox"/>
<b>MIXERS AND INJECTORS</b>				
<b>Cleaning agent injector</b>				
Cleaning agent injector for high and low pressure (without nozzles)	70	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



	Order no.	Description	
<b>MIXERS AND INJECTORS</b>			
<b>Machine-specific nozzle kit with order no. 3.637-170.0</b>			
Nozzle kit 750-1000 l/h	71	4.769-047.0	For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union <input type="checkbox"/>
<b>Nozzle insert with order no. 3.637-001.0</b>			
Nozzle insert up to 1,100 l/h - high pressure	72	4.769-003.0	Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For water blasters with a water flow rate up to 1100 l/h. <input type="checkbox"/>
Nozzle insert up to 1,100 l/h - low pressure	73	4.769-001.0	For low pressure with machines up to 1.100 l/h <input type="checkbox"/>
<b>COUPLING PARTS</b>			
<b>Rotary coupling</b>			
Rotary coupling	74	4.111-021.0	Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector Easy!Lock. With grip protection. <input type="checkbox"/>
<b>Connector</b>			
Nozzle screws / screw socket	75	4.111-022.0	For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - 1 × M 22 × 1.5/1 × M 18 × 1.5. <input type="checkbox"/>
Y distributor	76	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet. <input type="checkbox"/>
Short spray unit	77	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles. <input type="checkbox"/>
<b>Adapter EASY!Lock</b>			
Adapter 1 M22AG-TR22AG	78	4.111-029.0	Adapter 1 to connect the old hose with the new hose <input type="checkbox"/>
Adapter 2 M22IG-TR22AG	79	4.111-030.0	Adapter 2 to connect the old device with the new hose and the old gun with the new hose <input type="checkbox"/>
Adapter 3 M22IG-TR22AG	80	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator <input type="checkbox"/>
Adapter 4 TR22IG-D11	81	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose <input type="checkbox"/>
Adapter 5 TR22IG-M22AG	82	4.111-033.0	Adapter 5 to connect the new gun with the old spray lance and new servo regulator with the old spray lance <input type="checkbox"/>
Adapter 6 TR22IG-M22AG	83	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun <input type="checkbox"/>
Adapter 7 M18IG-TR20AG	84	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle <input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



		Order no.	Description	
<b>COUPLING PARTS</b>				
<b>Adapter EASY!Lock</b>				
Adapter 8 TR20IG-M18AG	85	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	<input type="checkbox"/>
Adapter hose extension 9 TR	86	4.111-037.0	Adapter 9 to connect the new hose with the new hose	<input type="checkbox"/>
ADAPTER for replacement TR22IG-M22AG Er	87	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	<input type="checkbox"/>
<b>HOSE REELS</b>				
<b>Automatic, self-winding hose reels for wall mounting</b>				
Automatic hose reel, powder-coated steel / plastic, 20 m	88	6.392-074.0	Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	<input type="checkbox"/>
Automatic hose reel, coated, 20 m	89	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Automatic hose reel, stainless steel, includes swivel holder, 20 m	90	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Automatic stainless steel hose reel, 40 m	91	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).	<input type="checkbox"/>
Zinc-coated swivel holder	92	2.639-931.0	Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	<input type="checkbox"/>
Stainless steel swivel holder	93	2.641-867.0	Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.	<input type="checkbox"/>
<b>FACADE AND SOLAR PANEL CLEANING</b>				
<b>Brushes</b>				
Drive for roller brush 500	94	4.762-584.0	Hydraulic drive for rotating roller brushes. For cleaning façades or solar power installations with our professional high-pressure cleaners. Installation on spray lance or telescopic lance.	<input type="checkbox"/>
Splash guard for roller brush 500	95	4.762-621.0	Splash guard with velcro fastening for rotating roller brush. Clear view of the brush thanks to transparent film, with protection against splashes at the same time.	<input type="checkbox"/>
Roller brush 500 soft	96	4.762-623.0	Soft brush attachment for use with hydraulic drive (4.762-584.0). Ideal for glass and solar power installation cleaning. Easy quick-change system and secure mounting on drive.	<input type="checkbox"/>
Roller brush 500 medium	97	4.762-624.0	Medium-hard brush attachment for use with hydraulic drive (4.762-584.0). Suitable for sensitive façades, foils and fabrics. Easy and safe quick-change system.	<input type="checkbox"/>
Roller brush 500 hard	98	4.762-625.0	Hard brush attachment for use with hydraulic drive (4.762-584.0). For rough façades, stone and wooden patios. Safe and easy quick-change system.	<input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



	Order no.	Description	
<b>FACADE AND SOLAR PANEL CLEANING</b>			
<b>Brushes</b>			
Brush hard	99	6.960-133.0	Brush with hard bristles for cleaning industry facades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher. <input type="checkbox"/>
Brush medium	100	6.960-134.0	Optimally cleans facades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher. <input type="checkbox"/>
Brush soft	101	6.960-135.0	For simple installation on telescopic lances or high-pressure lances from Kärcher: brush with soft bristles for deep cleaning of sensitive surfaces such as glass or solar systems. <input type="checkbox"/>
iSolar 800 Advanced	102	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. <input type="checkbox"/>
iSolar 400 Advanced	103	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. <input type="checkbox"/>
<b>Teleskopstangen</b>			
TL low pressure adapter	104	4.580-097.0	TL low-pressure adapter comprising ball valve for tool-free installation on telescopic lances. Ideal for applications with rotating high-pressure brushes. <input type="checkbox"/>
Telescopic lance TL 7 F	105	4.762-609.0	Telescopic lance TL 7 F with up to 7 m reach made from robust and lightweight glass fibre. With practical quick-release fasteners for simple retraction and extension. <input type="checkbox"/>
Telescopic lance TL 7 H	106	4.762-610.0	Multifunctional hybrid telescopic lance TL 7 H made of rigid and lightweight carbon-glass fibre mix. Telescopic thanks to quick-release fastenings. Up to 7 m reach. <input type="checkbox"/>
Telescopic lance TL 10 H	107	4.762-611.0	Up to 10 m reach: hybrid telescopic lance TL 10 H. Comprising carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners. <input type="checkbox"/>
Telescopic lance TL 10 C	108	4.762-612.0	Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning facades, windows or solar panels. <input type="checkbox"/>
Telescopic lance TL 14 C	109	4.762-613.0	Maximum rigidity with minimum weight: telescopic lance TL 14 C made from carbon fibre. Enormous reach of 14 m, multifunctional use and easy to use thanks to quick-release fasteners. <input type="checkbox"/>
TL high pressure adapter	110	4.775-154.0	TL high-pressure adapter, flexible high-pressure gun for high-pressure cleaning with telescopic lances. Ergonomic, easy to install, suitable for right- and left-handed individuals. <input type="checkbox"/>
<b>Wasserenthärtung</b>			
WS 50	111	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. <input type="checkbox"/>
WS 100	112	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. <input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



	Order no.	Description	
<b>FACADE AND SOLAR PANEL CLEANING</b>			
<b>Wasserenthärtung</b>			
WS Regenerator	113	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. <input type="checkbox"/>
<b>Schläuche</b>			
iSolar HP hose 7	114	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. <input type="checkbox"/>
iSolar HP hose 10	115	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. <input type="checkbox"/>
iSolar HP hose 14	116	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. <input type="checkbox"/>
<b>Attachment kits and adapters</b>			
iSolar fall protection	117	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. <input type="checkbox"/>
<b>WET BLASTING ATTACHMENT</b>			
<b>Wet blasting attachment (without nozzle)</b>			
Wet blasting attachment with flow control (without nozzles)	118	4.115-000.0	Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. <input type="checkbox"/>
Wet blasting attachment without flow control (nozzles not included)	119	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 <input type="checkbox"/>
<b>Nozzle kits for wet jet unit</b>			
Nozzle kit for wet jet unit 050	120	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. <input type="checkbox"/>
<b>Boron carbide nozzle</b>			
Boron carbide nozzle, for machines up to 1,000 l/h	121	6.415-084.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation. <input type="checkbox"/>
<b>ADD ON KITS</b>			
<b>Wheel mounting kit</b>			
Wheel attachment kit for HDS 1000 Be/De	122	2.637-820.0	Practical kit with pneumatic tyres for HDS 1000 BE and HDS 1000 DE water blasters. For improved manoeuvrability. <input type="checkbox"/>
<b>WATER CONNECTION</b>			
<b>Geka coupling</b>			
Geka connector with hose barb, R 1"	123	6.388-465.0	with hose barb <input type="checkbox"/>
Geka connector with inner thread, R 3/4"	124	6.388-473.0	with female thread <input type="checkbox"/>
<b>Water fine filter</b>			
Water fine filter, with adapter	125	4.730-102.0	Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the water blaster from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1". <input type="checkbox"/>
<b>WASHING BRUSHES</b>			
<b>Push-on washing brush</b>			
Push-on wash brush	126	4.113-001.0	For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection <input type="checkbox"/>

Available accessories.

## EQUIPMENT FOR HDS 1000 DE 1.811-943.0



		Order no.	Description	
<b>WASHING BRUSHES</b>				
<b>Rotating washing brush</b>				
Rotating wash brush for > 1000 l/h machines, nylon bristles	127	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).	<input type="checkbox"/>
Rotating washing brush for > 800 l/h machines	128	4.113-005.0		<input type="checkbox"/>

Available accessories.