

HDS 13/20-4S EASY!

The HDS 13/20-4 S is the most powerful hot water high-pressure cleaner in the Super class and is fitted with a 4-pole, water-cooled electric motor and large LED display.



Made in Germany



Order No.

1.071-928.0

- 2-lance operation possible
- Two detergent tanks
- Economical ecoefficiency mode

Technical data

EAN code		4054278140483
Type of current	Phases / Volt / Hertz	3 / 420 / 50
Flow rate	Litres per hour	650 - 1300
Operating pressure	Bar / Mega pascal	30 - 200 / 3 - 20
Temperature (feed 12 °C)	Celsius	Minimum 80 - Maximum 155
Fuel oil consumption, full load	Kilograms per hour	8.3
Heating oil consumption, ecoefficiency	Kilograms per hour	6.6
Power rating	Kilowatt	9.3
Power cord	Metre	5
Fuel tank	Litre	25
Weight (with accessories)	Kilogram	181.5
Weight incl. packaging	Kilogram	193.5
Dimensions (L × W × H)	Millimetre	1330 × 750 × 1060

Equipment

Trigger gun		EASY!Force Advanced
High-pressure hose length	Metre	20
High-pressure hose type		Longlife
Spray lance	Millimetre	1050
Power nozzle		■
Pressure cut-off		■
Optional two-lance operation		■
Pole reversing plug (3-phase)		■
SDS system		■
Electronic service control with LED display		■
Servo Control		■
Two detergent tanks		■
Dry-running protection		■
Stainless steel heating coil		■

■ included in delivery.

This device requires instruction.



High efficiency

- In the Eco mode, the unit operates in the most economical temperature range (60°C) with full water flow.
- Burner cycles are optimised to reduce fuel consumption by up to 20% compared to full-load operation.



Maximum efficiency

- Highly efficient, tried-and-tested burner technology.
- 4-pole electric motor with three-piston axial pump.
- Water-cooled motor for a high performance and long service life.

Reliability

- The soft damping system (SDS) compensates for vibrations and pressure surges in the high-pressure system.
- Large, easy-to-reach water fine filter for protecting the pump against dirt particles in the water.
- Operating time and service interval data can be displayed.

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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.	■
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.	□
Servo Control			
Servo Control, 1100 Litres per hour -	4 4.118-009.0	Servo Control controller with EASY!Lock	□
SPRAY LANCES			
Rotating spray lances			
Spray lance, 1050 Millimetre, 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.	■
Spray lance, 600 Millimetre, rotatable	6 4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 840 Millimetre, rotatable	7 4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 1550 Millimetre, rotatable	8 4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 2050 Millimetre, rotatable	9 4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
HIGH-PRESSURE HOSES			
Longlife 400 with unions on both sides			
High-pressure hose Longlife, 10 Metre, DN 8, 400 Bar, 2 × EASY!Lock	10 6.110-038.0	Durable, 10 m long high-pressure hose (DN 8) with double steel core and EASY!Lock manual screw fitting on both sides and ANTI!Twist. Approved for 400 bar pressure.	■
Standard with unions on both sides			
High-pressure hose, 10 Metre, DN 8, 315 Bar, 2 × EASY!Lock	11 6.110-031.0	High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long.	□
High-pressure hose, 15 Metre, DN 8, 315 Bar, 2 × EASY!Lock	12 6.110-030.0	15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides.	□
High-pressure hose, 20 Metre, DN 8, 315 Bar, 2 × EASY!Lock	13 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.	□
ROTARY NOZZLES (DIRT BLASTERS)			
Dirt blaster, large			
Dirt blaster, large, 070/080	14 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.	□

■ Included in delivery. □ Available accessories.

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	Order No.	Description	
ECO!BOOSTER			
eco!Booster TR 080	15 2.113-089.0	eco!Booster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 080).	<input type="checkbox"/>
QUICK CONNECT			
Quick-fitting pipe union coupler trapezo	16 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 x 1.5 internal thread.	<input type="checkbox"/>
Quick-fitting pipe union plug nipple tra	17 2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.	<input type="checkbox"/>
DRUM AND TANK CLEANING			
Add-on kit mud sucker	18 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"/>
FLOOR AND HARD SURFACE CLEANER			
Hard surface cleaner FR 30 ME			
FR 30 ME surface cleaner	19 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"/>
Hard Surface Cleaner FR 50			
FR 50 surface cleaner	20 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"/>
Machine-specific nozzle kit for FR			
Nozzle kit for FR, 1100 Litres per hour - 1300 Litres per hour	21 2.639-188.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	<input type="checkbox"/>
Machine-specific nozzle kits for FRV			
Nozzle kit for FRV, 080	22 2.642-982.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	<input type="checkbox"/>
FRV 30 Me surface cleaner			
FRV 30 ME	23 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"/>
Surface Cleaner FR 50 Me			
FRV 50 Me surface cleaner	24 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.	<input type="checkbox"/>
FOAM SYSTEMS			
Cup foam lance			
Cup foam lance DUO Advanced 3, 900 Litres per hour - 2500 Litres per hour	25 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 Litres per hour - 2500 Litres per hour	26 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 advanced	27 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"/>
COUPLING PARTS			
Rotary coupling			
Rotary coupling	28 4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	<input type="checkbox"/>

Available accessories.

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	Order No.	Description		
COUPLING PARTS				
Connector				
Short spray unit	29	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	<input type="checkbox"/>
Adapter EASY!Lock				
Adapter 1 M22AG-TR22AG	30	4.111-029.0	Adapter 1 to connect the old hose with the new hose	<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	31	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	32	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	<input type="checkbox"/>
Adapter M22 - Swivel	33	4.111-032.0	M22 × 1,5female and swivel connection. For extension of high-pressure hoses with AVS connection or for usage of the telescopic lance with a high-pressure hose with AVS connection.	<input type="checkbox"/>
Adapter 5 TR22IG-M22AG	34	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	35	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	36	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	37	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	<input type="checkbox"/>
Coupler -2xM22x1,5	38	4.111-037.0	Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 × 1.5 m.	<input type="checkbox"/>
ADAPTER for replacement TR22IG-M22AG Er	39	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"/>
HOSE REELS				
Automatic, self-winding hose reel attachment kit				
Attachment kit automatic hose reel HDS M/S	40	2.110-011.0	Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	<input type="checkbox"/>
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Brush rigid hard	41	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 rigid middle	42	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"/>

Available accessories.

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		Order No.	Description	
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Brush rigid soft	43	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 (1100-1300 l/h)	44	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.	<input type="checkbox"/>
iSolar 400 Advanced	45	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).	<input type="checkbox"/>
Teleskopstangen				
Ball valve	46	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"/>
Telescope lance glass fibre 7 m	47	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"/>
Telescope lance hybrid 7 m	48	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"/>
Telescope lance hybrid 10 m	49	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"/>
Telescope lance carbon 10 m	50	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"/>
Telescope lance carbon 14 m	51	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"/>
Pistol	52	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"/>
Wasserenthärtung				
WS 50	53	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.	<input type="checkbox"/>
WS 100	54	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.	<input type="checkbox"/>
Schläuche				
iSolar HP hose 7	55	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	56	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"/>

Available accessories.

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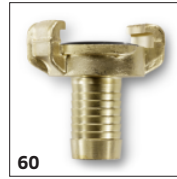
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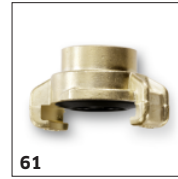
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	Order No.	Description	
FACADE AND SOLAR PANEL CLEANING			
Schläuche			
iSolar HP hose 14	57 6.392-976.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	<input type="checkbox"/>
Attachment kits and adapters			
iSolar fall protection	58 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"/>
ADD ON KITS			
Accumulator kits			
Pressure tank attachment kit for HDS Middle and Super Class	59 2.641-803.0	The accumulator can be mounted on the HDS machine in order to dampen pressure surges, which conserves the machine's line system.	<input type="checkbox"/>
WATER CONNECTION			
Geka coupling			
Geka connector with hose barb, R 3/4"	60 6.388-455.0	with hose liner	<input type="checkbox"/>
Geka connector with internal thread, R 1"	61 6.388-458.0	with female thread	<input type="checkbox"/>

Available accessories.