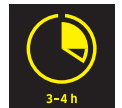


HDS 10/20-4M EASY!

HDS 10/20-4 M EASY!Force - the powerful three-phase hot water high-pressure cleaner in the Kärcher Middle class. With 4-pole, water-cooled electric motor, two cleaning agent tanks and service electronics.



Made in Germany



Order No.

1.071-903.0

- Economical ecoefficiency mode
- Two detergent tanks
- Three-phase motor: water-cooled

Technical data

EAN code		4054278140254
Type of current	Phases / Volt / Hertz	3 / 420 / 50
Flow rate	Litres per hour	500 - 1000
Operating pressure	Bar / Mega pascal	30 - 200 / 3 - 20
Temperature (feed 12 °C)	Celsius	Minimum 80 - Maximum 155
Power rating	Kilowatt	7.8
Fuel oil consumption, full load	Kilograms per hour	6.4
Heating oil consumption, ecoefficiency	Kilograms per hour	5.1
Power cord	Metre	5
Fuel tank	Litre	25
Weight (with accessories)	Kilogram	168
Weight incl. packaging	Kilogram	180
Dimensions (L × W × H)	Millimetre	1330 × 750 × 1060

Equipment

Cleaning agent function		20 + 10 l tank
Trigger gun		EASY!Force Advanced
High-pressure hose	Metre	20 / Longlife
Spray lance	Millimetre	1050
Power nozzle		■
ANTI!Twist		■
Cleaning agent, scale inhibitor and fuel tanks can be filled from outside		■
Control panel with LED display		■
Pressure cut-off		■
Electronic service control with LED display		■
Two detergent tanks		■
Dry-running protection		■
Stainless steel heating coil		■

■ Included in delivery.

This device requires instruction.



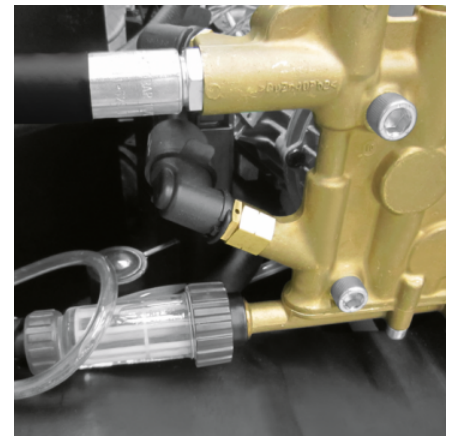
Economical

- 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.
- The stainless steel heating coil offers lasting protection against corrosion and prevents the formation of black water.



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.



Operational reliability

- The large, integrated fine-mesh water filter reliably protects the high-pressure pump against the ingress of dirt particles.
- An integrated exhaust gas thermostat switches off the drive motor if the exhaust gas temperature exceeds 300°C.
- The soft damping system (SDS) compensates for vibrations and pressure surges in the high-pressure system.

EQUIPMENT FOR HDS 10/20-4M EASY!

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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, 750 Litres per hour - 1100 Litres per hour	4 4.118-008.0	Water quantity and pressure regulated directly from the hand spray gun.	□
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.	■
High-pressure hose Longlife, 20 Metre, DN 8, 400 Bar, 2 × EASY!Lock	11 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.	□
Standard with unions on both sides			
High-pressure hose, 10 Metre, DN 8, 315 Bar, 2 × EASY!Lock	12 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	13 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	14 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.	□

■ Included in delivery. □ Available accessories.

EQUIPMENT FOR HDS 10/20-4M EASY!

1.071-903.0



		Order No.	Description	
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster, large, 055/060	15	4.114-036.0	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"/>
FLOOR AND HARD SURFACE CLEANER				
Hard surface cleaner FR 30 ME				
FR 30 ME surface cleaner	16	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	17	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, 850 Litres per hour - 1100 Litres per hour	18	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	<input type="checkbox"/>
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 080	19	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	20	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	21	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	22	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	23	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	24	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"/>
QUICK CONNECT				
Quick-fitting pipe union coupler trapezo	25	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	26	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	27	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"/>
FLUE PIPE				
Flue gas adapter	28	4.656-149.0	Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	<input type="checkbox"/>

Available accessories.

EQUIPMENT FOR HDS 10/20-4M EASY!

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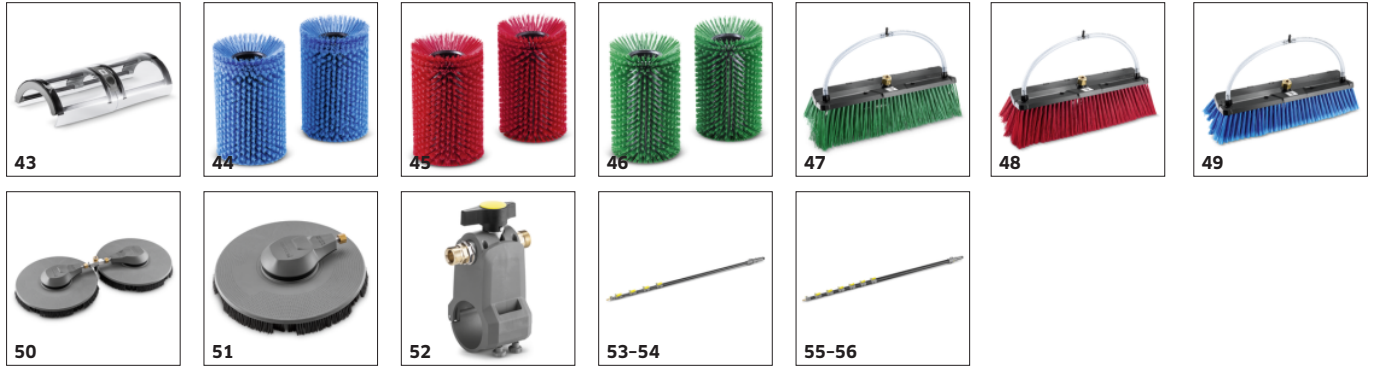


		Order No.	Description	
COUPLING PARTS				
Rotary coupling				
Rotary coupling	29	4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	<input type="checkbox"/>
Connector				
Short spray unit	30	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	<input type="checkbox"/>
Adapter EASY!Lock				
Adapter 1 M22AG-TR22AG	31	4.111-029.0	Adapter 1 to connect the old hose with the new hose	<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	32	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	33	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	34	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	35	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	36	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	37	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	38	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	<input type="checkbox"/>
Coupler -2xM22x1,5	39	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	40	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	41	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				
Transmission brush complete	42	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"/>

Available accessories.

EQUIPMENT FOR HDS 10/20-4M EASY!

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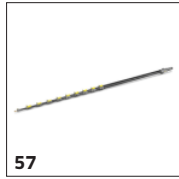


	Order No.	Description		
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Splash guard complete	43	4.762-621.0	Splash guard with velcro fastening for rotating roller brush. Clear view of the brush thanks to transparent film, with protection against splashes at the same time.	<input type="checkbox"/>
Roll soft	44	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"/>
Roll middle	45	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"/>
Roll hard	46	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"/>
Brush rigid hard	47	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.	<input type="checkbox"/>
Brush rigid middle	48	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.	<input type="checkbox"/>
Brush rigid soft	49	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	50	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	51	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"/>
Teleskopstangen				
Ball valve	52	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	53	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	54	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	55	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	56	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.	<input type="checkbox"/>

Available accessories.

EQUIPMENT FOR HDS 10/20-4M EASY!

1.071-903.0



57



58



59-60



61-63



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66



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	Order No.	Description	
FACADE AND SOLAR PANEL CLEANING			
Teleskopstangen			
Telescope lance carbon 14 m	57 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	58 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"/>
Wassersenthärtung			
WS 50	59 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	60 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	61 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	62 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	63 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	64 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	65 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"	66 6.388-455.0	with hose liner	<input type="checkbox"/>
Geka connector with internal thread, R 1"	67 6.388-458.0	with female thread	<input type="checkbox"/>

Available accessories.