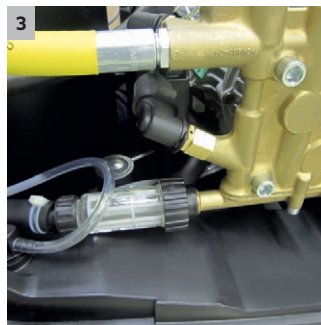




HDS 10/20-4 MX

The HDS 10/20-4 MX with hose reel, 20-metre pressure hose and 4-pole, water-cooled electric motor is the most powerful three-phase hot water high-pressure cleaner in the Kärcher Middle class.



1 Efficiency

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

2 Maximum efficiency

- Highly efficient, tried-and-tested burner technology.
- Four-pole electric motor with three-piston axial pump.

3 Operational safety

- The large, integrated water fine filter reliably protects the high-pressure pump against small dirt particles.
- An integrated exhaust gas thermostat switches off the drive motor if the emission temperature exceeds 300°C.

4 Storage

- Integrated hose reel with 20 m pressure hose. For a large operating radius and effortless stowage.
- Spacious storage compartment for cleaning agents, gloves or tools.



HDS 10/20-4 MX

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

Technical data

Order No.	1.071-912.0	
EAN code	4054278140346	
Supply voltage	Ph / V / Hz	3 / 400 / 50
Flow rate	l/h	500-1000
Pressure	bar / MPa	30-200 / 3-20
Max. temperature	°C	80 / 155
Connection load	kW	7.8
Heating oil or gas consumption, full load	kg/h	6.4
Fuel tank	l	25
Weight	kg	179
Dimensions (L × W × H)	mm	1330 × 750 × 1060

Equipment

Spray gun	EASY!Force Advanced	Pole reverse plug (3-phase)	■
High-pressure hose	m 20 / Long-life	Service electronics with LED display	■
Spray lance	mm 1050	Two detergent tanks	■
Power nozzle	■	Dry-running protection	■
Servo Control	-		
Integrated pressure hose reel	■		
Anti-twist system (AVS)	-		
Tanks for cleaning agent, calcification protection and fuel can be filled from the outside	■		
Control panel with display light	■		
Three-piston axial pump	With ceramic pistons		
Pressure cut-off	-		

■ Included in delivery.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0

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		Order No.	ID	Max. working pressure	Length	Price	Description	
Standard with unions on both sides								
High-pressure hose 2x EASY!Lock, ID 8, 315 bar, 10 m, ANTI!Twist	1	6.110-031.0	ID 8	315 bar	10 m		High-pressure hose (ID 8) suitable for up to 315 bar pressure. High-pressure hose with innovative EASY!Lock hand screw connection at both ends, ANTI!Twist, 10 m long.	▲
High-pressure hose 2x EASY!Lock, ID 8, 315 bar, 15 m, ANTI!Twist	2	6.110-030.0	ID 8	315 bar	15 m		15 m long high-pressure hose, ID 8, with ANTI!Twist at both ends with time-saving EASY!Lock hand screw connection.	▲
High-pressure hose 2x EASY!Lock ID 8, 315 bar, 20 m, ANTI!Twist	3	6.110-032.0	ID 8	315 bar	20 m		High-pressure hose (ID 8), 20 m long, with time-saving and robust EASY!Lock hand screw connection at both ends. For up to 315 bar pressure.	▲
High-pressure hose 2x EASY!Lock, ID 8, 315 bar, 30 m, ANTI!Twist	4	6.110-014.0	ID 8	315 bar	30 m		Convenient length (30 m) and innovative EASY!Lock hand screw connection: high-pressure hose (ID 8) with ANTI!Twist for up to 315 bar pressure.	▲
High-pressure hose 2x EASY!Lock, ID 10, 220 bar, 15 m	5	6.110-042.0	ID 10	220 bar	15 m		With innovative EASY!Lock hand screw connection for up to 220 bar pressure: 15 m long high-pressure hose (ID 10).	▲
High-pressure hose 2x EASY!Lock, ID 10, 220 bar, 20 m	6	6.110-043.0	ID 10	220 bar	20 m		Main features of this high-pressure hose (ID 10): 20 m long with extremely time-saving and convenient EASY!Lock hand screw connection at both ends.	▲
High-pressure hose 2x EASY!Lock, ID 10, 220 bar, 25 m	7	6.110-044.0	ID 10	220 bar	25 m		Impressive values and basic equipment: high-pressure hose, (ID 10), 25 m long, for up to 220 bar pressure.	▲
High-pressure hose 2x EASY!Lock, ID 10, 220 bar, 40 m	8	6.110-045.0	ID 10	220 bar	40 m		40 m long high-pressure hose with EASY!Lock system for time-saving hand screw connection (at both ends). (ID) 10, up to 220 bar working pressure.	▲
High-pressure hose 2x EASY!Lock, ID 12, 250 bar, 15 m	9	6.110-059.0	ID 12	250 bar	15 m		Suitable for up to 250 bar working pressure: high-pressure hose (ID 12), 15 m long, with convenient EASY!Lock hand screw connection at both ends.	▲
High-pressure hose 2x EASY!Lock 2x EASY!Lock ID 12, 250 bar, 40 m	10	6.110-060.0	ID 12	250 bar	40 m		With EASY!Lock hand screw connection, 40 m long for wide working radius: high-pressure hose (ID 12) with EASY!Lock hand screw connection at both ends. Suitable for up to 250 bar working pressure.	▲
Longlife 400 with unions on both sides								
High-pressure hose Longlife 400 2x EASY!Lock, ID 8, 400 bar, 30 m, ANTI!Twist	11	6.110-023.0	ID 8	400 bar	30 m		Durable high-pressure hose with double steel reinforcement, ANTI!Twist and EASY!Lock hand screw connection at both ends. ID 8, 30 m long, for up to 400 bar pressure.	▲
High-pressure hose Longlife 400 2x EASY!Lock, ID 8, 400 bar, 20 m, ANTI!Twist	12	6.110-027.0	ID 8	400 bar	20 m		High-pressure hose with ANTI!Twist, EASY!Lock hand screw connections and double steel reinforcement. 20 m long, ID 8, EASY!Lock hand screw connection at both ends.	▲
High-pressure hose Longlife 400 2x EASY!Lock, ID 8, 400 bar, 15 m, ANTI!Twist	13	6.110-029.0	ID 8	400 bar	15 m		The double steel reinforcement ensures a long lifetime of this 15 m long high-pressure hose (ID 8), approved for up to 400 bar pressure hose.	▲
Food industry version with unions on both sides								
High-pressure hose, food grade, 2x EASY!Lock, ID 8, 10 m, ANTI!Twist	14	6.110-051.0	ID 8	250 bar	10 m		High-pressure hose (ID 8), 10 m long, with grey, non-marking outer covering. Approved for use in the food industry. With quick and robust EASY!Lock hand screw connection at both ends.	▲
High-pressure hose, food grade, 2x EASY!Lock, ID 8, 20 m, ANTI!Twist	15	6.110-052.0	ID 8	250 bar	20 m		Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, ANTI!Twist and EASY!Lock hand screw connections.	▲
Longlife food design with screw connections at both ends								
High-pressure hose, food grade Longlife, 400 2x EASY!Lock, ID 8, 10 m, ANTI!Twist	16	6.110-053.0	ID 8	400 bar	10 m		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. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0

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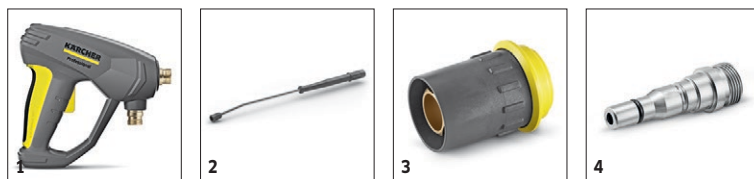
		Order No.	ID	Max. working pressure	Length	Price	Description	
Longlife 400								
High-pressure hose Longlife 400 AVS hose reel connection, ID 8, 400 bar, 20 m, ANTI!Twist	17	6.110-028.0	ID 8	400 bar	20 m		20 m high-pressure hose (ID 8), for up to 400 bar pressure. With AVS hose reel connection and double steel reinforcement. EASY!Lock hand screw connection at other end of the hose.	■
Standard								
High-pressure hose AVS hose reel connection, ID 8, 315 bar, 15 m, ANTI!Twist	18	6.110-033.0	ID 8	315 bar	15 m		High-pressure hose with rotatable ANTI!Twist AVS hose reel connection and EASY!Lock hand screw connection. Maximum working pressure 315 bar, 15 m long, ID 6.	□
Special hoses								
High-pressure hose 1x EASY!Lock curved 1x M 22 x 1.5, ID 8, 400 bar, 1.5 m	19	6.110-068.0	ID 8	400 bar	1.5 m		For connection to hose reels: high-pressure hose, with M 22 x 1.5 connection and curved EASY!Lock hand screw connection. 1.5 m long, suitable for up to 400 bar working pressure.	□

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.	Flow rate				Price	Description	
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.	■
Servo control									
Servo Control controller with EASY!Lock	2	4.118-008.0	750-1100 l/h						■
Quick connect									
Quick coupling	3	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.	□
Male coupling	4	2.115-001.0						Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.	□

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.	Nozzle size				Price	Description	
Power nozzle spray angle 25°									
Power nozzle spray angle 25°	1	2.113-024.0	52					Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
HP nozzle spray angle 0°									
High-pressure nozzle with 0° spray angle	2	2.113-035.0	55					High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
Power nozzle spray angle 15°									
Power nozzle spray angle 15°	3	2.113-047.0	55					Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
Power nozzle spray angle 40°									
Power nozzle spray angle 40°	4	2.113-055.0	55					Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0

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		Order No.	Max. working pressure	Length			Price	Description	
Rotating spray lances									
1050 mm spray pipe, rotatable	1	4.112-000.0	300 bar	1050 mm				1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Spray lance, 200 mm, rotatable	2	4.112-027.0	300 bar	250 mm				600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 400 mm, rotatable	3	4.112-024.0	300 bar	400 mm					□
600 mm spray pipe, rotatable	4	4.112-007.0	300 bar	600 mm					□
850 mm spray pipe, rotatable	5	4.112-006.0	300 bar	840 mm				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	6	4.112-018.0	300 bar	1550 mm				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	7	4.112-021.0	300 bar	2050 mm				2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Double lance									
Double lance 960 mm	8	6.394-665.0	310 bar	960 mm				960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).	□
Angular spray lance									
Spray lance for toilets and rain gutters	9	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	10	4.112-035.0	210 bar	1050 mm				1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	□
Telescopic spray lance									
Telescopic spray lance	11	4.112-037.0	225 bar	5400 mm				Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach, such as ceilings or facades. With integrated HD trigger gun, M 22 x 1.5 connection with rotary coupling. Connection for M 18 x 1.5 nozzles.	□
Strap for telescopic spray pipe	12	6.373-987.0						Convenient strap for relief when working with the telescopic spray lance (6.394-690). The burden is optimally distributed on the body and longer periods of use are possible.	□
Gutter cleaner									
Gutter cleaning lance	13	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	14	4.112-032.0		700 mm				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	15	4.321-380.0							□
Weed control									
WR 50 trapezoidal thread	16	2.114-013.0							□
WR 20 trapezoidal thread	17	2.114-014.0							□

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.						Price	Description	
Crane lifting kit										
Crane loading attachment kit for HDS medium and super class	1	2.642-424.0							Effortless loading by crane.	<input type="checkbox"/>
Grey wheel kit										
Grey wheel kit HDS M/S	2	2.641-975.0								<input type="checkbox"/>
Flame monitoring attachment kit										
Flame monitoring attachment kit for HDS M/S	3	2.641-796.0							More safety thanks to ABS HDS M/S flame monitoring system: A light sensor monitors the burner flame. The fuel supply cuts out automatically if the flame extinguishes.	<input type="checkbox"/>
Y distributor										
Y distributor	4	4.111-024.0								<input type="checkbox"/>
Accumulator kits										
Add-on accumulator for HDS M/S	5	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"/>
Remote control set										
Remote control attachment kit, HDS-M class	6	2.642-157.0								<input type="checkbox"/>
Coin-op remote control										
Coin remote control attachment kit, HDS-M class	7	2.642-158.0								<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.	Flow rate	Nozzle size	Diameter	Price	Description	
Hard Surface Cleaner FRV 30								
Hose fastening attachment kit	1	2.642-528.0						<input type="checkbox"/>
Dirt trap attachment kit	2	2.642-532.0						<input type="checkbox"/>
FR 30 Me surface cleaner								
Hard Surface Cleaner FR 30 Me	3	2.111-013.0			300 mm		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								
Surface Cleaner FR 50 Me	4	2.111-023.0			500 mm		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 kits for FR								
Nozzle kit for surface cleaners	5	2.640-442.0	850-1100 l/h				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 080 - for FRV	6	2.642-982.0		80				<input type="checkbox"/>
FRV 30 Me surface cleaner								
Extension hose FRV 30 Me and FRV 50 Me	7	4.441-040.0						<input type="checkbox"/>
Surface Cleaner FRV 30 Me	8	2.111-012.0						<input type="checkbox"/>
Surface Cleaner FR 50 Me								
Surface Cleaner FRV 50 ME	9	2.111-024.0						<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.						Price	Description	
Nozzle union										
Protection part TR only for re- placement	1	4.112-011.0								<input type="checkbox"/>
Coupling parts										
Articulated joint	2	6.987-705.0							This articulated joint with variable angle adjustment (up to an angle of 120°) is recommended for cleaning hard to reach areas. Fits directly on the spray lance.	<input type="checkbox"/>
Rotary coupling										
Rotary coupling	3	4.111-021.0							Reliably prevents twisting of HP hoses. Connection M 22 x 1.5 m. Handle protection	<input type="checkbox"/>
Coupling										
Connector	4	4.111-037.0							For connecting and extending HP hoses, 2 x M 22 x 1.5 m connection, brass with rubber protection	<input type="checkbox"/>
Connector										
Screw sockets for surface cleaners and Servo Control controller	5	4.111-022.0							For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - 1 x M 22 x 1.5/1 x M 18 x 1.5.	<input type="checkbox"/>
Short spray unit	6	4.111-038.0								<input type="checkbox"/>
EASY!Lock adapter										
Adapter 1 M22 x 1.5 AG - EASY!Lock 22 AG	7	4.111-029.0							Adaptor for connecting pressure hoses with EASY!Lock and pressure hoses with M 22×1.5 connection.	<input type="checkbox"/>
Adapter 2 M22 x 1.5 IG - EASY!Lock 22 AG	8	4.111-030.0							Adaptor for connecting high-pressure cleaners or high-pressure guns with M 22×1.5 connection and pressure hoses with EASY!Lock.	<input type="checkbox"/>
Adapter 3 M22 x 1.5 IG - EASY!Lock 22 AG	9	4.111-031.0							Adaptor for connecting high-pressure guns with M 22×1.5 connection and spray lances or Servo Control controllers with EASY!Lock.	<input type="checkbox"/>
Adapter 4 EASY!Lock 22 IG - AVS	10	4.111-032.0							Adaptor for connecting pressure hoses with AVS swivel connection and EASY!Force high-pressure gun.	<input type="checkbox"/>
Adapter 5 EASY!Lock 22 IG - M22 x 1.5 AG	11	4.111-033.0							Adaptor for connecting EASY!Force high-pressure gun and spray lances with M 22 × 1.5 connection.	<input type="checkbox"/>
Adapter 6 EASY!Lock 22 IG - M22 x 1.5 AG	12	4.111-034.0							Adaptor for connecting pressure hoses with M 22×1.5 connection and EASY!Force high-pressure gun or high-pressure cleaners with EASY!Lock.	<input type="checkbox"/>
Adapter 7 M18 x 1.5 IG - EASY!Lock 20 AG	13	4.111-035.0							Adaptor for connecting spray lances with M 18 × 1.5 connection and nozzles, surface cleaners or wash brushes with EASY!Lock.	<input type="checkbox"/>
Adapter 8 EASY!Lock 20 IG - M18 x 1.5 AG	14	4.111-036.0							Adaptor for connecting nozzles, surface cleaners or wash brushes with M 18 × 1.5 connection and spray lances with EASY!Lock.	<input type="checkbox"/>
Flue pipe										
Flue gas adapter	15	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"/>
	16	4.656-080.0								<input type="checkbox"/>
Cleaning agent injector										
Stainless steel injector kit for HDS 10/20-4M	17	6.645-762.0							Developed for the HD 10/20-4 M High-pressure cleaner, the stainless steel injector ensures optimal cleaning agent dosage. Supplied with suction hose and filter.	<input type="checkbox"/>
Dosing valve for stainless steel injector	18	6.500-000.0							Retrofittable dosing valve for stainless steel injectors. For easy, convenient and precise cleaning agent dosing adjustment via a control knob.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0

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20-21

		Order No.					Price	Description	
Machine-specific nozzle kit with order no. 3.637-170.0									
Nozzle kit 1,000 - 1,200 l/h	19	4.769-048.0						For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union	<input type="checkbox"/>
Nozzle insert with order no. 3.637-001.0									
Nozzle insert up to 1,100 l/h - high pressure	20	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.	<input type="checkbox"/>
Nozzle insert up to 1,100 l/h - low pressure	21	4.769-001.0						For low pressure with machines up to 1.100 l/h	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0

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		Order No.	Max. working pressure	Nozzle size	Diameter	Price	Description	
Barrel and tank cleaning								
Barrel cleaner BC 14/12	1	2.112-020.0					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 4.115-000.0 4.115-006.0.	<input type="checkbox"/>
HKF 50 spray head, brass								
HKF 50 spray head, brass	2	3.631-039.0					Depth of immersion 850 mm. Interior cleaning head for barrels and containers with bungholes of 50 mm and more. Can be directly connected to the high-pressure cleaner. Electric motor drive. Operation is possible both vertically and horizontally	<input type="checkbox"/>
	3	3.631-058.0					Depth of immersion 150 mm. Interior cleaning head for barrels and containers with bungholes of 50 mm and more. Can be directly connected to the high-pressure cleaner. Electric motor drive. Operation is possible both vertically and horizontally	<input type="checkbox"/>
Nozzle kit for spray head HKF 50 (3.631-009.0 / 3.631-039.0)								
Nozzle 030 for 2-nozzle operation HKF 50	4	6.415-444.0		30			Nozzle for dual-nozzle operation	<input type="checkbox"/>
Nozzle 090 for 1-nozzle operation HKF 50	5	6.415-447.0		90			Nozzle for single-nozzle operation	<input type="checkbox"/>
Cone for plugging into bungholes	6	4.132-002.0					Cone for plugging into bungholes	<input type="checkbox"/>
Double grip for precise control of spray head	7	2.863-036.0					Double handle. Precise control of the spray head	<input type="checkbox"/>
Screw plug for using a spray head with one nozzle	8	5.411-061.0					Screw plug for using a spray head with one nozzle	<input type="checkbox"/>
Nozzle 070 for HKF 50	9	6.415-077.0		70			Nozzle for dual-nozzle operation	<input type="checkbox"/>
Pipe cleaning hose, ID 6								
Pipe cleaning hose, ID 6, 10 m, max. 250 bar	10	6.110-046.0	250 bar				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, ID 6, 20 m, max. 250 bar	11	6.110-008.0	250 bar				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"/>
Pipe cleaning hose, ID 6, 30 m, max. 250 bar	12	6.110-047.0	250 bar				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"/>
Pipe cleaning nozzle								
Pipe cleaning dirt blaster D 25 / 060	13	6.415-945.0		60	25 mm		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 dirt blaster D 30 / 060	14	6.415-947.0		60	30 mm			<input type="checkbox"/>
Pipe cleaning dirt blaster D 35 / 060	15	6.415-949.0		60	35 mm			<input type="checkbox"/>
Pipe cleaning nozzle 120	16	5.763-089.0		120	16 mm		Pipe cleaning nozzle with 24 mm diameter. With 8 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
Pipe cleaning nozzle	17	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
	18	5.763-016.0		60	16 mm			<input type="checkbox"/>
	19	5.763-021.0		70	30 mm		30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0



		Order No.	Max. working pressure	Nozzle size	Diameter		Price	Description	
Rotating pipe cleaning nozzle	20	6.415-440.0		65	16 mm			Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0



		Order No.	Max. working pressure	Nozzle size			Price	Description	
Angled vario nozzle 0-90°									
Spezial nozzle 0005	1	4.113-007.0		50				Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	<input type="checkbox"/>
Dirt blaster, large									
Dirt blaster	2	4.114-036.0	300 bar	55				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"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

1.071-912.0

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		Order No.	Nozzle size				Price	Description	
Wet blasting attachment (without nozzle)									
Wet blasting attachment with flow control (without nozzles)	1	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)	2	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.	<input type="checkbox"/>
Nozzle kits for wet jet unit									
Nozzle kit for wet jet unit 055	3	2.637-903.0	55					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 4.762-010/-022.	<input type="checkbox"/>
Boron carbide nozzle									
Boron carbide nozzle, for machines up to 1,000 l/h	4	6.415-084.0	6 mm					In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.	Flow rate				Price	Description	
Cup foam lance									
Cup foam lance Advanced 025	1	2.112-017.0						Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.	<input type="checkbox"/>
1-litre cleaning agent container for foam lance	2	6.414-954.0							<input type="checkbox"/>
Inno Foam Kit									
Inno Foam Set	3	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 pressure cleaners for cleaning or disinfection.	<input type="checkbox"/>
Easy Foam Set									
Easy Foam Set	4	2.112-011.0						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"/>
Nozzle kits for Inno/Easy Foam Set									
Nozzle kit 090 for Inno / Easy Set 700-1,000 l/h	5	2.111-019.0	700-1000 l/h					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"/>
Foam nozzle mounting kit									
Foam nozzle attachment kit	6	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.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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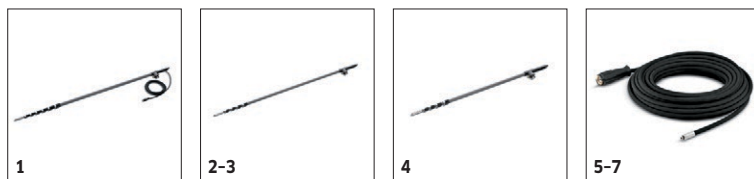
		Order No.	Length					Price	Description	
Automatic, self-winding hose reels										
ABS automatic hose drum HDS M/S	1	2.110-011.0	20 m						Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	<input type="checkbox"/>
ABS holder, automatic hose drum HDS M/S	2	2.643-040.0								<input type="checkbox"/>
Automatic hose reel, powder-coated steel / plastic	3	6.392-074.0	20 m						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 stainless steel / synthetic material hose drum	4	6.392-083.0	20 m						Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	<input type="checkbox"/>
Automatic hose reel, coated	5	6.392-106.0	20 m						Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Add-on kit hose reel lacquered basaltgra	6	6.392-105.0	20 m							<input type="checkbox"/>
Automatic hose reel, stainless steel, includes swivel holder	7	6.392-076.0	20 m						Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
ABS automatic stainless steel hose drum	8	6.392-122.0	20 m						High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrosion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	<input type="checkbox"/>
Powder-coated swivel holder	9	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"/>
Pivoting stainless steel wall bracket attachment kit	10	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"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.	Flow rate	Inlet temperature	Length	Length	Price	Description	
Solar cleaning – telescopic lances									
iSolar TL 14 C (without hose)	1	4.110-002.0		max. 60 °C				Full carbon telescopic rod for maximum rigidity with minimal weight. With 14 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
iSolar TL 10 C (without hose)	2	4.110-007.0		max. 60 °C					<input type="checkbox"/>
iSolar TL 10 H (without hose)	3	4.110-003.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 10 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
iSolar TL 7 H (without hose)	4	4.110-004.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
iSolar HP hose 7	5	6.392-978.0		max. 155 °C				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	6	6.392-977.0		max. 155 °C				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	7	6.392-976.0		max. 155 °C				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"/>

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ACCESSORIES FOR HDS 10/20-4 MX

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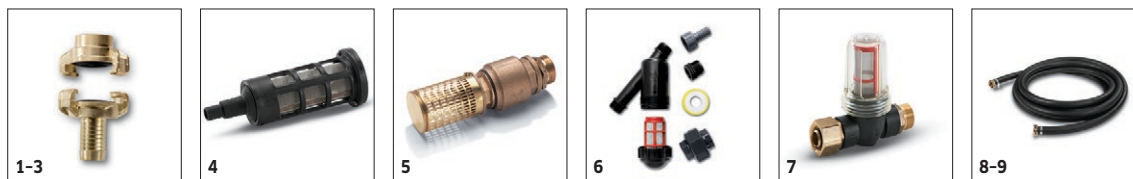
		Order No.	Flow rate				Price	Description	
Push-on washing brush									
Push-on wash brush	1	4.113-001.0						For general-purpose cleaning of all surfaces. Clamps directly onto the spray lance. Connection M 18 x 1.5	<input type="checkbox"/>
Rotating washing brush									
Rotating wash brush for > 800 l/h machines, nylon bristles	2	4.113-002.0	800-1300 l/h					Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 x 1.5 (replaceable brush insert).	<input type="checkbox"/>
Rotating wash brush for > 800 l/h machines, natural bristles	3	4.113-005.0	800-1300 l/h						<input type="checkbox"/>

■ Included in delivery.
 □ Available accessories.
 ▲ Extension hose.

ACCESSORIES FOR HDS 10/20-4 MX

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		Order No.	Length	Diameter		Price	Description	
Geka coupling								
Geka connector with hose barb, R 3/4"	1	6.388-455.0					with hose liner	<input type="checkbox"/>
Geka connector with hose barb, R 1"	2	6.388-465.0						<input type="checkbox"/>
Geka connector with internal thread, R 1"	3	6.388-458.0					with female thread	<input type="checkbox"/>
Suction filter								
Water suction filter	4	6.414-956.0						<input type="checkbox"/>
Suction filter with check valve	5	4.730-012.0					Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	<input type="checkbox"/>
Water fine filter								
Water fine filter, with adapter	6	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".	<input type="checkbox"/>
Water fine filter, 100 µm, R 1"	7	2.638-270.0					Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	<input type="checkbox"/>
Water supply hose								
Water supply hose	8	4.440-207.0	7.5 m				NW 19 R1" / R 3/4", up to 85 °C, for pick-up	<input type="checkbox"/>
	9	4.440-270.0	7.5 m				NW 19 R1" / R1", up to 85 °C	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.