



## HDS 12/18-4 S

The powerful HDS 12/18-4 S hot water high-pressure cleaner offers a high flow rate and optimised burner engineering for economical operation.



### 1 LED display

- Clearly arranged centrally at the control panel (HDS 13/20)
- Filling level indicators for fuel, cleaning agent and system care.

### 2 High 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.

### 3 Reliability

- The Soft Damping System (SDS) compensates for vibration and pressure peaks in the high-pressure system.
- Large, easy-to-reach water fine filter for protecting the pump against dirt particles in the water.

### 4 Maximum efficiency

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



## HDS 12/18-4 S

- Dual spray lance operation possible
- Two detergent tanks
- Economical ecoefficiency mode

### Technical data

<b>Order no.</b>	1.071-620.0	
<b>EAN code</b>	4039784730908	
<b>Current type</b>	<b>Ph / V / Hz</b>	3 / 400 / 50
<b>Flow rate</b>	<b>l/h</b>	600-1200
<b>Pressure</b>	<b>bar / MPa</b>	30-180 / 3-18
<b>Max. temperature</b>	<b>°C</b>	80 / 155
<b>Connection load</b>	<b>kW</b>	8.4
<b>Heating oil or gas consumption, full load</b>	<b>kg/h</b>	7.7
<b>Fuel tank</b>	<b>l</b>	25
<b>Weight</b>	<b>kg</b>	178
<b>Dimensions (L x W x H)</b>	<b>mm</b>	1330 x 750 x 1060

### Equipment

<b>Spray gun</b>	Easy Press trigger gun	<b>Service electronics</b>	■
<b>Spray gun with soft grip</b>	■	<b>Service electronics with LED display</b>	■
<b>High-pressure hose</b>	<b>m</b> 10 / Long-life / DN 8, 400 bar	<b>Two detergent tanks</b>	■
<b>Spray lance</b>	<b>mm</b> 1050	<b>Dry-running protection</b>	■
<b>Power nozzle</b>	■		
<b>Servo Control</b>	■		
<b>ANTI!Twist</b>	-		
<b>Three-piston axial pump</b>	With ceramic pistons		
<b>Pressure cut-off</b>	■		
<b>Pole reverse plug (3-phase)</b>	■		
<b>Soft Damping System (SDS)</b>	■		

■ Included in the scope of supply.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

**KÄRCHER**



		Order no.	ID	Max. working pressure	Length	Price	Description	
<b>Standard with unions on both sides</b>								
High-pressure hose, 10 m, ID 8, 315 bar, extension	1	6.391-342.0	ID 8	315 bar	10 m		To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 x 1.5.	▲
High-pressure hose, 15 m, ID 8, 315 bar, including rotary coupling	2	6.390-010.0	ID 8	315 bar	15 m		With screw connections on both sides, M 22 x 1.5 with bend protection.	▲
High-pressure hose, 20 m, ID 8, 315 bar, extension piece	3	6.390-031.0	ID 8	315 bar	20 m		Screw connections at both ends, M 22 x 1.5, with kink protection.	▲
High-pressure hose, 30 m, ID 8, incl. rotary coupling	4	6.390-293.0	ID 8	315 bar	30 m		To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 x 1.5.	▲
High-pressure hose, 15 m, ID 10, 220 bar, extension piece	5	6.390-023.0	ID 10	220 bar	15 m		Connectors at both ends, M 22 x 1.5, with kink protection.	▲
<b>Longlife 400 with unions on both sides</b>								
High-pressure hose Longlife 400, 10 m, ID 8, including rotary coupling	6	6.388-083.0	ID 8	400 bar	10 m		10 m high-pressure hose Longlife 400 (DN 8) with rotary coupling, two layer high-strength steel wire reinforced. Connectors at both ends. M 22 x 1.5, with kink protection.	▲
High-pressure hose Longlife 400, 10 m, ID 8, extension	7	6.391-354.0	ID 8	400 bar	10 m		To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 x 1.5.	▲
High-pressure hose Longlife 400, 15 m, ID 8, including rotary coupling	8	6.389-709.0	ID 8	400 bar	15 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose Longlife 400, 20 m, ID 8, extension	9	6.390-027.0	ID 8	400 bar	20 m		with rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose Longlife 400, 30 m, ID 8, including rotary coupling	10	6.390-294.0	ID 8	400 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose 1.5 m, ID 8, including connectors	11	6.390-178.0	ID 8	400 bar	1.5 m		1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).	□
<b>Food industry version with unions on both sides</b>								
High-pressure hose, 10 m, DN 8, suitable for the food industry, extension piece	12	6.389-479.0	ID 8	250 bar	10 m		10 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. M 22 x 1.5 with anti-kink sleeve.	▲
High-pressure hose, 20 m, ID 8, suitable for food industry, extension piece	13	6.389-581.0	ID 8	250 bar	20 m		20 m high-pressure hose (DN 8) with swivel coupling. Non-discolouring outer layer for use in the food industry. Connectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.	▲
<b>Longlife food design with screw connections at both ends</b>								
High pressure hose food ID 8, 10 m	14	6.391-864.0	ID 8	400 bar	10 m		Longlife HP hose for use in the food industry. Außendecke animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose food industry 400 bar, 20 m, ID 8, including rotary coupling	15	6.391-887.0	ID 8	400 bar	20 m			▲
<b>Longlife 400</b>								
High-pressure hose Longlife 400, 10 m, ID 8, AVS trigger gun connection	16	6.391-351.0	ID 8	400 bar	10 m		With patented AVS connection in the trigger gun (rotatable) and hand screw connection, M 22 x 1.5 with kink protection. With double steel reinforcement.	■
High-pressure hose Longlife 400, 20 m, DN 8, AVS trigger gun connector	17	6.390-208.0	ID 8	400 bar	20 m		20 m high-pressure hose Longlife 400 (DN 8) with patented (rotating) AVS trigger gun connector and manual coupling. Two layer high-strength steel wire reinforced.	□
<b>Food industry version</b>								
High-pressure hose, 10 m, DN 8, AVS trigger gun connection, food, grey	18	6.390-704.0	ID 8	250 bar	10 m		Food industry version, AVS connection in the trigger gun. grey NW 8/155 °C/250 bar	□

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0



		<b>Order no.</b>	<b>ID</b>	<b>Max. working pressure</b>	<b>Length</b>		<b>Price</b>	<b>Description</b>	
High-pressure hose, 20 m, ID 8, AVS trigger gun connector, suitable for food industry, grey	19	6.390-705.0	ID 8	250 bar	20 m			20 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. NW 8/155°C/250 bar.	<input type="checkbox"/>
<b>Longlife food design</b>									
High-pressure hose Longlife 400, 10 m, ID 8, AVS trigger gun connection	20	6.391-885.0	ID 8	400 bar	10 m			Longlife HP hose for use in the food industry. Außendecke animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)	<input type="checkbox"/>
High-pressure hose Longlife 400, 20 m, ID 8, AVS trigger gun connection	21	6.391-886.0	ID 8	400 bar	20 m				<input type="checkbox"/>
<b>Special hoses</b>									
High-pressure hose, 1.5 m, ID 8, incl. connection parts, curved outflow	22	6.388-886.0	ID 8	400 bar	1.5 m			Connection hose in longlife quality with 2x M22 x 1.5, with angled connection on one side.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

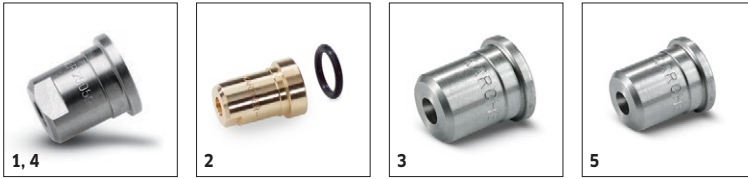


		Order no.	Flow rate				Price	Description	
<b>Easy Press high-pressure trigger gun with holding force reduction (Kärcher patent)</b>									
Easy Press HP trigger gun with soft grip	1	4.775-463.0						Easy press high-pressure trigger gun with softgrip. For high-pressure hoses DN 6 and DN 8 with 11 mm swivel diameter.	■
<b>Servo control</b>									
Servo control	2	4.775-471.0	1100 l/h					Water quantity and pressure regulated directly from the hand spray gun.	■
<b>Trigger guns</b>									
High-end HP trigger gun	3	4.775-823.0						High-end spray guns with optimised flow. Small pressure losses also with water volumes up to 2500 l/h. Robustness and durability for professional use. Food-safe and saltwater-resistant materials offer the best conditions for use in the food sector and in industry. Connector for HP hoses M 22 x 1.5.	□
<b>Quick connect</b>									
Quick coupling	4	6.401-458.0						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	5	6.401-459.0						Hardened stainless steel male coupling for quick coupling 6.401-458. With M 22 x 1.5 external thread.	□

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0



		Order no.	Nozzle size					Price	Description	
<b>Power nozzle spray angle 25°</b>										
Power nozzle spray angle 25°	1	2.885-133.0	68						Fan jet nozzle for large-area coverage and stubborn dirt and stains.	■
25° power nozzle for cleaning agent suction	2	2.884-521.0	250						Brass power nozzle for low pressure operation and cleaning agent suction.	□
<b>HP nozzle spray angle 0°</b>										
High-pressure nozzle with 0° spray angle	3	2.884-540.0	75						High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
<b>Power nozzle spray angle 15°</b>										
Power nozzle 15° - 070	4	2.883-392.0	70						Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
<b>Power nozzle spray angle 40°</b>										
Power nozzle 40° - 075	5	2.884-526.0	75						Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.



# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

**KÄRCHER**



		Order no.	Max. working pressure	Length		Price	Description	
<b>Rotating spray lances</b>								
1050 mm spray pipe, rotatable	1	4.760-660.0	300 bar	1050 mm			1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
600 mm spray pipe, rotatable	2	4.760-664.0	300 bar	600 mm			600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 840 mm, rotatable	3	4.760-663.0	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	4	4.760-661.0	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	5	4.760-662.0	300 bar	2050 mm			2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
<b>Spray lance</b>								
250 mm lance, non-rotatable	6	4.760-667.0		250 mm			250 mm stainless steel lance. With manual coupling. Non-rotatable.	□
Vibrasoft lance	7	6.415-951.0	250 bar	950 mm			The spring-loaded 360° loop handle significantly reduces the vibrations on the spray lance, reducing the physical burden on the user, e.g. when working with the dirt blaster.	□
<b>Adapter for variable pressure spray lance</b>								
Adapter for variable pressure lance	8	4.762-075.0					For items 4.760-230 and 4.760-362 for mounting accessories to lance, M 24/18 x 1.5	□
<b>Angular spray lance</b>								
Spray lance for toilets and rain gutters	9	4.760-073.0					Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	□
<b>Flexible spray lance</b>								
Flexible lance 1050 mm	10	6.394-654.0	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.	□
High-pressure M18x1.5 articulated joint	11	4.481-039.0	300 bar				High-pressure articulated joint: Thanks to infinite angle adjustment up to 120°, this tool is ideal to effortlessly clean hard-to-reach areas. Simply attach to the spray lance of the pressure washer.	□
<b>Telescopic spray lance</b>								
Telescopic spray lance	12	6.394-690.0	225 bar				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	13	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.	□
<b>Gutter cleaner</b>								
Gutter cleaning lance	14	2.642-305.0					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.	□
<b>Undercarriage spray lance</b>								
Underbody lance	15	4.760-245.0		700 mm			Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	□

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0



		Order no.	Max. working pressure	Length		Price	Description	
<b>Weed control</b>								
WR 50	16	2.643-758.0					In combination with a hot water high-pressure cleaner from Kärcher, the 50 cm wide weed remover WR 50 is ideal for removing weeds. It comes with an adaptive chassis and nozzle adapter.	<input type="checkbox"/>
WR 20	17	2.643-760.0					For thorough weed removal: The WR 20 weed remover for use with a hot water high-pressure cleaner from Kärcher. Equipped with a 20 cm wide nozzle bar and nozzle adapter.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.



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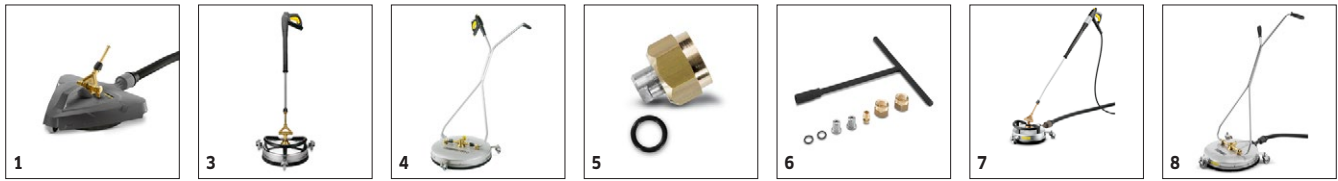


		Order no.					Price	Description	
<b>Attachment kit for transport</b>									
Crane loading attachment kit for HDS Middle and Super Class	1	2.642-424.0						Effortless loading by crane.	<input type="checkbox"/>
<b>Grey wheel kit</b>									
Grey wheels attachment kit for HDS Middle and Super Class	2	2.641-975.0						Non-marking grey wheels suitable for use in sanitary areas, food industry or swimming pools.	<input type="checkbox"/>
<b>Flame monitoring attachment kit</b>									
Flame monitoring attachment kit for HDS Middle and Super Class	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"/>
<b>Attachment kit for 2-spray lance operation</b>									
Attachment kit, two-spray lance operation	4	2.641-805.0						For users who want to use two spray systems with one machine. The kit contains a Y distributor, a spray system consisting of a HP hose, spray lance, and trigger gun as well as two aligned power nozzles.	<input type="checkbox"/>
<b>Y distributor</b>									
Y distributor	5	4.405-048.0						Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	<input type="checkbox"/>
<b>Accumulator kits</b>									
Pressure tank attachment kit for HDS Middle and Super Class	6	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"/>
<b>Remote control set</b>									
Remote control attachment kit for HDS Middle and Super Class	7	2.642-157.0						Remote control for the machines of the HDS Middle and Super class with the functions on/off, hot/cold water and cleaning agent on/off. For mounting to a wall.	<input type="checkbox"/>
<b>Coin-op remote control</b>									
Coin remote control attachment kit for HDS Middle and Super Class	8	2.642-158.0						Retrofittable coin acceptor for machines in the HDS Middle and Super class for self-service operation. For installation on the machine.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0



		Order no.	Flow rate	Nozzle size	Diame- ter	Price	Description	
<b>Hard Surface Cleaner FRV 30</b>								
FRV 30 surface cleaner	1	2.642-999.0					With the integrated and automatic suction of the dirty water, the FRV 30 makes surface cleaning even more efficient. There is no longer a need to rinse the surface after cleaning, as the dirty water can be removed through the 5m suction hose, which is supplied. Additional features include the non-marking steering rollers and double ceramic bearings. Machine specific nozzle kit must be ordered separately.	<input type="checkbox"/>
Rubber lip for FRV 30	2	2.642-910.0					For smooth floors indoors. The squeegee increases the suction performance of the FRV 30 and minimises the amount of water remaining. This means the floor is dry in just a few minutes.	<input type="checkbox"/>
<b>FR 30 Me surface cleaner</b>								
Hard surface cleaner FR 30 Me	3	2.640-355.0			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"/>
<b>Hard Surface Cleaner FR 50</b>								
Hard surface cleaner FR 50	4	2.640-679.0			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"/>
<b>Machine-specific nozzle kits for FR</b>								
Nozzle kit for surface cleaners	5	2.639-188.0	1100-1300 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	<input type="checkbox"/>
<b>Machine-specific nozzle kits for FRV</b>								
Nozzle kit 080 - for FRV	6	2.642-982.0		80			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	7	2.642-911.0					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"/>
<b>Surface Cleaner FR 50 Me</b>								
FRV 50 ME	8	2.643-598.0					Thanks to automatic suction of the waste water, the stainless steel FRV 50 Me surface cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85 °C. The FRV 50 Me features a temperature-resistant 7.5 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 / 1,300 l/h / 85 °C.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

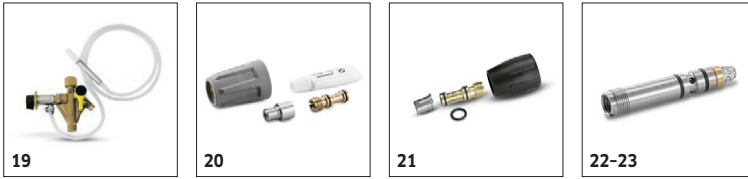
**KÄRCHER**



		Order no.					Price	Description	
<b>Nozzle union</b>									
Nozzle connector	1	5.401-210.0						For protecting and connecting Kärcher power nozzles to spray lances (M 18 x 1.5 IG).	<input type="checkbox"/>
<b>Spacer (including nozzle union)</b>									
Spacer (includes nozzle screws)	2	5.394-294.0						Guarantees constant safety clearance, e.g. for tyres and bodywork. Helps prevent damage to sensitive surfaces. Mounts directly to lance.	<input type="checkbox"/>
<b>Rotary coupling</b>									
Rotary coupling	3	4.401-091.0						Reliably prevents twisting of HP hoses. Connection M 22 x 1.5 m. Handle protection	<input type="checkbox"/>
<b>Coupling</b>									
Coupler -2xM22x1,5	4	4.403-002.0						For overriding the dismantled heating coil for cleaning alternative:4.111-029.0 adapter 1 - hose old / hose new	<input type="checkbox"/>
<b>Connector</b>									
Nozzle screws / screw socket	5	4.402-022.0						Nozzle connector/screw connector for connecting high-pressure nozzles and accessories to the high-pressure trigger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.	<input type="checkbox"/>
<b>Adapters</b>									
Sealing cone complete	6	4.424-004.0						In order to install high-pressure hose with male coupling on thread with M22 x 1.5 Alternative:4.111-032.0 Adapter 4 - Device new / Hose old Swivel	<input type="checkbox"/>
<b>EASY!Lock adapter</b>									
Adapter 1 M22AG-TR22AG	7	4.111-029.0						Adapter 1 to connect the old hose with the new hose	<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	8	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	9	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	10	4.111-032.0						Adapter 4 to connect the new gun with the old swivel hose	<input type="checkbox"/>
Adapter 5 TR22IG-M22AG	11	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	12	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	13	4.111-035.0						Adapter 7 to connect the old spray lance with the new nozzle	<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	14	4.111-036.0						Adapter 8 to connect the new spray lance with the old nozzle	<input type="checkbox"/>
<b>Flue pipe</b>									
Exhaust gas nozzle	15	4.656-079.0						Exhaust gas nozzle (oval connection, diameter 157 mm) for connection to the hot water high-pressure cleaner. With draught diverter for flue tube connection. For flue tube diameter up to 200 mm.	<input type="checkbox"/>
<b>Cleaning agent injector</b>									
Stainless steel injector kit for HDS 12/18-4S	16	6.645-763.0						The stainless steel injector is supplied as a kit with a suction hose and vacuum filter for the HDS 12/18-4 S High-pressure cleaner - fits on the high-pressure outlet of the machine.	<input type="checkbox"/>
Dosing valve for stainless steel injector	17	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"/>
Cleaning agent injector for high pressure (without nozzle)	18	3.637-170.0						Cleaning agent dosage at high pressure 3 - 5 %	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

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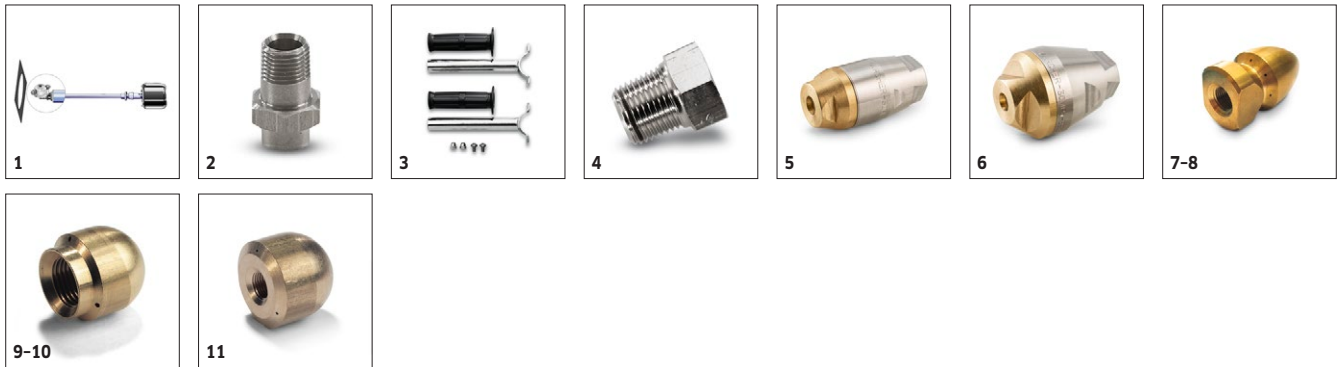


		Order no.					Price	Description	
Cleaning agent injector for high and low pressure (without nozzles)	19	3.637-001.0						Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>
<b>Machine-specific nozzle kit with order no. 4.637-033.0</b>									
Nozzle kit 1000-1200 l/h	20	4.769-013.0						For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP	<input type="checkbox"/>
Nozzle kit 1,000 - 1,200 l/h	21	4.769-048.0						power nozzle + union	<input type="checkbox"/>
<b>Nozzle insert with order no. 4.637-032.0</b>									
Nozzle insert from 1,100 l/h - HD	22	4.769-002.0						For high pressure with machines above 1.100 l/h	<input type="checkbox"/>
Nozzle insert from 1,100 l/h - ND	23	4.769-006.0						For low pressure with machines above 1.100 l/h	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0



		Order no.	Max. working pressure	Nozzle size	Diameter	Price	Description	
<b>HKF 50 spray head, brass</b>								
HKF 50 spray head, brass	1	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"/>
<b>Nozzle kit for spray head HKF 50 (3.631-009.0 / 3.631-039.0)</b>								
Nozzle 090 for 1-nozzle operation HKF 50	2	6.415-447.0		90			Nozzle for single-nozzle operation	<input type="checkbox"/>
Double grip for precise control of spray head	3	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	4	5.411-061.0					Screw plug for using a spray head with one nozzle	<input type="checkbox"/>
<b>Pipe cleaning nozzle</b>								
Pipe cleaning dirt blaster D21/090	5	4.765-003.0		90	21 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 D30/090	6	4.765-010.0		90	30 mm			<input type="checkbox"/>
Pipe cleaning nozzle 100	7	5.763-088.0		100	24 mm		Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
Pipe cleaning nozzle 120	8	5.763-089.0		120	24 mm		Pipe cleaning nozzle with 24 mm diameter. With 8 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
Pipe cleaning nozzle	9	5.763-019.0		65	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"/>
	10	5.763-020.0		65	16 mm			<input type="checkbox"/>
	11	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 the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0



		Order no.	Max. working pressure	Nozzle size		Price	Description	
<b>Angled vario nozzle 0-90°</b>								
Variable angle nozzle 0-90°	1	4.763-036.0		80			Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	<input type="checkbox"/>
<b>Dirt blaster, large</b>								
Dirt blaster	2	4.763-254.0	300 bar	70			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 the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

**KÄRCHER**



		Order no.	Nozzle size				Price	Description	
<b>Wet blasting attachment (without nozzle)</b>									
Wet blasting attachment with flow control (without nozzles)	1	4.762-010.0						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	4.762-022.0						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"/>
<b>Nozzle kits for wet jet unit</b>									
Nozzle kits for wet jet unit 070	3	2.637-906.0	70					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"/>
<b>Boron carbide nozzle</b>									
Boron carbide, for machines from 1,000 l/h	4	6.415-083.0	8 mm					In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.



# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

**KÄRCHER**

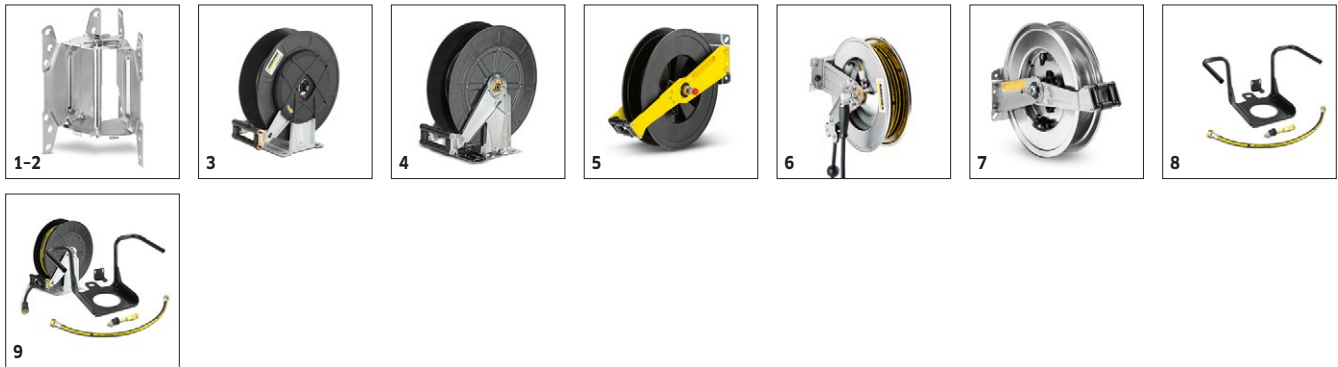


		Order no.	Flow rate				Price	Description	
<b>Cup foam lance</b>									
Cup foam lance	1	6.394-668.0	1200 l/h					Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.	<input type="checkbox"/>
1-litre cleaning agent container for foam lance	2	6.414-954.0						Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 6.394-668)	<input type="checkbox"/>
<b>Inno Foam Kit</b>									
Inno Foam Set	3	2.640-692.0						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"/>
<b>Easy Foam Set</b>									
Easy Foam Set	4	2.640-693.0						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"/>
<b>Nozzle kits for Inno/Easy Foam Set</b>									
Nozzle kit 110 for Inno / Easy Set 1,000-1,300 l/h	5	2.640-689.0	1000-1300 l/h					Nozzle kit 110 contains Kärcher power nozzles and nozzle inserts. For Inn/Easy-Foam set 1000-1300 l/h. For optimal foam system performance.	<input type="checkbox"/>
<b>Foam nozzle mounting kit</b>									
Foam nozzle attachment kit	6	2.637-926.0						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 the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

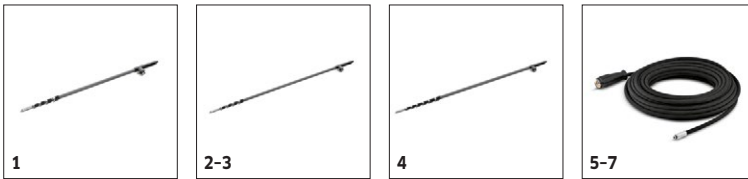


		Order no.	Length				Price	Description	
<b>Automatic, self-winding hose reels for wall mounting</b>									
Powder-coated swivel holder	1	2.639-931.0						Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	<input type="checkbox"/>
Stainless steel swivel holder	2	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"/>
Automatic hose reel, powder-coated steel / plastic	3	6.392-975.0	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	6.392-965.0	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	2.639-919.0	20 m					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	6	6.391-421.0	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	7	2.641-866.0	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"/>
<b>Automatic, self-winding hose reel attachment kit</b>									
ABS holder, automatic hose drum HDS M/S	8	2.643-040.0						Holder includes connection material for installing an automatic hose reel to machines in the HDS medium and super classes.	<input type="checkbox"/>
ABS automatic hose drum HDS M/S	9	2.642-957.0						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"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0



		Order no.	Flow rate	Inlet temperature	Length	Length	Price	Description	
<b>Solar cleaning - telescopic lances</b>									
iSolar TL 7 H (without hose)	1	4.107-054.0		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 TL 10 H (without hose)	2	4.107-053.0		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 10 C (without hose)	3	4.107-055.0		max. 60 °C				The full carbon telescopic lance offers maximum rigidity with minimal weight. It has a reach of up to 10 m and is fitted with practical quick-release couplings - for convenient extension and retraction. The speed is regulated via ball tap, guaranteeing easy handling. For occupational safety reasons, the lowest lance element is made from a carbon-fibreglass mixture for electrical insulation.	<input type="checkbox"/>
iSolar TL 14 C (without hose)	4	4.107-052.0		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 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"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S

## 1.071-620.0

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		Order no.	Length	Diameter		Price	Description	
<b>Other HP Accessories</b>								
Coin remote control	1	2.644-029.0					Coin remote control with electronic coin acceptor for connecting a high-pressure cleaner as a pre-wash device. Please have the power outlet and cable provided on site.	<input type="checkbox"/>
<b>Geka coupling</b>								
Geka connector with hose barb, R 3/4"	2	6.388-455.0					with hose liner	<input type="checkbox"/>
Geka connector with hose barb, R 1"	3	6.388-465.0					with hose barb	<input type="checkbox"/>
Geka connector with internal thread, R 1"	4	6.388-458.0					with female thread	<input type="checkbox"/>
<b>Suction filter</b>								
Water suction filter	5	6.414-956.0					Suitable for ponds, storage tanks or similar, polyamide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve	<input type="checkbox"/>
Suction filter with check valve	6	4.730-012.0					Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	<input type="checkbox"/>
<b>Water fine filter</b>								
Water fine filter, with adapter	7	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"	8	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"/>
<b>Water supply hose</b>								
Water supply hose	9	4.440-207.0	7.5 m				NW 19 R1" / R 3/4", up to 85 °C, for pick-up	<input type="checkbox"/>
	10	4.440-270.0	7.5 m				NW 19 R1" / R1", up to 85 °C	<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.

# ACCESSORIES FOR HDS 12/18-4 S 1.071-620.0



		Order no.	Flow rate				Price	Description	
<b>Push-on washing brush</b>									
Push-on wash brush	1	4.762-016.0						For general-purpose cleaning of all surfaces. Clamps directly onto the spray lance. Connection M 18 x 1.5	<input type="checkbox"/>
<b>Rotating washing brush</b>									
Rotating wash brush for > 800 l/h machines	2	4.762-559.0	900-1300 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"/>
	3	4.762-562.0	900-1300 l/h						<input type="checkbox"/>

■ Included in the scope of supply. □ Available accessories. ▲ Extension hose.