



Our new medium and super class hot water high-pressure cleaners not only do a first-class job of cleaning, they are also extremely rugged and simple to operate. The new ECO mode, unique to KÄRCHER, makes them truly unbeatable. When the machine is set to this mode it operates automatically in the most economical temperature range. This not only saves running costs, it is also good for the environment.



### 1 ecoefficiency mode

- In the ecoefficiency mode, the unit 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 Operational reliability

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

### 3 Mobility concept

- "Jogger" design with large rubber tyre wheels and front castor.
- Sturdy tie-down points for safe transit.



## HDS 7/12-4 M

- Axial flow pump with turbo blower
- Economical eco/efficiency mode
- Soft Damping System (SDS)

### Technical data

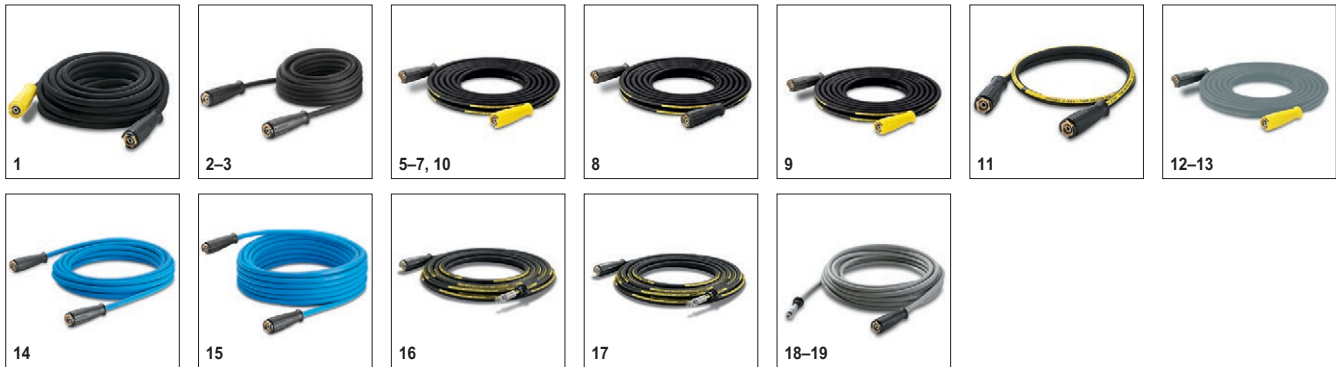
<b>Order no.</b>	1.077-410.0	
<b>EAN</b>	4039784732032	
<b>Type of current</b>	<b>Ph / V / Hz</b>	1 / 230 / 50
<b>Flow rate</b>	<b>l/h</b>	350–700
<b>Pressure</b>	<b>bar / MPa</b>	30–120 / 3–12
<b>Max. temperature</b>	<b>°C</b>	80 / 155
<b>Power rating</b>	<b>kW</b>	3.4
<b>Fuel oil consumption, full load</b>	<b>kg/h</b>	4.6
<b>Fuel tank</b>	<b>l</b>	25
<b>Weight</b>	<b>kg</b>	146
<b>Dimensions (L x W x H)</b>	<b>mm</b>	1330 x 750 x 1060
<b>Cleaning agent tank</b>	<b>l</b>	20

### Equipment

<b>Trigger gun</b>	Easy Press	
<b>Trigger gun with Softgrip insert</b>	■	
<b>High-pressure hose</b>	<b>m</b>	10 / Longlife
<b>Spray lance</b>	<b>mm</b>	1050
<b>Power nozzle</b>	■	
<b>Anti-twist system</b>	■	
<b>Cleaning agent, scale inhibitor and fuel tanks can be filled from outside</b>	■	
<b>Control panel with LED display</b>	■	
<b>Three-piston axial pump</b>	with ceramic piston	
<b>Pressure cut-off</b>	■	
<b>Electronic service control</b>	■	
<b>Electronic service control with LED display</b>	■	

■ Included in delivery.

# Accessories for HDS 7/12-4 M 1.077-410.0



	Order no.	ID	Max. working pressure	Length	Price	Description	
<b>Standard with unions on both sides</b>							
High-pressure hose, 15 m DN 8, 315 bar, including rotary coupling	1	6.390-010.0	ID 8	315 bar	15 m		▲
High-pressure hose, 20 m DN 8, 315 bar, extension	2	6.390-031.0	ID 8	315 bar	20 m		▲
High-pressure hose, 15 m DN 10, 220 bar, extension	3	6.390-023.0	ID 10	220 bar	15 m		▲
High-pressure hose packaged	4	6.391-342.0		315 bar	10 m		▲
High-pressure hose, 30 m DN 8, including rotary coupling	5	6.390-293.0	ID 8	315 bar	30 m		▲
<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, 20 m, ID 8, extension	7	6.390-027.0	ID 8	400 bar	20 m	with rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose packaged	8	6.391-354.0	ID 8	400 bar	10 m		▲
High-pressure hose Longlife 400, 15 m, ID 8, including rotary coupling	9	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, 30 m ID 8, including rotary coupling	10	6.390-294.0	ID 8	400 bar	30 m		▲
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 ID 8, suitable for 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 industry version with unions on both sides</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 packaged	16	6.391-351.0		400 bar	10 m		■
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, ID 8, AVS trigger gun connection, food industry, 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	□
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.	□

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

# Accessories for HDS 7/12-4 M 1.077-410.0



		Order no.	ID	Max. working pressure	Length	Price	Description	
<b>Longlife food industry version</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, including connectors, outlet bend	22	6.388-886.0	ID 8	400 bar	1.5 m			<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M 1.077-410.0



		Order no.	Flow rate				Price	Description	
<b>Easy Press high-pressure gun with holding power reduction (Kärcher patent)</b>									
Easy press high-pressure trigger gun with softgrip	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>Trigger guns</b>									
High end high-pressure trigger gun	2	4.775-823.0							□
<b>Quick connect</b>									
Quick coupling	3	6.401-458.0						For quick change of different spray lances and accessories. Optimum adaption to Kärcher accessories, especially for connection between trigger gun and spray lance. With M22 x 1,5 female.	□
Plug nipple	4	6.401-459.0						Hardened stainless steel nipple for quick coupling 6.401-458. With M22 x 1,5 male.	□

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

# Accessories for HDS 7/12-4 M 1.077-410.0



1-2, 4-5



3

		Order no.	Nozzle size				Price	Description	
<b>Power nozzle spray angle 25°</b>									
Power nozzle spray angle 25°	1	2.883-894.0	47					Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
	2	2.884-521.0	250						□
<b>HP nozzle spray angle 0°</b>									
High-pressure nozzle spray angle 0°	3	2.884-535.0	50					High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
<b>Power nozzle spray angle 15°</b>									
Power nozzle spray angle 15°	4	2.883-390.0	55					Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
<b>Power nozzle spray angle 40°</b>									
Power nozzle spray angle 40°	5	2.884-524.0	50					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 7/12-4 M 1.077-410.0



		Order no.	Max. working pressure	Length		Price	Description	
<b>Rotating spray lances</b>								
1050 mm lance, rotatable, ergonomic	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.	■
Rotatable lance, 600 mm, ergonomic	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.	□
Lance 850 mm, rotatable, ergonomic	3	4.760-663.0	300 bar	850 mm			850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Lance 1550 mm, rotatable, ergonomic	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.	□
Lance 2050 mm, rotatable, ergonomic	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>Variable pressure spray lance</b>								
Variable pressure spray lance	6	4.760-362.0		670 mm			670 mm variable pressure lance with integrated pressure gauge. Variable pressure adjustment on the handle. Nozzle connector: M 24 x 1.5. Low pressure detergent application.	□
Variable pressure lance	7	4.760-230.0		1040 mm			1040 mm pressure adjustable lance with integrated pressure gauge. Variable pressure adjustment on the handle. Nozzle connector: M 24 x 1.5. Low pressure detergent application.	□
<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>								
WC and gutter lance	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>Undercarriage spray lance</b>								
Underbody lance	10	4.760-245.0		700 mm			Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	□
<b>Spray lances</b>								
Anti-vibration lance	11	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>Spray lance</b>								
Lance 250 mm, non-rotatable	12	4.760-667.0		250 mm			250 mm stainless steel lance. With manual coupling. Non-rotatable.	□
<b>Double lance</b>								
Double lance 960 mm	13	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).	□
<b>Flexible spray lance</b>								
Flexible lance 1050 mm	14	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.	□
<b>Telescopic spray lance</b>								
Telescopic jet pipe	15	6.394-690.0	225 bar					□
Restraint belt for telescopic jet pipe	16	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.	□

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

# Accessories for HDS 7/12-4 M

## 1.077-410.0



17

		Order no.	Max. working pressure	Length		Price	Description	
<b>Gutter cleaner</b>								
Gutter cleaning lance	17	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.	<input type="checkbox"/>

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



# Accessories for HDS 7/12-4 M 1.077-410.0



		Order no.					Price	Description	
<b>Grey wheel kit</b>									
Grey wheel kit HDS M/S	1	2.641-975.0							<input type="checkbox"/>
<b>Flame monitoring attachment kit</b>									
ABS flame monitor for HDS M/S	2	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>Crane lifting kit</b>									
Crane loading kit for HDS middle and super class	3	2.642-424.0						Effortless loading by crane.	<input type="checkbox"/>
<b>Accumulator kits</b>									
Add-on accumulator for HDS M/S	4	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"/>

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

# Accessories for HDS 7/12-4 M 1.077-410.0



		Order no.	Flow rate	Nozzle size	Diame-ter	Price	Description	
<b>Hard surface cleaner FR 30 ME</b>								
FR 30 ME surface cleaner	1	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>								
FR 50 surface cleaner	2	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 kit for FR</b>								
Nozzle kit for surface cleaners (type-specific) 650 - 850 l/h	3	2.639-187.0	650-850 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (650 to 850 l/h).	<input type="checkbox"/>
<b>Hard surface cleaner FRV 30</b>								
FRV 30	4	2.642-999.0						<input type="checkbox"/>
Add-on kit rubber lip	5	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"/>
Extension hose 5 m	6	4.440-939.0					5m extension hose for FRV 30. Connection sleeve included.	<input type="checkbox"/>
<b>Gerätespezifische Düsenkits für FRV</b>								
Nozzle kit 050 for FRV 30	7	2.642-433.0		50				<input type="checkbox"/>
<b>Flächenreiniger FRV 30 ME</b>								
FRV 30 ME	8	2.642-911.0						<input type="checkbox"/>
Suction hose FRV 30 me	9	4.441-040.0						<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M 1.077-410.0



		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 (incl. nozzle union)	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>Coupling</b>								
Hose connector	3	4.403-002.0					Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.	<input type="checkbox"/>
<b>Connector</b>								
Nozzle connector/screw connector	4	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>Adapter</b>								
Adapter M22 - Swivel	5	4.424-004.0					M22 x 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"/>
<b>HP detergent injector</b>								
Detergent injector for high pressure	6	3.637-170.0					Cleaning agent dosage at high pressure 3 - 5 %	<input type="checkbox"/>
Detergent injector for high and low pressure (without nozzles)	7	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. 3.637-170</b>								
Machine-specific nozzle kit with order no. 3.637-170.0 HD 500-700 l/h	8	4.769-046.0					For HDS 500 - 700 l/h. Consists of nozzle insert + HP power nozzle + union	<input type="checkbox"/>
<b>Nozzle insert with order no. 3.637-001</b>								
High pressure for units rated 1100 l/h or more	9	4.769-002.0					For high pressure with machines above 1.100 l/h	<input type="checkbox"/>
Low pressure for units rated 1100 l/h or more	10	4.769-006.0					For low pressure with machines above 1.100 l/h	<input type="checkbox"/>
<b>Rotary coupling</b>								
Rotary coupling	11	4.401-091.0					Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector M 22 x 1.5 m. With grip protection.	<input type="checkbox"/>
<b>Flue pipe</b>								
Flue gas adapter	12	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"/>
	13	4.656-080.0						<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M

## 1.077-410.0



		Order no.	Max. working pressure	Nozzle size	Diame-ter	Price	Description	
<b>HKF 50 spray head, brass</b>								
HKF 50 spray head , brass	1	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"/>
<b>Nozzle kit for HKF 50 spray head (3.631-009.0 / 3.631-039.0)</b>								
Nozzle 030 for dual nozzle operation HKF 50	2	6.415-444.0		30			Nozzle for dual-nozzle operation	<input type="checkbox"/>
Cone for plugging into bungholes	3	4.132-002.0					Cone for plugging into bungholes	<input type="checkbox"/>
Double handle for exact control of the spray head	4	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	5	5.411-061.0					Screw plug for using a spray head with one nozzle	<input type="checkbox"/>
<b>Pipe cleaning hose, ID 6</b>								
Pipe cleaning hose	6	6.390-028.0	120 bar				20 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Pipe cleaning hose, DN 6, 30 m	7	6.390-029.0	120 bar				30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Pipe cleaning hose, DN 6, 20 m, 220 bar	8	6.390-030.0	250 bar				20 m flexible high-pressure hose (DN 6) for cleaning pipes up to 220 bar (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
<b>Pipe cleaning nozzle</b>								
Rotating pipe cleaning nozzle	9	6.415-428.0		50	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"/>
Drain cleaning dirt blaster D 25/060	10	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"/>
Drain cleaning dirt blaster D 30/060	11	6.415-947.0		60	30 mm			<input type="checkbox"/>
Drain cleaning dirt blaster D 35/060	12	6.415-949.0		60	35 mm			<input type="checkbox"/>
<b>Barrel and tank cleaning</b>								
Barrel cleaner	13	2.641-740.0	120 bar				The BC 14/12 is a spray system for the efficient interior cleaning of containers and barrels, specially oak barrels with a volume of between 225 and 600 litres. One cleaning cycle is completed within 36 seconds and every spot in the container is covered by a water jet. After cleaning is finished the BC 14/12 can easily and conveniently take up the dirty water. The transformer included with the BC 14/12 makes it possible to use it worldwide (110 - 240 V, 50 - 60 Hz). The nozzle kits included make possible use with high-pressure cleaners with a water volume of 600 to 1400 l / h. Electrical components are protected in accordance with IP 55.	<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M 1.077-410.0



		Order no.	Max. working pressure	Nozzle size		Price	Description	
<b>Angle vario nozzle 0°-90°</b>								
Variable angle nozzle 0-90°	1	4.763-039.0		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"/>
<b>Dirt blaster, large</b>								
Dirt blaster - without changeover function	2	4.763-253.0	300 bar	50			The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.	<input type="checkbox"/>
<b>Dirt blaster – with changeover to low pressure cleaning agent intake</b>								
Dirt blaster - with changeover to low pressure cleaning agent intake	3	4.763-951.0	300 bar	50			Dirt blaster with rotating pencil jet offers 10 times better cleaning performance. With changeover to detergent injection. Further data: Max. 300 bar, 30 MPa, 85°C.	<input type="checkbox"/>
<b>Dirt blaster with changeover to fan jet</b>								
Dirt blaster with changeover to fan jet	4	4.763-957.0	300 bar	50			Dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Changeover to high-pressure fan jet. Further data: Max. 300 bar, 30 MPa, 85°C.	<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M 1.077-410.0



		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 pack for wet blasting attachment</b>									
Nozzle kit for wet blasting attachment 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"/>
<b>Boron carbide nozzle</b>									
Boron carbide nozzle, for machines as of 1000 l/h	4	6.415-084.0	6					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 7/12-4 M 1.077-410.0



		Order no.	Flow rate				Price	Description	
<b>Inno Foam Kit</b>									
Inno foam kit	1	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	2	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 060 for Inno/Easy Set 600 - 700 l/h	3	2.640-687.0	600-700 l/h					Optimal adaptation to different machine outputs for economic use.	<input type="checkbox"/>
<b>Foam nozzle mounting kit</b>									
Foam nozzle kit	4	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"/>
<b>Cup foam lance</b>									
Cup foam lance	5	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"/>
Tank 1L	6	6.414-954.0							<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M 1.077-410.0



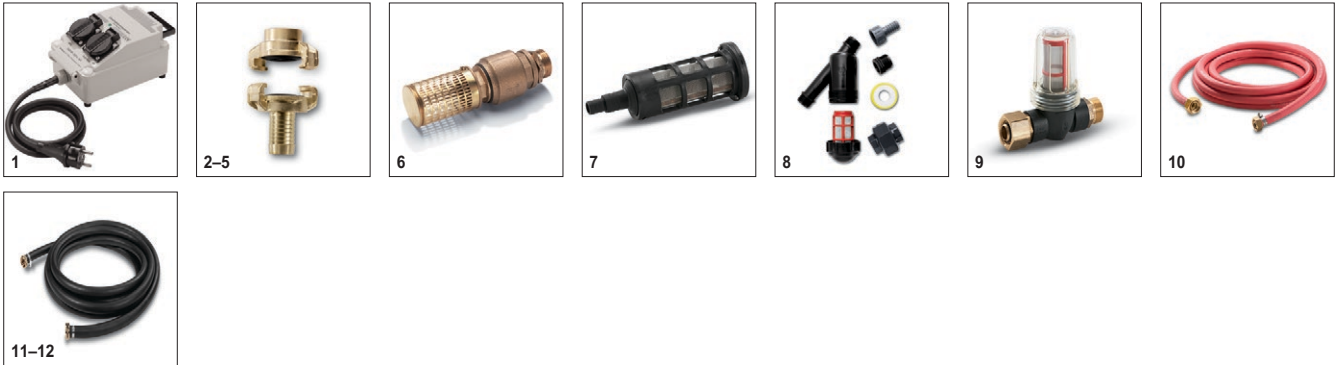
		Order no.	Length				Price	Description	
<b>Automatic, self-winding hose reels</b>									
Hose reel, automatic, 20 m, painted	1	2.639-919.0	20 m					Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Swivel holder	2	2.639-931.0						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"/>
Hose reel, automatic, 20 m, stainless steel	3	6.391-421.0	20 m					Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Add-on kit hose reel HDS M/S	4	2.642-957.0	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"/>
Add-on kit holder for automatic hose reel HDS-M	5	2.643-040.0							<input type="checkbox"/>
Add-on kit hose reel plastics	6	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"/>
Add-on kit hose reel	7	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"/>
ABS hose reel stainless steel	8	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"/>
ABS wall fastening stainless steel	9	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 7/12-4 M

## 1.077-410.0



		Order no.	Length	Diameter	Price	Description	
<b>Starting current limiter</b>							
Starting current limiter	1	2.637-495.0				Reduces starting current in single-phase supply and protects line fuse.	<input type="checkbox"/>
<b>Geka coupling</b>							
With hose nozzle, R 1/2"	2	6.388-461.0				with hose liner	<input type="checkbox"/>
With hose nozzle, R 3/4"	3	6.388-455.0					<input type="checkbox"/>
With female thread, R 1"	4	6.388-458.0				with female thread	<input type="checkbox"/>
With hose nozzle, R 1"	5	6.388-465.0					<input type="checkbox"/>
<b>Suction filter</b>							
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"/>
Water filter	7	6.414-956.0					<input type="checkbox"/>
<b>Fine-mesh water filter</b>							
Fine-mesh water filter with adapter	8	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"/>
Fine-mesh water filter, 100 µm, R 1"	9	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	10	4.440-038.0	7.5 m			NW 13 R1" / R 3/4", up to 30 °C	<input type="checkbox"/>
	11	4.440-207.0	7.5 m			NW 19 R1" / R 3/4", up to 85 °C, for pick-up	<input type="checkbox"/>
	12	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.

# Accessories for HDS 7/12-4 M 1.077-410.0



		Order no.	Flow rate				Price	Description	
<b>Push-on washing brush</b>									
Push-on wash brush, M 18 x 1.5	1	4.762-016.0						Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	<input type="checkbox"/>
<b>Rotating washing brush</b>									
Washing brush rotary	2	4.762-560.0	500-800 l/h						<input type="checkbox"/>
	3	4.762-561.0	500-800 l/h						<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M 1.077-410.0



		Order no.	Flow rate	Feed temperature	Length	Price	Description	
<b>Solar cleaning</b>								
Brush iSolar 400	1	6.368-456.0	1000 l/h	40 °C			Water-driven disc brushes with a working width of 400 mm for cleaning smaller and medium-sized photovoltaic systems. Also perfect for use on elevated systems.	<input type="checkbox"/>
Brush iSolar 800	2	6.368-454.0	1000 l/h	40 °C			Water-powered brush head (800 mm) with two contra-rotating disc brushes for cleaning photovoltaic systems. With flexible angle joint for uniform cleaning.	<input type="checkbox"/>
Telescopic rod complete 7,2m	3	4.107-054.0		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"/>
Telescopic rod complete 10m	4	4.107-053.0		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"/>
Telescopic rod complete 10m CFK	5	4.107-055.0		60 °C				<input type="checkbox"/>
Telescopic rod complete 14m	6	4.107-052.0		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"/>
Hose solar	7	6.392-978.0		155 °C	8.5 m		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"/>
	8	6.392-977.0		155 °C	11.5 m		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"/>
	9	6.392-976.0		155 °C	15 m		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"/>
Case sheet steel	10	6.988-152.0					Certified personal security system for rooftop work. Contents: Travelling fall arrester with shock absorber and 15 m kern-mantle rope, harness, anchoring sling and sheet steel case.	<input type="checkbox"/>

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