



The HDS 7/12-4 M from Kärcher with electric motor, two cleaning agent tanks and service electronics is the ideal entry-level machine in the middle class of hot water high-pressure cleaners.



1 ecoefficiency mode

- 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 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.

3 Mobility concept

- "Jogger" design with large rubber-tyred wheels and steering roller.
- Sturdy transport eyelets for safe loading during transport.



HDS 7/12-4 M

- Economical ecoefficiency mode
- Axial pump with turbo blower
- Two cleaning agent tanks

Technical data

Order no.	1.077-410.0	
EAN code	4039784732032	
Supply voltage	Ph / V / Hz	1 / 230 / 50
Flow rate	l/h	350-700
Pressure	bar / MPa	30-120 / 3-12
Max. temperature	°C	80 / 155
Connection load	kW	3.4
Heating oil consumption, full load	kg/h	4.6
Fuel tank	l	25
Weight	kg	146
Dimensions (L x W x H)	mm	1330 x 750 x 1060
Detergent tank	l	20 + 10

Equipment

Spray gun	Easy Press trigger gun	
Trigger gun with soft grip insert	■	
Pressure hose	m	10 / Long-life
Spray lance	mm	1050
Power nozzle	■	
Servo Control	-	
Anti-twist system	■	
Tanks for cleaning agent, calcification protection and fuel can be conveniently 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 7/12-4 M 1.077-410.0

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		Order no.	ID	Max. working pressure	Length	Price	Description	
Standard with unions on both sides								
High-pressure hose, 15 m, ID 8, 315 bar, including rotary coupling	1	6.390-010.0	ID 8	315 bar	15 m			▲
High-pressure hose, 20 m, ID 8, 315 bar, extension piece	2	6.390-031.0	ID 8	315 bar	20 m			▲
High-pressure hose, 15 m, ID 10, 220 bar, extension piece	3	6.390-023.0	ID 10	220 bar	15 m			▲
High-pressure hose, 10 m, ID 8, 315 bar, extension piece	4	6.391-342.0	ID 8	315 bar	10 m			▲
High-pressure hose, 30 m, ID 8, including rotary coupling	5	6.390-293.0	ID 8	315 bar	30 m			▲
Longlife 400 with unions on both sides								
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	▲
Longlife 400 high-pressure hose, 10 m, DN 8, extension piece	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).	□
Food industry version with unions on both sides								
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.	▲
Longlife food design with screw connections at both ends								
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			▲
Longlife 400								
Longlife 400 high-pressure hose, 10 m, DN 8,	16	6.391-351.0	ID 8	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.	□
Food industry version								
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	□
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.

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		Order no.	ID	Max. working pressure	Length	Price	Description	
Longlife food design								
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"/>
Special hoses								
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	
Easy Press high-pressure trigger gun with holding force reduction (Kärcher patent)									
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.	■
Trigger guns									
High-end HP trigger gun	2	4.775-823.0							□
Quick connect									
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.	□
Male coupling	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



		Order no.	Nozzle size				Price	Description	
Power nozzle spray angle 25°									
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.	■
25° power nozzle for cleaning agent suction	2	2.884-521.0	250						□
HP nozzle spray angle 0°									
High-pressure nozzle with 0° spray angle	3	2.884-535.0	50					High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
Power nozzle spray angle 15°									
Power nozzle spray angle 15°	4	2.883-390.0	55					Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
Power nozzle spray angle 40°									
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

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		Order no.	Max. working pressure	Length		Price	Description	
Rotating spray lances								
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.	□
850 mm spray pipe, rotatable	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.	□
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.	□
Variable pressure spray lance								
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.	□
Adapter for variable pressure spray lance								
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	□
Angular spray lance								
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.	□
Undercarriage spray lance								
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.	□
Spray lances								
Vibrasoft 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.	□
Spray lance								
250 mm lance, non-rotatable	12	4.760-667.0		250 mm			250 mm stainless steel lance. With manual coupling. Non-rotatable.	□
Double lance								
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).	□
Flexible spray lance								
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.	□
Telescopic spray lance								
Telescopic spray lance	15	6.394-690.0	225 bar					□
Strap for telescopic spray 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

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		Order no.	Max. working pressure	Length			Price	Description
Gutter cleaner								
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	
Grey wheel kit									
Grey wheel kit HDS M/S	1	2.641-975.0							<input type="checkbox"/>
Flame monitoring attachment kit									
Flame monitoring attachment kit 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"/>
Crane lifting kit									
Crane loading attachment kit for HDS medium and super class	3	2.642-424.0						Effortless loading by crane.	<input type="checkbox"/>
Accumulator kits									
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	
FR 30 Me surface cleaner								
Hard surface cleaner FR 30 Me	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"/>
Hard surface cleaner FR 50								
Hard surface cleaner FR 50	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"/>
Machine-specific nozzle kits for FR								
Nozzle kit for surface cleaners	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"/>
Hard surface cleaner FRV 30								
FRV 30 surface cleaner	4	2.642-999.0						<input type="checkbox"/>
Rubber lip for FRV 30	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"/>
Machine-specific nozzle kits for FRV								
Nozzle kit 050 – for FRV 30	7	2.642-433.0		50				<input type="checkbox"/>
FRV 30 Me surface cleaner								
FRV 30 Me	8	2.642-911.0						<input type="checkbox"/>
FRV 30 Me extension hose	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

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		Order no.	Max. working pressure	Nozzle size	Diameter	Price	Description	
HKF 50 spray head, brass								
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"/>
Nozzle kit for spray head HKF 50 (3.631-009.0 / 3.631-039.0)								
Nozzle 030 for 2-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 grip for precise control of 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"/>
Nozzle 070 for HKF 50	6	6.415-077.0		70			Nozzle for dual-nozzle operation	<input type="checkbox"/>
Pipe cleaning hose, ID 6								
Pipe cleaning hose, DN 6, 20 m, max. 120 bar	7	6.390-028.0	120 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, DN 6, 30 m, max. 120 bar	8	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, max. 250 bar	9	6.390-030.0	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 nozzle								
Rotating pipe cleaning nozzle	10	6.415-428.0		50	16 mm		Pipe cleaning nozzle with four rotating jets and inner thread. Different spray directions. The hose moves freely through the pipe. With R 1/8" connection.	<input type="checkbox"/>
Pipe cleaning dirt blaster D 25 / 060	11	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	12	6.415-947.0		60	30 mm			<input type="checkbox"/>
Pipe cleaning dirt blaster D 35 / 060	13	6.415-949.0		60	35 mm			<input type="checkbox"/>
Pipe cleaning nozzle	14	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"/>
	15	5.763-016.0		60	16 mm			<input type="checkbox"/>
	16	5.763-017.0		50	30 mm			<input type="checkbox"/>
Barrel and tank cleaning								
Barrel cleaner BC 14/12	17	2.641-740.0	120 bar				The BC 14/12 is an 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	
Angled vario nozzle 0-90°								
Spezial nozzle 0005	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"/>
Dirt blaster, large								
Dirt blaster	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"/>
Dirt blaster – with changeover to low pressure cleaning agent intake								
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"/>
Dirt blaster with changeover to fan jet								
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

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		Order no.	Nozzle size				Price	Description	
Wet blasting attachment (without nozzle)									
Wet blasting attachment with flow control (without nozzles)	1	4.762-010.0						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"/>
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 7/12-4 M

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		Order no.	Flow rate				Price	Description	
Inno Foam Kit									
Inno Foam Set	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"/>
Easy Foam Set									
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"/>
Nozzle kits for Inno/Easy Foam Set									
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"/>
Foam nozzle mounting kit									
Foam nozzle attachment 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"/>
Cup foam lance									
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"/>
1-litre cleaning agent container for foam lance	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	
Automatic, self-winding hose reels									
Automatic hose reel, coated	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"/>
Powder-coated 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"/>
Automatic hose reel, stainless steel, includes swivel holder	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"/>
ABS automatic hose drum 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"/>
ABS holder, automatic hose drum HDS M/S	5	2.643-040.0							<input type="checkbox"/>
Automatic hose reel, powder-coated steel / plastic	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"/>
Automatic stainless steel / synthetic material hose drum	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 automatic stainless steel hose drum	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 pivoting stainless steel wall bracket	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

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		Order no.	Length	Diameter	Price	Description	
Starting current limiter							
Starting current limiter	1	2.637-495.0				Reduces starting current in single-phase supply and protects line fuse.	<input type="checkbox"/>
Geka coupling							
Geka connector with hose barb, R 1/2"	2	6.388-461.0				with hose liner	<input type="checkbox"/>
Geka connector with hose barb, R 3/4"	3	6.388-455.0					<input type="checkbox"/>
Hose coupling	4	6.388-458.0				with female thread	<input type="checkbox"/>
Geka connector with hose barb, R 1"	5	6.388-465.0					<input type="checkbox"/>
Suction filter							
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 suction filter	7	6.414-956.0					<input type="checkbox"/>
Water fine filter							
Water fine 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"/>
Water fine 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"/>
Water supply hose							
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



1

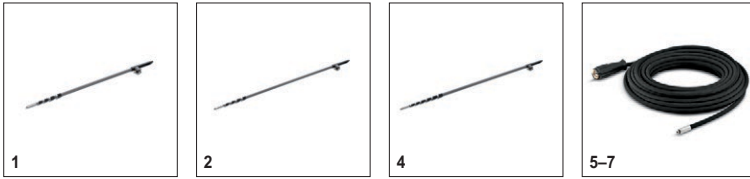


2-3

		Order no.	Flow rate				Price	Description	
Push-on washing brush									
Push-on washing brush	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"/>
Rotating washing brush									
Rotating wash brush for < 800 l/h machines, natural hair bristles	2	4.762-560.0	500-800 l/h						<input type="checkbox"/>
Rotating wash brush for < 800 l/h machines, nylon bristles	3	4.762-561.0	500-800 l/h					The rotating wash brush gently removes fine dust and grime from all surfaces. Heat-resistant up to 80°C. (M 18 x 1.5, replaceable brush insert).	<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	Water inlet temperature	Length	Length	Price	Description	
Solar cleaning – telescopic lances									
iSolar TL 7 H (without hose)	1	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"/>
iSolar TL 10 H (without hose)	2	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"/>
iSolar TL 10 C (without hose)	3	4.107-055.0		60 °C					<input type="checkbox"/>
iSolar TL 14 C (without hose)	4	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"/>
iSolar HP hose 7	5	6.392-978.0		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		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		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 delivery. □ Available accessories. ▲ Extension hose.