



The HDS 7/12-4 M Classic 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 eco!efficiency mode

- In the eco!efficiency 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 Classic

- Economical ecoefficiency mode
- Axial pump with turbo blower
- Three-phase motor: air-cooled

### Technical data

<b>Order no.</b>		1.077-416.0
<b>EAN code</b>		4039784732094
<b>Supply voltage</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>Connection load</b>	<b>kW</b>	3.4
<b>Heating 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 × W × H)</b>	<b>mm</b>	1330 × 750 × 1060
<b>Detergent tank</b>	<b>l</b>	20 + 10

### Equipment

<b>Spray gun</b>	Easy Press trigger gun	
<b>Trigger gun with soft grip insert</b>	■	
<b>Pressure hose</b>	<b>m</b>	10 / Long-life
<b>Spray lance</b>	<b>mm</b>	1050
<b>Power nozzle</b>	■	
<b>Servo Control</b>	–	
<b>Anti-twist system</b>	■	
<b>Tanks for cleaning agent, calcification protection and fuel can be conveniently filled from the outside</b>	■	
<b>Control panel with display light</b>	■	
<b>Three-piston axial pump</b>	With ceramic pistons	
<b>Pressure cut-off</b>	■	

■ Included in delivery.

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0

**KÄRCHER**



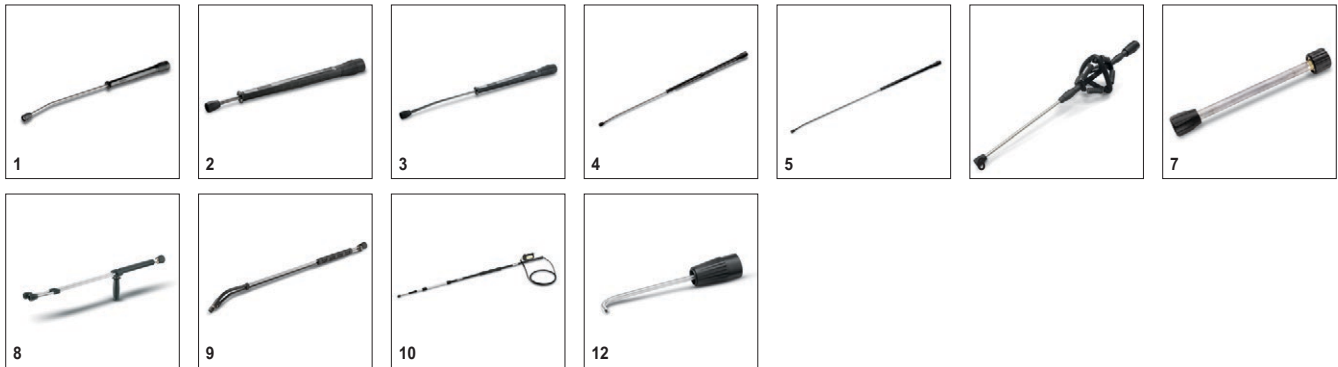
		Order no.	ID	Max. working pressure	Length	Price	Description	
<b>Standard with unions on both sides</b>								
High-pressure hose, 10 m, ID 8, 315 bar, extension piece	1	6.391-342.0	ID 8	315 bar	10 m			▲
High-pressure hose, 30 m, ID 8, including rotary coupling	2	6.390-293.0	ID 8	315 bar	30 m			▲
<b>Longlife 400 with unions on both sides</b>								
Longlife 400 high-pressure hose, 10 m, DN 8, extension piece	3	6.391-354.0	ID 8	400 bar	10 m			▲
High-pressure hose Longlife 400, 15 m, ID 8, including rotary coupling	4	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	5	6.390-294.0	ID 8	400 bar	30 m			▲
High-pressure hose 1.5 m, ID 8, including connectors	6	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>Longlife food design with screw connections at both ends</b>								
High pressure hose food ID 8, 10 m	7	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	8	6.391-887.0	ID 8	400 bar	20 m			▲
<b>Longlife 400</b>								
Longlife 400 high-pressure hose, 10 m, DN 8,	9	6.391-351.0	ID 8	400 bar	10 m			□
<b>Longlife food design</b>								
High-pressure hose Longlife 400, 10 m, ID 8, AVS trigger gun connection	10	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)	□
High-pressure hose Longlife 400, 20 m, ID 8, AVS trigger gun connection	11	6.391-886.0	ID 8	400 bar	20 m			□
<b>Special hoses</b>								
High-pressure hose 1.5 m, ID 8, including connectors, outlet bend	12	6.388-886.0	ID 8	400 bar	1.5 m			□

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

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0

**KÄRCHER**

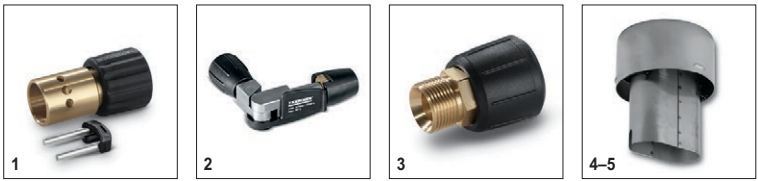


		Order no.	Max. working pressure	Length			Price	Description	
<b>Rotating spray lances</b>									
1050 mm spray pipe, rotatable	1	4.760-660.0	300 bar	1050 mm				1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
600 mm 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.	□
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.	□
<b>Spray lances</b>									
Vibrasoft lance	6	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>									
250 mm lance, non-rotatable	7	4.760-667.0		250 mm				250 mm stainless steel lance. With manual coupling. Non-rotatable.	□
<b>Double lance</b>									
Double lance 960 mm	8	6.394-665.0	310 bar	960 mm				960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).	□
<b>Flexible spray lance</b>									
Flexible lance 1050 mm	9	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 spray lance	10	6.394-690.0	225 bar						□
Strap for telescopic spray pipe	11	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	12	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.	□

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

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0



		Order no.					Price	Description	
<b>Adapters</b>									
Adapter M 22 – Swivel	1	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>Coupling parts</b>									
Articulated joint	2	6.987-705.0						This articulated joint with variable angle adjustment (up to an angle of 120°) is recommended for cleaning hard to reach areas. Fits directly on the spray lance.	<input type="checkbox"/>
<b>Rotary coupling</b>									
Rotary coupling	3	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	4	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"/>
	5	4.656-080.0							<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0



		Order no.					Price	Description	
<b>Crane lifting kit</b>									
Crane loading attachment kit for HDS medium and super class	1	2.642-424.0						Effortless loading by crane.	<input type="checkbox"/>
<b>Accumulator kits</b>									
Add-on accumulator for HDS M/S	2	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 Classic

## 1.077-416.0

**KÄRCHER**



		Order no.	Flow rate	Nozzle size	Diameter	Price	Description	
<b>Hard surface cleaner FRV 30</b>								
FRV 30 surface cleaner	1	2.642-999.0						<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"/>
Extension hose 5 m	3	4.440-939.0					5m extension hose for FRV 30. Connection sleeve included.	<input type="checkbox"/>
<b>Machine-specific nozzle kits for FRV</b>								
Nozzle kit 050 – for FRV 30	4	2.642-433.0		50				<input type="checkbox"/>
<b>FRV 30 Me surface cleaner</b>								
FRV 30 Me	5	2.642-911.0						<input type="checkbox"/>
FRV 30 Me extension hose	6	4.441-040.0						<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0

**KÄRCHER**



		Order no.	Max. working pressure	Nozzle size	Diameter	Price	Description	
<b>Barrel and tank cleaning</b>								
Barrel cleaner BC 14/12	1	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"/>
<b>Pipe cleaning hose, ID 6</b>								
Pipe cleaning hose, DN 6, 20 m, max. 250 bar	2	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"/>
<b>Pipe cleaning nozzle</b>								
Pipe cleaning dirt blaster D 25 / 060	3	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	4	6.415-947.0		60	30 mm			<input type="checkbox"/>
Pipe cleaning dirt blaster D 35 / 060	5	6.415-949.0		60	35 mm			<input type="checkbox"/>
Pipe cleaning nozzle	6	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"/>
	7	5.763-016.0		60	16 mm			<input type="checkbox"/>
	8	5.763-017.0		50	30 mm		Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 x 30° backwards, diameter 30 mm.)	<input type="checkbox"/>

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



# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0



		Order no.	Flow rate				Price	Description	
<b>Trigger guns</b>									
High-end HP trigger gun	1	4.775-823.0							<input type="checkbox"/>
<b>Quick connect</b>									
Quick coupling	2	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.	<input type="checkbox"/>
Male coupling	3	6.401-459.0						Hardened stainless steel nipple for quick coupling 6.401-458. With M22 x 1,5 male.	<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0



		Order no.	Nozzle size				Price	Description	
Power nozzle spray angle 25°									
25° power nozzle for cleaning agent suction	1	2.884-521.0	250						<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0



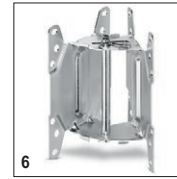
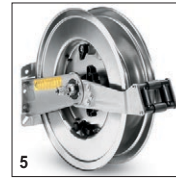
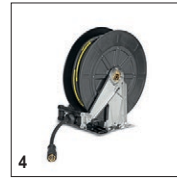
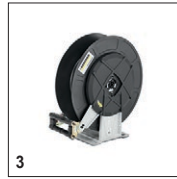
		Order no.	Flow rate				Price	Description	
<b>Cup foam lance</b>									
Cup foam lance	1	6.394-668.0	1200 l/h					Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.	<input type="checkbox"/>
1-litre cleaning agent container for foam lance	2	6.414-954.0							<input type="checkbox"/>

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

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0

**KÄRCHER**



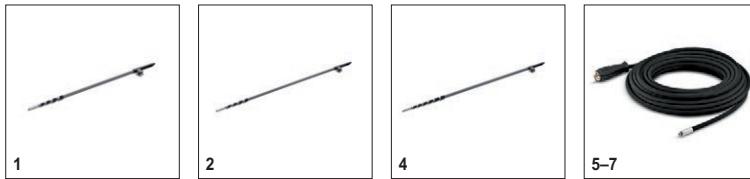
		Order no.	Length					Price	Description	
<b>Automatic, self-winding hose reels</b>										
ABS automatic hose drum HDS M/S	1	2.642-957.0	20 m						Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	<input type="checkbox"/>
ABS holder, automatic hose drum HDS M/S	2	2.643-040.0								<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"/>
ABS automatic stainless steel hose drum	5	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	6	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 Classic

## 1.077-416.0

**KÄRCHER**

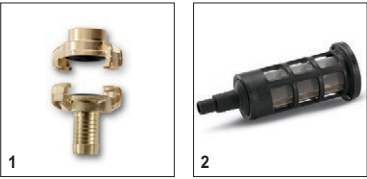


		Order no.	Flow rate	Water inlet temperature	Length	Length	Price	Description	
<b>Solar cleaning – telescopic lances</b>									
iSolar TL 7 H (without hose)	1	4.107-054.0		60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and 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.

# Accessories for HDS 7/12-4 M Classic

## 1.077-416.0



		Order no.	Length	Diameter			Price	Description	
<b>Geka coupling</b>									
Geka connector with hose barb, R 1"	1	6.388-465.0							<input type="checkbox"/>
<b>Suction filter</b>									
Water suction filter	2	6.414-956.0							<input type="checkbox"/>

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