



HD 7/12-4 M Plus

The HD 7/12-4 M Plus, a powerful, robust and versatile cold water pressure washer with good accessory storage and perfect manoeuvrability for daily operation.



1 Outstanding mobility



HD 7/12-4 M Plus

- Robust 4-pole low-speed AC motor
- Save energy and time: EASY!Force high-pressure guns and EASY!Lock quick-release locks.

Technical data

Order Number	1.524-936.0	
EAN code	4054278504919	
Current type	Ph / V / Hz	1 / 240 / 50
Flow rate	l/h	700
Operating pressure	bar / MPa	120 / 12
Max. pressure	bar / MPa	180 / 18
Max. water feed temperature	°C	60
Power rating	kW	3,1
Weight	kg	41,3
Dimensions (L x W x H)	mm	400 × 455 × 700

Equipment

Trigger gun	EASY!Force	
High-pressure hose	m	10 / Premium quality
Spray lance	mm	840
Power nozzle	■	
Dirt Blaster spray lance	■	
ANTI!Twist	-	
Pressure switch control	■	
Servo Control	-	
Quick coupling	■	
	■	

■ Included in delivery.

HD 7/12-4 M PLUS 1.524-936.0

KÄRCHER



		Order Number	ID	Max. working pressure	Length	Price	Description	
Standard with unions on both sides								
High-pressure hose, 10 m DN 8, AVS trigger gun connector	1	6.110-031.0	ID 8	315 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	▲
High-pressure hose, 15 m DN 8, AVS trigger gun connector	2	6.110-030.0	ID 8	315 bar	15 m		15 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	▲
High-pressure hose, 20 m DN 8, AVS trigger gun connector	3	6.110-032.0	ID 8	315 bar	20 m		20 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	▲
High-pressure hose, 30 m DN 8, including rotary coupling	4	6.110-014.0	ID 8	315 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose, 15 m DN 10, 220 bar, extension	5	6.110-042.0	ID 10	220 bar	15 m		15 m high-pressure hose M 22 x 1.5 with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.	▲
High-pressure hose, 20 m DN 10, 220 bar, extension	6	6.110-043.0	ID 10	220 bar	20 m		with union on both sides, M 22 x 1.5 with anti-kink protection. NW 10/155°C/220 bar	▲
High-pressure hose, 25 m DN 10, extension, not rotatable	7	6.110-044.0	ID 10	220 bar	25 m			▲
Hose assembly premium DN10 22MPa 40m	8	6.110-045.0	ID 10	220 bar	40 m			▲
Hose assembly premium DN12 21MPa 15m	9	6.110-059.0	ID 12	210 bar	15 m		High-pressure hose for water volumes greater than 1,800 l/h. With union on both sides. 2x M 22 x 1.5 with anti-kink protection.	▲
Hose assembly premium DN12 21MPa 40m	10	6.110-060.0	ID 12	210 bar	40 m			▲
Hose assembly TR DN10 22MPa 10m	11	6.110-041.0	ID 10	220 bar	10 m			▲
High-pressure hose, 10 m DN 6, AVS trigger gun connector	12	6.110-035.0	ID 6	250 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 6/155°C/250 bar.	□
	13	6.110-034.0	ID 6	250 bar	10 m			□
High-pressure hose, 10 m, DN 6, 300 bar, AVS trigger gun connection	14	6.110-056.0	ID 6	300 bar	10 m		With patented AVS connection in the trigger gun (pivot-mounted) and hand screw union. M 22 x 1.5 with anti-kink protection. NW 6/155°C/300 bar	□
Longlife 400 with unions on both sides								
High-pressure hose packaged	15	6.110-038.0	ID 8	400 bar	10 m			▲
High-pressure hose Longlife 400, 30 m DN 8, including rotary coupling	16	6.110-023.0	ID 8	400 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose Longlife 400, 20 m, DN 8, extension	17	6.110-027.0	ID 8	400 bar	20 m		with rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose Longlife 400, 15 m, DN 8, including rotary coupling	18	6.110-029.0	ID 8	400 bar	15 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose 1.5 m, DN 8, including connectors	19	6.110-024.0	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).	□
	20	6.110-069.0	ID 8	400 bar	1.5 m			□
Food industry version with unions on both sides								
High-pressure hose, 10 m ID 8, suitable for food industry, extension piece	21	6.110-051.0	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.	□

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

HD 7/12-4 M PLUS 1.524-936.0



		Order Number	ID	Max. working pressure	Length	Price	Description	
High-pressure hose, 20 m ID 8, suitable for food industry, extension piece	22	6.110-052.0	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.	<input type="checkbox"/>
Longlife food industry version with unions on both sides								
High pressure hose food DN 8 / 10 m	23	6.110-053.0	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	<input type="checkbox"/>
High-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun connection	24	6.110-054.0	ID 8	400 bar	20 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"/>

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

HD 7/12-4 M PLUS 1.524-936.0



		Order Number	Flow rate				Price	Description	
Trigger guns									
Extended easy press trigger gun	1	4.118-005.0						Extended easy press high-pressure trigger gun for high-pressure hoses with rotating connector.	■
Quick connect									
Quick-fitting pipe union coupler trapezo	2	2.115-000.0							□
Quick-fitting pipe union plug nipple tra	3	2.115-001.0							□

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

HD 7/12-4 M PLUS

1.524-936.0

KÄRCHER



1-4

		Order Number	Nozzle size					Price	Description	
Power nozzle spray angle 25°										
Power nozzle spray angle 25°	1	2.113-022.0	45						Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
HP nozzle spray angle 0°										
High-pressure nozzle spray angle 0°	2	2.113-033.0	45						High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
Power nozzle spray angle 15°										
Power nozzle spray angle 15°	3	2.113-046.0	45						Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
Power nozzle spray angle 40°										
Power nozzle spray angle 40°	4	2.113-053.0	45						Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□

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

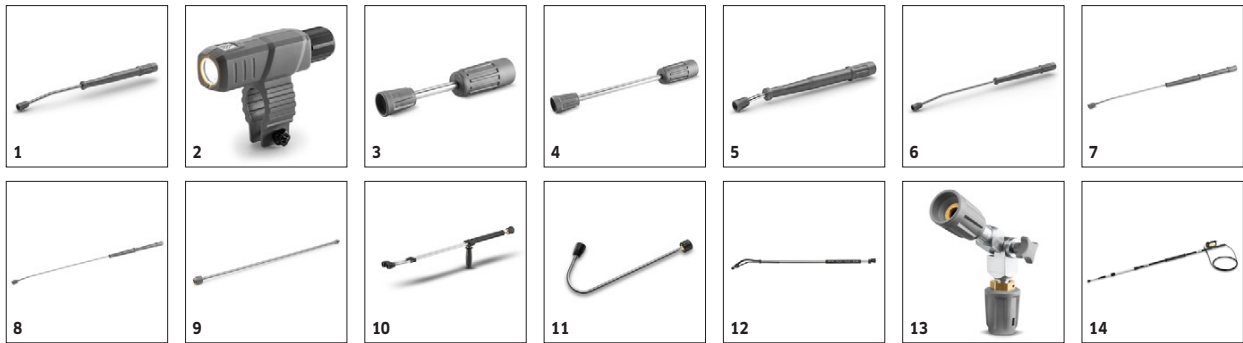
HD 7/12-4 M PLUS 1.524-936.0



		Order Number	Max. working pressure	Nozzle size		Price	Description	
Dirt blaster, large								
Dirt blaster - without changeover function	1	4.114-042.0	300 bar	45			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.	■
Triple nozzles								
Triple jet nozzle 045	2	4.117-036.0	300 bar	45				□
Angle vario nozzle 0°-90°								
Spezial nozzle 0005	3	4.113-007.0		50			Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	□
Dirt Blaster, small								
	4	4.114-021.0	180 bar	45				□

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

HD 7/12-4 M PLUS 1.524-936.0



	Order Number	Max. working pressure	Length	Price	Description	
Rotating spray lances						
Lance 850 mm, rotatable, ergonomic	1	4.112-006.0	300 bar	840 mm		850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure. <input checked="" type="checkbox"/>
Nozzle light	2	2.680-002.0		125 mm		<input type="checkbox"/>
Lance 250 mm, non-rotatable	3	4.112-027.0	300 bar	250 mm		<input type="checkbox"/>
550 mm lance, non-rotatable	4	4.112-024.0	300 bar	400 mm		<input type="checkbox"/>
Rotatable lance, 600 mm, ergonomic	5	4.112-007.0	300 bar	600 mm		600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure. <input type="checkbox"/>
1050 mm lance, rotatable, ergonomic	6	4.112-000.0	300 bar	1050 mm		1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure. <input type="checkbox"/>
Lance 1550 mm, rotatable, ergonomic	7	4.112-018.0	300 bar	1550 mm		1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure. <input type="checkbox"/>
Lance 2050 mm, rotatable, ergonomic	8	4.112-021.0	300 bar	2050 mm		2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure. <input type="checkbox"/>
Jet pipe extension TR 1000 mm	9	4.112-048.0	300 bar	1000 mm		<input type="checkbox"/>
Double lance						
Double lance 960 mm	10	2.112-016.0	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). <input type="checkbox"/>
Angular spray lance						
WC and gutter lance	11	4.112-029.0				Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets. <input type="checkbox"/>
Flexible spray lance						
Flexible lance 1050 mm	12	4.112-035.0	210 bar	1050 mm		1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters. <input type="checkbox"/>
Articulated joint TR 20	13	4.112-057.0	300 bar			<input type="checkbox"/>
Telescopic spray lance						
Telescopic jet pipe	14	4.112-037.0	225 bar	5400 mm		<input type="checkbox"/>
Restraint belt for telescopic jet pipe	15	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. <input type="checkbox"/>
Gutter cleaner						
Gutter cleaning lance	16	2.112-015.0		960 mm		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"/>
Undercarriage spray lance						
Underbody lance	17	4.112-032.0		700 mm		Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle. <input type="checkbox"/>
Additional handle						
	18	4.321-380.0				<input type="checkbox"/>
PowerControl spray lance						
Pressure regulating jet pipe packaged Po	19	4.112-046.0				<input type="checkbox"/>

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

HD 7/12-4 M PLUS 1.524-936.0



		Order Number					Price	Description	
Y distributor									
Y distributor	1	4.111-024.0							<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.

HD 7/12-4 M PLUS

1.524-936.0



		Order Number	Flow rate	Nozzle size	Diameter	Price	Description	
Hard Surface Cleaner FRV 30								
Add-on kit rubber lip	1	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	2	4.440-939.0					5m extension hose for FRV 30. Connection sleeve included.	<input type="checkbox"/>
Add-on kit hose attachment	3	2.642-528.0						<input type="checkbox"/>
Add-on kit dirt trap	4	2.642-532.0						<input type="checkbox"/>
FRV 30	5	2.111-010.0					Surface cleaner with integrated waste water pick-up	<input type="checkbox"/>
Hard surface cleaner FR 30								
FR 30	6	2.111-011.0			300 mm		Hard surface cleaner FR 30	<input type="checkbox"/>
Hard surface cleaner FR 30 ME								
FR 30 ME surface cleaner	7	2.111-013.0			300 mm		Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.	<input type="checkbox"/>
Machine-specific nozzle kit for FR								
Nozzle kit for surface cleaners (type-specific) 650 - 850 l/h	8	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"/>
Machine-specific nozzle kits for FRV								
Nozzle kit 045 for FRV 30	9	2.642-432.0		45				<input type="checkbox"/>
Hard surface cleaner FRV 30 Me								
Suction hose FRV 30 me	10	4.441-040.0						<input type="checkbox"/>
FRV 30 ME	11	2.111-012.0					Surface cleaner with integrated waste water pick-up	<input type="checkbox"/>

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

HD 7/12-4 M PLUS 1.524-936.0



		Order Number						Price	Description	
Nozzle union										
Protection part TR only for replacement	1	4.112-011.0								<input type="checkbox"/>
Rotary coupling										
Rotary coupling	2	4.111-021.0							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"/>
Coupling										
Coupler -2xM22x1,5	3	4.111-037.0							Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.	<input type="checkbox"/>
Connector										
Nozzle connector/screw connector	4	4.111-022.0							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"/>
	5	4.111-038.0								<input type="checkbox"/>
Adapter EASY!Lock										
Adapter 1 M22AG-TR22AG	6	4.111-029.0								<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	7	4.111-030.0								<input type="checkbox"/>
Adapter 3 M22IG-TR22AG	8	4.111-031.0								<input type="checkbox"/>
Adapter M22 - Swivel	9	4.111-032.0							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"/>
Adapter 5 TR22IG-M22AG	10	4.111-033.0								<input type="checkbox"/>
Adapter 6 TR22IG-M22AG	11	4.111-034.0								<input type="checkbox"/>
Adapter 7 M18IG-TR20AG	12	4.111-035.0								<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	13	4.111-036.0								<input type="checkbox"/>
ADAPTER for replacement TR22IG-M22AG Er	14	4.111-046.0								<input type="checkbox"/>
HP detergent injector										
	15	6.645-758.0								<input type="checkbox"/>
	16	6.500-000.0								<input type="checkbox"/>
Detergent injector for high and low pressure (without nozzles)	17	4.637-032.0							Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>
Detergent injector for high pressure	18	4.637-033.0							Cleaning agent dosage at high pressure 3 - 5 %	<input type="checkbox"/>
Machine-specific nozzle kit with order no. 3.637-170										
Nozzle insert trapezoidal thread HD-GER.	19	4.769-005.0								<input type="checkbox"/>
Nozzle insert with order no. 3.637-001										
Nozzle insert for Order No. 3.637-001, high-pressure for machines up to 1100 l/h.	20	4.769-003.0							Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.	<input type="checkbox"/>
Low pressure for units rated 1100 l/h or more	21	4.769-006.0							For low pressure with machines above 1.100 l/h	<input type="checkbox"/>

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

HD 7/12-4 M PLUS 1.524-936.0



		Order Number	Nozzle size					Price	Description	
Wet blasting attachment (without nozzle)										
Wet blasting attachment with flow control (without nozzles)	1	4.115-000.0							Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet.	<input type="checkbox"/>
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0							Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. Without flow control.	<input type="checkbox"/>
Nozzle pack for wet blasting attachment										
Nozzle pack TR wet jet set 0045	3	2.112-022.0	45							<input type="checkbox"/>
Boron carbide nozzle										
Boron carbide nozzle, for machines as of 1000 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.

HD 7/12-4 M PLUS

1.524-936.0



		Order Number	Max. working pressure	Nozzle size	Diameter		Price	Description
Pipe cleaning hose, ID 6								
Hose assembly TR pipe cleaning DN6 max.2	1	6.110-046.0	250 bar					<input type="checkbox"/>
Pipe cleaning hose, DN 6, 20 m, 220 bar	2	6.110-008.0	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"/>
Hose assembly TR pipe cleaning DN6 max.2	3	6.110-047.0	250 bar					<input type="checkbox"/>
Hose assembly TR pipe cleaning DN6 14MPa	4	6.110-048.0	140 bar					<input type="checkbox"/>
Pipe cleaning hose	5	6.110-049.0	140 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	6	6.110-050.0	140 bar					30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle). <input type="checkbox"/>
Pipe cleaning nozzle								
Dirt blaster pipe cleaning D21/040	7	4.765-001.0		40	21 mm			<input type="checkbox"/>
Dirt blaster pipe cleaning D30/040	8	4.765-004.0		40	30 mm			<input type="checkbox"/>
Pipe cleaning nozzle	9	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"/>
	10	5.763-016.0		60	16 mm			<input type="checkbox"/>
	11	5.763-017.0		50	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"/>
Rotating pipe cleaning nozzle	12	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"/>

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

HD 7/12-4 M PLUS

1.524-936.0

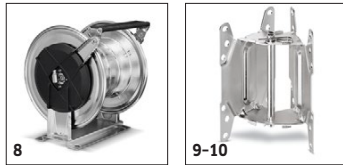


		Order Number	Flow rate				Price	Description	
Cup foam lance									
Foam lance TR	1	4.112-054.0	700-800 l/h						<input type="checkbox"/>
Packing complete for 6.394-969.0	2	2.112-018.0							<input type="checkbox"/>
Tank grey only for replacement 1L	3	6.414-050.0							<input type="checkbox"/>
Inno Foam Set									
Inno foam kit with detergent injector	4	2.112-000.0						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 with RM injector	5	2.112-010.0						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 055 z. Inno/Easy Set 500 - 600 l/h	6	2.111-009.0	500-600 l/h					Optimal adaptation to different machine outputs for economic use.	<input type="checkbox"/>
Foam nozzle mounting kit									
Foam nozzle kit	7	2.112-013.0						Foaming agent kit. The foam nozzle is ideal for use in sanitary areas and the food industry and wherever long application times are necessary.	<input type="checkbox"/>

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

HD 7/12-4 M PLUS

1.524-936.0

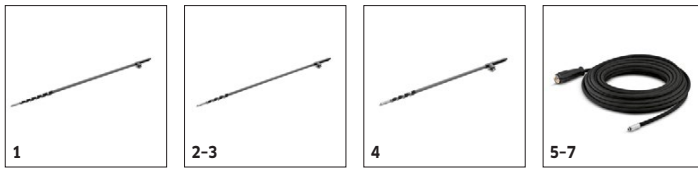


		Order Number	Length					Price	Description	
Hose reel add-on kit										
Add-on kit hose reel module	1	2.110-024.0	15 m							<input type="checkbox"/>
Automatic, self-winding hose reels										
Add-on kit hose reel plastics	2	6.392-074.0	20 m						Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	<input type="checkbox"/>
Add-on kit hose reel	3	6.392-083.0	20 m						Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	<input type="checkbox"/>
Hose reel, automatic, 20 m, painted	4	6.392-106.0	20 m						Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Hose reel, automatic, 20 m, stainless steel	5	6.392-105.0	20 m						Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
ABS hose reel stainless steel	6	6.392-076.0	20 m						Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
ABS hose reel stainless steel	7	6.392-122.0	20 m						High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrosion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	<input type="checkbox"/>
Add-on kit hose reel TR 40m	8	6.392-442.0	40 m							<input type="checkbox"/>
Swivel holder	9	2.639-931.0							Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	<input type="checkbox"/>
ABS wall fastening stainless steel	10	2.641-867.0							Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.	<input type="checkbox"/>

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

HD 7/12-4 M PLUS

1.524-936.0



		Order Number	Flow rate	Water feed temperature	Length	Length	Price	Description	
Solar cleaning - telescopic lances									
Telescopic rod complete 14m	1	4.110-002.0		max. 60 °C				Full carbon telescopic rod for maximum rigidity with minimal weight. With 14 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
Telescopic rod complete 10m CFK	2	4.110-007.0		max. 60 °C					<input type="checkbox"/>
Telescopic rod complete 10m	3	4.110-003.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 10 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
iSolar TL 7 H (without hose)	4	4.110-004.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and practical quick-release couplings for easy extension and retraction.	<input type="checkbox"/>
Hose solar	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"/>
	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"/>
	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 delivery. □ Available accessories. ▲ Extension hose.

HD 7/12-4 M PLUS 1.524-936.0



		Order Number	Length	Diameter		Price	Description	
Other HP Accessories								
Starting current limiter	1	2.637-495.0					Reduces starting current in single-phase supply and protects line fuse.	<input type="checkbox"/>
Geka coupling								
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 hose nozzle, R 1"	4	6.388-465.0						<input type="checkbox"/>
With female thread, R 3/4"	5	6.388-473.0					with female thread	<input type="checkbox"/>
Suction filter								
Water filter	6	6.414-956.0						<input type="checkbox"/>
Suction filter with check valve	7	4.730-012.0					Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	<input type="checkbox"/>
Fine-mesh water filter								
Fine-mesh water filter, 100 µm, R 3/4"	8	2.637-691.0					Fine-mesh water filter, 100 µm, max. temperature 60°C. Protects the high-pressure cleaner from dirt particles contained in the water. Transparent filter cup. Water flow rate up to 1200 l/h. Connector 3/4".	<input type="checkbox"/>
Fine-mesh water filter with adapter	9	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 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"/>
Backflow check valve								
Backflow preventer	11	2.641-374.0					To prevent detergent getting into the drinking water cycle in case of inlet at low-pressure. - hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakage protection	<input type="checkbox"/>

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

HD 7/12-4 M PLUS 1.524-936.0



		Order Number	Flow rate				Price	Description	
Push-on washing brush									
Push-on wash brush, M 18 x 1.5	1	4.113-001.0						Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	<input type="checkbox"/>
Rotating washing brush									
	2	4.113-004.0	500-800 l/h						<input type="checkbox"/>
	3	4.113-002.0	800-1300 l/h						<input type="checkbox"/>
	4	4.113-003.0	500-800 l/h						<input type="checkbox"/>
	5	4.113-005.0	800-1300 l/h						<input type="checkbox"/>

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