

HD 9/23 DE TR1

The HD 9/23 De Tr1 is a mobile, trailer-based, diesel operated, cold water pressure washer which is the ideal machine for cleaning applications on construction sites and in municipalities.



Made in Germany



Stage V



3-6 h



CONFIGURABLE



SERVO CONTROL

Order no. **1.524-954.2**

- Application-based configuration
- Servo Control: variable water and pressure volume regulation direct from the trigger gun.
- Independent high-pressure cleaning irrespective of external power sources

Technical data

EAN code		4054278519463
Flow Rate	l/h	400 - 930
Water feed temperature	°C	60
Operating pressure	bar / MPa	40 - 230 / 4 - 23
Motor manufacturer		Yanmar
Motor type		L 100 V
Weight (with accessories)	kg	600
Dimensions (L × W × H)	mm	3382 × 1496 × 1435

This device does not require instruction.

Equipment

Trigger gun		EASY!Force Advanced
High-pressure hose	m	15 / Premium quality / ID 8, 315 bar
Spray lance	mm	1050
Servo Control		■
Power nozzle		■

■ included in delivery.



Independent of an external power or water supply

- Yanmar diesel or Honda petrol engines (both EU STAGE V) for independent work.
- 1000 litre water tank for at least one hour of work at full power.
- Integrated trailer concept for high mobility and maximum independence.



Easy and convenient operation

- Very simple operation, thus designed for use in rental parks.
- Convenient equipment with motor electro start and optional hose reel.
- Storage compartment in the rear section for storing fuel canister and accessories.



Robust design for harsh working conditions

- Reliable, tried-and-tested Kärcher high-pressure technology with long service life.
- Bullbar and rear tarpaulin for protecting the machine available as optional equipment.
- The integrated antifreeze system permits work activities all year round.

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		Order no.	Description	
TRIGGER GUNS				
Trigger guns				
EASY!Force Advanced	1	4.118-005.0	Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.	■
Conversion kit 1 from high pressure hose	2	4.111-050.0	A conversion kit which enables secure connection from an M22 hose onto our innovative EASY!Force trigger gun. The kit includes the EASY!Force Trigger gun, adaptors and lance.	□
Conversion kit 2 from device	3	4.111-051.0	Provides all the parts required to utilise our EASY!Force technology even on our non-Easy!Force machines. Including adaptors, lance, Easy!Force trigger gun and hose.	□
Conversion kit 3 only EASY!Force	4	4.111-052.0	A conversion kit for the EASY!Force gun, which includes the correct adaptors to connect to the M22 style lance and hose.	□
Servo Control				
Servo Control, 750 l/h - 1100 l/h	5	4.118-008.0	Water quantity and pressure regulated directly from the hand spray gun.	■
SPRAY LANCES				
Rotating spray lances				
Spray lance, 1050 mm, rotatable	6	4.112-000.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
LED nozzle light	7	2.680-002.0	LED work light for assembly on EASY!Force spray lances, providing a clear view in poor lighting conditions ensuring controlled cleaning results.	□
Spray lance, 250 mm, rotatable	8	4.112-027.0	250 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 400 mm, rotatable	9	4.112-024.0	400 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 600 mm, rotatable	10	4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 840 mm, rotatable	11	4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 1550 mm, rotatable	12	4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance, 2050 mm, rotatable	13	4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance extender, 1000 mm	14	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	□

■ Included in delivery. □ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Double lance				
Double lance, 960 mm	15	2.112-016.0	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	16	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				
High pressure articulated joint	17	4.112-057.0	For hard-to-reach areas: High-pressure articulated joint with infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.	<input type="checkbox"/>
Gutter cleaner				
Gutter cleaning lance	18	2.112-015.0	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"/>
Undercarriage spray lance				
Underbody lance	19	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	<input type="checkbox"/>
Additional handle				
Additional handle for EASY!Lock spray lances	20	4.321-380.0	Comfortable in every situation – the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task.	<input type="checkbox"/>
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power Nozzle 25°, 050	21	2.113-023.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	<input checked="" type="checkbox"/>
HP nozzle spray angle 0°				
Power Nozzle 0°, 050	22	2.113-034.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	<input type="checkbox"/>
Power nozzle spray angle 40°				
Power Nozzle 40°, 050	23	2.113-054.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	<input type="checkbox"/>
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 15 m, DN 8, 315 bar, 2 × EASY!Lock	24	6.110-030.0	15 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	<input checked="" type="checkbox"/>
High-pressure hose, 10 m, DN 8, 315 bar, 2 × EASY!Lock	25	6.110-031.0	10 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	<input type="checkbox"/>
High-pressure hose, 20 m, DN 8, 315 bar, 2 × EASY!Lock	26	6.110-032.0	20 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	<input type="checkbox"/>
High-pressure hose, 30 m, DN 8, 315 bar, 2 × EASY!Lock	27	6.110-014.0	With rotary coupling, 2 × M 22 × 1.5	<input type="checkbox"/>
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1,5 m, DN 8, 400 bar, 2 × EASY!Lock	28	6.110-024.0	1.5 m high-pressure hose (DN 8, M 22 × 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 × 1.5).	<input type="checkbox"/>

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1,5 m, DN 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1,5	29	6.110-069.0	High-pressure hose (ID 8) with double steel reinforcement, 1,5 m long, suitable for up to 400 bar pressure. Connectors: M 22 × 1,5, quick and convenient EASY!Lock hand screw connection.	<input type="checkbox"/>
High-pressure hose Longlife, 10 m, DN 8, 400 bar, 2 × EASY!Lock	30	6.110-038.0	Durable, 10 m long high-pressure hose (ID 8) with double steel reinforcement and EASY!Lock hand screw connection at both ends and ANTI!Twist. Approved for 400 bar pressure.	<input type="checkbox"/>
High-pressure hose Longlife, 30 m, DN 8, 400 bar, 2 × EASY!Lock	31	6.110-023.0	With rotary coupling, 2 × M 22 × 1,5	<input type="checkbox"/>
High-pressure hose Longlife, 20 m, DN 8, 400 bar, 2 × EASY!Lock	32	6.110-027.0	with rotary coupling, 2 × M 22 × 1,5	<input type="checkbox"/>
High-pressure hose Longlife, 15 m, DN 8, 400 bar, 2 × EASY!Lock	33	6.110-029.0	With rotary coupling, 2 × M 22 × 1,5	<input type="checkbox"/>
Longlife food industry version with unions on both sides				
High-pressure hose food grade Longlife, 10 m, DN 8, 400 bar, 2 × EASY!Lock	34	6.110-053.0	With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, ANTI!Twist and EASY!Lock hand screw connection at both ends.	<input type="checkbox"/>
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt Blaster Nozzle, large, 050	35	4.114-027.0	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"/>
MULTIPLE-JET NOZZLES				
Triple nozzles				
Triple Nozzle, 050	36	4.117-037.0	Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For high-pressure cleaners with injector; low-pressure fan jet for detergent removal and application.	<input type="checkbox"/>
Angle vario nozzle 0°-90°				
Angled Vario Nozzle, 050	37	4.113-007.0	Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	<input type="checkbox"/>
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle screws	38	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	<input type="checkbox"/>
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Hose assembly TR pipe cleaning DN6 max.2	39	6.110-046.0	The 10 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, 20 m, 220 bar	40	6.110-008.0	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	41	6.110-047.0	The 30 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				
Dirt blaster pipe cleaning D21/060	42	4.765-002.0	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"/>

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		Order no.	Description	
PIPE CLEANING				
Pipe cleaning nozzle				
Dirt blaster pipe cleaning D30/060	43	4.765-005.0	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 nozzle	44	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
	45	5.763-016.0		<input type="checkbox"/>
	46	5.763-017.0	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	47	6.415-428.0	Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
Add-on kit rubber lip	48	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	49	4.440-939.0	5m extension hose for FRV 30. Connection sleeve included.	<input type="checkbox"/>
Add-on kit hose attachment	50	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	<input type="checkbox"/>
Add-on kit dirt trap	51	2.642-532.0	Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	<input type="checkbox"/>
FRV 30	52	2.111-010.0	Surface cleaner with integrated waste water pick-up	<input type="checkbox"/>
Hard surface cleaner FR 30 ME				
FR 30 ME surface cleaner	53	2.111-013.0	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				
FR 50 surface cleaner	54	2.111-023.0	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 kit for FR				
Nozzle kit for FR, 850 l/h - 1100 l/h	55	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	<input type="checkbox"/>
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 050	56	2.642-433.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	<input type="checkbox"/>

Available accessories.

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		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
Hard surface cleaner FRV 30 Me				
Extension hose FRV 30 Me and FRV 50 Me	57	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	<input type="checkbox"/>
FRV 30 Me Surface Cleaner	58	2.111-012.0	Thanks to automatic suction of the dirty water, the stainless steel FRV 30 Me Surface Cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85°C.	<input type="checkbox"/>
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Basic 3, 900 l/h - 2500 l/h	59	4.112-055.0	For high-pressure cleaners with a flow rate of 900-2500 l/h: new, robust and very high-quality foam cup lance with outstanding foam quality while consuming half as much cleaning agent.	<input type="checkbox"/>
1-litre cleaning agent container for cup foam lance basic	60	5.071-414.0		<input type="checkbox"/>
1-litre cleaning agent container for cup foam lance advanced	61	6.414-050.0	Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).	<input type="checkbox"/>
Cup foam lance Advanced 3, 900 l/h - 2500 l/h	62	4.112-065.0		<input type="checkbox"/>
Cup foam lance DUO Advanced 3, 900 l/h - 2500 l/h	63	4.112-069.0		<input type="checkbox"/>
Inno Foam Set				
Inno foam kit with detergent injector	64	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	65	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 090 Inno/Easy kit 700 - 1000 l/h	66	2.111-019.0	Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	<input type="checkbox"/>
Foam nozzle mounting kit				
Foam nozzle kit	67	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"/>
MIXERS AND INJECTORS				
HP detergent injector				
Detergent injector for high and low pressure (without nozzles)	68	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	69	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 HDS-GER	70	4.769-011.0	For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	<input type="checkbox"/>

Available accessories.

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		Order no.	Description	
MIXERS AND INJECTORS				
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.	71	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 up to 1100 l/h	72	4.769-001.0	For low pressure with machines up to 1.100 l/h	<input type="checkbox"/>
QUICK CONNECT				
Quick-fitting pipe union coupler trapezo	73	2.115-000.0	For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 × 1.5 internal thread.	<input type="checkbox"/>
Quick-fitting pipe union plug nipple tra	74	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.	<input type="checkbox"/>
DRUM AND TANK CLEANING				
Add-on kit mud sucker	75	2.641-798.0		<input type="checkbox"/>
OTHER HP ACCESSORIES				
Jet gun	76	2.869-067.0	Short set-up time, easy transport, instant switch off - the jet gun is the affordable cleaning method for all kinds of small to medium-sized areas. Adjustable pressure/water volume.	<input type="checkbox"/>
COUPLING PARTS				
Rotary coupling				
Rotary coupling	77	4.111-021.0	Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector Easy!Lock. With grip protection.	<input type="checkbox"/>
Connector				
Nozzle connector/screw connector	78	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 × 1.5 and 1x M 18 × 1.5.	<input type="checkbox"/>
Y distributor	79	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	<input type="checkbox"/>
Short spray unit	80	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	<input type="checkbox"/>
Adapter EASY!Lock				
Adapter 1 M22AG-TR22AG	81	4.111-029.0	Adapter 1 to connect the old hose with the new hose	<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	82	4.111-030.0	Adapter 2 to connect the old device with the new hose and the old gun with the new hose	<input type="checkbox"/>
Adapter 3 M22IG-TR22AG	83	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	<input type="checkbox"/>
Adapter M22 - Swivel	84	4.111-032.0	M22 × 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"/>

Available accessories.

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		Order no.	Description	
COUPLING PARTS				
Adapter EASY!Lock				
Adapter 5 TR22IG-M22AG	85	4.111-033.0	Adapter 5 to connect the new gun with the old spray lance and new servo regulator with the old spray lance	<input type="checkbox"/>
Adapter 6 TR22IG-M22AG	86	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	<input type="checkbox"/>
Adapter 7 M18IG-TR20AG	87	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	88	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	<input type="checkbox"/>
Coupler -2xM22x1,5	89	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"/>
ADAPTER for replacement TR22IG-M22AG Er	90	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	<input type="checkbox"/>
FACADE AND SOLAR PANEL CLEANING				
Brushes				
iSolar 800 Advanced	91	6.368-094.0	iSolar 800 water-driven brush head, 800 mm wide, for water flow rates of 700-1,000 l/h. With two contra-rotating disc brushes and flexible angle joint. For photovoltaic systems.	<input type="checkbox"/>
iSolar 400 Advanced	92	6.368-092.0	iSolar 400 brush for water flow rate of 700-1,000 l/h. The water-driven disc brush with a width of 400 mm cleans small to medium-sized photovoltaic systems. Also perfect for use on elevated systems.	<input type="checkbox"/>
Drive for roller brush 500	93	4.762-584.0	Hydraulic drive for rotating roller brushes. For cleaning façades or solar power installations with our professional high-pressure cleaners. Installation on spray lance or telescopic lance.	<input type="checkbox"/>
Splash guard for roller brush 500	94	4.762-621.0	Splash guard with velcro fastening for rotating roller brush. Clear view of the brush thanks to transparent film, with protection against splashes at the same time.	<input type="checkbox"/>
Roller brush 500 soft	95	4.762-623.0	Soft brush attachment for use with hydraulic drive (4.762-584.0). Ideal for glass and solar power installation cleaning. Easy quick-change system and secure mounting on drive.	<input type="checkbox"/>
Roller brush 500 medium	96	4.762-624.0	Medium-hard brush attachment for use with hydraulic drive (4.762-584.0). Suitable for sensitive façades, foils and fabrics. Easy and safe quick-change system.	<input type="checkbox"/>
Roller brush 500 hard	97	4.762-625.0	Hard brush attachment for use with hydraulic drive (4.762-584.0). For rough façades, stone and wooden patios. Safe and easy quick-change system.	<input type="checkbox"/>
Brush hard	98	6.960-133.0	Brush with hard bristles for cleaning industry façades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.	<input type="checkbox"/>

Available accessories.

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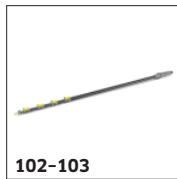
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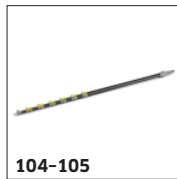
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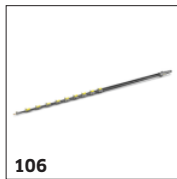
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102-103



104-105



106



107



108-109



110



111-113

	Order no.	Description	
FACADE AND SOLAR PANEL CLEANING			
Brushes			
Brush medium	99	6.960-134.0	Optimally cleans facades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher. <input type="checkbox"/>
Brush soft	100	6.960-135.0	For simple installation on telescopic lances or high-pressure lances from Kärcher: brush with soft bristles for deep cleaning of sensitive surfaces such as glass or solar systems. <input type="checkbox"/>
Telescopic			
TL low pressure adapter	101	4.580-097.0	TL low-pressure adapter comprising ball valve for tool-free installation on telescopic lances. Ideal for applications with rotating high-pressure brushes. <input type="checkbox"/>
Telescopic lance TL 7 F	102	4.762-609.0	Telescopic lance TL 7 F with up to 7 m reach made from robust and lightweight glass fibre. With practical quick-release fasteners for simple retraction and extension. <input type="checkbox"/>
Telescopic lance TL 7 H	103	4.762-610.0	Multifunctional hybrid telescopic lance TL 7 H made of rigid and lightweight carbon-glass fibre mix. Telescopic thanks to quick-release fastenings. Up to 7 m reach. <input type="checkbox"/>
Telescopic lance TL 10 H	104	4.762-611.0	Up to 10 m reach: hybrid telescopic lance TL 10 H. Comprising carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners. <input type="checkbox"/>
Telescopic lance TL 10 C	105	4.762-612.0	Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning facades, windows or solar panels. <input type="checkbox"/>
Telescopic lance TL 14 C	106	4.762-613.0	Maximum rigidity with minimum weight: telescopic lance TL 14 C made from carbon fibre. Enormous reach of 14 m, multifunctional use and easy to use thanks to quick-release fasteners. <input type="checkbox"/>
TL high pressure adapter	107	4.775-154.0	TL high-pressure adapter, flexible high-pressure gun for high-pressure cleaning with telescopic lances. Ergonomic, easy to install, suitable for right- and left-handed individuals. <input type="checkbox"/>
Wassereenthärtung			
WS 50	108	6.368-463.0	The mobile WS 50 water softening unit prevents lime residue on clean surfaces. A special ion-exchange resin removes the dissolved limescale from the water. <input type="checkbox"/>
WS 100	109	6.368-464.0	The mobile WS 100 water softening unit prevents lime residue on clean surfaces. A special ion-exchange resin removes the dissolved limescale from the water. <input type="checkbox"/>
WS Regenerator	110	6.368-465.0	With the WS Regenerator regeneration system, the softening cartridges of the water softening units WS 50 and WS 100 can be backflushed and regenerated at the push of a button. <input type="checkbox"/>
Hoses			
Hose solar	111	6.392-978.0	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"/>
	112	6.392-977.0	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"/>

Available accessories.

EQUIPMENT FOR HD 9/23 DE TR1 1.524-954.2



	Order no.	Description	
FACADE AND SOLAR PANEL CLEANING			
Hoses			
Hose solar	113	6.392-976.0 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"/>
Attachment kits and adapters			
Case sheet steel	114	6.988-152.0 Certified personal security system for rooftop work. Contents: Travelling fall arrestor with shock absorber and 15 m kernmantle rope, harness, anchoring sling and sheet steel case.	<input type="checkbox"/>
WET BLASTING ATTACHMENT			
Wet blasting attachment (without nozzle)			
Wet blasting attachment with flow control (without nozzles)	115	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)	116	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 0050	117	2.112-023.0 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 .	<input type="checkbox"/>
Boron carbide nozzle			
Boron carbide nozzle, for machines as of 1000 l/h	118	6.415-084.0 In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	<input type="checkbox"/>
ADD-ON KITS			
Retro-fit HD-Trailer			
Hose reel complete	119	2.772-051.0	<input type="checkbox"/>
Cover front complete	120	2.772-062.0	<input type="checkbox"/>
Add-on kit crane hook	121	2.772-063.0	<input type="checkbox"/>
Add-on kit cover rear	122	2.772-064.0	<input type="checkbox"/>
Add-on kit hour counter	123	2.772-067.0	<input type="checkbox"/>
Add-on kit holder tin 20l	124	2.772-068.0	<input type="checkbox"/>
Add-on kit lamp	125	2.772-076.0	<input type="checkbox"/>
Add-on kit ram protection	126	2.772-077.0	<input type="checkbox"/>

Available accessories.

EQUIPMENT FOR HD 9/23 DE TR1 1.524-954.2



	Order no.	Description	
ADD-ON KITS			
Retro-fit HD-Trailer			
Add-on kit damper	127	2.772-078.0	<input type="checkbox"/>
Add-on kit covering cap motor	128	2.772-082.0	<input type="checkbox"/>
WATER CONNECTION			
Geka coupling			
With hose nozzle, R 3/4"	129	6.388-455.0	with hose liner <input type="checkbox"/>
Hose coupling	130	6.388-458.0	with female thread <input type="checkbox"/>
Suction filter			
Water filter	131	6.414-956.0	Suitable for ponds, storage tanks or similar, polyamide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve <input type="checkbox"/>
Suction filter with check valve	132	4.730-012.0	Brass suction filter suitable for ponds, storage tanks, etc. With check valve. <input type="checkbox"/>
Fine-mesh water filter			
Add-on kit water filter universal	133	2.637-020.0	<input type="checkbox"/>
Fine-mesh water filter with adapter	134	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	135	4.440-038.0	NW 13 R1" / R 3/4", up to 30 °C <input type="checkbox"/>
Backflow check valve			
Backflow preventer	136	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"/>
WASHING BRUSHES			
Push-on washing brush			
Push-on wash brush, M 18 × 1.5	137	4.113-001.0	Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 × 1.6. <input type="checkbox"/>
Rotating washing brush			
Rotating wash brush for > 800 l/h machines, nylon bristles	138	4.113-002.0	Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 × 1.5 (replaceable brush insert). <input type="checkbox"/>
Rotating wash brush for > 800 l/h machines, natural bristles	139	4.113-005.0	
DRY ICE CLEANING			
Mounting kits and other accessories			
Case for nozzles and accessories	140	6.421-355.0	Storage case for spray nozzles can simply be attached to the back of the IB 15/120 with clips. Nozzle case height 120 mm. <input type="checkbox"/>

Available accessories.

**EQUIPMENT FOR HD 9/23 DE TR1
1.524-954.2**

		Order no.	Description	
COLD WATER CAGE MACHINES				
High-pressure hoses				
Pressure hose, 30 m, 620 bar, M22 × 1.5	141	6.391-019.0	Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size M 22 × 1.5. Suitable for up to 620 bar working pressure.	<input type="checkbox"/>

Available accessories.