

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.



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

Scope of supply

Spray gun: EASY!Force Advanced
High-pressure hose length: 15 m
High-pressure hose type: Premium quality
High-pressure hose specification: DN 8, 315 bar
Spray lance: 1050 mm
Servo Control
Power nozzle

Equipment

Detergent function: Suction

This machine requires instruction.



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.	■
EASY!Force conversion kit 1 - from high-pressure hose	2	4.111-050.0	For retrofitting Kärcher high-pressure cleaners with existing high-pressure hose: EASY!Force conversion kit 1 with EASY!Force high-pressure gun, spray lance and all adapters through to the nozzle.	□
EASY!Force conversion kit 2 - from machine	3	4.111-051.0	Developed for retrofitting existing high-pressure cleaners from Kärcher: EASY!Force conversion kit 2 with EASY!Force high-pressure gun, spray lance, high-pressure hose and necessary adapters.	□
EASY!Force conversion kit 3 - high-pressure gun	4	4.111-052.0	Compatible with existing high-pressure hose and spray lance: EASY!Force conversion kit 3, incl. EASY!Force trigger gun and all necessary adapters for upgrading your high-pressure cleaner.	□
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.	■
Jet pipe with transport packaging, 840 mm	7	4.119-003.0	Rotating Classic spray lance with ergonomic handle bowls in a robust and high-quality stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	□
Jet pipe TR 600mm with package, 600 mm	8	4.119-009.0		□
Jet pipe Classic TR 100mm, 100 mm	9	4.119-013.0		□
Jet pipe Classic TR 200mm, 200 mm	10	4.119-014.0		□
Jet pipe Classic TR 400mm, 400 mm	11	4.119-015.0		□
LED nozzle light	12	2.680-002.0	Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.	□
Spray lance, 250 mm, rotatable	13	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	□
Spray lance, 400 mm, rotatable	14	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	□

■ Included in delivery. □ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 600 mm, rotatable	15	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	16	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	17	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	18	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	19	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	☐
Double lance				
Double lance, 960 mm	20	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).	☐
Angular spray lance				
WC and gutter lance	21	4.112-029.0	Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	☐
Flexible spray lance				
High pressure articulated joint	22	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.	☐
Gutter cleaner				
Gutter cleaning lance	23	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.	☐
Undercarriage spray lance				
Underbody lance	24	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	☐
Additional handle				
Additional handle for EASY!Lock spray lances	25	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.	☐
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power Nozzle 25°, 050	26	2.113-023.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	☒
HP nozzle spray angle 0°				
Power nozzle 0°, 050	27	2.113-034.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	☐
Power nozzle spray angle 40°				
Power Nozzle 40°, 050	28	2.113-054.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	☐

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 15 m, ID 8, 315 bar, 2 × EASY!Lock	29	6.110-030.0	15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides.	■
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	30	6.110-031.0	High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long.	□
High-pressure hose, 20 m, ID 8, 315 bar, 2 × EASY!Lock	31	6.110-032.0	20 m long high-pressure hose (DN 8) equipped with the time-saving and robust EASY!Lock manual screw fitting on both sides. Approved for pressures up to 315 bar.	□
High-pressure hose, 30 m, ID 8, 315 bar, 2 × EASY!Lock	32	6.110-014.0	Comfortable length (30 m) and innovative EASY!Lock manual screw fitting: High-pressure hose (DN 8) with ANTI!Twist for pressures up to 315 bar.	□
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1.5 m, ID 8, 400 bar, 2 × EASY!Lock	33	6.110-024.0	1.5 m short high-pressure hose (DN 8). Comfortable EASY!Lock manual screw fitting on both sides for robust and quick connections. Durable and designed for up to 400 bar pressure.	□
High-pressure hose Longlife, 1.5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	34	6.110-069.0	1.5 m long high-pressure hose (DN 8) suitable for up to 400 bar pressure with double steel core. Connections: M 22 × 1.5, as well as the comfortable and quick EASY!Lock manual screw fitting.	□
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	35	6.110-038.0	Durable, 10 m long high-pressure hose (DN 8) with double steel core and EASY!Lock manual screw fitting on both sides and ANTI!Twist. Approved for 400 bar pressure.	□
High-pressure hose Longlife, 30 m, ID 8, 400 bar, 2 × EASY!Lock	36	6.110-023.0	Robust high-pressure hose with double steel core, ANTI!Twist and EASY!Lock manual screw fitting on both sides. Nominal size DN 8, 30 m long, for up to 400 bar pressure.	□
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	37	6.110-027.0	High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.	□
High-pressure hose Longlife, 15 m, ID 8, 400 bar, 2 × EASY!Lock	38	6.110-029.0	The double steel core ensures a particularly long life of this 15 m long high-pressure hose (DN 8), which is approved for pressures up to 400 bar.	□
Longlife food industry version with unions on both sides				
High-pressure hose food grade Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	39	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.	□
Classic				
High-pressure hose Classic, 10 m, ID 8, 315 bar ×, EASY!Lock	40	4.119-005.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	□
Hose TR DN8 31,5MPa 20m with package, 20 m, ID 8, 315 bar ×, EASY!Lock	41	4.119-006.0		□
Hose TR DN8 31,5MPa 30m with package, 30 m, ID 8, 315 bar ×, EASY!Lock	42	4.119-007.0		□

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		Order no.	Description	
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster, large, 050	43	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.	☐
MULTIPLE-JET NOZZLES				
Triple nozzles				
Triple nozzle, 050	44	4.117-037.0	Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For machines with an injector, the low-pressure flat stream is useful for cleaning agent suction and application.	☐
Angle vario nozzle 0°-90°				
Angled Vario nozzle, 050	45	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.	☐
ECO!BOOSTER				
eco!Booster TR 050	46	2.113-088.0	eco!Booster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 050).	☐
Eco!Booster MAX TR 050	47	2.113-097.0	Maximum efficiency and versatility in professional cleaning. The eco!Booster MAX offers more than double the area performance and ergonomic handling.	☐
QUICK CONNECT				
Quick-fitting pipe union coupler trapezo	48	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.	☐
Quick-fitting pipe union plug nipple tra	49	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.	☐
DRUM AND TANK CLEANING				
Add-on kit mud sucker	50	2.641-798.0	For connection to the high-pressure hose of Kärcher high-pressure cleaners: Powerful sludge suction cleaner for the retrofitting of high-pressure cleaners to dirt pumps.	☐
OTHER HP ACCESSORIES				
Jet gun	51	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.	☐
SEALS FOR TRAPEZOIDAL THREAD				
Spare part set seals TR	52	2.880-001.0		☐
STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE				
Rollover nozzle holder				
Ball Nozzle Holder	53	4.764-012.0	Rollover nozzle holder for contactless changeover from pencil jet to fan jet as well as low-pressure detergent injection via knurled nut. Without nozzle insert. (Additional type-specific power nozzle).	☐
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle screws	54	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	☐
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Hose assembly TR pipe cleaning DN6 max.2	55	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).	☐
Pipe cleaning hose, DN 6, 20 m, 220 bar	56	6.110-008.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐

☐ Available accessories.

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PIPE CLEANING				
Pipe cleaning hose, ID 6				
Hose assembly TR pipe cleaning DN6 max.2	57	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).	☐
Pipe cleaning nozzle				
Dirt blaster pipe cleaning D21/060	58	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.	☐
Dirt blaster pipe cleaning D30/060	59	4.765-005.0		☐
Pipe cleaning nozzle	60	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
	61	5.763-016.0		☐
	62	5.763-017.0	Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 × 30° backwards, diameter 30 mm.)	☐
Rotating pipe cleaning nozzle	63	6.415-428.0	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.	☐
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
FRV 30	64	2.111-010.0	With the integrated, automatic suction of the dirty water, the FRV 30 makes surface cleaning even more efficient and can be used in both inside and outside areas. There is no longer a need to rinse the surface after cleaning, since the dirty water can be discharged through the 5 m suction hose supplied. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1000 l/h / 60°C.	☐
Add-on kit rubber lip	65	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.	☐
Extension hose 5 m	66	4.440-939.0	5m extension hose for FRV 30. Connection sleeve included.	☐
Add-on kit hose attachment	67	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	☐
Add-on kit dirt trap	68	2.642-532.0	Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	☐
Hard surface cleaner FR 30 ME				
FR 30 ME surface cleaner	69	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.	☐
Hard Surface Cleaner FR 50				
FR 50 surface cleaner	70	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.	☐

☐ Available accessories.

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		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
Machine-specific nozzle kit for FR				
Nozzle kit for FR, 850 l/h - 1100 l/h	71	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 050	72	2.642-433.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	☐
Hard surface cleaner FRV 30 Me				
FRV 30 Me Surface Cleaner	73	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.	☐
Extension hose FRV 30 Me and FRV 50 Me	74	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Advanced 3, 900 l/h - 2500 l/h	75	4.112-065.0	Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobrass for high-pressure cleaners from Kärcher.	☐
Cup foam lance DUO Advanced 3, 900 l/h - 2500 l/h	76	4.112-069.0	DUO Advanced 3 cup foam lance, designed for use with aggressive detergents. With instant switching to high-pressure cleaning, spraying angle adjustment and two-litre tank.	☐
Cup foam lance Basic 3, 900 l/h - 2500 l/h	77	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.	☐
1-litre cleaning agent container for cup foam lance basic	78	5.071-414.0	For the quick change of the cleaning agent: Additional 1 litre cleaning agent container for basic foam lance (2.112-053.0, 2.112-054.0 and 2.112-055.0).	☐
1-litre cleaning agent container for cup foam lance advanced	79	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).	☐
Inno Foam Set				
Inno foam kit with detergent injector	80	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.	☐
Easy Foam Set				
Easy Foam Set with RM injector	81	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.	☐
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 090 Inno/Easy kit 700 - 1000 l/h	82	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.	☐
Foam nozzle mounting kit				
Foam nozzle kit	83	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.	☐
MIXERS AND INJECTORS				
HP detergent injector				
Detergent injector for high and low pressure (without nozzles)	84	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐

☐ Available accessories.

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MIXERS AND INJECTORS				
HP detergent injector				
Detergent injector for high pressure	85	4.637-033.0	Cleaning agent dosage at high pressure 3 - 5 %	☐
Machine-specific nozzle kit with order no. 3.637-170				
Nozzle insert trapezoidal thread HDS-GER	86	4.769-011.0	For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	☐
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.	87	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.	☐
Low pressure for units rated up to 1100 l/h	88	4.769-001.0	For low pressure with machines up to 1.100 l/h	☐
COUPLING PARTS				
Rotary coupling				
Rotary coupling	89	4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	☐
Connector				
Nozzle connector/screw connector	90	4.111-022.0	For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - 1 x M 22 x 1.5/1 x M 18 x 1.5.	☐
Y distributor	91	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	☐
Short spray unit	92	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	☐
Adapter EASY!Lock				
Adapter 1 M22AG-TR22AG	93	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	94	4.111-030.0	Adapter 2 to connect the old device with the new hose and the old gun with the new hose	☐
Adapter 3 M22IG-TR22AG	95	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter M22 - Swivel	96	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	☐
Adapter 5 TR22IG-M22AG	97	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	☐
Adapter 6 TR22IG-M22AG	98	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	☐

☐ Available accessories.

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		Order no.	Description	
COUPLING PARTS				
Adapter EASY!Lock				
Adapter 7 M18IG-TR20AG	99	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	100	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Coupler -2xTR22 - EASY!Lock	101	4.111-037.0	Adapter 9 to connect the new hose with the new hose	☐
ADAPTER for replacement TR22IG-M22AG Er	102	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	☐
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Drive for roller brush 500	103	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.	☐
Splash guard for roller brush 500	104	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.	☐
Roller brush 500 soft	105	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.	☐
Roller brush 500 medium	106	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.	☐
Roller brush 500 hard	107	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.	☐
Brush hard	108	6.960-133.0	Brush with hard bristles for cleaning industry facades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.	☐
Brush medium	109	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.	☐
Brush soft	110	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.	☐
iSolar 800 Advanced	111	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.	☐
iSolar 400 Advanced	112	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.	☐

☐ Available accessories.

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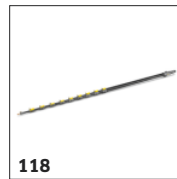
113



114-115



116-117



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120-122



123-125



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		Order no.	Description	
FACADE AND SOLAR PANEL CLEANING				
Telescopic				
TL low pressure adapter	113	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.	☐
Telescopic lance TL 7 F	114	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.	☐
Telescopic lance TL 7 H	115	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.	☐
Telescopic lance TL 10 H	116	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.	☐
Telescopic lance TL 10 C	117	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.	☐
Telescopic lance TL 14 C	118	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.	☐
TL high pressure adapter	119	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.	☐
Wasserenthärtung				
WS 50	120	6.368-463.0	The mobile WS 50 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐
WS 100	121	6.368-464.0	The mobile WS 100 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐
WS Regenerator	122	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.	☐
Hoses				
Hose solar	123	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.	☐
	124	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.	☐
	125	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.	☐
Attachment kits and adapters				
Case sheet steel	126	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.	☐

☐ Available accessories.

EQUIPMENT FOR HD 9/23 DE TR1 1.524-954.2



		Order no.	Description	
WET BLASTING ATTACHMENT				
Wet blasting attachment (without nozzle)				
Wet blasting attachment with flow control (without nozzles)	127	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.	☐
Wet blasting attachment without flow control (nozzles not included)	128	4.115-006.0	Addition of spray agent to the high pressure jet. For paint stripping, rust removal and descaling. Assembly on spray lance instead of high-pressure nozzle. Without water flow regulation	☐
Nozzle pack for wet blasting attachment				
Nozzle pack TR wet jet set 0050	129	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 .	☐
Boron carbide nozzle				
Boron carbide nozzle, for machines as of 1000 l/h	130	6.415-084.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	☐
DRUM AND TANK CLEANING				
Barrel and tank cleaning				
Rotary cleaner head M63E	131	6.751-061.0	Compact interior cleaning head made of stainless steel for cleaning the interiors of drums and containers with openings of 65 mm or more. Offers an impressively low weight and constant rotation speed by means of an electric motor.	☐
ADD-ON KITS				
Retro-fit HD-Trailer				
Hose reel complete	132	2.772-051.0	High-pressure hose reel for retrofitting Kärcher HD-trailers. Suitable for high-pressure hoses up to 50 metres long.	☐
Cover front complete	133	2.772-062.0	Robust front bar with guard for retrofitting HD trailers from Kärcher. Colour: Black.	☐
Add-on kit crane hook	134	2.772-063.0	Perfect for fast loading and transportation of Kärcher HD-trailers: the retrofittable crane hook.	☐
Add-on kit cover rear	135	2.772-064.0	Sturdy tarpaulin to protect the rear of Kärcher HD-trailers. Colour: Black.	☐
Add-on kit hour counter	136	2.772-067.0	Accurate elapsed time counter for retrofitting HD trailers from Kärcher.	☐
Add-on kit holder tin 20l	137	2.772-068.0	Fuel canister with 20 litre storage volume and transport lock for retrofitting Kärcher HD-trailers.	☐
Add-on kit lamp	138	2.772-076.0	Prominent flashing beacon for better visibility. For retrofitting HD trailers from Kärcher.	☐
Add-on kit ram protection	139	2.772-077.0	Very robust impact protection for retrofitting HD trailers from Kärcher.	☐
Add-on kit damper	140	2.772-078.0	Protective dampers for retrofitting HD trailers from Kärcher.	☐

☐ 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 covering cap motor	141	2.772-082.0	Cover for retrofitting Kärcher HD trailers. Protects the diesel or petrol engine, as well as the high-pressure pump of the high-pressure cleaner, during the journey.	☐
WATER CONNECTION				
Geka coupling				
With hose nozzle, R 3/4"	142	6.388-455.0	with hose liner	☐
Hose coupling	143	6.388-458.0	with female thread	☐
Suction filter				
Water filter	144	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	☐
Suction filter with check valve	145	4.730-012.0	Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	☐
Fine-mesh water filter				
Add-on kit water filter universal	146	2.637-020.0	Water fine filter, mesh size 25 µm, max. temperature 50 °C. Protects the machine from small dirt particles in the water. Water volume up to 1200 l/h. 3/4" connection, with 1" adapter.	☐
Fine-mesh water filter with adapter	147	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".	☐
Water supply hose				
Water supply hose	148	4.440-038.0	NW 13 R1" / R 3/4", up to 30 °C	☐
WASHING BRUSHES				
Push-on washing brush				
Push-on wash brush, M 18 × 1.5	149	4.113-001.0	For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection	☐
Rotating washing brush				
Rotating wash brush for < 800 l/h machines, nylon bristles	150	4.113-004.0	The rotating wash brush gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 60°C. (M 18 × 1.5, replaceable brush insert).	☐
Rotating wash brush for < 800 l/h machines, natural bristles	151	4.113-003.0	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).	☐
DRY ICE CLEANING				
Mounting kits and other accessories				
Case for nozzles and accessories	152	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.	☐
COLD WATER CAGE MACHINES				
High-pressure hoses				
Pressure hose, 30 m, 620 bar, M22 × 1.5	153	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.	☐

☐ Available accessories.