HDS 12/18 4S EASY!

The powerful HDS 12/18-4 S hot water high-pressure cleaner offers a high flow rate and optimised burner engineering for economical operation.



WORLD'S NO. 1 PRESSURE WASHER BRAND

Made in Germany

eco!efficiency

3–4 h

SERVO CONTROL

Order No.	1.071-916.0

Technical data

EAN code		4054278140384
Number of phases	**Phases**	3
Voltage	**Volt**	420
Frequency	**Hertz**	50
Flow rate	**Litres per hour**	600 – 1200
Working pressure	**Bar / Mega pascal**	30 – 180 / 3 – 18
Temperature (feed 12 °C)	**Celsius**	Minimum 80 – Maximum 155
Consumption of fuel oil at full load	**Kilograms per hour**	7.7
Heating oil consumption, eco!efficiency	**Kilograms per hour**	6.2
Connected load	**Kilowatt**	8.4
Power cable	**Metre**	5
Fuel tank	**Litre**	25
Weight (with accessories)	**Kilogram**	178
Weight incl. packaging	**Kilogram**	190
Dimensions (L × W × H)	**Millimetre**	1330 × 750 × 1060

This machine requires instruction.

Scope of supply

- **Spray gun:** EASY!Force Advanced
- **High-pressure hose length:** 20 Metre
- **High-pressure hose type:** Longlife
- **Spray lance:** 1050 Millimetre
- **Power nozzle**
- **Servo Control**

Equipment

- **Pressure cut-off**
- **Optional two-lance operation**
- **Pole reversing plug (3-phase)**
- **Soft Damping System (SDS)**
- **Electronic service control with LED display**
- **2 Detergent tanks**
- **Dry-running protection**
- **Stainless steel heating coil**









High efficiency

- In the Eco mode, the unit operates in the most economical temperature range (60°C) with full water flow.
- Burner cycles are optimised to reduce fuel consumption by up to 20% compared to full-load operation.
- The stainless steel heating coil offers lasting protection against corrosion and prevents the formation of black water.

Maximum efficiency

- Highly efficient, tried-and-tested burner technology.
- 4-pole electric motor with three-piston axial pump.
- Water-cooled motor for a high performance and long service life.

Storage

- Roomy storage compartment for cleaning agents, gloves and tools.
- Within easy reach for left-handed or right-handed users and ideal for two-lance operation.

HDS 12/18 4S EASY!, 1.071-916.0, 2026-06-19

EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


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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	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.	☐
Conversion kit 2 from device	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.	☐
Conversion kit 3 only EASY!Force	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, 1100 Litres per hour –	5	4.118-009.0	Servo Control controller with EASY!Lock	☐
SPRAY LANCES				
Rotating spray lances				
Spray lance, 1050 Millimetre, 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 Millimetre	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 Millimetre	8	4.119-009.0		☐
Jet pipe Classic TR 100mm, 100 Millimetre	9	4.119-013.0		☐
Jet pipe Classic TR 200mm, 200 Millimetre	10	4.119-014.0		☐
Jet pipe Classic TR 400mm, 400 Millimetre	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 Millimetre, rotatable	13	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	☐
Spray lance, 400 Millimetre, rotatable	14	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	☐

■ Included in delivery. ☐ Available accessories.

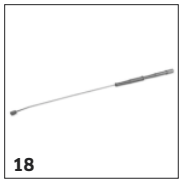
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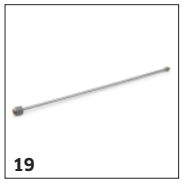
EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


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27–30

		Order No.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 600 Millimetre, 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 Millimetre, 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 Millimetre, 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 Millimetre, 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 Millimetre	19	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	☐
Double lance				
Double lance, 960 Millimetre	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				
Flexible lance, 1050 Millimetre	22	4.112-035.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	☐
High pressure articulated joint	23	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	24	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	25	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	26	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. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360°-rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.	☐
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle 25Degrees, 068	27	2.113-027.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	■
HP nozzle spray angle 0°				
Power nozzle 0Degrees, 075	28	2.113-037.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	☐

■ Included in delivery. ☐ Available accessories.

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EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


27–30


31


32


33–35


36, 41


37–40


42

		Order No.	Description	
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 15°				
Power nozzle 15Degrees, 070	29	2.113-049.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
Power nozzle spray angle 40°				
Power nozzle 40Degrees, 075	30	2.113-056.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	☐
HIGH-PRESSURE HOSES				
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 10 Metre, DN 8, 400 Bar, 2 × EASY!Lock	31	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, 1,5 Metre, DN 8, 400 Bar, 2 × EASY!Lock	32	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, 30 Metre, DN 8, 400 Bar, 2 × EASY!Lock	33	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 Metre, DN 8, 400 Bar, 2 × EASY!Lock	34	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 Metre, DN 8, 400 Bar, 2 × EASY!Lock	35	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.	☐
Standard with unions on both sides				
High-pressure hose, 10 Metre, DN 10, 220 Bar, 2 × EASY!Lock	36	6.110-041.0	Impressive values and basic equipment: 10 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	☐
High-pressure hose, 10 Metre, DN 8, 315 Bar, 2 × EASY!Lock	37	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, 15 Metre, DN 8, 315 Bar, 2 × EASY!Lock	38	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, 20 Metre, DN 8, 315 Bar, 2 × EASY!Lock	39	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 Metre, DN 8, 315 Bar, 2 × EASY!Lock	40	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.	☐
High-pressure hose, 15 Metre, DN 10, 220 Bar, 2 × EASY!Lock	41	6.110-042.0	Equipped with innovative EASY!Lock manual screw fitting and suitable for pressures up to 220 bar: 15 m long high-pressure hose (DN 10).	☐
High-pressure hose, 20 Metre, DN 10, 220 Bar, 2 × EASY!Lock	42	6.110-043.0	20 m in length and the extremely time-saving and comfortable EASY!Lock manual screw fitting on both sides are some of the main features of this high-pressure hose (DN 10).	☐

■ Included in delivery. ☐ Available accessories.

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EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


43–44, 46


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		Order No.	Description	
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 25 Metre, DN 10, 220 Bar, 2 × EASY!Lock	43	6.110-044.0	Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	☐
High-pressure hose, 40 Metre, DN 10, 220 Bar, 2 × EASY!Lock	44	6.110-045.0	40 m long high-pressure hose with EASY!Lock system for the time-saving manual screw connection (both sides). Nominal size (DN) 10, working pressure up to 220 bar.	☐
High-pressure hose, 15 Metre, DN 12, 210 Bar, 2 × EASY!Lock	45	6.110-059.0	Designed for working pressures up to 250 bar: High-pressure hose (DN 12) with a length of 15 m. Has the comfortable EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose, 40 Metre, DN 12, 210 Bar, 2 × EASY!Lock	46	6.110-060.0	With EASY!Lock manual screw fitting and lots of room for manoeuvre thanks to 40 m in length: High-pressure hose (DN 12) with EASY!Lock manual screw fitting on both sides. Suitable for working pressures up to 250 bar.	☐
Food industry version with unions on both sides				
High-pressure hose food grade, 10 Metre, DN 8, 250 Bar, 2 × EASY!Lock	47	6.110-051.0	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 × 1.5 with anti-kink sleeve.	☐
High-pressure hose food grade, 20 Metre, DN 8, 250 Bar, 2 × EASY!Lock	48	6.110-052.0	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 × 1.5, with kink protection. NW 8/155°C/250 bar.	☐
Longlife food industry version with unions on both sides				
High-pressure hose food grade Longlife, 10 Metre, DN 8, 400 Bar, 2 × EASY!Lock	49	6.110-053.0	Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 × M 22 × 1,5	☐
Special hoses				
High-pressure hose curved, 1.5 Metre, DN 8, 400 Bar, 1 × EASY!Lock / 1 × M22 × 1.5	50	6.110-068.0	For connection to hose reels: high-pressure hose, with M 22 × 1.5 connection and curved EASY!Lock hand screw connection. 1.5 m long, suitable for up to 400 bar working pressure.	☐
Classic				
High-pressure hose Classic, 10 Metre, DN 8, 315 Bar × , EASY!Lock	51	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 Metre, DN 8, 315 Bar × , EASY!Lock	52	4.119-006.0		☐
Hose TR DN8 31,5MPa 30m with package, 30 Metre, DN 8, 315 Bar × , EASY!Lock	53	4.119-007.0		☐
Hose assembly with package TR DN10 25MPa, 20 Metre, DN 10, 250 Bar × , EASY!Lock	54	4.119-019.0		☐
Hose assembly with package TR DN10 25MPa, 40 Metre, DN 10, 250 Bar × , EASY!Lock	55	4.119-020.0		☐
WEED CONTROL				
WR 50	56	2.114-013.0	In combination with a hot water high-pressure cleaner from Kärcher, the 50 cm wide weed remover WR 50 is ideal for removing weeds. It comes with an adaptive chassis and nozzle adapter.	☐

☐ Available accessories.

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EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


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		Order No.	Description	
WEED CONTROL				
WR 20 trapezoidal thread	57	2.114-014.0	For thorough weed removal: The WR 20 weed remover for use with a hot water high-pressure cleaner from Kärcher. Equipped with a 20 cm wide nozzle bar and nozzle adapter.	☐
WR 100	58	2.114-015.0	Comfortable and fast weed removal: WR 100 weed remover with chassis, 100 cm wide nozzle bar and integrated nozzle adapter for use with hot water high-pressure cleaners.	☐
WR 10	59	2.114-016.0	In combination with hot water high-pressure cleaners our WR 10 weed remover enables fast and thorough weed removal. With 10 cm spray head and nozzle adapter.	☐
ECO!BOOSTER				
eco!Booster TR 080	60	2.113-089.0	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 080).	☐
Eco!Booster MAX TR 080	61	2.113-099.0		☐
QUICK CONNECT				
Quick coupling	62	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.	☐
Male coupling	63	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	64	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	65	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.	☐
FLUE PIPE				
Exhaust gas nozzle	66	4.656-079.0	Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	67	2.880-001.0		☐
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster, large, 070/080	68	4.114-030.0	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.	☐
Classic rotary nozzle				
Rotor nozzle TR 080	69	4.119-026.0		☐
MULTIPLE-JET NOZZLES				
Angle vario nozzle 0°-90°				
Angled vario nozzle, 055	70	4.113-008.0	Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


71


72–73


74


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76–78


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82–83


84

		Order No.	Description	
STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE				
Steam nozzle				
Steam jet nozzle 50Degrees	71	4.116-001.0	50° flat jet for cleaning and thawing operations in steam mode, e.g. thawing sand and gravel, de-icing formwork, dewaxing vehicles.	☐
Steam jet nozzle 40Degrees, 085	72	2.114-009.0	Brass steam nozzle for operation of the HDS in steam stage.	☐
Steam jet nozzle 40Degrees, 090	73	2.114-010.0		☐
Rollover nozzle holder				
Owner of jets double brass	74	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				
Protection part TR only for replacement	75	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	76	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, ID 6, 20 m, max. 250 bar	77	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).	☐
Hose assembly TR pipe cleaning DN6 max.2	78	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 D21/090	79	4.765-003.0	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 D30/090	80	4.765-010.0		☐
Nozzle pipe cleaning size 100	81	5.763-088.0	Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	☐
Pipe cleaning nozzle	82	5.763-019.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
	83	5.763-016.0		☐
	84	5.763-021.0	30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐

☐ Available accessories.

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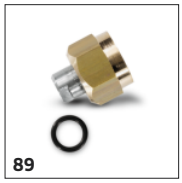
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1.071-916.0

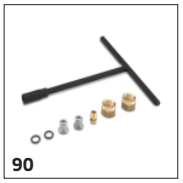

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		Order No.	Description	
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
Add-on kit hose attachment	85	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	☐
Add-on kit dirt trap	86	2.642-532.0	Galvanised steel 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	87	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				
Surface Cleaner FR 50 Me	88	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.	☐
Machine-specific nozzle kit for FR				
Nozzle kit for FR, 1100 Litres per hour – 1300 Litres per hour	89	2.639-188.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 080	90	2.642-982.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	☐
FRV 30 Me surface cleaner				
FRV 30 ME	91	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.	☐
Suction hose FRV 30 me	92	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐
Surface Cleaner FR 50 Me				
FRV 50 Me surface cleaner	93	2.111-024.0	Surface cleaning with automatic suction of the dirty water for very large surfaces – this means the FRV 50 Me. Hot water cleaning up to 85°C. The FRV 50 Me features a temperature-resistant 10 m polyurethane suction hose. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 2000 l/h / 85°C.	☐
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Advanced 3, 900 Litres per hour – 2500 Litres per hour	94	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 Litres per hour – 2500 Litres per hour	95	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 Litres per hour – 2500 Litres per hour	96	4.112-055.0	High-quality, simple and durable: Basic 3 cup foam lance for high-pressure cleaners with a flow rate of 900–2500 l/h. Halves the cleaning agent consumption while maintaining optimum foam quality.	☐
1-litre cleaning agent container for cup foam lance basic	97	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	98	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).	☐

☐ Available accessories.

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EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


99


100


101


102


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104


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108


109–110


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112

		Order No.	Description	
FOAM SYSTEMS				
Inno Foam Kit				
Inno foam kit with detergent injector	99	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.	☐
Inno foam kit	100	2.112-008.0		☐
Easy Foam Set				
Easy Foam Set with RM injector	101	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.	☐
Easy foam set	102	2.112-011.0		☐
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 110 Inno/Easy set 1000 – 1300 l/h	103	2.111-020.0	Nozzle kit 110 contains Kärcher power nozzles and nozzle inserts. For Inn/Easy-Foam set 1000-1300 l/h. For optimal foam system performance.	☐
Foam nozzle mounting kit				
Foam nozzle kit	104	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)	105	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
Detergent injector for high pressure	106	4.637-033.0	Cleaning agent dosage at high pressure 3 – 5 %	☐
Stainless steel injector kit for HDS 12/18-4S	107	6.645-763.0	The stainless steel injector is supplied as a kit with a suction hose and vacuum filter for the HDS 12/18-4 S High-pressure cleaner – fits on the high-pressure outlet of the machine.	☐
Machine-specific nozzle kit with order no. 3.637-170				
Nozzle insert trapezoidal thread	108	4.769-013.0	For HD/HDS 1000 – 1200 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Nozzle insert with order no. 3.637-001				
High pressure for units rated 1100 l/h or more	109	4.769-002.0	For high pressure with machines above 1.100 l/h	☐
Low pressure for units rated 1100 l/h or more	110	4.769-006.0	For low pressure with machines above 1.100 l/h	☐
COUPLING PARTS				
Rotary coupling				
Rotary coupling	111	4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	☐
Connector				
Nozzle connector/screw connector	112	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.	☐

☐ Available accessories.

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EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


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		Order No.	Description	
COUPLING PARTS				
Connector				
Y distributor	113	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	☐
Short spray unit	114	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	115	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	116	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	117	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter M22 – Swivel	118	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.	☐
Adapter 5 TR22IG-M22AG	119	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	120	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	☐
Adapter 7 M18IG-TR20AG	121	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	122	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Coupler -2xM22x1,5	123	4.111-037.0	Adapter 9 to connect the new hose with the new hose	☐
ADAPTER for replacement TR22IG-M22AG Er	124	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	☐
HOSE REELS				
Automatic, self-winding hose reels				
Automatic plastic hose reel incl. high-pressure hose, 15 Metre	125	2.639-257.0	Spring-mounted and ready-to-use automatic hose reel for wall mounting. Simplifies handling of the high-pressure hose, shortens set-up times and increases occupational safety.	☐
Automatic hose reel, powder-coated steel / plastic, 20 Metre	126	6.392-074.0	Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	☐

☐ Available accessories.

EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


127


128


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		Order No.	Description	
HOSE REELS				
Automatic, self-winding hose reels				
Automatic stainless steel / synthetic material hose drum, 20 Metre	127	6.392-083.0	Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	☐
Automatic hose reel, coated, 20 Metre	128	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	☐
Hose reel, automatic, basalt grey-coated, 20 Metre	129	6.392-105.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. For example: order no. 6.110-011.0 (ID 8, 20 m, 315 bar) or order no. 6.110-028.0 (ID 8, 20 m, 400 bar Longlife).	☐
Automatic hose reel, stainless steel, includes swivel holder, 20 Metre	130	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	☐
Automatic stainless steel hose reel, 40 Metre	131	6.392-442.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. Compatible high-pressure hose, e.g. order no. 6.110-076.0 (ID 8, 40 m, 400 bar, 1x hose reel connection attachment kit).	☐
Zinc-coated swivel holder	132	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.	☐
Stainless steel swivel holder	133	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.	☐
Automatic, self-winding hose reel attachment kit				
Attachment kit automatic hose reel HDS M/S	134	2.110-011.0	Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	☐
Attachment kit automatic hose reel holder HDS M/S	135	2.110-020.0	Holder includes connection material for installing an automatic hose reel to machines in the HDS Middle and Super classes.	☐
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Brush rigid hard	136	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 rigid middle	137	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 rigid soft	138	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 (1100-1300 l/h)	139	6.368-095.0	For water flow rates of 1,100–1,300 l/h: The 800-mm iSolar water-driven brush head with two contra-rotating disc brushes and flexible angle joint ensures that photovoltaic systems are given an even clean.	☐
iSolar 400 Advanced	140	6.368-093.0	The iSolar 400 water-driven disc brush (working width 400 mm) is designed for water flow rates of 1,100-1,300 l/h. For small to medium-sized photovoltaic systems (including elevated systems).	☐

☐ Available accessories.

KÄRCHER

EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


141


142–143


144–145


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148–14


151–153


154

		Order No.	Description	
FACADE AND SOLAR PANEL CLEANING				
Teleskopstangen				
Ball valve	141	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.	☐
Telescope lance glass fibre 7 m	142	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.	☐
Telescope lance hybrid 7 m	143	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.	☐
Telescope lance hybrid 10 m	144	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.	☐
Telescope lance carbon 10 m	145	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.	☐
Telescope lance carbon 14 m	146	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.	☐
Pistol	147	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	148	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	149	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	150	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.	☐
Schläuche				
iSolar HP hose 7	151	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.	☐
iSolar HP hose 10	152	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.	☐
iSolar HP hose 14	153	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				
iSolar fall protection	154	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.

KÄRCHER

EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


155–156


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168–169

		Order No.	Description	
WET BLASTING ATTACHMENT				
Wet blasting attachment (without nozzle)				
Wet blasting attachment with flow control (without nozzles)	155	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)	156	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 0070	157	2.112-027.0	Consisting of wet jet nozzle and nozzle insert – only for use in combination with wet jet unit 4.115-000.0 | 4.115-006.0.	☐
Boron carbide nozzle				
Boron carbide nozzle, for machines as of 1000 l/h	158	6.415-083.0	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				
Barrel cleaner BC 14/12	159	2.112-020.0	The BC 14/12 barrel cleaner is a spray unit for the interior cleaning of containers and barrels – especially oak barrels with a capacity of between 225 and 600 litres.	☐
Spray head HKF 30/14-E	160	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.	☐
Nozzle kit for HKF 50 spray head (3.631-009.0 / 3.631-039.0)				
High-pressure full jet nozzle 090 for interior cleaning heads	161	6.415-447.0	High-pressure full jet nozzle 090 for interior cleaning heads with a spray angle of 0°, made of hardened stainless steel and with 1/8-inch thread.	☐
Double handle for exact control of the spray head	162	2.863-036.0	Double handle. Precise control of the spray head	☐
1/8" screw plug for interior cleaning heads	163	5.411-061.0	Screw plug for high-pressure interior cleaning heads with 1/8-inch thread.	☐
ADD ON KITS				
Crane lifting kit				
Transport eyelet attachment kit	164	2.644-053.0	Robust transport eyelet attachment kit for the secure fixing of HDS Medium and Super Class pressure washers during transport.	☐
Flame monitoring attachment kit				
Flame monitoring attachment kit for HDS Middle and Super Class	165	2.641-796.0	More safety thanks to ABS HDS M/S flame monitoring system: A light sensor monitors the burner flame. The fuel supply cuts out automatically if the flame extinguishes.	☐
Accumulator kits				
Pressure tank attachment kit for HDS Middle and Super Class	166	2.641-803.0	The accumulator can be mounted on the HDS machine in order to dampen pressure surges, which conserves the machine's line system.	☐
Remote control set				
Remote control attachment kit for HDS Middle and Super Class	167	2.642-157.0	Remote control for the machines of the HDS Middle and Super class with the functions on/off, hot/cold water and cleaning agent on/off. For mounting to a wall.	☐
WATER CONNECTION				
Geka coupling				
Geka connector with hose barb, R 3/4"	168	6.388-455.0	with hose liner	☐

☐ Available accessories.

KÄRCHER

EQUIPMENT FOR HDS 12/18 4S EASY!
1.071-916.0


168–169


170


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172


174


175


176–177


178


179


180

		Order No.	Description	
WATER CONNECTION				
Geka coupling				
Geka connector with hose barb, R 1"	169	6.388-465.0	with hose barb	☐
Geka connector with internal thread, R 1"	170	6.388-458.0	with female thread	☐
Suction filter				
Water suction filter	171	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	172	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	173	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	174	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".	☐
Fine-mesh water filter, 100 µm, R 1"	175	2.638-270.0	Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	☐
Water supply hose				
Water supply hose	176	4.440-207.0	NW 19 R1" / R 3/4", up to 85 °C, for pick-up	☐
	177	4.440-270.0	NW 19 R1" / R1", up to 85 °C	☐
WASHING BRUSHES				
Push-on washing brush				
Push-on wash brush, M 18 × 1.5	178	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 > 1000 l/h machines, nylon bristles	179	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).	☐
Rotating wash brush for > 800 l/h machines, natural bristles	180	4.113-005.0		☐

☐ Available accessories.