HDS 9/50 DE TR1

Self-sufficient hot water, high-pressure cleaning at 500 bar pressure! The HDS 9/50 with powerful diesel engine and trailer base is the perfect choice for construction sites, in industry or in the municipal sector.

WORLD'S NO. 1 PRESSURE WASHER BRAND

DESIGN AWARD 2017

Made in Germany

Stage V

4–8 h

Order no.	1.524-521.2

- Automatic speed reduction
- Speed regulation
- Stationary and mobile versions available

Technical data

EAN code		4054278141640
Drive type		Diesel
Motor manufacturer		Yanmar
Motor rating	**kW / hp**	19 / 26
Flow rate	**l/h**	500 – 900
Pressure	**bar / MPa**	150 – 500 / 15 – 50
Consumption of heating oil in eco!efficiency mode	**kg/h**	7.5
Weight (with accessories)	**kg**	945
Dimensions (L × W × H)	**mm**	3635 × 1747 × 1730

This machine requires instruction.

Scope of supply

Spray gun: Industry

High-pressure hose: 30 m

Spray lance: 700 mm

Power nozzle

Equipment

Pressure adjustment over speed regulation

Easy operation

- The machine is easy to operate using a central selector switch.
- Easy to set up and dismantle thanks to two optional hose reels in the control area.
- Safe storage thanks to the ample storage options for protective gear, accessories and cleaning agents.

Self-sufficient application

- Large 500 l water tank for up to 30-minute cleaning applications with full water performance.
- With 100 l diesel tank – ideal for long work assignments.
- Powerful Yanmar diesel engines allow the machine to be used independently of any power source.

High flexibility

- Thanks to its configurability, each trailer can be custom-made according to customer requests.
- Available as Skid or Cab variant for mobile application as a trailer or as a stationary solution.

HDS 9/50 De Tr1, 1.524-521.2, 2026-10-02

ACCESSORIES FOR HDS 9/50 DE TR1
1.524-521.2

1

2–7

8

9

10

11–14

		Order no.	Description	
KITS				
Fleet mounting kit				
Attachment kit Plug-in Connect Module	1	2.644-391.0	The IoT module[1] is used to transmit information on the location and operating hours of battery-powered Kärcher cleaning machines and third-party devices to the equipment management system.	☐
ULTRA-HIGH-PRESSURE CLEANERS				
High-pressure hoses				
Pressure hose, 3 m, 640 bar, M22 × 1.5	2	6.391-856.0	650 bar, M 22 × 1.5.	☐
Pressure hose, 10 m, 640 bar, M22 × 1.5	3	6.391-848.0	650 bar, M 22 × 1.5	☐
Pressure hose, 20 m, 640 bar, M22 × 1.5	4	6.391-857.0	650 bar, M 22 × 1.5.	☐
Pressure hose, 30 m, 640 bar, M22 × 1.5	5	6.391-020.0	Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size M 22 × 1.5. Suitable for up to 640 bar working pressure.	☐
Pressure hose, 10 m, 620 bar, M22 × 1.5	6	6.391-846.0	650 bar, M 22 × 1.5	☐
Pressure hose, 20 m, 620 bar, M22 × 1.5	7	6.391-847.0	650 bar, M 22 × 1.5.	☐
Couplings and connectors				
Coupling	8	4.403-004.0	For joining and extending HD hoses. Connection 2 × M 22 × 1.5. Material: Stainless steel.	☐
Trigger guns				
Kärcher industry gun	9	4.775-824.0	650 bar – industrial spray gun with optimised flow. Robustness and durability for professional use. Food-safe and saltwater-resistant materials. Connector for HP hoses M 22 × 1.5.	☐
Shoulder support	10	2.639-251.0	Sturdy shoulder support that must be used from a recoil force of more than 150 N. Fits all Kärcher industrial lances.	☐
Spray lances				
Spray lance	11	4.760-679.0	With nozzle holder.	☐
	12	4.760-653.0		☐
Jet pipe complete 1550 mm 65 MPa	13	4.760-675.3		☐
Spray lance	14	4.760-677.0		☐

☐ Available accessories.

ACCESSORIES FOR HDS 9/50 DE TR1
1.524-521.2

15

16

17

19–21

22

23

24

25

26

27

28

		Order no.	Description	
ULTRA-HIGH-PRESSURE CLEANERS				
Pipe cleaning				
Foot valve for pipe cleaning	15	6.470-223.0	Foot valve for convenient and safe use of accessories for effective pipe cleaning.	☐
Pipe cleaning nozzle standard 030 50MPa	16	4.765-013.0	Standard pipe cleaning nozzle for pipe cleaning hoses with G1/4" threaded connection. Nozzle configuration: 3x backward.	☐
Pipe cleaning nozzle Four 030 50MPa	17	4.765-019.0	Quattro pipe cleaning nozzle (500/15) for pipe cleaning hoses with G1/4" threaded connection. The chisel point nozzle configuration is 3x backward and 1x forward.	☐
Pipe cleaning nozzle, Rotor	18	5.763-095.0	Rotor pipe cleaning nozzle for pipe cleaning hoses with G1/4" threaded connection. Nozzle configuration: 3x backward.	☐
Pipe cleaning hose	19	6.392-401.0	Flexible pressure hose (DN 8) for thorough pipe cleaning. 10 m long. Threaded connection for G1/4" nozzle.	☐
	20	6.392-402.0	Flexible pressure hose (DN 8) for thorough pipe cleaning. With threaded connection for G1/4" nozzle and 20 m long.	☐
	21	6.392-403.0	For through pipe cleaning: flexible, 30 m long pressure hose with threaded connection for G1/4" nozzle.	☐
Surface cleaner				
Surface Cleaner FRI 50 Me	22	2.643-577.0	Surface cleaner for efficient cleaning of surfaces up to 500 bar and hot water cleaning up to 100°C. 4 convenient steering rollers. Specific nozzle kits must be ordered separately.	☐
Nozzle package 015 FRI 50 Me	23	6.415-044.0	Nozzle kit specifically for FRI 50 Me Surface Cleaner. Nozzle size: 015.	☐
Abrasive blaster				
Adapter required for abrasive sprayer and TD 3000	24	5.401-325.0	M 20 × 1 IG to 9/16" UNF AG.	☐
Replacement nozzle for abrasive blaster	25	6.025-346.0	Replacement nozzle for abrasive spray head made from boron carbide. Colour blue.	☐
Nozzle F98 for abrasive blaster	26	6.025-256.0	0.6 mm	☐
NOZZLES				
Power nozzles				
Flat jet nozzle, 15030	27	5.765-164.0	15° flat jet nozzle 15030 for high-pressure cleaner HD 9/50. Suitable for working pressures of up to 500 bar and 900 l/h (electr., HDS trailer).	☐
Screw nozzles F21				
Dummy nozzle F21	28	6.025-237.0	F21 screw-on dummy nozzle. Suitable for working pressures of up to 3,000 bar.	☐

☐ Available accessories.

ACCESSORIES FOR HDS 9/50 DE TR1
1.524-521.2

29

30

31

32

33

34

		Order no.	Description	
NOZZLES				
Screw nozzles F21				
Round jet nozzle F21, Saphir, 0,7 mm	29	6.025-222.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.70 mm. Suitable for working pressures of up to 3,000 bar.	☐
ROTARY NOZZLES				
Single-jet rotary nozzles				
Tool for changing rotor seat	30	6.025-233.0	For F3, F4, F1, F25.	☐
Power Rotary Jet F8 030, 030, 1,05 mm	31	6.415-069.0	500 bar, 1.05 mm, 900 l/h, M 20 × 1, stainless steel.	☐
Power rotary jet repair kit F8	32	6.025-437.0	Repair kit for power rotary jet, order no. 6.415-915.0. Suitable for 500 bar pressure and 900 l/h water flow rate. Includes rotor, seat and O-ring (28 × 2).	☐
Multi-jet rotary nozzles				
Nozzle body	33	9.917-677.0	Rotary transmission lead-through with infinitely variable speed control. Includes protective pipe.	☐
Nozzle carrier head TD09	34	9.899-828.0	6-jet nozzle carrier head for F21 nozzle. Suitable for working pressures of up to 3,000 bar. 35° spray angle, includes guard and flow conditioner.	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	35	2.880-001.0		☐

☐ Available accessories.