Karcher HD 10/25-4 S

Kärcher HD 10/25-4 S Professional High-Pressure Washer User Manual

Model: HD 10/25-4 S | Brand: Kärcher

Product Overview

The Kärcher HD 10/25-4 S is a professional cold water high-pressure cleaner designed for demanding daily use. It features a robust three-phase drive, delivering impressive power with 250 bar pressure and a maximum flow volume of 1,000 liters per hour. Its upright construction ensures maneuverability and space efficiency. Key innovations like the EASY!Force high-pressure gun and EASY!Lock quick-release fasteners enhance user convenience and operational speed.

This machine is built for longevity, incorporating a cleaning agent-resistant brass cylinder head and stainless steel pistons with ceramic sleeves. It also includes an integrated electronics system for machine monitoring, providing automatic shut-off in case of low voltage, overvoltage, leaks, or phase failure.



Figure 1: The Kärcher HD 10/25-4 S high-pressure washer, showcasing its compact upright design and robust construction.

Safety Instructions

Always read and understand all safety warnings and instructions before operating the high-pressure washer. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Ensure the power supply matches the specifications of the machine.
- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and protective footwear.

- Do not direct the water jet at people, animals, or electrical equipment.
- Keep the work area clear of obstacles and ensure stable footing.
- Disconnect the power supply before performing any maintenance or cleaning.
- Do not operate the machine if the power cord or high-pressure hose is damaged.

Setup and Assembly

Before initial use, ensure all components are present and properly connected.

1. **Unpacking:** Carefully remove the high-pressure washer and all accessories from the packaging. Inspect for any shipping damage.
2. **Accessory Connection:** Connect the high-pressure hose to the machine's outlet and the EASY!Force high-pressure gun. Utilize the EASY!Lock quick-release fasteners for secure and fast connections.
3. **Water Supply:** Connect a suitable water supply hose to the machine's inlet. Ensure the water supply is clean and has adequate pressure.
4. **Power Connection:** Connect the power cord to a grounded electrical outlet that meets the machine's power requirements (three-phase).
5. **Detergent Tank (Optional):** If using detergent, fill the integrated or external detergent tank according to the detergent manufacturer's instructions.



Figure 2: Included accessories for the Kärcher HD 10/25-4 S, including the high-pressure hose, spray lance, and EASY!Force gun.



Figure 3: Detailed view of the water inlet and high-pressure outlet connections on the Kärcher HD 10/25-4 S.

Operating Instructions

Follow these steps for safe and effective operation of your high-pressure washer.

1. **Start-up:** Turn on the water supply completely. Ensure the high-pressure gun is pointed in a safe direction. Turn on the main power switch of the machine.
2. **Priming:** Squeeze the trigger on the high-pressure gun to allow air to escape and water to flow steadily. This primes the pump.
3. **Operation:** Once primed, the machine will build pressure. The EASY!Force high-pressure gun is designed to reduce holding force, making operation less fatiguing. Direct the spray lance at the surface to be cleaned, maintaining an appropriate distance to avoid damage.
4. **Adjusting Pressure:** If your model features Servo Control, adjust the pressure directly on the spray lance or machine as needed for different cleaning tasks.
5. **Detergent Application:** If using detergent, activate the detergent function on the machine or lance. Apply detergent evenly and allow it to dwell as per instructions, then rinse with clear water.
6. **Shut-down:** Release the trigger on the high-pressure gun. Turn off the main power switch. Turn off the water supply. Squeeze the trigger again to release any remaining pressure in the system.



Figure 4: Operator cleaning a concrete mixer on a construction site using the Kärcher HD 10/25-4 S.



Figure 5: High-pressure cleaning of an industrial floor, demonstrating the machine's suitability for demanding indoor environments.



Figure 6: The Kärcher HD 10/25-4 S being used with an external detergent tank for enhanced cleaning capabilities.



Figure 7: An operator cleaning a large facility, highlighting the machine's efficiency for extensive cleaning tasks.



Figure 8: The Kärcher HD 10/25-4 S effectively cleaning tracks of heavy machinery, showcasing its power for tough dirt.

Maintenance and Storage

Regular maintenance ensures the longevity and optimal performance of your high-pressure washer.

- **After Each Use:**
  - Flush the system with clean water to remove any detergent residue.
  - Clean the exterior of the machine with a damp cloth.
  - Inspect the high-pressure hose and power cord for any signs of damage.
- **Nozzle Cleaning:** Regularly check and clean the nozzle to prevent blockages and maintain spray pattern integrity.
- **Water Filter:** Inspect and clean the water inlet filter periodically to prevent debris from entering the pump.
- **Frost Protection:** If storing in an area where temperatures may drop below freezing, ensure the machine is completely drained of water or protected with anti-freeze solution to prevent damage.
- **Storage:** Store the high-pressure washer in a dry, protected area. The upright design and large wheels facilitate easy maneuvering and storage.

Troubleshooting

This section provides solutions to common operational issues. For more complex problems, contact authorized service personnel.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No water pressure	Insufficient water supply, clogged inlet filter, air in pump.	Ensure water tap is fully open. Clean inlet filter. Prime the pump by squeezing the trigger with water supply on.
Motor stops frequently	Overheating, low voltage, leak in system.	Allow machine to cool. Check power supply for stable voltage. Inspect hoses and connections for leaks.
Pulsating pressure	Air in pump, restricted water flow, worn nozzle.	Bleed air from pump. Check water supply. Clean or replace nozzle.
Detergent not dispensing	Detergent tank empty, clogged detergent line, wrong pressure setting.	Refill detergent tank. Clear any blockages in the detergent line. Ensure machine is in low-pressure mode for detergent application.

Technical Specifications

Specification	Value
Model	HD 10/25-4 S
Manufacturer	Karcher
Maximum Pressure	250 Bar
Maximum Flow Rate	1000 Liters Per Hour
Power Source	Corded Electric (Three-phase)
Motor Power	9200 W
Hose Length	10 Meters
Item Weight	74 Kilograms
Package Dimensions	109 x 56 x 50 cm
Color	Blue
Included Components	Full Accessories
Specification Met	CE

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