



makes a difference



## HOT WATER HIGH-PRESSURE TRAILERS

Outstanding mobility and reliability on two wheels



# **A NEW CONCEPT THAT'S ON THE MOVE.**

The new configurable hot water high-pressure trailers combine extraordinary mobility with maximum user-friendliness to create an innovative machine concept. HDS Trailers - the ideal solution for the municipal sector, industry and construction.





## ONLY THE VERY BEST

The new HDS Trailers put powerful hot water high-pressure technology on the move, and can even be used in places without electricity or water supply. Durability, reliability and efficiency are the watchwords of this design. Many components are identical to those used in the tried-and-tested HDS model series. The machine is very easy to use and, thanks to its configurability, each HDS Trailer can become a tailor-made machine.

## INDEPENDENCE



**Powerful and reliable Yanmar diesel engines allow the machine to be used independently of any power supply. The HDS Trailer contains everything you need to take care of the cleaning task at hand: water, cleaning agents and accessories.**

The large integrated water tank allows independent cleaning at full power for up to 30 minutes, and up to an hour with reduced water flow. The machine features a large fuel tank for long periods of uninterrupted use:

- 500 litre water tank
- 100 litre fuel tank
- 19 kW Yanmar diesel engine

## FLEXIBILITY



**Each HDS Trailer can be individually configured to suit customer requirements. For example, instead of the trailer option, customers can opt for a platform that can be transported by forklift.**

Intended use and available vehicle fleet will determine whether the HDS Trailer is best supplied with or without an axle. This is why the platform versions Skid or Cab have been created, for example for use on load platforms in a static position on site, or installed within an existing vehicle.

- Skid: HDS on a frame base, without cover or water tank
- Cab: HDS on a frame base, with cover and water tank
- Trailer: HDS on a chassis, with cover and water tank

## EFFICIENCY



**The combination of effective Kärcher burners, highly efficient heat exchangers and the eco!efficiency mode noticeably decreases fuel use and reduces emissions to a minimum.**

HDS Trailers automatically switch off after being on standby for 45 minutes to conserve fuel. If the high-pressure gun is not activated, the engine speed automatically reduces to lower volume and fuel consumption.

- The heat exchangers use waste heat from the motor to preheat the water, allowing a fuel saving of up to 14%.
- When the Kärcher eco!efficiency mode is enabled, water temperature is limited to 60°C. This is entirely sufficient for most applications and measurably reduces fuel consumption.

## EASE OF USE



**The machine is as easy and convenient to use as all Kärcher HDS with EASY Operation.**

The machine is operated using just one turn switch, making it impressively easy to use and reducing the risk of incorrect operation to an absolute minimum.

- Hose reels for the water connection and the high-pressure hose reduce work time and ensure the machine can be safely stowed away.
- Accessories, tools, cleaning agents and anything else required for the cleaning task can be safely stored in the spacious storage compartments.

## RELIABILITY



**HDS Trailers are designed for daily use and built to last as standard. They are manufactured using many tried-and-tested Kärcher components – particularly burners, pumps and control electronics.**

Numerous safety functions protect against damage in the case of an error, for example the water shortage safeguard prevents the pump from running dry. The frost protection protects the machine in cold exterior temperatures. The water softening protects the heating coil against harmful lime deposits.

## LOW MAINTENANCE



**Every machine needs regular service. For each Kärcher HDS Trailer, an individual service package is available that is tailored to meet specific demands.**

The large machine cover, under which all important components are positioned in an easily accessible way, and the use of tried-and-tested components make life easier for the Kärcher service technicians.

- Sophisticated service list for quick diagnosis
- Individual service packages available



# HDS TRAILERS IN MUNICIPALITIES

High-pressure cleaning is a standard procedure in the municipal sector. The diversity and geographical distance between possible applications demands far more from suitable cleaning machines than simply providing water at high pressure. Mobility and independent use are important plus points for the HDS Trailer series.



**The municipal sector presents countless cleaning tasks that HDS Trailers are specially designed to address.**

The cleaning of facilities in the public sector alone offers endless possible uses, let alone transport infrastructure, buildings, parking areas and specific applications.



- 1 Cleaning public areas**  
such as public amenities, waste containers, open spaces, playground apparatus
- 2 Cleaning transport infrastructure**  
such as roads, tunnels, traffic lights and signs
- 3 Cleaning multi-storey car parks**  
such as barriers, floors and walls
- 4 Cleaning building exteriors**  
such as walls, doors, roofs and portals
- 5 Specialised cleaning**  
such as complete removal of graffiti and chewing gum



# HDS TRAILERS IN THE CONSTRUCTION INDUSTRY

Construction sites call for mobility and high power in equal measure. Pressure and water volume are vital to help remove even the most stubborn dirt. And it's equally important to be able to access the cleaning area with ease.





**HDS trailers can be used for a diverse range of industrial of cleaning and restoration applications.**

Stubborn dirt not only accrues during many construction process, oftentimes it must be removed before construction work can start. In any application, HDS Trailers are characterised by their mobility, power and reliability.



- 1** Facade cleaning and restoration  
such as soot, grease and bird droppings
- 2** Cleaning construction vehicles and equipment  
such as scaffolding, cement mixers and casings
- 3** Restoring monuments
- 4** Restoring buildings after fire damage

# MAXIMUM FLEXIBILITY THROUGH CONFIGURATION

## Performance classes and accessories

### HDS 9/50

500 bar

900 l/h

With optional automatic pressure relief

### Accessories

30 metre high-pressure hose

High-pressure gun

Flat jet nozzle

Spray lance

### HDS 13/35

350 bar

1,300 l/h

With optional automatic pressure relief

### HDS 17/20

200 bar

1,700 l/h

### HDS 13/20

200 bar

1,300 l/h

### Hose reel

High-pressure hose reel

Water inlet hose reel



## Mobility

### Skid

Stationary frame base with forklift pockets

Without water tank

Without cover

### Cab

Stationary frame base with forklift pockets

Integrated 500 litre water tank

With cover

### Trailer

Mounted on a chassis

Integrated 500 litre water tank

With cover

With optional shock absorber



Model	HDS 9/50 De	HDS 13/35 De	HDS 17/20 De	HDS 13/20 De
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|--|--|--|--|
| <ul style="list-style-type: none"> <li>■ Speed reduction</li> <li>■ Speed control</li> <li>■ Available as trailer or stationary</li> </ul> | <ul style="list-style-type: none"> <li>■ Speed reduction</li> <li>■ Speed control</li> <li>■ Available as trailer or stationary</li> </ul> | <ul style="list-style-type: none"> <li>■ Speed reduction</li> <li>■ Cleaning agent dosing system</li> <li>■ Servo control</li> </ul> | <ul style="list-style-type: none"> <li>■ Speed reduction</li> <li>■ Cleaning agent dosing system</li> <li>■ Servo control</li> </ul> |
|--|--|--|--|

### Technical data

Engine manufacturer		Yanmar	Yanmar	Yanmar	Yanmar
Fuel		Diesel	Diesel	Diesel	Diesel
Motor rating	<b>kW</b>	19	19	19	19
Flow rate	<b>l/h</b>	500-900	650-1,300	900-1,700	900-1,300
Working pressure	<b>bar / MPa</b>	150-500 / 15-50	100-350 / 10-35	60-200 / 6-20	60-200 / 6-20
Max. temperature	<b>°C</b>	85 / 98	85 / 98	80 / 98	85 / 98
Net weight	<b>kg</b>	950	950	950	950
Dimensions	<b>mm</b>	3,646 × 1,747 × 1,735	3,646 × 1,747 × 1,735	3,646 × 1,747 × 1,735	3,646 × 1,747 × 1,735
Diesel consumption, full load	<b>kg/h</b>	9.7	12.4	11.8	11.3

### Accessories (optional)

Spray gun		Industrial trigger gun	Industrial trigger gun	Easy Press	Easy Press
High-pressure hose	<b>m</b>	30	30	30	30
Spray lance	<b>mm</b>	700	700	1,050	1,050
Power nozzle		■	■	■	■
Servo control		-	-	■	■
Pressure adjustment via speed regulation		■	■	-	-
<b>Order No.</b>		<b>1.524-521.2</b>	<b>1.524-521.2</b>	<b>1.524-520.2</b>	<b>1.524-520.2</b>

■ Included in the scope of delivery

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