



*Cleaning Technology - Municipal Technology*

# **Hako**

*Clean ahead*

**Made in Germany**



## **Citymaster 1250/1250C**

*The all-round talent for cleaner, greener cities*

## More area coverage



### Vacuum system and central suction

The vacuum system in the Hako-Citymaster 1250C is quieter and more powerful than conventional suction turbines. In conjunction with the short, straight and central vacuum path through the vehicle, downtimes due to blockages are reduced to a minimum. The hopper filling method is particularly effective – resulting in longer periods between emptying and increased load capacity. The high levels of wear to turbine blades during work deployment of conventional vacuums and complicated cleaning of the turbine on completing the work is dispensed with due to the principle of operation.



### 1) Lawnmower

The flexibly attached lawnmower with rear discharge and 150 cm working width can deal with practically all types of terrain. The central vacuum enables working close to borders on both sides.



### 2) 1,100 litre vacuum hopper

Equipped with hydraulic high dump up to 1.95 m and high material compression for optimum exploitation of the load volume.

## Technical data

Technical data, Citymaster 1250/1250C basic vehicle	
<b>Engine and Transmission</b>	
Engine	<ul style="list-style-type: none"> <li>Water-cooled 4-cylinder YANMAR diesel engine with 2,359 ccm</li> <li>Power output of 35.4 kW at 3,000 rpm, adjusted to 33.0 kW at 2,600 rpm</li> <li>Direct fuel injection</li> <li>60 litre tank volume</li> <li>Engine is below the limit values complying with the European Exhaust Emission Standard 97/68 EU Stage IIIa</li> </ul>
Approval	<ul style="list-style-type: none"> <li>EU type approval, basic machine as tractor</li> </ul>
Drive	<ul style="list-style-type: none"> <li>Hydrostatic drive with hydraulic gear reduction and all-wheel drive</li> <li>Drive control with automatic load regulation in transport and work modes of specifying the engine speed (nose liftation)</li> <li>Differential lock (Option for 1250)</li> </ul>
Device drives	<ul style="list-style-type: none"> <li>2-circuit high pressure hydraulics, 165 bar</li> <li>Circuit 1 can be regulated, 0-22 l/min</li> <li>Circuit 2 is constant, 46 l/min</li> <li>Additional equipment for multipurpose deployment of 1250C</li> </ul>
<b>Driving and Work Characteristics</b>	
Speed	<ul style="list-style-type: none"> <li>Driving speed, automotive 0-30 kph</li> <li>Work mode, hydrostatic 0-16 kph</li> <li>Reversing 0-12 kph</li> </ul>
Chassis and steering	<ul style="list-style-type: none"> <li>Tubular steel, hydraulic articulated, 4-wheel chassis</li> <li>Integrated and damped floating axle compensation for optimal curb climbing ability</li> </ul>
Brakes	<ul style="list-style-type: none"> <li>Multiple safety brake system with hydrostatic brake via drive</li> <li>Additional hydraulic service brake via foot pedal</li> <li>Mechanical parking brake</li> </ul>
Tyres	<ul style="list-style-type: none"> <li>195 R 14C (standard), 215/85 R 15 (comfort tyres)</li> <li>26.00 x 32.00 - 12 (grass tyres), special tyres on request</li> </ul>
Driver's cab	<ul style="list-style-type: none"> <li>Single seat comfort cab with airprung seat, adjustable to the driver's weight</li> <li>Ergonomic arrangement of operating elements</li> <li>Adjustable steering column</li> <li>Hot water heater and optional air-con unit</li> <li>Framed doors with sliding windows</li> <li>Folding wing mirrors, adjustable from inside</li> </ul>
<b>Load Values</b>	
Permissible total weight	2,600 kg
Permissible axle load	1,500/1,600 kg (front/rear)
<b>Dimensions</b>	
H/D/L	Basic machine: 1,929 mm (cab) x 1,193 mm (standard tyres) x 3,255 mm Sweeper: 1,999 mm (cab) x 1,193 mm (standard tyres) x 3,959 mm
Wheelbase	1,430 mm
Track width	984 mm

We reserve the right to make technical improvements to machines with regard to shape, colour and design without notice. Illustrations could contain optional equipment.

# Hako

Clean ahead



#### **Hako: environmentally friendly from the start**

We want to leave the earth clean. Therefore, treating resources, the environment and climate with consideration influences all our business activities. This has been confirmed to us by independent institutes. More on our commitment can be found at [www.hako.com](http://www.hako.com)

#### **Close to you wherever you are**

Our unsurpassed, close knit sales and service network means we are always close by to provide help fast throughout Europe.

#### **Cleanliness with safety**

Our machines fulfil the highest demands. Reliability through quality "Made by Hako".

#### **Sales, hire, leasing, rental**

We can offer you a widerange of individual, attractive financing options.

#### **We are there for you day and night**

Round-the-clock service and express parts delivery ensure the highest levels of availability.



DIN EN ISO 9001

DIN EN ISO 14001

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The Citymaster 1250/1250C for all-year deployment in municipalities

## *As versatile as life in the city*



*There's a lot to do in city areas. The Citymaster 1250/1250C can complete your tasks efficiently and economically!*

### **Efficiency in use**

The Hako-Citymaster 1250 does not only leave a clean impression in urban areas but also ensures tidy figures in the balance sheet. In conjunction with a perfectly fitting range of accessories, the vehicle can cope with the work at hand quickly, comfortably and ecologically. It is operated intuitively without presenting the driver with a series of puzzles. This means that safe operation of the Hako-Citymaster can be learned quickly and drivers can concentrate on what's important – trouble-free completion of their work.

### **Economic efficiency**

The versatility, robust design and maintenance-friendly construction ensure long-term low operating and service costs. In this way, Hako quality pays off in a short time. A wide range of optional equipment guarantees a tailor-made function and performance package right from the start. We can also provide attractive financing options. Simply ask your local Hako sales and service partner about seasonal hire, for example, to achieve the highest levels of flexible deployment or to cover work peaks and enjoy full cost transparency.

### Versatile use and performance

Utilization without any compromises in respect of the individual functions: You can equip your Hako-Citymaster 1250 individually. As a result, it is always optimally tailored to fulfil your needs and you only pay for that what you really need. Easily accessible components reduce the daily time necessary for servicing and increase the efficiency of the Hako-Citymaster 1250 still further. Maintenance work on the engine compartment and radiator, for example, can be completed quickly and easily at any time because they are easy to access through the wide opening loading platform and dirt hopper or rear door. The Hako-Citymaster 1250 also scores in respect of its long service life because its robust design, in conjunction with regular servicing by the Hako service organisation, ensures a long working life!



#### For maximum sweeping performance: The Citymaster 1250

- Large-sized circular brushes sweep the waste to the central vacuum nozzle from which it is fed into the dirt hopper by a powerful, quiet, suction fan
- Freshwater jets, circulating water system and effective waste discharge in the hopper ensure minimum emissions of dust
- Effective sound insulation and exhaust air emission reduce environmental pollution, optionally for use at night too

#### For thorough wet cleaning: The Citymaster 1250 CityCleaner

- 3 circular brushes can clear up the most stubborn dirt, the waste water is drawn up by a high performance squeegee and sucked into the tank
- Fresh water or recycling mode and a large selection of brushes enables perfect results of cleaning on all surfaces
- Easy to dose cleaning agents for outdoor use
- Also designed to clear up oil, tested in accordance with DWA-M-715

#### For snow-covered and icy paths: The Citymaster 1250C Winter service

- A range of front attachments are available with which to sweep or clear snow for flexible adaptation to seasonal and local conditions
- Rear attachment sand or grit spreaders for the individual spreading of sand, salt or granulate on paths and ground surfaces
- Brine spraying system with a 500 l tank to apply brine in places where conventional de-icing agents cannot be used

#### For keeping lawns in trim: The Citymaster 1250C Lawn maintenance

- The combined mowing and vacuuming system is designed to meet the highest demands and high compression in the hopper.
- Central suction enables working close to borders on both sides and high-dump facility up to 1.90 m
- Lawn mower attachment (working width up to 1.80 m, rear and side discharge) and rear discharge mower for use over large areas (up to 2.50 m working width)
- Flail mower with side adjustment for areas and paths used less frequently (1.40 m working width)

*The Hako-Citymaster1250/1250C: The sweeper with enhanced value*

## *Performance meets environmental protection*



### *The versatile solution for a clean city*

#### **The concept**

The Hako-Citymaster 1250 is the ideal solution for the most diverse usage in confined spaces. The chassis with articulated joint and integrated floating axle compensation keeps the vehicle on track to ensure safe driving in all situations even with heavy loads and also provides high levels of maneuverability and flexibility of use both on curbs or on open terrain. The powerful drive, with all-wheel drive in work mode, can be supplemented by the differential lock option.

#### **Operation and comfort**

Operation of the Hako-Citymaster 1250 is particularly easy. The driver has an excellent view of the work area and can concentrate fully on the job assigned. The efficient heating system and optional air-con unit together with the standard comfortable seat and low

noise level provide high levels of comfort in all seasons. Two quality doors enable entry and exit on both sides, the integrated sliding windows enable individual ventilation.

#### **Drive**

The heart of the Hako-Citymaster 1250 is the environmentally friendly, powerful diesel engine with direct injection. Low consumption and emission values (97/68/ EU Stage IIIa) and the low-noise cooling air feed mean it is also perfect for use in city centres and pedestrian precincts. The easy-to-connect and efficient hydraulic system assumes the noise-damped drive of attachment devices and accessories.



### Type selection

The Hako-Citymaster 1250 is available in two different models: The the Hako-Citymaster 1250, a single-purpose vehicle, and the Hako-Citymaster 1250C, a multipurpose vehicle. The 1250 single-purpose model is ideal for pure sweeping tasks or wet cleaning (with additional options) and represents an economic basis. The multipurpose 1250C model represents an excellent basis from which to complete other work beyond the scope of pure sweeping tasks. The multipurpose model can also be equipped with additional options for wet cleaning.

### 1) Convenient, well-arranged workplace

Comfortable cab with clear view of the work area, low noise levels

### 2) Comfortable and untiring work

Air-sprung driver's seat, well-arranged operating controls and indicators

### 3) Comfortable cab

ROPS tested driver's cab with framed doors, sliding windows and heater; air-con unit option

### 4) Powerful, large volume diesel engine

Simple access for daily maintenance

### 5) Versatile drives

Powerful hydraulic system with clean, easily operated connections



The Hako-Citymaster 1250: The uncompromising sweeper

## *Sweeping can be this efficient and quite today*



### *Power meets environmental protection – an exciting pair*

#### **First class sweeping results**

The Hako-Citymaster 1250 provides excellent sweeping results. Large, adjustable brushes and a powerful suction turbine can cope with large amounts of waste. The articulated steering keeps the vehicle on track ensuring that the driver only needs to concentrate on the sweeping function. The 1 m<sup>3</sup> dirt hopper enables a broad working range and efficient, long operating times. The high dump and particularly easy cleaning on completing work save time and money.

#### **Environmentally friendly sweeper**

The extensive water system ensures a optimal binding of dust and clean exhaust air (EUnited PM10 certificate). The feed of fresh water to the brushes and suction duct as well as a continuously operating circulating water system give dust no chance. The exhaust air is fed over the hopper lid and is noise insulated meaning that the environment and pedestrians are disturbed as little as possible. If the optional additional insulation is installed, the vehicle can also be used at night in noise-sensitive areas – even outside the time restrictions laid down by the Machine Noise Prevention Regulation (32. BImSchV, § 7 etc.).



**1) Sweeping unit**

Hydraulically adjustable, large circular brushes and collision protected vacuum nozzle with coarse material flap

**2) Dirt hopper**

Dirt hopper (1 m<sup>3</sup> rated volume) and integrated recirculating water system with large filter

**3) Water tank**

For 180 l fresh water to bind dust reliably

**4) High dump**

Equipped with a wide-opening hopper cover up to 1.40 m; easily cleaned due to smooth wall design flap

**5) Hand-held suction hose**

Enables uncomplicated cleaning of areas difficult to access

**6) Optional accessories**

Hydrant connections and filling hose as well as integrated high-pressure washer

Wet cleaning with the Citymaster 1250 CityCleaner

## *Provides particularly thorough results*



*The Hako-Citymaster 1250 CityCleaner –  
when sweeping is not enough*

### **Wet cleaning**

The Hako-Citymaster 1250 CityCleaner is put to use when dirt or fine dust is stuck to surfaces and must be cleaned up effectively. Equipped with a single front attachment unit for universal application, it enables perfect wet cleaning on all smooth, high quality surfaces and even on running tracks. 3 flexibly attached brushes with selectable fresh or recycled water and carefully selected cleaning agents then go to work on the stubborn dirt. The speed and pressing force can be adjusted and adapted to any cleaning task. The waste water and even coarse dirt are vacuumed up by the powerful suction system. The water recycling system with filter system enables particularly long operating times and also reduces water consumption.

### **Clearing up oil**

The Hako-Citymaster 1250 CityCleaner can also clean up oil smears efficiently and reliably. You can dispense with the need for time-consuming use of oil binding agents and subsequent use of a sweeper. The specially prepared Hako cleaning agents ensure the necessary friction value for immediate authorisation for use of the public road following completion of the wet cleaning; certified independent of and in accordance with DWA-M-715.

## Versatile and always available for use



### All-round vehicle for use throughout winter!

When accordingly equipped, the Hako-Citymaster 1250G can also be used as a utility vehicle for a range of purposes throughout the winter. Its maneuverability, easy handling and comprehensive range of accessories mean it can be planned for various uses. The transport volume of up to 400 l road grit or 500 l brine ensure long periods of operation and that treated paths can be used without risk!



### The right front attachment for all usage

Snow can be cleared reliably either with the front sweeping unit (1), snow plough or snow blower (2)

### Flexibility to clear ice

Rotary spreader for paths, centrifugal spreader (3) for larger surfaces, combined spreader or brine spraying system (4)