Cleaning Technology Municipal Technology Waterjet Technology





### Citymaster 650

## Designed to provide maximum flexibility

Multifunctional city cleaning machine in the 2-t class





## Freedom through flexibility

Working in the city comes with a wide range of different demands posed on Municipal Technology equipment – and these demands change with the seasons. The Citymaster 650 meets all seasonal requirements with its small vehicle width, directionally stable steering and a small turning circle ensuring excellent manoeuvrability in confined areas. In addition, the vehicle's multifunctional design ensures economically efficient use all year round.



#### Quickly off to the next job site

With its top speed of 25 km/h, the Citymaster 650 is fast enough to travel to the next nearby job site on its own axles – and compact enough to be transported on a trailer in order to cover larger distances.





### Adapts perfectly to its surroundings

in work mode and during road travel.

Urban furniture, flower beds and narrow passages are obstacles we often see in public areas. With its small turning circle of only 139 cm and independently controlled sweeping units, the Citymaster 650 overcomes these obstacles easily. Even kerbs as high as 150 mm are no problem at all for this machine thanks to its permanent all-wheel drive with fully electronic control system. When working in ECO mode, a standard feature which is not only good for the environment but also for applications in noise-sensitive areas, the Citymaster 650 works at 85 % of its maximum performance capacity and saves up to 40 % of fuel. The extended sound insulation package, available as an option for the basic unit, reduces noise emissions even further.



# Multipurpose use through multifunctionality

The Citymaster 650 is a versatile implement carrier and professional sweeper all in one. Thanks to four attachment interfaces allowing the combined use of different attachments and superstructures, the machine can carry out a wide range of additional tasks: for example winter service, green area maintenance or wet cleaning tasks. You only need one machine instead of several special vehicles - which is both more efficient and economical.

Transport



Weed removal

Wet cleaning

Pick-up Gritting Gritting Pulling Spraying



Quickly ready for use: Thanks to the quick-coupling triangle allowing easy and back-friendly changing of attachments without



the need for tools.





Leaves blowing



























Reflector post

























### Four seasons – one Citymaster!

Each season comes with different challenges for Municipal Technology products. Hako masters each challenge with consistent multifunctionality. You only need one machine to carry out almost any task - 365 days a year. At Hako, we call it "One for All". And our customers say: the right machine for every application.



Sweeping is one of the main tasks in the field of Municipal Technology. The Citymaster 650 carries out all sweeping tasks rapidly, reliably and efficiently: thanks to its hydraulically driven 2-broom sweeping unit, quick-change suction duct and Intelli-Flap® coarse dirt flap. The machine's patented circulation water system provides maximum dust control - and ensures clean exhaust air and lowest possible dust and fine particulate emissions.



for a clean city

#### Safe roads and paths in autumn

Leaves and twigs can make roads and paths slippery and thus become a menace to road users. For municipal service providers, this means regular sweeping also in autumn. Equipped with a powerful and efficient sweeping/suction combi device, the Citymaster 650 reliably removes autumn leaves and dirt from public roads, paths and squares.





Weed control without the use of chemicals: with a weed broom providing fast and easy mechanical removal and collection of weeds.

**EU**nited

Expert in the field of green area maintenance: for example with a hedge trimmer or a sprinkler system to water flower beds, bushes and trees.

#### One hopper for every purpose

The universal hopper made of seawater-resistant aluminium alloy can be used for a wide range of different applications: e.g. for sweeping tasks or to collect grass and leaves - at maximum payload. Emptying the hopper is particularly easy thanks to the hydraulic tipper function which automatically opens the hopper lid.







As a versatile implement carrier, the Citymaster 650 is always in season. Changing the attachments only takes minutes, which allows for several different applications to be carried out in just one day: for example maintaining green areas in the morning and sweeping paths in the afternoon – all with one and the same hopper. For superior cleanliness and economic efficiency in every season.

#### The lawn specialist

In combination with different mowers, grass collecting systems and flail mowers, the Citymaster 650 ensures flexible use for green area maintenance tasks in the gardening & landscaping sector. Together, the large universal hopper and the Citymaster 650 equipped with a mowing/suction attachment combi form a powerful team for efficient green area maintenance. Thanks to the central suction system, working close to kerbs and edges is possible on both sides of the machine.

### The winter specialist

Especially in the cold season, the Citymaster 650's excellent manoeuvrability, ease-of-use and high transport capacity come into full effect. Thanks to the front attachment system providing the flexible use of a wide range of different attachments, the Citymaster 650 ensures clear roads and paths in the winter: with a front sweeper for reliable snow sweeping or different snow blades and a snow blower for safe snowploughing. In addition, the machine efficiently fights black ice: with a cylindrical gritter for footpaths, a combi gritter for larger areas, or a brine spraying system.

11





A spacious, ergonomic workplace facilitates long working days. In this respect, the Citymaster 650 sets a best-practice example: with extended and individually adjustable seat options as well as a comfort steering column adjustable in height and length. During road travel, the driver benefits from the machine's fully electronically controlled ground drive. In addition, both the cruise control and the directionally stable steering with articulated joint improve the vehicle's driving characteristics. And to ensure that work runs smoothly for the machine operator, a powerful heating system with optional air conditioning ensures pleasant temperatures in the cabin.

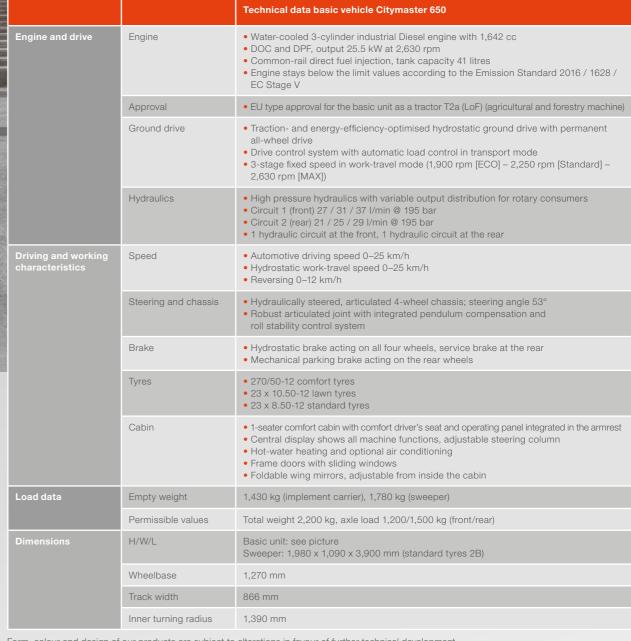
#### Safety on the road

The large ROPS-tested comfort safety cabin with two doors and large windows ensures maximum visibility on all sides. In addition, a full LED lighting system and LED work lights are optionally available to give the driver a clear view onto his work environment at all times. A dual rear view camera provides additional safety. Both the windscreen wash/wiper system with interval switching and heated wing mirrors ensure a clear view even in wet conditions. The vehicle is equipped with an acoustic reversing signal to warn pedestrians, and an additional service brake provides even more safety on the road. And a USB charging socket for two mobile devices ensures that data communication is possible at all times.

13

12

## Technical data





Form, colour and design of our products are subject to alterations in favour of further technical development. Pictures may show optional equipment.



helps you to use and manage your fleet efficiently. All evaluations are available online 24/7, and are easy to retrieve thanks to the system's intuitive user interface.



Optimise your resources:

Hako-Fleet-Management

includes all information collected by view.X, and, in addition, transmits relevant fleet operating data in real time for visual processing in the web portal which provides a good basis for performance records.



The larger the number of machines in your fleet, the more important it is to have

offers you a digital solution to keep your fleet of machines reliably under control -

available around the clock, and on all web-based systems. To ensure optimum

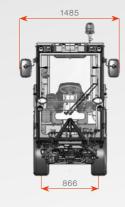
operation, the system can be customised by individually combining the four

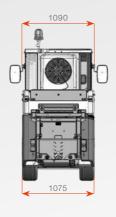
a good overview of all relevant key data. With Hako-Fleet-Management, Hako

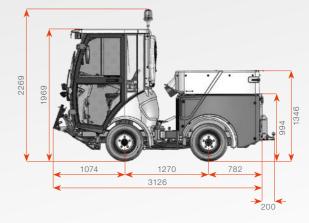
Our optional electronic machine access authorisation tool enables the fleet manager to set up access accounts for authorised users.



This interface allows authorised third-party suppliers of telemetric systems local access to raw operating data directly at the machine.















Cleanliness combined with safety: Our machines meet the highest requirements.



## Service Excellence

#### Full availability, full security

Permanent machine availability, minimal downtimes and maximum economic efficiency: thanks to a close-knit sales and service network. 650 service technicians are on call for you 24/7 throughout Europe. In addition, we offer you efficient and reliable spare part delivery as well as digital service solutions such as the service QR code you'll find on each of our machines.

### **Attractive financing alternatives**

Our customers benefit from a complete package of efficient machines and excellent services at fixed, predictable ownership costs over the entire lifecycle – tailored to your individual requirements and with maximum flexibility.



Leasing options – tailored to individual customer requirements.



Rental agreement ALL-IN-plus: financing, maintenance and insurance, all inclusive!



Hire purchase – specified monthly payments, adapted in line with your liquidity.



Seasons – rental payments adapted to season-related sales fluctuations.

Hako GmbH Hamburger Str. 209-239 23843 Bad Oldesloe Tel. +49 (0) 4531-806 0 info@hako.com www.hako.com



Partner of the Engineering Industry Sustainability Initiative Blue Competence is an initiative of VDMA (www.vdma.org). By engaging in this partnership, we are committed to comply with the twelve sustainability principles applied in the field of mechanical and system engineering (www.bluecompetence.net/about).