



**New 2- or 3-broom comfort  
sweeping technology**

**Smallest turning circle in its class**

**Increased driving and operating  
comfort**

# Citymaster 1650



This professional, compact city cleaning machine with added benefits sets new standards in the 3.5-t class: for example with its articulated steering and permanent all-wheel drive, hydraulic attachment drives and full-suspension chassis. And it offers a comprehensive range of innovative features providing increased working comfort, safety and efficiency – whether used exclusively as a compact city sweeper or as a versatile implement carrier for all-season municipal application.

- **Can be driven by anyone holding a Class B driving licence**
- **Low consumption and emission values**
- **Efficient hydraulic attachment drive**
- **Spacious cabin, increased ergonomics at the workplace**
- **Full LED lighting system plus LED work light**

## The premium solution for highest demands

### For the operator

More driving- and operating comfort: AGR-certified for the machine's award-winning, ergonomic design of the driver's workplace and the back-friendly quick-change system.

### For the environment

Reduced fuel consumption and fewer emissions: intelligent drives, low-emission engine with a particle filter and EUnited-certified dust-control system.

### For excellent results

Highest levels of flexibility and efficiency: multifunctional machine with a wide range of attachments and superstructures for every seasonal requirement.



### Ergonomic in every detail

Even the best machine is only as efficient and capable as its operator. This is why the Citymaster 1650 has been designed as an ergonomic mobile workplace. For example with a height- and tilt-adjustable steering wheel and a comfort seat allowing individual adjustments. And it's very comfortable to use thanks to the operating panel with functional elements integrated in the armrest.



### Flexible, safe, future-oriented

The Citymaster 1650 can be used on all paved surfaces in the city – without restrictions and at maximum payload. The machine's particularly low fine dust, particle and noise emissions as well as its sophisticated safety concept allow working in inner-city and residential areas – even early in the morning or late at night.



### Multifunctional working in all seasons

In addition to being used as a professional sweeper, this machine can easily and effortlessly be re-tooled for a wide range of different applications – thanks to the quick-change system allowing back-friendly and tool-free changing of attachments and superstructure and docking to the machine's four interfaces.



## Details

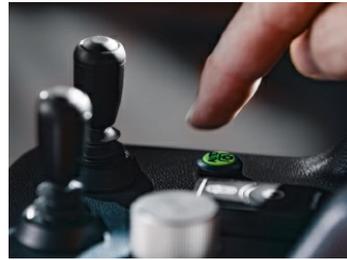
# Citymaster 1650: Clever ideas for practical application



**Improved ergonomics:** Extended seat options and the height-adjustable steering column ensure that the workplace can easily be adapted to the driver's individual needs, which is yet another benefit when the vehicle is operated by different drivers. And what's more: The fully electric foot pedals with improved ergonomics are of great benefit to everyone.



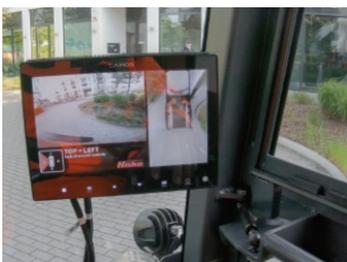
**Comfortable:** The chassis is fully suspended. The driver's seat is air-sprung and optimally adapted to the chassis. Together, these features ensure high levels of comfort to facilitate long working days and protect the vehicle from damage.



**All-automatic:** The operating panel is comfortably integrated in the armrest, including additional functional elements such as the one-button operating system providing automated functional processes for machines with complex configurations.



**Energized:** The USB connection at the steering column allows the driver to keep his mobile phone charged, so that he can always be contacted in an emergency.



**Increased safety:** The fully glazed cabin offers a good view onto the working area. And the camera system increases the driver's field of view by another 270°, which is particularly important when turning at crossroads.



**Brighter:** Maintenance-free full LED lighting system with a high luminous efficacy and comparatively low power requirements; and individually configurable LED work lights for the brooms, the suction duct and the rear of the cabin.



**More stable:** The widely spaced articulated joint with maintenance-free bearings provides a stable connection between the front and the rear part of the vehicle. Coil springs, shock absorbers and stabilisers ensure safe driving and kerb-climbing characteristics even when the vehicle is fully loaded.



**Flexible:** Quick-change system with four interfaces; front coupling triangle providing easy changing of attachments; interface at the suction system; changing frame for superstructures; rear attachment frame for additional tools or accessories and a trailer coupling.



**No need for a truck licence:** The Citymaster 1650 offers all the characteristics and benefits of a larger sweeper but can be driven by anyone holding a Class-B driving licence.



**Back-friendly:** The Citymaster 1650 has been awarded the AGR quality label (by the German association Aktion Gesunder Rücken e.V.). High levels of seating comfort and flexibility as well as Hako's quick-change system allowing easy one-man operation without the need for tools make this machine particularly back-friendly, which has been independently tested and approved by AGR.



**Environmentally friendly:** The low-emission and low-consumption engine with a particle filter protects the environment and saves fuel. The machine's dust-control system has been independently tested and certified according to EUnited.



## Multifunctionality

# Multifunctional: For all-season use

The Citymaster 1650 has been designed for all-season application to provide maximum flexibility and economic efficiency. In months with fewer sweeping tasks or when the sweeper can't be used at all due to bad weather conditions, the machine offers additional application options such as

- winter services
- various applications in the field of grounds- and road side greenery maintenance
- intensive yet gentle wet cleaning of heavily soiled areas



### Sweeper with 2- or 3-broom systems

As a professional sweeper equipped with a 2- or 3-broom comfort sweeping system, the Citymaster 1650 not only provides perfect cleaning results: Our patented circulating water system offers maximum dust control to ensure clean exhaust air and lowest possible particle and fine dust emissions, which is a clear benefit for both the operator's health and the immediate surroundings.

#### Perfect results on all levels

- The brooms with hydraulic broom-head-adjustment system can be adapted to different types of gutters.
- The pre-sweep broom can also be used for second-level cleaning of footpaths or even traffic islands.
- Thanks to the double-joint broom arm, there is no need to adjust the unit when changing from sweeping one side of the road to the other.

#### Sweeping up, sucking in, and carting off dirt and debris

- The tangential suction system with an energy-saving blower ensures that dirt and debris is reliably collected while the sweeping system goes easy on pavements and joints.
- Our efficient separation system provides maximum filling of the universal hopper – for extended emptying intervals.

#### Weed control without chemicals

- The weed broom provides mechanical removal and collection of weeds.



### Perfectly equipped to fight ice and snow

Whether clearing snow or fighting black ice: In the winter, the Citymaster 1650's uncompromising multifunctionality unleashes significant efficiency and economic advantages.

#### Snow clearing with the Citymaster 1650

With the Citymaster 1650, cities and municipalities are perfectly equipped for snow clearing tasks. A wide range of suitable snowploughs, universal front sweepers or single-purpose snow sweepers are available for every possible application to allow flexible adaptation to different amounts of snow and weather conditions. In addition, our rotary snowploughs, available in tiered performance classes, can cope with even extremely large amounts of snow.

#### Fighting black ice with our high-performance solutions

Equipped with a loading bed, a rear-mounted gritter or a top-mounted silo gritter, the Citymaster 1650 can be easily adapted to meet individual requirements in the field of salting and gritting.

- Whether using sand, grit, granulate or salt – you can choose from our selection of cylindrical gritters for use on footpaths, combi gritters for use in car parks, or silo gritters in tiered performance classes.
- In addition, a brine spraying system is available for special applications.



**Green area maintenance: versatile use, high area coverage**

From mowing grass and cutting back roadside greenery to maintaining sports grounds and public parks: The Citymaster 1650 is ideally suited for every green-area maintenance task.

**Mowing-suction combi with a universal hopper**

The Citymaster 1650's universal hopper can also be used for lawn mowing tasks. The central suction system ensures that roadside greenery can be safely maintained without interfering with the flow of traffic, and allows working close to kerbs on either side of the road. The vacuum suction system is wear-free and easy to clean. Blockages are reduced to a minimum. The vacuum ensures compacting of the grass. And yet another advantage: The compact mower can also be used as rear-discharge mower or a mulch mower.

**Citymaster 1650: maintains large intensive and extensive areas**

The Citymaster 1650 provides versatile use on large areas. Equipped with suitable attachments, this machine always offers the right solution.

- Large-area rotary mowers, available as a rear-discharge or a mulch mower: for demanding maintenance tasks in public parks or on sports fields
- Different flail/ mulch mowers: for extensive yet less frequently used areas requiring little maintenance



**Citymaster 1650 CityCleaner: wet cleaning and oil spill removal**

Equipped with the CityCleaner scrub deck attachment, the Citymaster 1650 turns into a powerful machine providing intensive wet cleaning, and can also be used for the efficient removal of oil spills.

**Intensive cleaning: gentle yet effective**

Equipped with the CityCleaner scrub deck, the Citymaster 1650 provides powerful wet cleaning while going easy on joints and surfaces. The machine can be used on both asphalt and concrete surfaces as well as on simple or high-quality paving and on coated floors as used, for example, in multi-storey car parks.

- Fully integrated in the quick-change system
- Ready to use in no time at all when combined with the universal hopper
- Fresh and circulating water system for long operating times

**Oil spill removal**

The Citymaster 1650 CityCleaner has been independently certified for its suitability to clean traffic areas after accidents involving oil spills. Independently tested: Traffic safety is reliably restored after just a single application. Oil, particles and recovered water are collected in the universal hopper.

- Pre-cleaning with circulating water and simultaneous intake of particles (up to 25 mm)
- Post-cleaning with fresh water
- Specially formulated cleaning chemicals



Sweeping



Wet cleaning



Winter service



Green area maintenance



Transport

## Technical data

# Citymaster 1650 at a glance

Citymaster 1650	
Engine (type, emission standard, exhaust gas treatment)	Diesel, 55kW, Stage V, DOC, DPF
Type approval / driving licence	Tractor T2a, Class B
Drive	Hydrostat, 4x4, 40 km/h
Chassis and steering	chassis with fully hydraulic articulated steering, fully suspended chassis with coil springs and shock absorbers, attachment quick-change system
Tyres	225/70 R15C // 255/65 R16 // 320/55-15 T559
Braking system	disc brake at the front, integrated parking brake at the rear
Cabin	ROPS-tested 1-person safety comfort cabin, safety glazing. 2 doors with sliding windows, hot water heating / air conditioning (option).
Unladen weights	2.035 kg / 2.570 kg / 2.690 kg / 2.570 kg (Total weight/2B/3B/CC)
Permissible weights	3.500 kg / 1.700 kg / 2.400 kg (GVW/VA/HA)
Dimensions	3830 x 1210 x 1970 mm