

*Cleaning Technology
Municipal Technology*

Hako



Citymaster 1650

More working comfort in all conditions

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Flexible, safe, future-oriented

Compact, maneuverable, high climbing ability: The Citymaster 1650 can work in all paved urban areas – without restrictions and at maximum payload. Thanks to the machine's slim design and high level of maneuverable, Hako's solution covers the performance range of a larger sweeper while allowing employment even in confined areas and on footpaths.

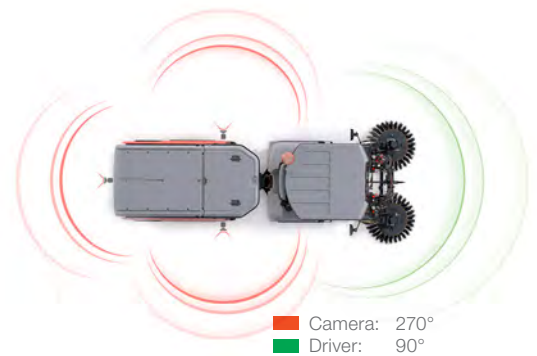
Ready for use in all conditions

The sophisticated, full-suspension chassis enables effortless curb-climbing and driving on poor roads and paths – without compromising on either the driver's comfort or safety.

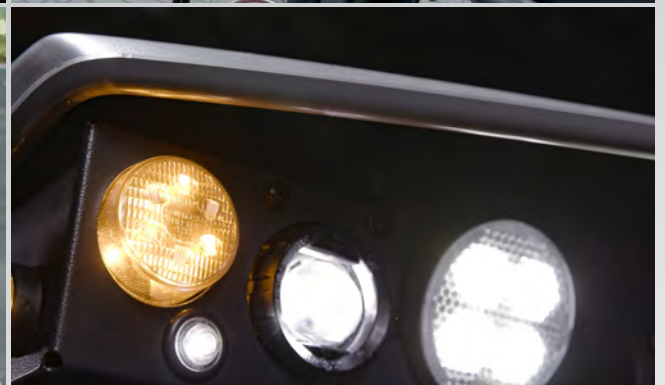
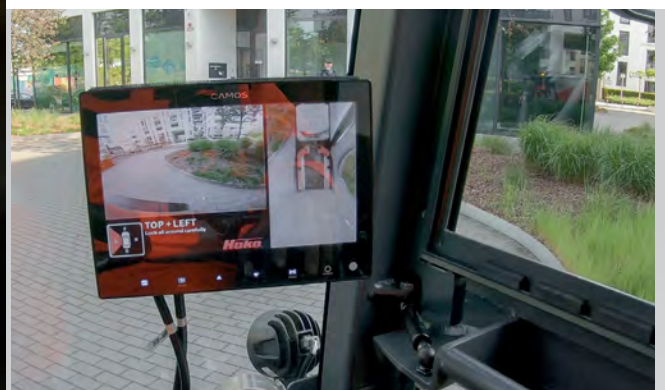
Clean ahead – with foresight and good vision

Environmentally friendly

The machine's particularly low fine-dust-, particle- and noise emissions allow working in both inner-city and residential areas – even early in the morning or late at night.



Everything at a glance: The fully glazed comfort cabin offers the driver an excellent view of his surroundings. The camera system extends the driver's field of vision by another 270° – and automatically provides a view to the side when turning.



Keeping an eye on what's most important

Working in complex environments with heavy pedestrian traffic is a particularly challenging task for operators of Municipal TecÚology machines. Hako deals with this challenge by offering sophisticated safety concepts: for example camera assistance systems providing a 360° view even when the driver's field of vision is reduced by obstacles, or when reversing or turning. And thanks to the full LED lighting system, the driver always has a perfect view of his surroundings, even in poor light conditions – for safe working at any time and season.



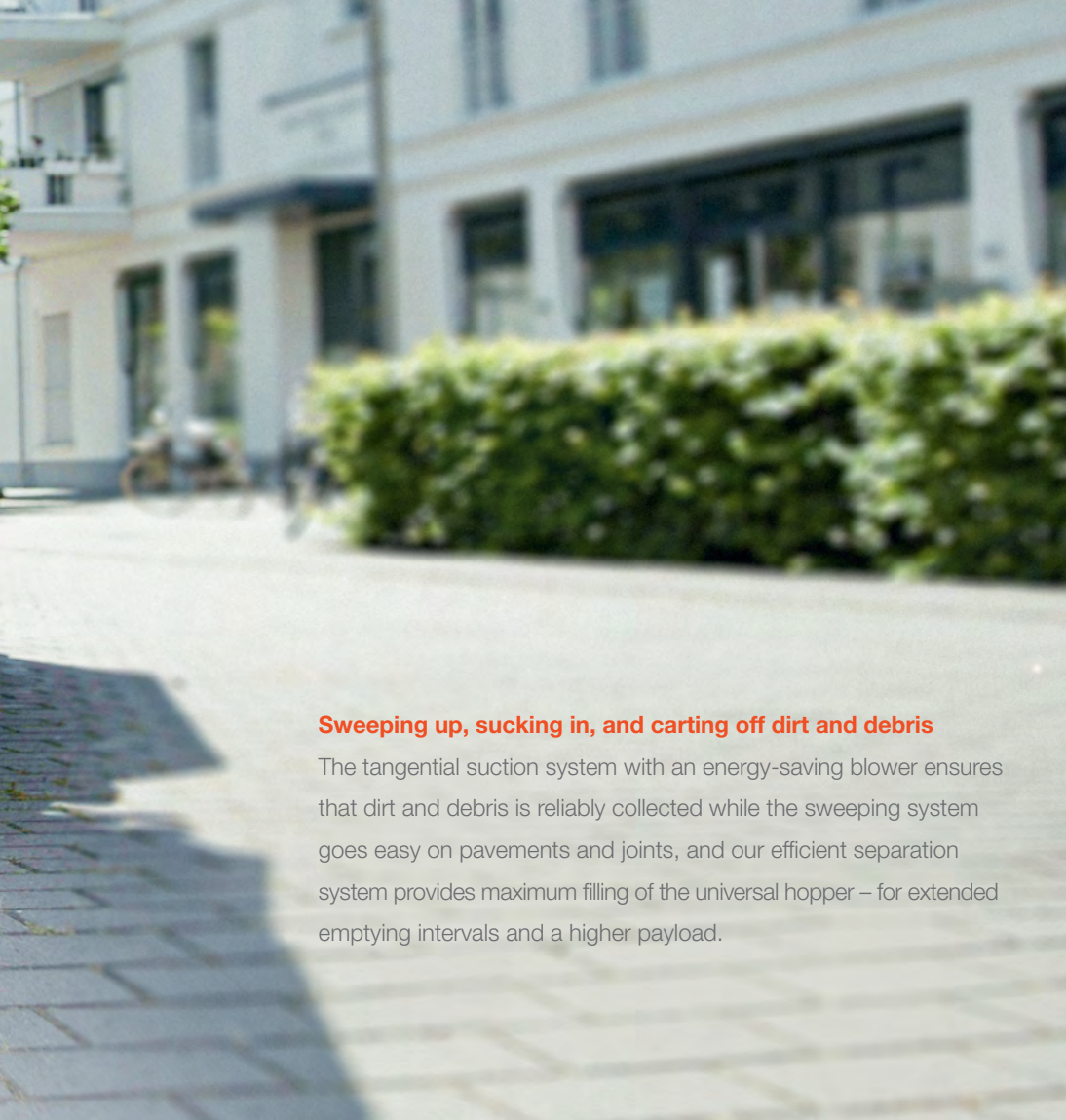
A clean performance

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.



Gentle yet effective cleaning – when sweeping alone is not enough!

Equipped with Hako's CityCleaner attachment scrub deck, the Citymaster 1650 is ideal for carrying out intensive wet cleaning tasks. Perfectly suited for almost all types of surfaces. Goes easy on pavements and joints. And the circulating water system with efficient filters ensures optimal cleaning results.



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, and our efficient separation system provides maximum filling of the universal hopper – for extended emptying intervals and a higher payload.



Gets in almost every corner:
The steering system with articulated joint ensures excellent maneuverable – even when sweeping in reverse gear.

Weed control without chemicals:
The weed broom provides mechanical removal and collection of weeds.

Perfect results on all levels

To ensure optimal cleaning results, 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. And what's particularly practical: 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.





Powerful and efficient in every season



When the Citymaster 1650 is underutilized in its function as a professional sweeper due to seasonal weather conditions, the machine can be used to carry out other tasks such as grounds maintenance or winter services – which makes the Citymaster 1650 the most efficient solution for every municipal application.



Highly flexible in grounds maintenance

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. Thanks to its universal hopper, the machine can also be used to mow and collect grass; and the central suction system allows safe maintenance of roadside greenery in flowing traffic, even working close to curbs on both sides of the road. In addition, large rotary mowers – designed as either rear-discharge or mulch mowers – as well as different flail mowers are available for mowing large areas.



Perfectly equipped to fight ice and snow

For more safety in cities and municipalities: The Citymaster 1650 can be equipped with a wide range of different snow plows and universal front sweepers to clear roads, paths and public places from ice and snow. Powerful rotary snow blowers can easily deal with even large amounts of snow. Equipped with a loading bed and a rear-attachment gritter or with a top-mounted silo gritter, the Citymaster fights black ice reliably and effectively.

Technical data

		TecÚical data basic unit Citymaster 1650
Engine and drive	Engine	<ul style="list-style-type: none"> • Water cooled 4-cylinder industrial diesel engine 1.9 liter • Exhaust gas turbocharging + charge air cooling, particle filter, output 55 kw at 2,700 rpm • Common-rail direct fuel injection, tank capacity 13.21 gallons • Engine status below the limit values according to the emissions standard • Horse power – 73.7HP
	Ground drive	<ul style="list-style-type: none"> • Traction-and energy-efficiency-optimized hydrostatic ground drive. Permanent all-wheel drive • Drive control system with automatic load control in transport mode
	Hydraulics	<ul style="list-style-type: none"> • Load-sensing high-pressure hydraulics with variable power distribution • 1 hydraulic circuit at the front, 1 hydraulic system at the rear
Driving and working characteristics	Speed	<ul style="list-style-type: none"> • Driving speed 0-24 mph • Reversing 0-7.4 mph
	Steering and chassis	<ul style="list-style-type: none"> • Hydraulically steered, articulated 4-wheel chassis, steering angle 45 inches • Robust articulated joint with maintenance-free PTFE- coated bearings • Trailing arm guided, suspended front and rear axles, coil springs and hydraulic shock absorbers • Stabilizer at the rear axle
	Brake system	<ul style="list-style-type: none"> • Hydrostatic brake acting on all four wheels, disc brake at the front with load-dependent support via drive control acting on both axles • Electrically activated multi-disc stop brake at the rear axle
	Cabin	<ul style="list-style-type: none"> • 1-seater comfort cabin with comfort driver's seat and operating panel integrated in the armrest • Central display showing all the machine's functions, adjustable steering column • Hot-water heating and air conditioning • Framed doors with sliding windows • Folding exterior mirrors, adjustable from the inside
Load data	Empty	<ul style="list-style-type: none"> • 2,035 kg/ 4,486 lbs. (implement carrier) • 2,550 kg/ 5,622 lbs. (sweeper)
	Water capacity	<ul style="list-style-type: none"> • 188 liters/50 gallons
	Permissible values	<ul style="list-style-type: none"> • Total weight 3,500 kg/7,716 lbs. • Axle load 1,700 kg/3,748 lbs. • Front/Rear 2,400 kg/5,291 lbs.
Dimensions	Height Weight Length	<ul style="list-style-type: none"> • 1,970 mm/77.5 inches • 1,210 mm/48 inches • 3,830 mm/151 inches
	Sweeper height Sweeper width Sweeper length	<ul style="list-style-type: none"> • 1,970 mm/ 78 inches • 1,210 mm/48 inches • 5,170 mm/204 inches
	Hopper load Hopper volume Hopper dump height	<ul style="list-style-type: none"> • 1,000 kg/2,205 lbs. • 1,350 liters/ 1.8 cubic yards/357 gallons • 1.97m/60 inches
	Wheelbase	<ul style="list-style-type: none"> • 1,600 mm/63 inches
	Track width	<ul style="list-style-type: none"> • 1,055 mm/42 inches
	Inner turning radius	<ul style="list-style-type: none"> • 1,290 mm/51 inches

Form, color and design of our products are subject to alterations in favor of further tecÚical development. Pictures may show optional equipment.

