

Cleaning Technology
Municipal Technology
Waterjet Technology

Hako



Citymaster 2250

Great size for high efficiency

Powerful. Compact. Multifunctional.

Comfortable – and safe

Spacious, optimally air-conditioned – and safe:
The crash-tested driver's cab with a powerful
air-conditioning concept, intuitive operation and
well-thought-out features for more safety.

CITYMASTER 2250

Big

The driver's cab, designed with the operator in mind,
not only impresses with its generous space, but also
with its possibilities: The interior equipment can be
individually adapted.

XXL performance

More economic efficiency, numerous applications –
thanks to multifunctionality: As a sweeper with
additional benefits, the Citymaster 2250 can also
be used for other tasks and thus be fully utilised.

Big ideas, great results

The Citymaster 2250

More comfort, safety and efficiency in the 6-t class – that's what the Citymaster 2250 stands for. As a compact
sweeper or versatile implement carrier for year-round use, the vehicle impresses with its high, reliable performance
even on long working days. And as an ergonomically designed mobile workplace with optimised space and a
customisable driver's cab, it increases both comfort and work efficiency.



Highlights:

- Large driver's cab with variable space utilisation
- Ergonomic workplace and high user-friendliness
- Full LED lighting
- Stable chassis and disc brakes with ABS
- Large 2m³ stainless steel dirt hopper



The new freedom

The modified bending radius of the large glazing in the upper area of the windscreen also provides an improved feeling of space and more headroom. Or more comfort during long operations – and more working efficiency.



More space for performance

The control unit with 6-way keypad and rotary pushbutton in the function armrest as well as the 5" colour display increase operating comfort. In addition, the centre console with reduced switch panel and the unified right- or left-hand operation provide a clear view of the implements and the working area. The slimmed-down controls create more space that can be used for optional equipment: for example, an auxiliary seat for a co-driver or a transport box for tools.



Made for the driver: Different seat configurations with comfort and auxiliary seat and with or without storage options not only allow variable use of space, but also give the operator a significant extra amount of space in the cab.



As a further operator benefit, the functional armrest can be configured for use in the centre or as a door control.



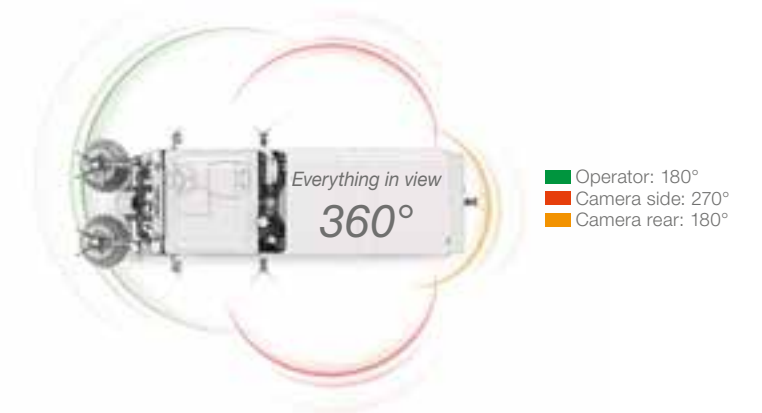
Working with a cool head: The excellent air-conditioning concept enables pleasant working even on hot days. In addition, the new, light-coloured cab roof reduces heat radiation in the head area.



AGR quality label: Awarded for the overall machine concept, i.e. the machine as a workplace, the chassis and the quick-change system. www.agr-ev.de

Benefits for the operator:

- Maximum freedom of movement
- Individual use of space due to different design variants
- Choice of left or right operation and flexible positioning of the operating armrest
- Particularly good view of the working environment thanks to large-area glazing
- Pleasant temperatures even on hot days thanks to the ventilation and air-conditioning concept and the light-coloured cab roof
- Easy to operate thanks to the optimised operating concept: all functions at your fingertips
- More comfort thanks to the height- and tilt-adjustable steering wheel



You really not miss anything

Optional camera systems allow an up to 270° additional viewing angle without taking your eyes off the work. For all-round visibility even when the view is obstructed by attachments and superstructures, more safety in traffic and less collision damage.



Safe on the road

The use of municipal machines in cities and residential areas repeatedly confronts drivers with challenging traffic situations. Well-thought-out details such as full-surface cab glazing, specifically positioned exterior mirrors, reversing signals and camera systems for an extended viewing angle support the driver in his work and serve to protect passers-by. And the Turning Assistant option is another consistent decision for the greatest possible safety in the work environment.



Everything in view

Thanks to large-area glazing and an intelligent exterior mirror concept, the driver has a particularly good view of his working environment and to the rear. The 4-plan mirror system even allows a view of the inter-axle area without panoramic mirrors – and without optical distortion.

Technology that saves lives

Whether pedestrians, cyclists or motorised two-wheeled vehicles: Systems such as the optional Turning Assistant help to avoid potentially dangerous situations on the road and during municipal operations.

Your benefits at a glance:

- Improved visibility of the lower working area
- 4-plan mirror system for visibility to the rear and to the inter-axle area (option)
- 360° view through 270° camera system and Turning Assistant (option)
- Suction mouth camera for checking possible material accumulations (option)
- Heated windscreen for fast defrosting (option)
- Controlled, safe tipping of the hopper via remote control (option)



To ensure the safety of the driver in every traffic situation, we carry out safety tests to the highest standards.

That lasts

The new driver's cab is ECE-R29 tested so that the driver can feel safe at all times during work. This means: if the worst comes to the worst, the cab will withstand a frontal collision.

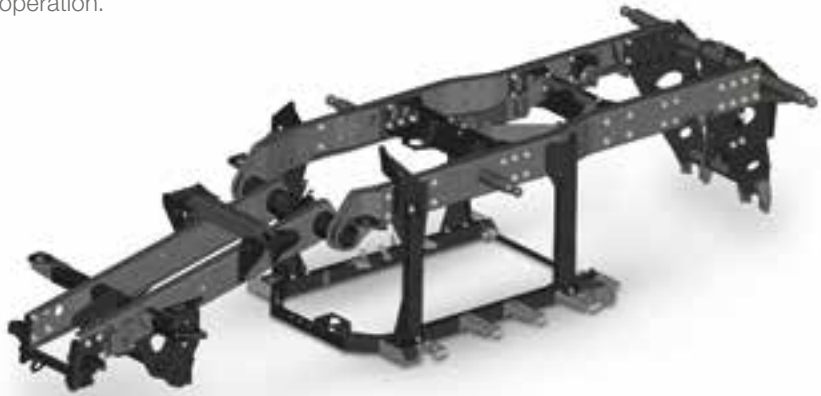


The anti-lock braking system ensures safe stopping even on varying road conditions and a stable vehicle position when braking. The hydrostatic ABS also ensures full traction control with hydraulic drive.



Extremely resilient

The stable, torsionally flexible frame, together with the chassis, enables optimum handling in all operating situations. Highly resilient, elaborately sprung commercial vehicle axles not only ensure the high payload of the Citymaster 2250, they are also a factor for greater driving safety during operation.

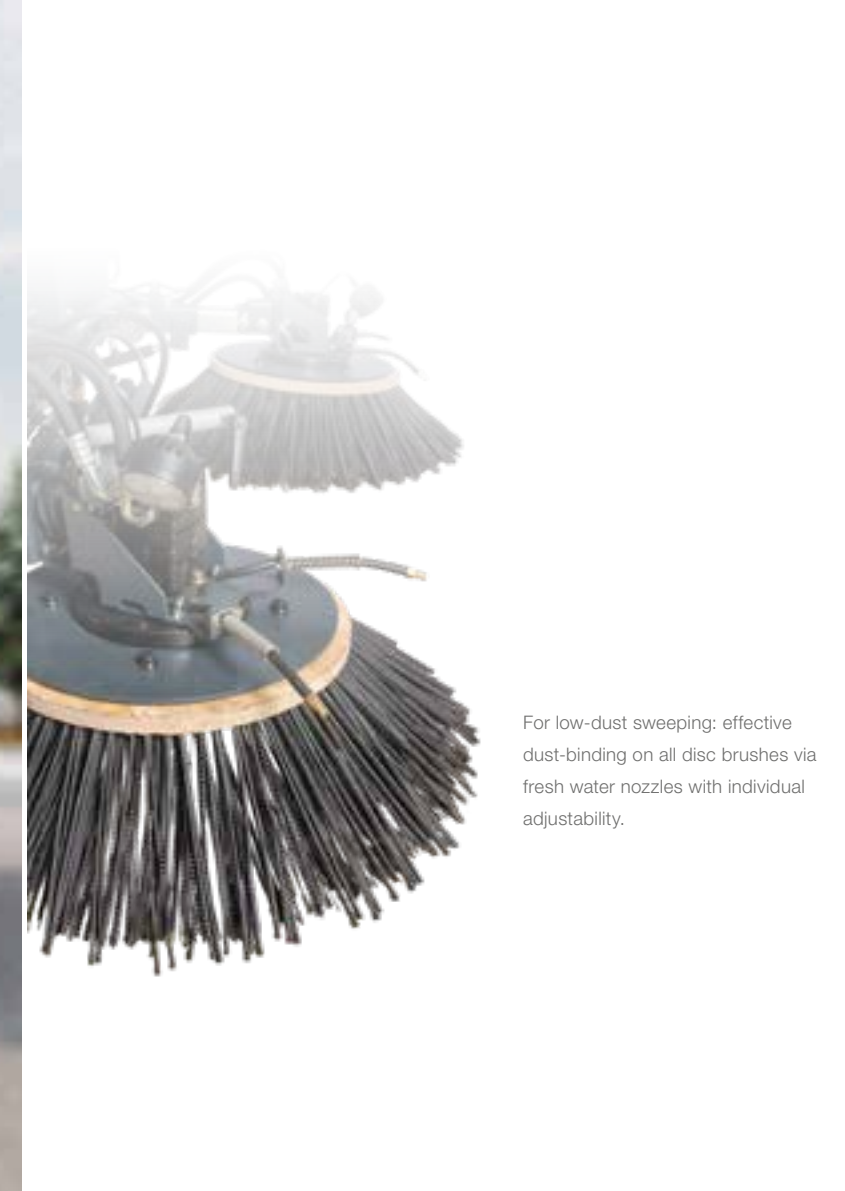


Confident in every situation

Safety begins with the vehicle concept. As early as in the development phase, we are guided by the highest safety standards and define features for all safety-relevant components. These include the driver's cab, the chassis with disc brakes or the integrated ABS. Extensive tests during and after the development phase are a matter of course for us. Just like the high material and manufacturing quality with which we can enable greater safety and durability.



This saves time: With a top speed of 62 km/h, the Citymaster 2250 can also use motorways and dual carriageways – travel times from job site to job site are significantly reduced.



Clean at all levels

When sweeping, the Citymaster 2250 convinces with its large 2-m³ hopper. Regardless of whether the sweeping system is 2- or 3-broom, both allow maximum flexibility: The sweeping brooms can easily reach difficult-to access areas. Even the cleaning of traffic islands or areas on different levels can be carried out without any problems.



Silent

Equipped with Silent brooms, the sweeper can also be used in particularly noise-sensitive areas such as near schools and hospitals – even at off-peak hours and at night!



For reliable and safe results: The roller-guided suction mouth with rubber sealing strips increases the dirt pick-up capacity – and at the same time reduces collision damage and wear. The optional suction mouth camera additionally informs the driver about possible material accumulations.



The smooth-surfaced stainless-steel hopper can be emptied quickly and easily and is particularly easy to clean.

Just quickly emptying the hopper

The large, 2 m³ hopper can be filled to 100 % – for longer emptying intervals. And when it is full, it can be emptied easily and safely from the driver's seat – or from the outside using the optional remote control for direct monitoring.

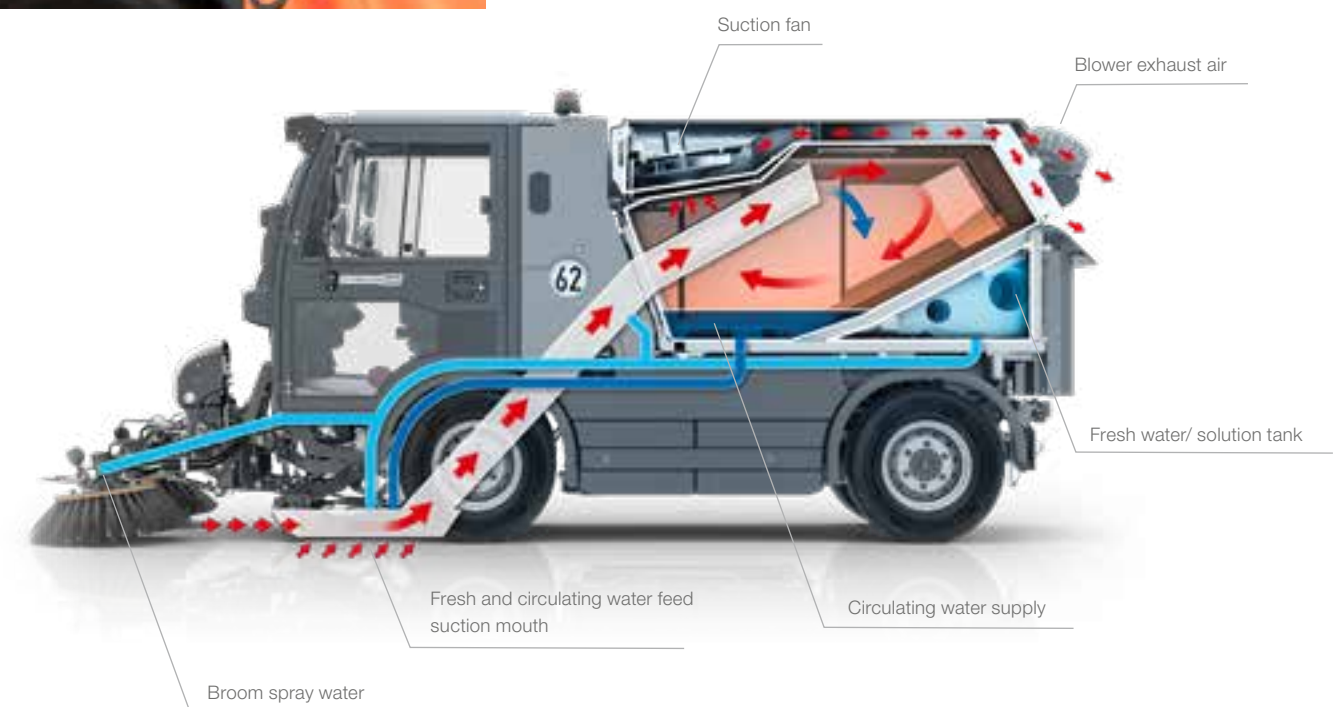
Six tonnes easily under control

Despite a gross vehicle weight of six tonnes, the Citymaster 2250 impresses with its easy handling: The true-to-track, symmetrical all-wheel steering makes the vehicle extremely manoeuvrable even in cramped conditions, enabling precise sweeping close to the edge.



Directionally stable

Thanks to compact dimensions and symmetrical all-wheel steering for excellent manoeuvrability with the smallest possible turning circle and close-to-edge sweeping – even in curves.



Sweepings are sucked directly and safely into the dirt hopper by the brooms via a suction mouth. The suction nozzle moves forward and also backward on rollers. The fresh and circulating water system binds the dust effectively.



Wet cleaning made easy: Equipped with a scrub deck, even stubborn dirt can be removed from smooth surfaces.



Chemical-free against weeds: with a weed broom for mechanical removal and collection.

Wide range of applications

Sweeping, wet cleaning, winter service: Thanks to its design for year-round use, the Citymaster 2250 offers genuine economic efficiency. Thanks to the quick-change system, it can be retrofitted easily and without tools: for example, with a scrub deck for removing stubborn dirt or a snow plough, front sweeper and silo spreader or a brine system to fight snow and ice.



			
Sweeping	Wet cleaning	Winter service	Transport
			
Sweeping 2 brooms	High pressure washer	Snow blade	Trailer
			
Sweeping 3 brooms	Scrubbing	Snow plough	
			
Weed broom	Sluicing	Snow sweeper	
			
Leaves collecting	Brine sprayer	Spreader	
			
Dirt sweeper			

Your benefits at a glance:

- More cost-effectiveness: only one machine in optimum design for a wide range of applications
- More flexibility: attachments and superstructures for every cleaning task
- More comfort: quick, easy and tool-free implement change thanks to the quick-change system
- Less effort: significantly reduced configuration time and less training required due to the consistent technical basis



Hako-Fleet-ready!

Hako Municipal Technology thinks ahead – and is even smarter when you monitor its use with Hako-Fleet-Management. The data collection can not only serve as a basis for even more economical use, but also helps you to be one step closer to a solution in the event of a service call. Hako-Fleet-Management allows you to track the route of the Citymaster 2250. If a fault causes the vehicle to come to a standstill, its location is sent to the Fleet Portal and shown on the map. Operational results and statistics are clearly displayed in the web portal.



Hako-Fleet-Management: here's why!

- Recording of all important service data and operating states
- Clear presentation in the web portal, available 24/7
- Full cost transparency and control
- High machine availability
- Avoidance of machine damage
- Provision of performance records
- Compatible with machines from other manufacturers



Service makes the difference



Always quickly on site

Qualified service technicians with fully equipped service vehicles carry out service work promptly and efficiently directly on site.

Professional service

Whether you need repairs, maintenance of safety inspections, your machine is in the best hands in the modern workshops of our subsidiaries, authorised dealers or service partners.

Service via scan

Full access to all machine details and data as well as digital service requests – simply via QR code scan.

For maximum availability

To ensure that our machines perform optimally at all times, we offer customised and scalable services along the entire product life cycle.

- Right from the start: with solution-oriented advice directly on site as well as attractive financing and rental options
- After purchasing: with smooth procurement and provision including user training
- During use: with individual service contracts and 24/7 support for fast and professional troubleshooting, high efficiency and permanent machine availability
- At the end of the product's life: with take-back and recycling as well as machine upgrades

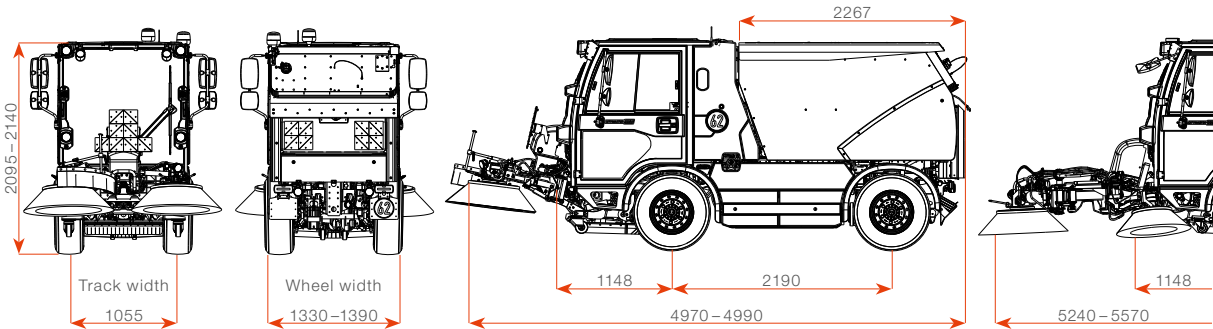


Technical data

		Citymaster 2250 2B	Citymaster 2250 3B
Engine and drive	Engine	· VM R754 EU6 D3 four-cylinder turbo diesel according to Directive 595/2009/EC EURO VI Intercooler · Diesel oxi-cat, particulate filter, SCR catalytic converter, tank capacity 65 l	
	Displacement/power	· 2,970 cm3/80 kW (109 hp) at 2,600 rpm	
	Max. torque	· 420 Nm at 1,100 rpm	
Driving and working characteristics	Traction drive	· Fully hydraulic traction drive, rear-wheel drive, selectable all-wheel steering · Differential lock optional 3 operating modes: transport travel with automatic speed and load control, work travel with constant speed, offset travel mode with constant speed, transport travel up to 62 km/h · Standard steering reverse travel up to 25 km/h, all-wheel steering work travel up to 15 km/h, all-wheel steering reverse travel up to 10 (25) km/h	
	Working drive	· Load-sensing high-pressure hydraulics with variable power distribution · 3 power levels: ECO/STANDARD/MAX available at the push of a button · Blower with engine-dependent speed control · Additional functions via optional multi-purpose package	
	Implement connection points	· Quick-change triangle cat.0 front, ball change system rear	
	Frame, chassis, brakes	· Utility vehicle ladder frame with 2 steering axles, coil springs with shock absorbers · Stabiliser on rear axle, 4 mounting points for standard lifting platform · 2-circuit brake system with 4 disc brakes and brake booster · ABS coupled to hydrostat, variable hydrostatic braking force, independent mechanical parking brake, acting on rear axle	
	Wheels and tyres	· Standard tyres 225/75 R 16C · Wide tyres 285/65 R16C	
	Cab	· 2-seat comfort cab with occupant protection test according to ECE-R 29 · 2-way adjustable steering column · Comfort seats, 3-point safety belt · Comfortable 1-hand operation of all sweeping functions · 1-button operating system starts all sweeping functions simultaneously · Automatic storage of all operating parameters	
	Sweeping system	· 2 brooms 900 mm · Working width up to 2,500 mm · Suction mouth 800 mm on rollers	· Feed broom 900 mm 2 basic brooms 750 mm · Working width up to 2,600 mm · Suction mouth 800 mm on rollers
	Dirt hopper	· Stainless steel V2A dirt hopper 2.2 m³ · Gross capacity 1,895 l · Effective hopper capacity 1,710 l	
Dimensions and load values	Length/width/height*	4,970–4,990/1,330–1,390/2,095–2,140 mm	5,240–5,570/1,330–1,390/2,095–2,140 mm
	Wheelbase/track width	2,190 mm/1,054 mm	
	Gross vehicle weight	6,000 kg	
	Permissible axle loads	3,200 kg/3,200 kg	
	Unladen weight**	3,610 kg	3,710 kg
	Payload***	up to 2,390 kg	up to 2,290 kg

We reserve the right to make changes to shape, colour and design in the interest of further technical development. Illustrations may contain optional equipment. Services and products may vary from country to country. Data according to EN 15429 1-4, where applicable.

- * Width: without exterior mirrors; height: with standard tyres
- ** Unladen weight: standard machine without optional equipment/extras.
- *** Payload: optional equipment/extras may reduce the payload.



2-broom variant

3-broom variant



For a clean future

To ensure that our solutions meet the increasing demands for sustainability, we are constantly developing them further: in dialogue with our users, closely oriented to current trends, and by taking into account the requirements of the future. That is why we are constantly driving our research and development in the direction of efficiency-increasing and even more environmentally friendly measures as well as important future topics – for example, electromobile solutions in Municipal Technology or digitalised processes.

Far ahead even today

Taking more responsibility for the environment: due to their low emission values and minimal noise levels, our vehicles can work also in environmental zones and other sensitive areas.



We are also active in the field of Cleaning Technology and Waterjet Technology

The requirements for professional indoor and outdoor cleaning are just as extensive as the options we offer our customers: from sweepers and vacuum sweepers to scrubber-driers and combination machines to efficient waterjet technology for use in industry and commerce.

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



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).

For the sake of readability, Hako has opted for gender-neutral terminology throughout this document. This includes all people, regardless of their gender or identity.

About our products: We reserve the right to make changes to the shape, colour and design in the interest of technical development. Illustrations may contain optional extras. Services and products may vary from country to country.