

# Citymaster 1650

# Hako



*The Multi-Functional Citymaster 1650 offers superior operator comfort while providing outstanding sweeper performance in the harshest environments.*



Citymaster USA 14N845  
US Route 20 Hampshire, IL. 60140  
1-800-323-9420  
[www.citymasterusa.com](http://www.citymasterusa.com)



# Citymaster 1650

*Our forward thinking, technology and innovation saves resources, achieves savings and promotes growth.*

## More Freedom

The Citymaster 1650 offers all the benefits and application options of a larger sweeper.



## More flexibility

365 days a year for all seasonal challenges  
“No tools Needed” allows easy change out of attachments.

## The Citymaster 1650

The Citymaster 1650 sets and exceeds the industry standards offering articulated steering, permanent all-wheel drive with a fully electronic control system and unique features providing increased comfort and safety.

Thanks to its multi-functional design, retooling is quick and easy with no tools required. A sweeper, mower, or snowplow provides extreme versatility. The all one in design is highly economical with a quick ROI as it provides multiple application options. The perfect year round option for even the harshest environments.

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## Green is In:



The Citymaster 1650 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 the same hopper. For superior cleanliness and economic efficiency in every season.



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## *The Winter Specialist*

Especially in the cold season, the Citymaster 1650's excellent maneuverability, ease-of-use come into full effect. Thanks to the front attachment system providing the flexible use of a wide range of different attachments, the Citymaster 1650 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 snowplowing.



### WINTER SERVICE

The plow attachment makes the process of clearing snow fast and efficient. The blades are made of durable materials that allow the plow to scrape the surface completely clean without risk of damaging the roads, paths or equipment.



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## 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.



**Sweeping Services**

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## Unique Features



The compact design offers the smallest turning radius in its class. Easily navigates around stationary objects in its cleaning path.



Functionality with the push of a button. All functions are easily controlled with the one-hand operating system conveniently integrated on the armrest.



Operator safety is paramount. A USB connection at the steering column allows the operator to keep their mobile device charged in the event of unforeseen circumstances or an emergency.



The standard high-resolution color display shows all relevant operating information. A built in service timer automatically notifies when preventative maintenance is due preventative less downtime.

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## Citymaster: One For All

The Citymaster is composed of a comprehensive range of multi-functional outdoor cleaning machines. Easy maintenance of properties, sports fields, airports, amusement parks green areas and so much more. Thanks to the “One For All” concept, the Citymaster is used as a professional sweeper and re-tooled for any seasonal task. Offering a wide range of attachments means that you always have the right machine on hand for every application making the Citymaster efficient and economical. These machines are characterized by their compact dimensions, high maneuverability and payload as well as its extreme flexibility. Other benefits include the highest safety standards, and ergonomic design. The Citymaster ensures low working noise, and low emission and consumption values, and provides excellent dust control when sweeping.



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## Technical data basic vehicle Citymaster 1650

Engine and drive	Engine	<ul style="list-style-type: none"> <li>Water cooled 4-cylinder industrial diesel engine 1.9 liter</li> <li>Exhaust gas turbocharging + charge air cooling, particle filter, output 55 kw at 2,700 rpm</li> <li>Common-rail direct fuel injection, tank capacity 13.21 gallons</li> <li>Engine status below the limit values according to the emissions standard</li> <li>Horse power – 73.7HP</li> </ul>
	Ground drive	<ul style="list-style-type: none"> <li>Traction and energy efficiency optimized hydrostatic ground drive. Permanent all-wheel drive</li> <li>Drive control system with automatic load control in transport mode</li> </ul>
	Hydraulics	<ul style="list-style-type: none"> <li>Load sensing high pressure hydraulics with variable power distribution</li> <li>1 hydraulic circuit at the front, 1 hydraulic system at the rear</li> </ul>
Driving and working characteristics	Speed	<ul style="list-style-type: none"> <li>Driving speed 0-24 mph</li> <li>Reversing 0-7.4 mph</li> </ul>
	Steering and chassis	<ul style="list-style-type: none"> <li>Hydraulically steered, articulated 4-wheel chassis, steering angle 45 inches</li> <li>Robust articulated joint with maintenance-free PTFE-coated bearings</li> <li>Trailing arm guided, suspended front and rear axles, coil springs and hydraulic shock absorbers</li> <li>Stabilizer at the rear axle</li> </ul>
	Brake	<ul style="list-style-type: none"> <li>Hydrostatic brake acting on all four wheels, disc brake at the front with load-dependent support via drive control acting on both axles</li> <li>Electrically activated multi-disc stop brake at the rear axle</li> </ul>
	Cabin	<ul style="list-style-type: none"> <li>1-seater comfort cabin with comfort driver's seat and operating panel integrated in the armrest</li> <li>Central display shows all machine functions, adjustable steering column</li> <li>Hot-water heating and air conditioning</li> <li>Frame doors with sliding windows</li> <li>Foldable wing mirrors, adjustable from inside the cabin</li> </ul>
Load data	Empty weight	<ul style="list-style-type: none"> <li>2,035 kg/ 4,486 lbs. (implement carrier)</li> <li>2,550 kg/ 5,622lbs. (sweeper)</li> </ul>
	Water capacity	<ul style="list-style-type: none"> <li>188 liters/50 gallons</li> </ul>
	Permissible values	<ul style="list-style-type: none"> <li>Total weight 3,500 kg/7,716 lbs.</li> <li>Axle load 1,700 kg/3,748 lbs.</li> <li>Front/Rear 2,400 kg/5,291 lbs.</li> </ul>
Dimensions	Height	<ul style="list-style-type: none"> <li>1,970 mm/77.5 inches</li> </ul>
	Width	<ul style="list-style-type: none"> <li>1,210 mm/48 inches</li> </ul>
	Length	<ul style="list-style-type: none"> <li>3,830 mm/151 inches</li> </ul>
	Wheelbase	<ul style="list-style-type: none"> <li>1,600 mm/63 inches</li> </ul>
	Track width	<ul style="list-style-type: none"> <li>1,055 mm/42 inches</li> </ul>
	Inner turning radius	<ul style="list-style-type: none"> <li>1,290 mm/51 inches</li> </ul>
	Hopper load	<ul style="list-style-type: none"> <li>500 kg/1,102 lbs.</li> </ul>
	Hopper volume	<ul style="list-style-type: none"> <li>997 liter/1.3 cubic yards/263 gallons</li> </ul>
	Dump height	<ul style="list-style-type: none"> <li>143 cm/ 60 inches</li> </ul>
	Sweeper height	<ul style="list-style-type: none"> <li>1,970 mm/ 78 inches</li> </ul>
	Sweeper width	<ul style="list-style-type: none"> <li>1,210 mm/48 inches</li> </ul>
	Sweeper length	<ul style="list-style-type: none"> <li>5,170 mm/204 inches</li> </ul>
Hopper load	<ul style="list-style-type: none"> <li>1,000 kg/2,205 lbs.</li> </ul>	
Hopper volume	<ul style="list-style-type: none"> <li>1,350 liters/ 1.8 cubic yards/357 gallons</li> </ul>	
Hopper dump height	<ul style="list-style-type: none"> <li>1.97m/6.6 inches</li> </ul>	