



LYNX

For a city of tomorrow.

LYNX 2000

LYNX CHARGE 2000



Compact cleaning solution for the 21st century city

As the landscape of cities evolves, so must our approach to maintaining them. Meet the Lynx 2000, a compact cleaning solution designed specifically to meet the challenges of the 21st century city. The rapid expansion of cities and the increasing complexity of infrastructure systems mean that the work of city caretakers is not only challenging but also more crucial than ever.

The Lynx 2000 is the answer to these challenges. Available with both diesel and electric drive, it is ready for the challenges of the future.

Built by RASCO — one of leaders in infrastructure maintenance technology — the Lynx 2000 embodies more than 30 years

of expertise and innovation. The Lynx 2000 is a testament to RASCO's commitment to developing great technology for safer transport and a cleaner environment.

Its design goes beyond expectations and combines advanced aesthetics with functionality. More importantly, it offers a user experience that is second to none — from the most comfortable and highly visible cab to an unparalleled human-machine interface based on years of operator experience.

Welcome to the future of urban maintenance.



DESIGN WITH PURPOSE

LYNX 2000, good looking, comfortable and functional

Leaned back
seating position

Full glass
doors

Manual high pressure
washer cleverly placed
behind the cab

Automatic air
conditioning system

Two Full-size
seats

Forward slanted
two-piece windshield

Always ready
to use manual
suction hose



Every facet of the Lynx 2000's design is purpose-driven, catering to the needs of urban caretakers and users with a focus on functionality and aesthetics. The aggressive and modern design harmoniously marries advanced aesthetics with practicality.

Designed with the user's comfort in mind, it provides a comfortable workspace that encourages efficiency. It is characterised by thoughtful features such as a leaned back seating position, unparalleled visibility through a forward slanted two-piece windshield complemented by full glass doors, and additional rear-view mirrors. From the air-suspended full-size seats to the automatic air conditioning system, every element has been thoughtfully placed to ensure comfort and efficiency.

The Lynx 2000 also boasts functional design elements that enhance its utility and efficiency. The sweeper is equipped with a manual high-pressure washer cleverly placed behind the cab.

The always-ready manual suction hose mounted on the hopper and a carefully designed suction turbine make the Lynx 2000 a cleaning powerhouse.

In case one needs to inspect the hopper there is no need to lift the entire hopper as smartly designed step at the rear of the sweeper provides easy access to the top of the sweeper.

The Lynx 2000 represents what purposeful design looks like — a good-looking, comfortable and functional solution that is always ready to meet the challenges of the urban environment.





LYNX 2000 IN ACTION

Efficiency and performance without compromise

The Lynx 2000 is engineered with precision to meet every user's need without compromising on efficiency and performance. Every detail, from sweeping width to turning circle, has been carefully crafted to ensure that Lynx 2000 provides an impeccable sweeping experience.

With a sweeping width of as wide as 2,860 mm (3,100 mm with the three-brush system), the Lynx 2000 efficiently covers a large area in a single pass, reducing the overall time and effort invested in sweeping. This feature is amplified by a powerful and quiet suction fan to ensure

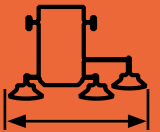
the highest possible sweeping performance in a compact package.

In terms of payload, the lightweight 2 m³ aluminium or stainless-steel hopper, when fully loaded, takes the total weight of the Lynx 2000 to 5000 kg, but its performance remains undeterred. It can comfortably climb gradients of up to 30%, proving its unbeatable climbing ability.

The hopper size plays a significant role in enhancing the Lynx 2000's performance. It is designed to hold a large amount of waste, minimizing the frequency of hopper emptying. The process of emptying is easy thanks to the 1.55 m minimum tipping height and a hydraulically controlled hopper door.



2.8 m



3.1 m



2 m³



400+ L



50 km/h

The Lynx 2000 has a total water capacity of 400+ L stored in two freshwater tanks, a recirculation tank and optionally in hopper. The large volume of water ensures a smooth flow of the collected material, helps with dust suppression and increases the sweeper's autonomy for longer working periods without interruptions for refilling.

The maximum speed of 50 km/h in transport mode ensures fast transition between work sites. In sweeping mode, the machine operates at a maximum speed of 12 km/h, more than is usually used when sweeping.

For safe and comfortable operation, the Lynx 2000 has a hydro-pneumatic suspension system which ensures that the vehicle remains stable regardless of the weight distribution, making it easy to tackle high curbs, as well as entering low-height spaces such as underground parking garages.

Finally, the Lynx 2000 is agile and maneuverable thanks to the four-wheel steering (4WS) system that provides precise control and maneuverability. To make sure Lynx 2000 is stable at high speeds, 4WS system automatically disengages when in transit mode.





ENVIRONMENTALLY FRIENDLY SWEEPING

LYNX 2000– sweeper with low environmental impact

Both diesel powered Lynx 2000 and battery powered Lynx Charge 2000 fulfill the evolving needs of urban infrastructure maintenance and point the way to sustainable development. The sweepers are designed to be as environmentally friendly as possible and offer optimum performance with the aim of minimising negative impact on the environment.

Both sweepers have a water recirculation system, ensuring a smooth flow of collected material and additional dust suppression. This feature plays a crucial role in saving fresh water, contributing to the sustainable operation of the sweeper. The sweepers are designed to suppress dust (PM 10/2.5 certified), contributing to better air quality.



Lynx sweepers are not only low-emission and water-saving but also designed to keep noise pollution to a minimum. The diesel engine of the Lynx 2000 and the electric powertrain of the Lynx Charge 2000 operate quietly, reduce noise pollution and are ideal for use in residential and noise-sensitive areas.

LYNX 2000

Performance beyond the norm

As a part of RASCO's commitment to sustainability, Lynx 2000 is powered by an environmentally friendly internal combustion engine. Advanced EURO 6 diesel engine, heart of Lynx 2000, delivers 62 kW of power. This power is then distributed optimally, consuming minimal fuel and reducing emissions.

The powertrain system of Lynx 2000 features an automotive electronically controlled hydrostatic drive ensuring minimal amount of power is used to achieve the desired speed. All hydraulically powered subsystems of the sweeper are powered by a carefully designed hydraulic system with multiple hydraulic pumps ensuring top level cleaning performance, suction power, maneuverability, and reliability.

Lynx 2000 is also compatible with biodiesel and HVO fuels, making it the best choice for cities aiming to reduce their carbon footprint.



62 kWh
EURO 6
diesel
engine



LYNX CHARGE 2000

An electric sweeper that just keeps going

Lynx Charge 2000 draws its power from an impressive 72,5 kWh Lithium-ion battery pack, supporting and operating time of up to 8 hours. With Lynx Charge 2000 the entire work shift can be completed without a need for recharging. When battery eventually empties, onboard 22 kW charger tops it up in up to 4 hours.

Unlike Lynx 2000 that has only one engine, Lynx Charge 2000 has three electromotors responsible for powering the drive train, suction fan and electrohydraulic power pack. 55kW electromotor is responsible for propelling the sweeper, 11.5 kW electromotor for powering the suction fan and 18,5 kW electromotor for powering load sensing hydraulic pump providing oil flow and pressure to the hydraulic subsystems like steering and front brushes. Combined, Lynx Charge 2000 packs more power than the diesel version.

The electric drive system is not only cleaner and more efficient, but also quieter and requires less maintenance than conventional diesel engines. Built on the Lynx platform, Lynx Charge 2000 is not just an electrified version of Lynx 2000, it is truly a fully pledged electric sweeper delivering the same efficiency as the diesel version does.



72.5 kWh
battery
pack



55 kW
traction
drive motor



18.5 kW
LS pump
drive motor



11.5 kW
suction fan
motor



Complex operations performed with ease

In Lynx 2000, special attention was given to the design of an efficient and user-friendly control system. The role of a sweeper operator requires a high degree of situational awareness and multi-tasking. In such a position, it is crucial that one does not have to constantly shift attention from the work at hand to looking for the knobs and switches. The control system design process was focused on understanding the challenges faced by operators and developing a human-machine interface that maximizes flexibility and minimizes complexity.

The controls are grouped according to their functionality and frequency of use, making them easily accessible. Steering and driving controls are placed on the steering column, ensuring minimal obstruction of the front cab view.

The most used sweeping controls are conveniently integrated into the hand rest on the driver's door. Secondary sweeping controls are located on the driver's side cab pillar, while other less used controls are placed on the overhead console. A 7" color touchscreen accompanies these controls, providing an interactive and user-friendly interface.

Recognizing that operators have different levels of experience and preference, the Lynx 2000 comes with a set of pre-defined working modes. This allows even the most inexperienced user to start operating the machine almost immediately. For more demanding and advanced users, the control system enables easy setting, customization, and storage of all working parameters.





ALWAYS CONNECTED

Stay in touch with your LYNX

With Lynx 2000 we have made sure you are always connected. With integrated remote tracking and reporting system, staying in touch with your Lynx sweeper has never been easier.

Always on Lynx 2000 gives operators and fleet managers real-time access to the sweeper's status including position, operational status and alerts and notifications. Data provided plays a vital role in optimizing sweeper's performance, planning maintenance schedules, and resolving problems quickly.

Lynx 2000 status can be accessed via web portal or a dedicated mobile application. While a mobile application gives a quick overview of a single machine, a web portal makes it possible to deep dive into specifics of every Lynx sweeper in your fleet.

No matter where you are, you can always be in touch with your Lynx.

We make sure you get most out of your LYNX

Once you have invested in a Lynx 2000, your journey with RASCO begins. We are committed to ensuring that your sweeper performs optimally and reliably over its entire lifespan. From warranty to maintenance and spare parts availability, we have considered every aspect of after sale support.

Our limited warranty covers your Lynx 2000 and gives you peace of mind. It acts as a pledge of our confidence in the quality, durability and reliability of our product.

Lynx has several features to make maintenance easier. Access to the hopper is straightforward, making it simple to remove debris and carry out routine checks. Central greasing system lubricates all essential parts quickly and efficiently. Our design includes an easy fan cleaning mechanism, ensuring optimal performance of your sweeper.

Proactive maintenance is crucial in preventing operational disruptions. That's why we make sure that spare parts for the Lynx 2000 are always available. Our extensive network of suppliers and service providers ensures that you can source the parts you need quickly and conveniently.

Our commitment to you extends far beyond the point of purchase. We are committed to ensuring that your Lynx 2000 continues to deliver outstanding performance, year after year.



Sweeping unit

Disc brush diameter	850 mm
Sweeping width (2 brush system)	2860 mm
Sweeping width (3 brush system)	3100 mm

Weights

Empty weight	3100 kg
Gross vehicle weight (GVW)	5000 kg

Drive

Transport speed max.	50 km/h
Working speed max.	12 km/h
Gradeability	Up to 25% / 30%

Engine

Model	VM R754 Euro6 turbodiesel engine
Exhaust treatment	DOC & DPF+SCR
Gross rated power	62 kW @ 2300 rpm
Maximum torque	270 Nm @ 1350 rpm
Fuel tank volume	65 L

Steering

Wheel diameter	15"
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Hopper

Total volume	2.0 m³
Discharge height	1550 mm

Water capacity

Fresh water capacity	230 L
Total water capacity	400+ L

Battery

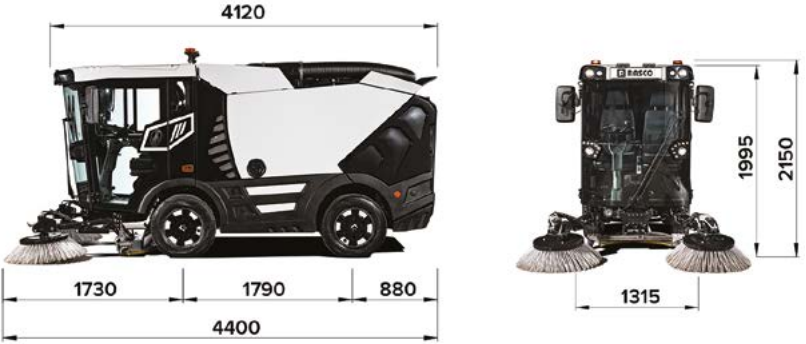
Battery type	Lithium ion
Battery capacity	72,5 kWh
Nominal voltage	345 V
Operating time	Up to 8 hours

Power system

Electric drive motor	55 kW
LS pump electric motor	18,5 kW
Suction fan electric motor	11,5 kW

Charger

Onboard charger	22 kW
Charging time	Up to 4h
Charging connector	Type 2



RASCO reserves the right to change the characteristics and specifications of products listed in this brochure without notice. The content is for informational purposes only and cannot be used for other purposes.





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