

hoschung 



Strong, daring and
reliable powered by
ELECTRIC

Pony

P3.0

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Strong, daring and reliable powered by ELECTRIC

Strong and yet compact the Pony P3.0 was engineered to be the 100% electric multipurpose carrier of tomorrow releasing 0 (zero) Emission. The Pony's all electric power-train delivers unparalleled performance in all weather conditions. Equipped with a quadruple motor All-Wheel Drive system powered by the Boschung engineered lithium-ion battery The Pony P3.0 will grant you an entire work shift in just 100 minutes of charging time.

The Pony P3.0 offers a series of electrically powered equipment adapting to your year-round daily tasks. Transforming the Pony P3.0 from a street sweeper to a fully equipped winter maintenance vehicle in just 10 minutes is now possible with the newly engineered Quick Switch System.

Agile and versatile, the Pony P3.0 is the result of over 50 years of constant development work, transforming the 1970 Pony from a revolutionizing work tool to a most efficient, sustainable and modernized better version of itself.

Charging time
100 minutes

Working time
1 shift

Quadruple Motor
All-wheel drive

10 minutes
Quick Switch System





Year-round versatility and efficiency

The redesign of the Pony P3.0 expresses the adventure-readiness of this popular multipurpose carrier. Its wide range of summer and winter equipment, its newly engineered Quick Switch System and its ease of use make it the perfect work tool for yearly performance in a multitude of ways.

The front mounting triangle simply holds the attachments as the back equipment are easily slide on a rail making it completely effortless to handle.



Tipper



Width

1,150 mm

Length

1,925 mm

Depth

300 mm

Made out of a galvanized frame with an aluminum floor plate the tipper body can be used to transport bulk items or for the specific filling for the rear-mounted spreader.

The vehicle can be optionally equipped with a trailer hitch (ball head), with a drawbar load of 150 kg and a trailer weight of max. 2,100 kg.

Universal Hopper UB-P



Capacity

2m³

Built out of aluminum, the ultra-light 2m³ Universal Hopper can be used for different applications such as sweeping, mowing or scrubbing. The electric turbine enabling the most powerful suction force and strategically placed on top of the hopper delivers an airflow of 8,500 m³/h granting exceptional sweeping performances, leaving no chance to dirt. The hopper can tilt up to a height or more than 1,600 mm to ensure the collected waste can be emptied properly. Cleaning of the small particles is done by simply applying water pressure into the filtering grates without having to open any hatches or doors. No filter replacement is ever needed.

Summer Equipment

High pressure washer



Washing bar width
1,200 mm - 1,400 mm

Side nozzles, high pressure cleaner spray heads and various containers for disinfectants are available as options.

Universal Hopper BUKB-P 1400



Capacity
1,400 l

The ultra-lightweight plastic tank is used in the warm season for watering and in winter service for FullWet® brine spraying - with rear-mounted spray bar - and holds up to 1,400 liters of water, with an additional 190 liters of fresh water in the tank behind the cab. The high-pressure pump installed in the tank allows a flow rate of up to 67 l/min.

The optional high-pressure lance with a hose length of 10 m also becomes a pouring arm by simply turning the tip. The boom, which can be rotated by 160°, allows access to every corner.

Mounted sweeper



Sweeping width

1,200 mm - 2,100 mm

Installed directly onto the front mounting triangle the sweeper brushes are driven by two separate electric motor. The arms are controlled by the double joystick and are adjusted individually. Working width can easily be fine-tuned. The arms are equipped with a mechanical front shock absorber and side collision protection.

Dirt is sucked into the suction mouth and transported to the hopper via the suction pipe. The recycling water from the universal hopper permanently flushes the suction path and prevents any blockage, guaranteeing a perfect suction at all times.

Mounted mower



Mowing width

1,500 mm

Cutting height

30 mm - 100 mm

Fixed onto the front mounting triangle the mowing unit transforms the Pony P3.0 into a complete lawn mower in just a few minutes. Equipped with three blades and driving onto a four-wheel chassis, it is completely electrically driven and easily adjusted. The freshly cut grass is directly sucked into the universal container via a specially engineered suction mouth.

Winter Equipment

Snow plow



Plow width
1,600 mm

Plow height
640 mm

Clearing width
1,370 mm

Attached to the front mounting triangle the single snow plow can be lifted, lowered and swiveled via the joystick control command.

Front broom



Broom diameter
400 mm

Broom width
1,300 mm

Cleaning width
1,125 mm

Directly mounted onto the front mounting triangle the front broom can be lifted, lowered and swiveled via the joystick control command.

Solid / Liquid spreader



Capacity

550 l liquid

800 l solid

Spreading width

up to 6,500 mm

FullWet® liquid spreader



Capacity

1,400 l

Spreading width

1,500 mm - 3,000 mm

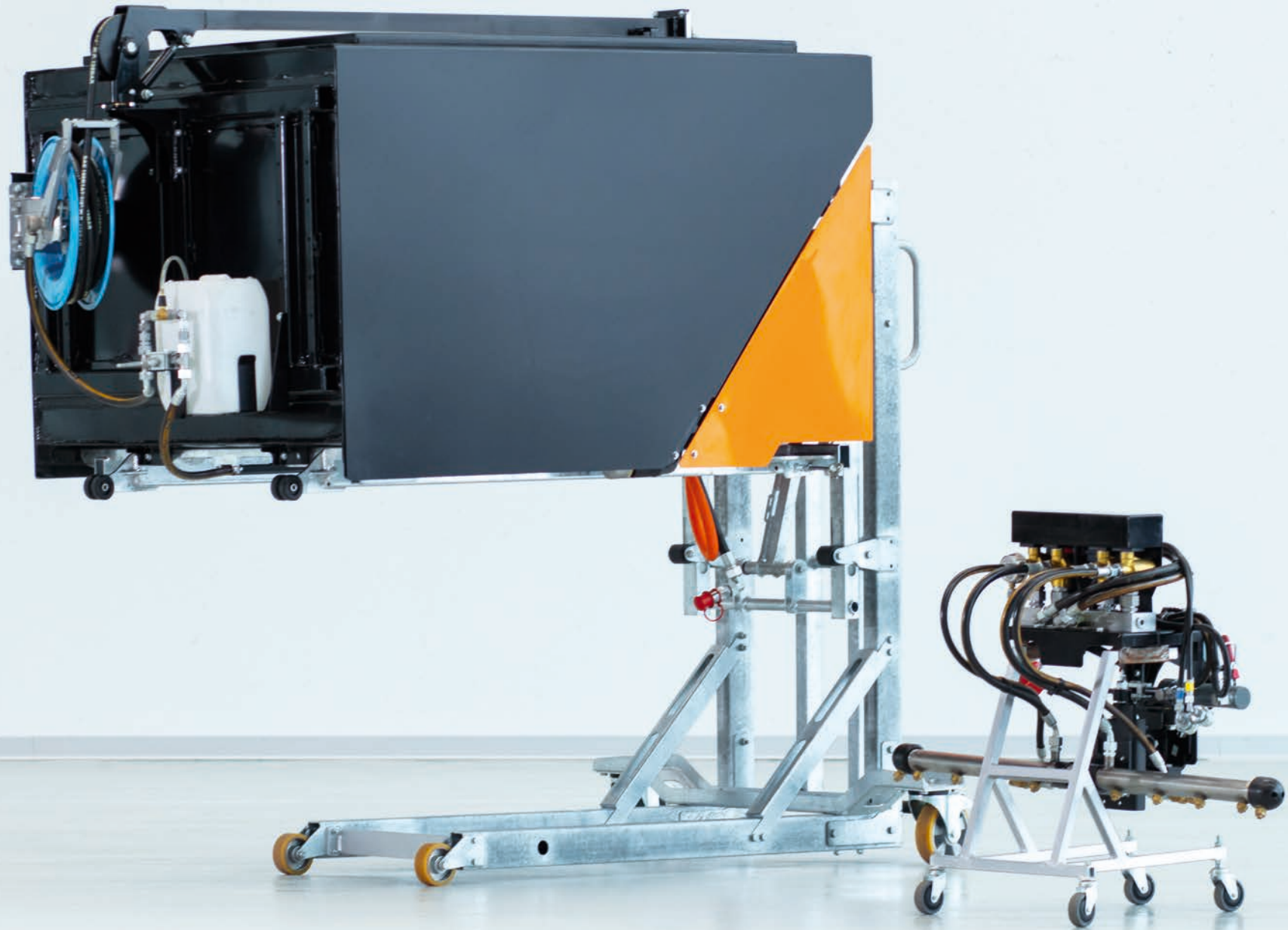
Flexibility and efficiency with the Quick Switch System

Easy storage
10 minutes equipment change

With the new front and back Quick Switch System the Pony P3.0 can be transformed multiple times the same day the most time efficient and effortless way possible. Equipment change is made without the use of any work tools.

Stative storage is easy and doesn't require any particular equipment.





All-Wheel Drive power-train delivering unparalleled performance in all weather conditions

Quadruple motor

All-Wheel Drive

4 independent motors digitally controlling each wheel

Incl. electronic traction control

The All-Wheel Drive power-train of the Pony P3.0 is driven by four independent digitally controlled motors delivering the best handling, traction and stability control throughout all weather conditions.



Agility and precision with maximum dexterity

Articulated steering

for flexibility

Hill holder

for security

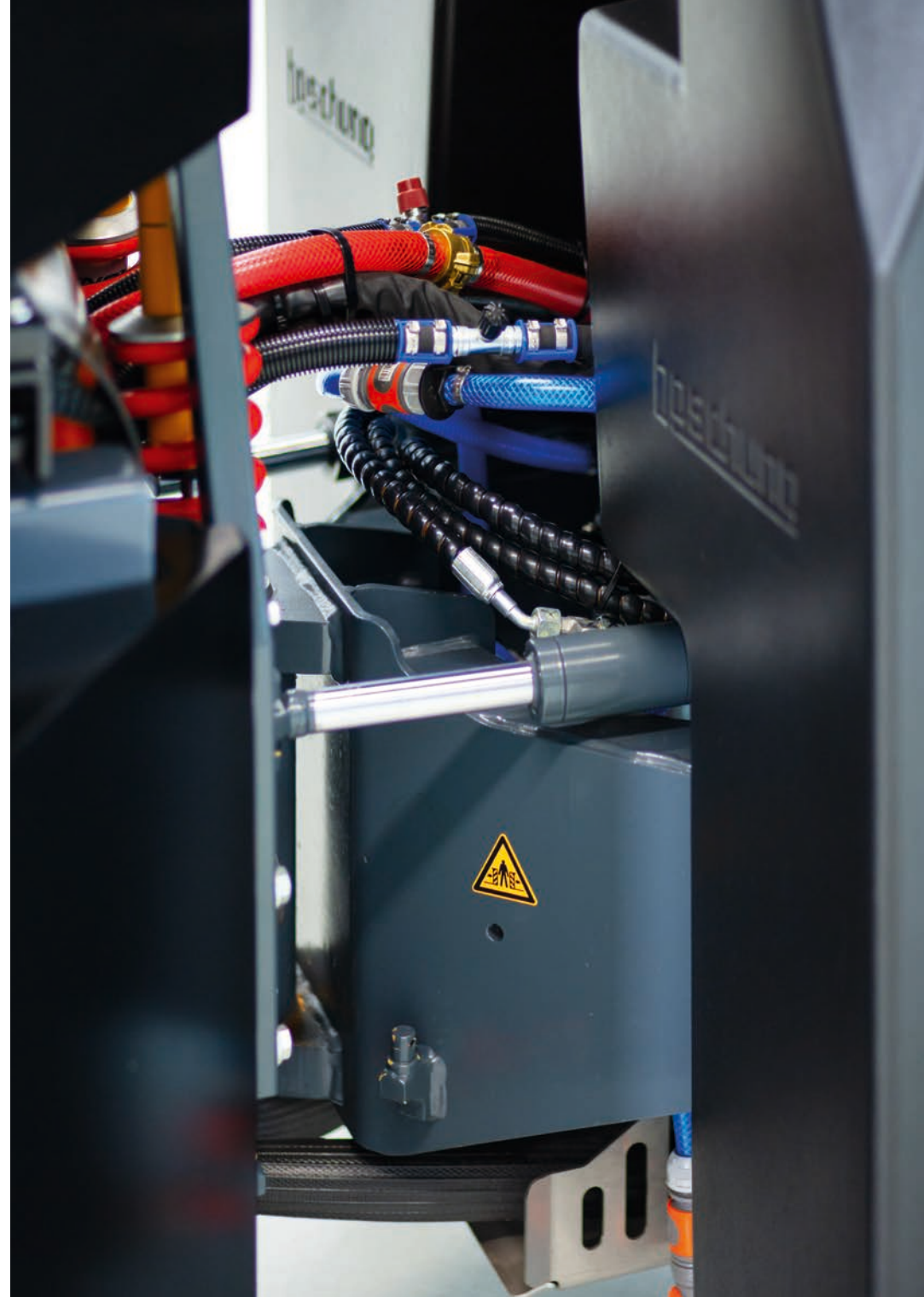
Cruise control

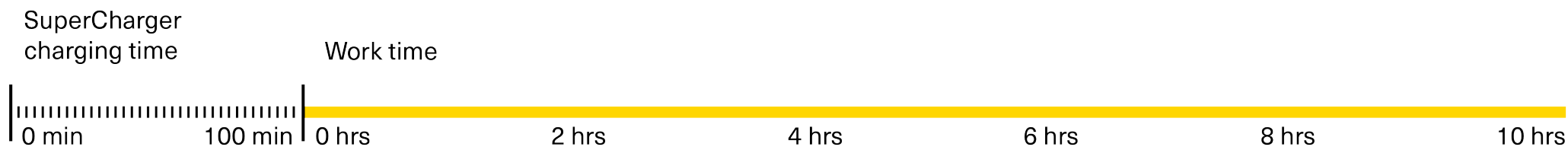
for ease

The articulated steering of the Pony P3.0 is supplied with a directional stabilizer giving the vehicle the most sharpness in turns.

To ensure the most precise work in every situations, the Pony P3.0 is equipped with a 'hill holder' solution that will the vehicle steady while working up or downhill. Automatic full stop is reached as soon as the gas pedal is released even in the most difficult situations.

The cruise control system enables the possibility to maintain constant speed when activated to give the driver the assistance needed to focus on the work being done.





Fast charging to get the work done

100 minutes charging
1 work-shift



SuperCharger for a fast charging time of 100 minutes



StandardCharger for overnight charging

An extraordinary battery to power performance

Capacity
54.4 kWh

At the heart of the Pony P3.0 is the battery, a powerful muscle that keeps the vehicle moving, and whose performance determines how efficient the sweeper can be. Innovative materials and design help optimize the battery's capacity, durability and safety, making this one battery built to perform.

Design

The 54.4 kWh lithium-ion battery counting 12 modules and a total of 4320 cells is integrated directly under the waste hopper compartment providing energy to the power-train with its 4 all-electric motors, equipment and systems.

0 (zero) emission concept

The battery powers all motors and systems of the multipurpose carrier such as:

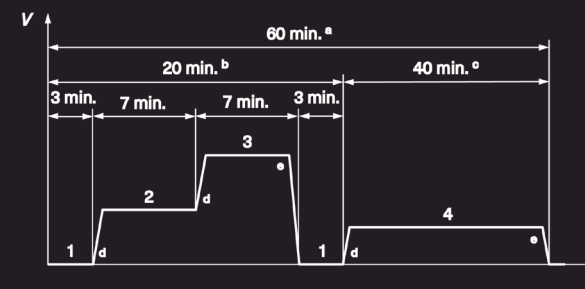
- the power-train motors
- the all year-round equipment
- the heater and air conditioning system

The Boschung engineered all-electric all-wheel drive is driven by 4-wheel motors allowing the 2m³ a driving speed of 40 km/h featuring an automatic differential lock when necessary.



4.17 kWh consumption

for the sweeper, according to DIN EN 15429-2



- gross vehicle weight: 3,500 kg
- tested weight: 2,840 kg
- V_{max} driving speed: 40 km/h
- V_{max} working speed: 18 km/h

Intelligent battery system

Safety

24 temperature sensors were engineered to guarantee the battery surveillance at all time for a maximum battery lifetime.

→ Automatic battery heating and cooling system

Preconditioning of the battery before charging in with low or high temperatures to ensure harmless use of the battery throughout the seasons.

→ Overcharging protection circuit

→ Deep discharge protection

All these intelligent features of the battery were engineered to optimize the battery's capacity, durability and safety.

Energy recuperation system

The battery recuperation system allows your battery to recover energy while on the move.

→ Step 1 - releasing accelerator pedal

→ Step 2 - pre-braking

→ Step 3 - while braking

→ Step 4 - downhill driving

→ Step 5 - turbine switch off



0 (zero) burning fuel

0 (zero) emission released



A panoramic cabin built around the driver

Designed to offer the driver the best display on the work area, the **two-seater panoramic cabin** was built for maximum comfort and flexibility. The walk-through cabin offers the driver the safety to enter and exit the vehicle on either sides.

→ **Transparent floor panel**

Direct view on your work-tools.

→ **Adjustable steering**

The column steering can be adjusted to fit the best work position and ensure the driver the most comfort and ease to deliver the best work.

→ **Temperature-controlled filtered air ventilation**

Comfort is ensured with a good quality of air during cold and hot weather with an electric heating and Air Conditioning system.

→ **Cabin preconditioning system**

Program how you would like your cabin to be preconditioned. The multipurpose carrier will heat up or cool off the cabin using the power from the outlet.

Precision at your fingertips

Intuitive and effortless handle in just one hand.

Tailored to use with ease, the **double joystick control unit** fitted as an extension of the center armrest of the Pony P3.0 gives you the ability to handle all your work tools in just one hand.

Displaying your vehicle status, information and intelligent functionalities, the **touchscreen control unit** of the Pony P3.0 also gives you an overview of the battery management system.

Strategically attached onto the roof of the cabin, the **rear-view camera** will guide the driver during his work routine.



Touchscreen control unit



Connected for smart operations

Every Pony P3.0 is an extension of its driver, and now with the bVision platform that connection is even stronger. bVision unlocks a whole suite of surprising and integrated features for the ultimate connected work tool experience.

With the refined engineering of Boschung and the limitless possibilities of today's connectivity, bVision offers better ways to do simple workday activities.

Available from any computer and Android / iOS smartphones for an intelligent monitoring at anytime and from anywhere.

→ Course tracking

Follow the path of the Pony P3.0 live or analyze it later.

Time at the start of the routine, km traveled, current speed and average speed.

→ Work performance analyzing

Total operating hours, battery state of charge, kW usage and more.

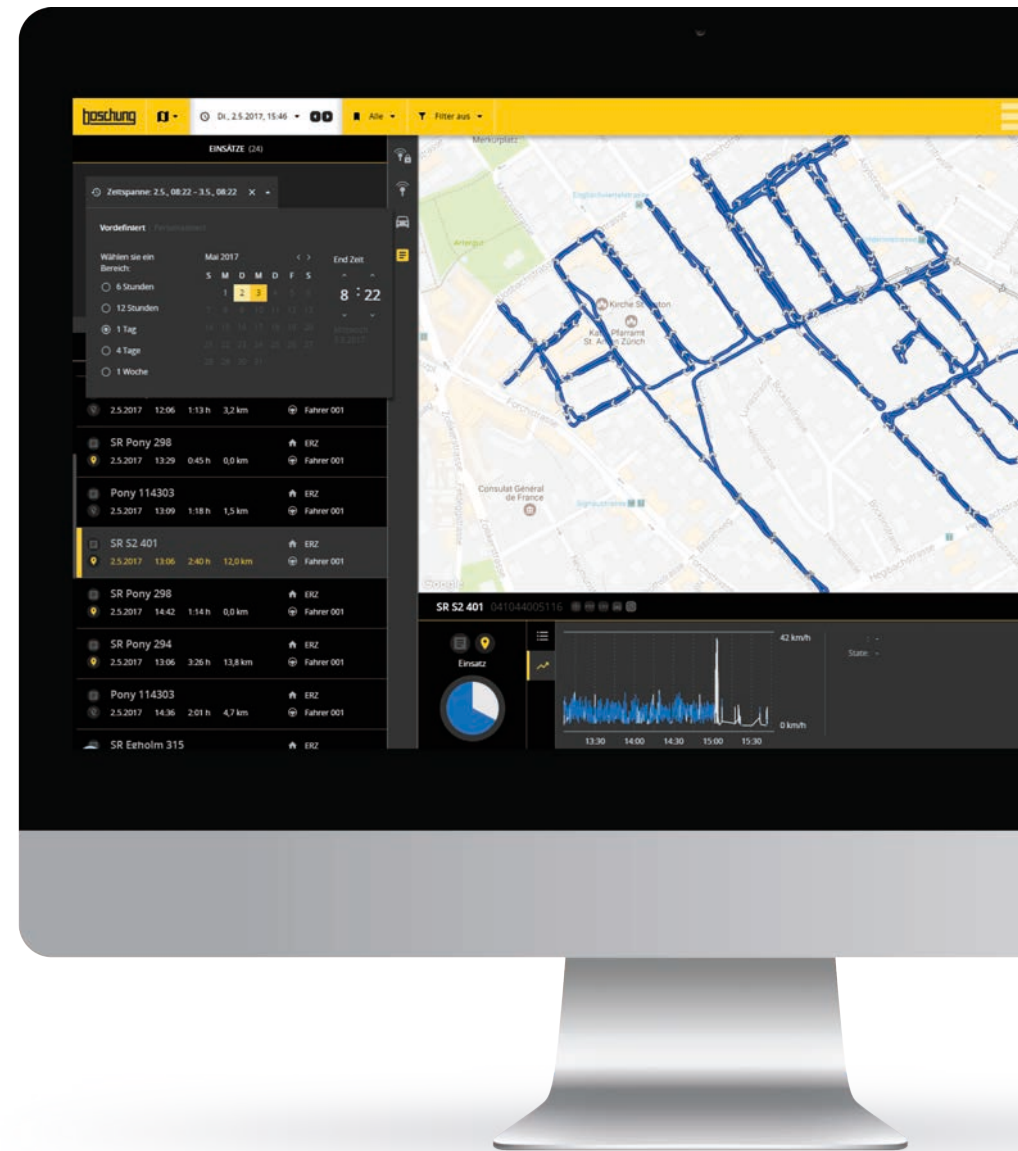
→ Keep track of the equipment

Analyze the equipment in use.

→ Outside air temperature

→ Mission planning

Organize and schedule your missions easily and with efficiency. Trigger missions and send them directly to your operators and to your vehicle's control units.



Specifications

→ Dimensions (approx.):

Length	4,055 mm
Standard width	1,230 mm
Height	1,990 mm
Turning circle	6,750 mm
Turning circle 'curb to curb'	6,300 mm

→ Weights:

Empty weight (incl. driver, without options)	~2,000 kg
Payload	1,500 kg - 2,000 kg
Gross vehicle weight	3,500 kg - 4,000 kg

→ Features:

- All-wheel drive
- Articulated steering with directional stability
- LED Lights
- Air Conditioning system
- Rear view camera

BATTERY

Battery type	Li-ion
Capacity	54.4 kWh
Nominal voltage	96 V
Operating time	up to 10 h

CHARGING SYSTEM

AC On-board	4.8 kW
Charging plug	Type 2
Optional fast charge DC	23.1 kW

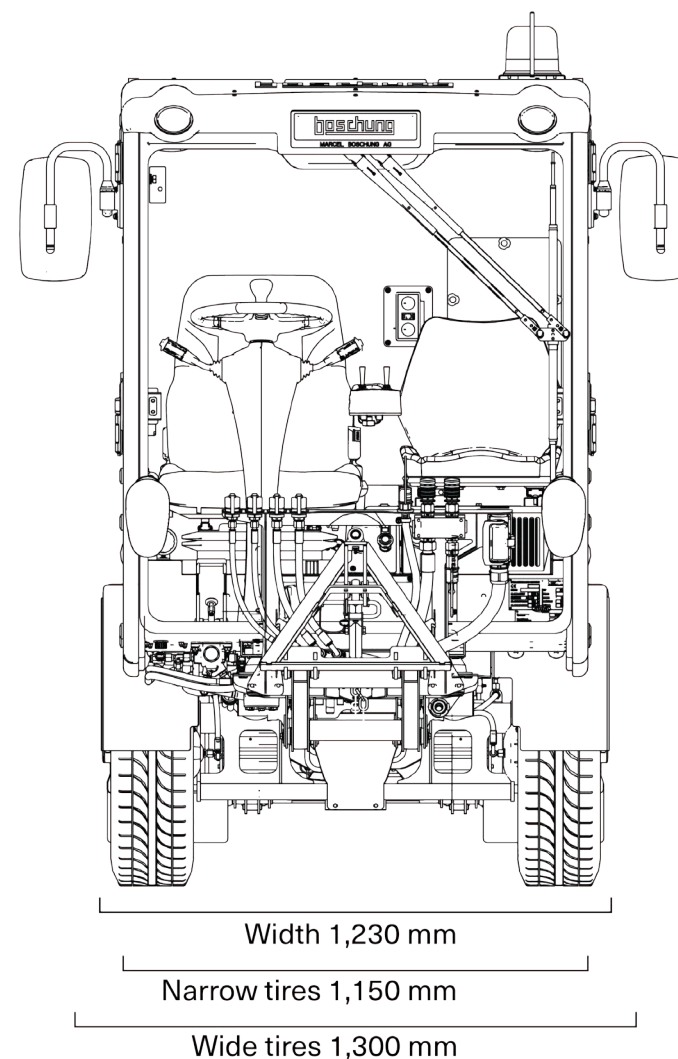
PERFORMANCE

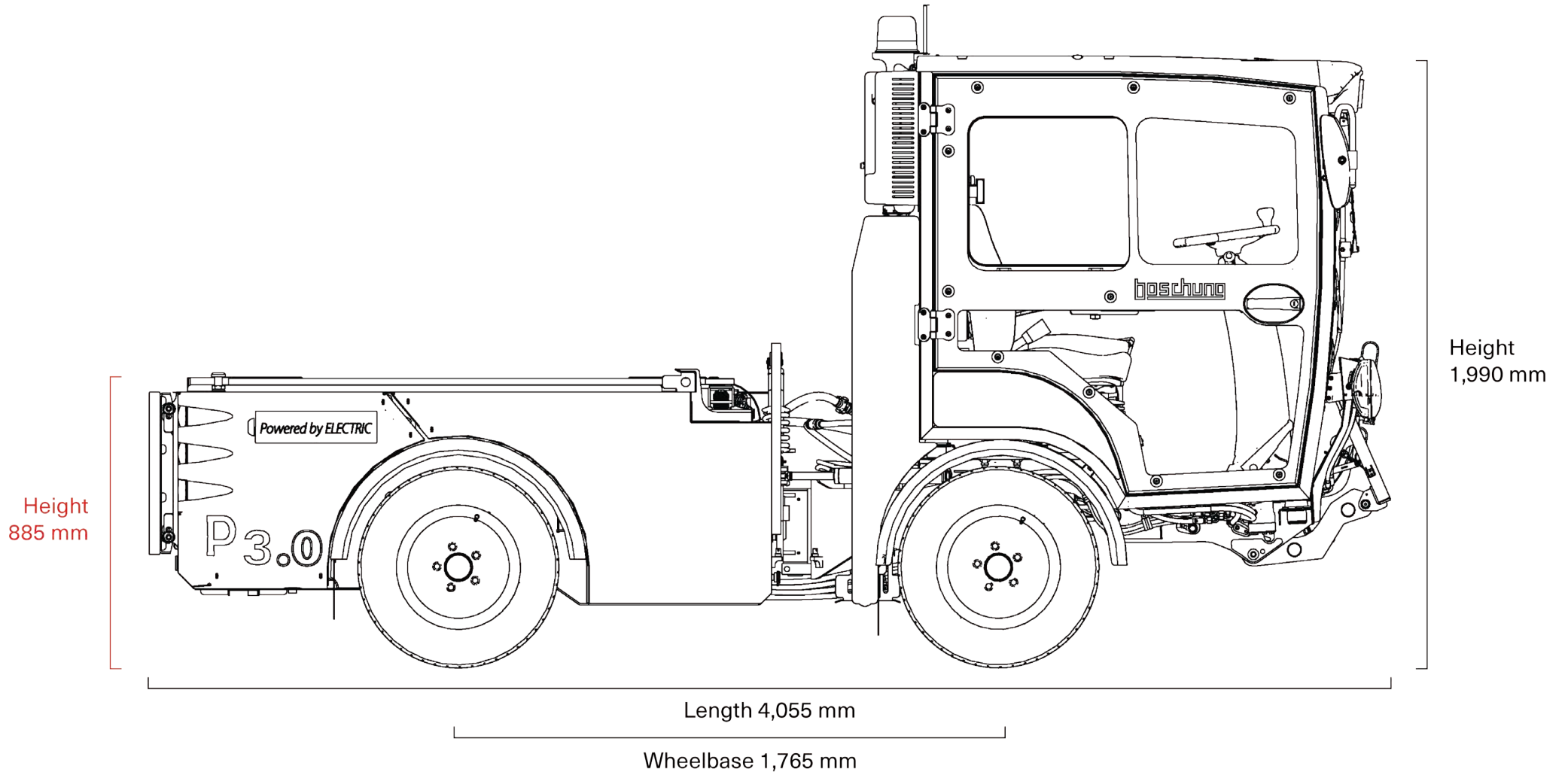
Working speed	0 - 18 km/h
Driving speed	0 - 40 km/h
Electric drive with energy recovery	40 kW

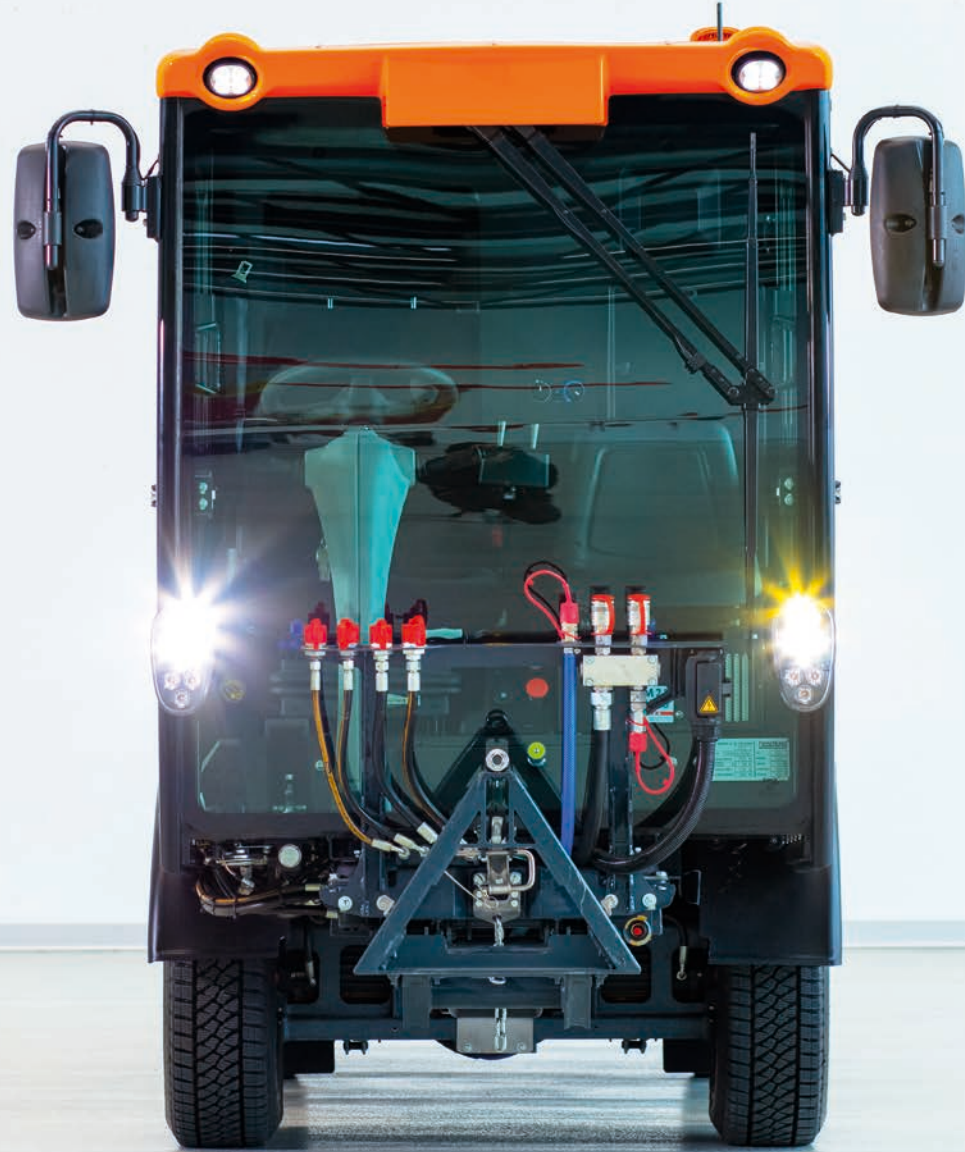
ENVIRONMENTAL PERFORMANCE

Emission	0 (zero)
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Subject to technical modifications without prior notice. 05/2021

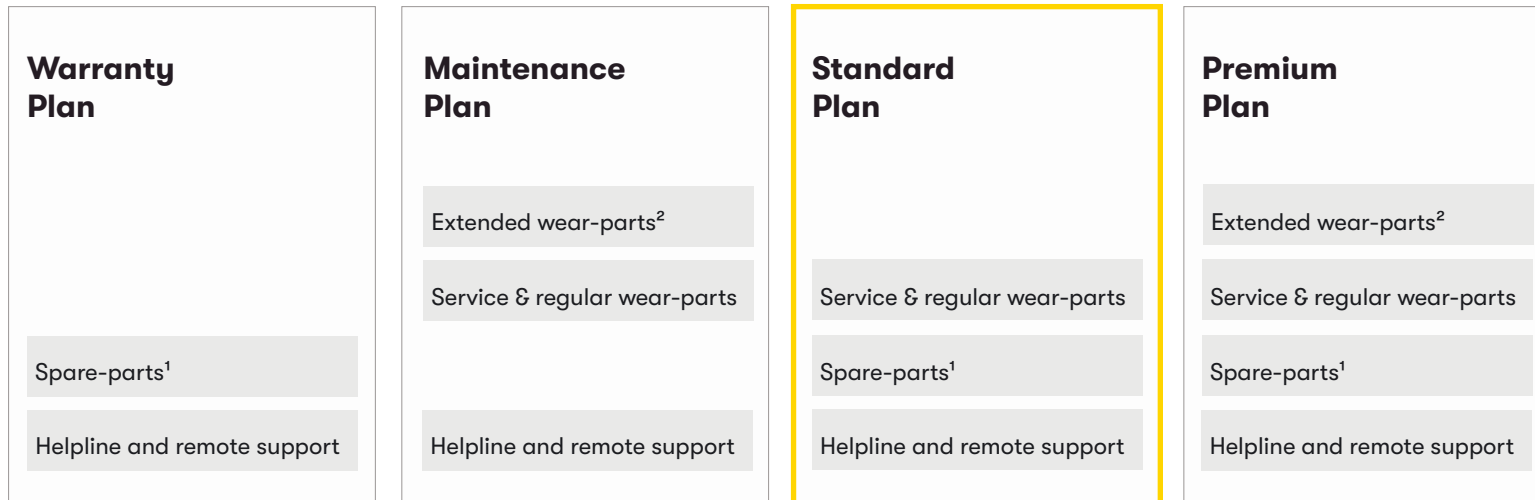






Care Plans

Lock in savings and peace of mind with prepaid scheduled maintenance. Our worldwide certified team is committed to providing the experience, equipment and care you expect. Let us care for you.



Included services:

- Transportation of goods
- Helpline & Remote support

Optional services³:

- Vehicle inspection
- Labor
- 24/7 On call service

Care plan duration and pricing is offered individually based on vehicle, application and intensity. Roadside assistance is not included. Further clarifications: ¹ The Boschung guidelines regarding the product-handling and the General Terms & Conditions regarding warranty exclusion apply also for the care plans. ² Extended wear-parts include: All ground facing elements (i.e. wheels/tires, castors, plows, skids and brooms) and the suction hose. ³ Availability based on agreement with your local certified Boschung dealer.



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