



EE 2 2024

Media information

With the electric motor featuring a permanent drive, the need for a clutch or gearbox is eliminated, allowing children to focus on the fundamental skills needed to ride safely – starting, stopping, and cornering. Additional benefits of the electric powered motors are that they are dust and waterproof, they offer near-silent operation, and the fact that they are completely maintenance free.

New for 2024, the EE 2 introduces young children with a height between 90 cm and 130 cm to the exciting world of riding offroad. Assembled to a very high standard, the EE 2 is designed to bridge the gap between Husqvarna Mobility's balance bikes and the larger models. Offering a run time of up to 100 minutes and with multiple ways to alter the ergonomics, youngsters have plenty of time to perfect their riding skills as they grow in both size and confidence.

Technical information

Electric motor

The EE 2 features a HUB Motor inside the rear wheel, which produces a maximum power output of 1.8 kW. One of the main advantages of this design is that a chain and sprockets are not required. This helps to keep the weight low but also provides a high level of safety for children as it is not possible to be injured by additional rotating parts. The use of an electric motor means there is one permanent drive that eliminates the need for a clutch or gearbox and creates a simple and uncomplicated riding experience for every young rider.



Battery

Easy to remove, quick to re-charge, and fast to re-fit, the Husqvarna BLi300 battery is powerful enough to offer up to 100 minutes of riding time. The small and lightweight lithium-ion battery replicates the same design and connectors as found on all modern power tools, which allows for day-long riding when fully-charged batteries are available.

Battery features and specifications:

- 1500 Charging-Cycles
- High durability
- Riding time: depending on riding skills, track conditions and rider weight 20 – 100 min.
- Type Li-Ion
- Voltage 36V (10p/3s VTC-6)
- 9,4 Ah
- 337 Wh
- Rated IP65 and therefore perfectly protected from wet conditions.

Multi-Function Display

Sleek in design, the Multi-Function Display unit in front of the seat allows parents to toggle through three pre-set ride modes and engage the appropriate setting. Different colour LEDs indicate which mode is activated; blue for walking speed, white for medium power, and green for a top speed of 33 km/h. The current battery level is also displayed on the Multi-Function Display and is clearly visible at a glance.

Charger

The QC500 charger supplies up to 500 W and can be plugged into any 110 or 230 volt socket. From empty, the easy-to-remove battery can be charged to 80% in just 35 minutes while a full charge takes up to one hour. Designed to offer plug and play simplicity, the lithium-ion battery used to power the EE 2 utilises the same design as modern power tools, which means fully charged spare batteries can be fitted quickly for continued riding.

Safety

Before riding can begin, closing the throttle to the stop with a little force will put the EE 2 into riding mode while haptic feedback indicates when the machine is ready to ride. To keep children as safe as possible, a Rollover Sensor (ROS) disengages the power to the rear wheel should the EE 2 fall over at any speed. Riders can also attach a lanyard around their left wrist, which disconnects the power supply if their hand is removed from the handlebars.

Chassis

To create a strong, light, and balanced chassis, the top triple clamp, handlebar mounts, footrest carriers, and brake components are manufactured from high quality, forged aluminium. For the swingarm and skid plate, aluminium is also used but constructed using a high pressure die casting process to add flex and reduce weight.

Frame

The extruded aluminium frame is designed to be strong and durable. The selected high-quality aluminium used in the construction is corrosion free and offers the perfect balance between strength and safety. The subframe is made of a premium glass fibre and impact resistant plastic composite for low weight and maximum shock absorption.



Front suspension

The EE 2 features non-adjustable WP forks to guarantee the highest level of comfort for all young riders. The hydraulic front forks offer 90 mm of travel, which allows children to experience riding across rougher terrain.

Rear suspension

The preload-adjustable WP shock is linked directly to the aluminium swingarm. Offering 70 mm of travel, the shock provides exceptional damping and works as one with the WP forks to create a perfectly balanced machine.



Brakes

For assured braking performance, hydraulic brakes both front and rear are complete with 140 mm discs to ensure the EE 2 is easy to keep under control. The handlebar-mounted brake levers offer full, quick, and easy adjustability so they can be positioned within easy reach of all riders. For simple maintenance, the brake pads adopt the same design as found on many mountain bikes.

Wheels

Lightweight and maintenance-free aluminium wheels are finished with a black powder coating to mirror the look of all full-size offroad machines available from Husqvarna Motorcycles. The 10" wheels are then fitted with KENDA tyres and offer excellent grip on all surfaces, instilling confidence in every rider.

Seat height

Allowing youngsters to continue riding the EE 2 as they grow in size, the new model can be easily adjusted to accommodate growing riders. As standard, the seat height is 470 mm, which can be increased to 500 mm by installing the rear shock in the alternative position and by moving the front forks up through the triple clamps. Additionally, the footpegs can be fitted at two different heights to tailor the ergonomics to suit a wider variety of riders.

Handlebars

The lightweight and strong aluminium handlebars feature a reduced diameter at the grip area with slimmer profile ODI lock-on grips ensuring children can ride in complete control. To underline their premium quality, the handlebars are complete with a high quality, black anodised finish.

Graphics

Modelled after the full-size motocross bikes, the EE 2 features striking and modern graphics to indicate its electric drive. Additionally, the graphics are applied using an in-mould process to ensure the best durability and quality.



Functional Apparel



Kids Railed Helmet

Developed to fit young heads and to offer day-long comfort and protection, the new Kids Railed Helmet is an offroad design with a dual-density EPS inner shell. Other features include: a removable, washable, moisture-wicking inner lining and cheek pads; screw-adjustable peak; and emergency 'help' tabs for the removable cheek pads. The outer edges of the helmet are optimised to fit with a neck brace and offer the security all youngsters need.

Kids Railed Goggles

Designed specifically for children, the Kids Railed Goggles feature anti-fog technology and an anti-scratch coating to ensure youngsters ride with unrestricted vision. A two-layer face foam with a fleece lining ensures maximum sweat absorption and comfort while adhesive silicone strips on the inside of the strap keep the goggles in place at all times.

Kids Flame Boots

Leading motorcycle footwear manufacturer SIDI developed these offroad boots especially for kids, and they are exclusive to Husqvarna Mobility. As expected of both brands, there is a host of safety, comfort and design features including: internal polyurethane protection for vulnerable parts of the foot; metal toe caps; a fixed shin plate; and an anatomical, non-deformable rigid heel. Each boot has three replaceable buckles and memory-regulation straps. SIDI's Flex system allows for safe movement and comfort, and there is a nylon inner sole with a removable foot bed.



Kids Railed Vest Blue

Available from February 2025, the Kids Railed Vest is an essential piece of apparel for youngsters who ride in challenging or wintry conditions. With its stretchy, wind and water repellent shell and breathable mesh lining, in addition to a soft collar, comfort is assured while the YKK zip provides a secure fit.

Kids Railed Shirt

Pure offroad race style in the new Kids Railed Shirt, with mesh inserts and perforated ventilation zones to keep young riders cool and looking good. The PE fabric of the shirt is finely ventilated too, and decorated with UV-resistant, fade-proof sublimation prints.

Kids Railed Pants

Performance offroad pants for kids to match the Kids Railed Shirt. The Kids Railed Pants are reinforced with Cordura® and have a heatproof and abrasion-resistant Kevlar® knee structure. Mesh inserts keep junior riders cool while elasticised panels in movement-intensive areas ensure maximum mobility.

Kids iTrack Railed Gloves

Another exclusive for Husqvarna Mobility by 100%, the Kids iTrack Railed Gloves are truly lightweight performance motocross garments. With perforated palms and mesh between the fingers for ventilation, they also have silicone print for better grip and control.

Technical Accessories



Rear Sprocket

Made of high-strength, extremely lightweight aluminium with a sophisticated anodised surface finish, the Technical Accessories Rear Sprocket reduces rotating mass and vibration for optimum power transmission efficiency. Precisely ground to 0.002 mm, the rear sprocket offers a straight and impact-free chain track.

Chain Guide

A precision-moulded, competition-developed guide helps to keep the drive train tracking true on the sprockets to prevent it from jumping. The Chain Guide is a high quality and incredibly long-lasting upgrade designed to withstand the toughest of offroad conditions.

Valve Cap Set

Anodised high-strength aluminium valve caps are both stylish and durable, improving overall aesthetics and providing a factory racing team appearance.



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