

## RIDING EXPERIENCE AT UP TO 45 KM/H

The 14-inch front wheel and 13-inch rear wheel offer excellent manoeuvrability. The hub motor delivers a consistent and strong performance. The outstanding ergonomic design and efficient shock absorption system ensure a comfortable driving experience.

The EK1 has a long wheel base of 1350mm and a distance of 125 mm from the ground. The generous dimensions – 1900mm length, 690 mm width, 1130 mm height – offer a correspondingly great driving experience. In addition, the EK1 has a maximum load capacity of 170 kg and offers space for up to two people.



## HORWIN EK1 BECOMES ELEMENTARY ECO

The special model Elementary ECO from HORWIN is probably the most sustainable scooter in the world. In terms of construction and equipment, it corresponds to the HORWIN EK1. But there is one big difference: The body and the synthetic leather for the bench are made from 100% recycled plastic.



### NOISELESS

The EK1 moves noiselessly. Even at high speeds the only thing you'll hear is the tyre noise.

### NO BAD SMELLS

No exhaust gases means no emissions. So smelly clothes are a thing of the past.

### LOW MAINTENANCE COSTS

The motor is maintenance-free. Only certain parts of the brake system and the tyres have to be replaced from time to time.



## HORWIN EK1 *Light*

### DIFFERENCES TO EK1

Max. speed 25 km/h (limited)

#### VERSION STANDARD RANGE

Max. range 80 km (battery 26 Ah)

#### VERSION COMFORT RANGE

Max. range 120 km (battery 36 Ah)

# DATA

## HORWIN EK1

### SIZE & MOTOR

Length 1900 mm  
Width 690 mm  
Height 1130 mm  
Seat height 780 mm



Hub motor  
FOC energy management  
Battery Standard Range: 72V, 26Ah  
Battery Comfort Range: 72V, 36Ah

### DIMENSIONS

Front wheel hub	MT 2.5x14	Min. ground clearance	125 mm front wheel hub
Rear wheel hub	MT 3.0x13	Kerb weight	92 kg
Front wheel	100/80-14	Technically permissible maximum laden mass	281 kg
Rear wheel	110/70-13	Hub	Aluminium alloy
Wheelbase	1320 mm		
Tyres	front 14"/ rear 13"		

### SPECIFICATIONS

Rated power	2 kW	Max. speed	45 km/h (limited)
Maximum power	2.8 kW	Loading cycles	approx. 1000 times
Nominal rpm	480 rpm	Braking system	Disc brake
Maximum torque	145 Nm	Charging time	5 A/ approx. 5 h (0-100%)

### RANGES

#### VERSION STANDARD RANGE

Max. range 70 km (battery 26 Ah)

#### VERSION COMFORT RANGE

Max. range 100 km (battery 36 Ah)

### HIGHLIGHTS

LED lights all around (front, rear, indicator lamps)	Cruise control
Automatic light switch-off delay	Reverse gear
Helmet storage compartment under the seat	Ergonomic design

### LOW OPERATING COSTS

Fully charging the battery costs less than 1 euro (depending on the country). The savings are obvious.

### LOW INSURANCE COSTS

The costs of insuring electric vehicles are usually lower than for petrol-driven vehicles (depending on the country).

### ECO-FRIENDLY

The HORWIN EK1's power unit is probably the most sustainable and eco-friendly way to get from A to B.