COMPLETE VEHICLE
EU CERTIFICATE OF CONFORMITY

The undersigned, Mr. ZHOU WEI / Legal person
Hereby certifies that the following complete vehicle:

0.1. Make (trade name of the manufacturer): HORWIN
0.2. Type: EK3 (CV * Type): N.A.
0.2.1. Variant: 00 (CV * Variant): N.A.
0.2.2. Version: 01 (CV * Version): N.A.
0.2.3. Commercial name (if available): EK3, HORWIN EK3
(CV * Commercial name (if available)): N.A.
0.3. Category, subcategory and sub-subcategory of vehicle: L3e-A1
(CV * Category, subcategory and sub-subcategory of vehicle): N.A.
0.4. Company name and address of manufacturer:
XL HOLDING GROUP (HK) CO., LIMITED
ROOM 2105, SHI2242, TREND CENTRE, 29-31 CHEUNG LEE STREET, CHAI WAN, HONG KONG, CHINA
0.4.2. Name and address of manufacturer's authorised representative (if any):
HORWIN Europe GmbH
Kammerstorf 173, A-2033 Kammerstorf, AUSTRIA
0.5.1. Location of the manufacturer's statutory plate(s): L x 680 y 105, z 175
0.5.2. Method of attachment of the manufacturer's statutory plate(s): By riveted
0.6. Location of the vehicle identification number: R, x 377, y 2, z 421
1. Vehicle identification number: ☆R4SEKH86M2001315☆

Confirms in all respects to the type described in ETI type-approval e9*168/2013*11678*00 (type-approval number including extension number) (CV* type-approval number including extension number) issued on 24/09/2020 (date of issue) (CV* date of issue) and

can be permanently registered in Member States having right/left-hand traffic and using metric/imperial units for the speedometer.

Hong Kong, China — Place
27/09/2021 — Date

(signature)

General construction characteristics

1.1. Number of axles: 2
1.3.1. Axles with twinned wheels: N.A.
6.2.4. Powered axles: 2
Advanced braking system: ABS: ~~CBS / both ABS and CBS / None~~ CBS

Main dimensions

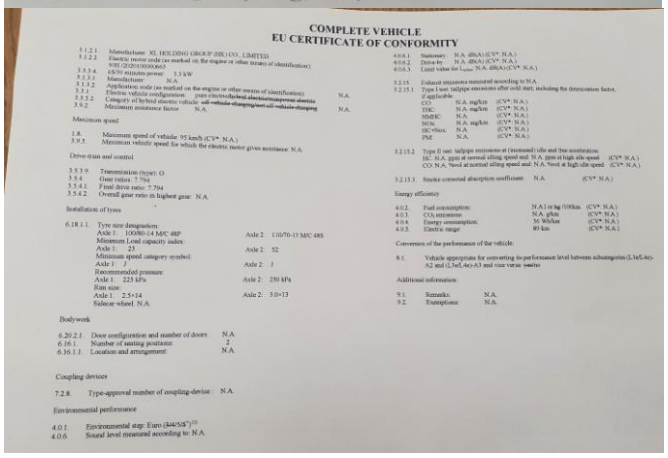
2.2.1. Length: 1900 mm
2.2.2. Width: 690 mm
2.2.3. Height: 1150 mm
2.2.4. Wheelbase: 1320 mm
2.2.4.1. Wheelbase inlecar: N.A.
2.2.5. Track width: N.A.
2.2.5.1. Track width front: N.A.
2.2.5.2. Track width rear: N.A.
2.2.5.3. Track width tailcar: N.A.
2.2.10.6. Ground clearance between the axles: N.A.
2.2.15. Wheelbase to ground clearance ratio: N.A.
2.2.17. Seat height: N.A.

Masses

2.1.1. Mass in running order: 95 kg
2.1.2. Actual mass: 180 kg
2.1.3. Technically permissible maximum laden mass: 284 kg
2.1.3.1. Technically permissible maximum mass on front axle: 96 kg
2.1.3.2. Technically permissible maximum mass on rear axle: 198 kg
2.1.3.3. Technically permissible maximum mass on inlecar axle: N.A.
2.1.7. Technically permissible maximum towable mass:
Braked: N.A. Unbraked: N.A.
2.1.7.1. Technically permissible maximum laden mass of the combination: N.A.
2.1.7.2. Technically permissible maximum mass at the coupling point: N.A.

Powertrain

3.1.1.1. Manufacturer: N.A.
3.1.1.2. Engine code (as marked on the engine or other means of identification): N.A.
3.2.1.2. Working principle of the combustion engine: ~~internal combustion engine / CI 4-stroke ignition/compression ignition/internal combustion engine (CI)/Carbon/compressed air~~
3.2.1.4.1. Number of cylinders: N.A.
3.2.1.4.2. Arrangement of cylinders: ~~I / V / O / S~~
3.2.1.5. Engine capacity: N.A.
1.9. Maximum net power:
N.A. (CV* N.A.)
1.10. Ratio maximum net power/mass of the vehicle in running order:
N.A. (CV* N.A.)
3.2.3.1. Fuel type: N.A.
3.2.3.2. Vehicle fuel combination: ~~mono fuel/bi fuel/flex fuel~~
3.2.3.2.1. Maximum amount of bi-fuel acceptable in fuel: N.A.



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3.1.2.1. Manufacturer: XL HOLDING GROUP (HK) CO., LIMITED
3.1.2.2. Electric motor code (as marked on the engine or other means of identification): WH_D2D130000663
3.3.3.4. 15/30 minutes power: 3.3 kW
3.1.3.2. Manufacturer: N.A.
3.1.1. Applicant code (as marked on the engine or other means of identification): N.A.
3.3.2.2. Electric vehicle configuration: pure electric/~~hybrid electric/compressed air~~
3.9.2. Category of hybrid electric vehicle: ~~off-vehicle charging/not off-vehicle charging~~ N.A.
Minimum assistance factor: N.A.

Maximum speed

1.8. Maximum speed of vehicle: 95 km/h (CV* N.A.)
3.9.5. Maximum vehicle speed for which the electric motor gives assistance: N.A.

Drive-train and control

3.5.3.9. Transmission (type): O
3.5.4 Gear ratios: 7.794
3.5.4.1. Final drive ratio: 7.794
3.5.4.2. Overall gear ratio in highest gear: N.A.

Installation of tyres

6.18.1.1. Tyre size designation:
Axle 1: 100/80-14 M/C 48P — Axle 2: 110/70-13 M/C 48S
Minimum Load capacity index:
Axle 1: 23 — Axle 2: 52
Minimum speed category symbol:
Axle 1: J — Axle 2: J
Recommended pressure:
Axle 1: 225 kPa — Axle 2: 250 kPa
Rim size:
Axle 1: 2.5×14 — Axle 2: 3.0×13
Sidecar wheel: N.A.

Bodywork

6.20.2.1. Door configuration and number of doors: N.A.
6.16.1. Number of seating positions: 2
6.16.1.1. Location and arrangement: N.A.

Coupling devices

7.2.8. Type-approval number of coupling device: N.A.

Environmental performance

4.0.1. Environmental step: Euro ~~3/4/5/5~~[5]
4.0.6. Sound level measured according to: N.A.

4.0.6.1. Stationary: N.A. dB(A) (CV* N.A.)
4.0.6.2. Drive-by: N.A. dB(A) (CV* N.A.)
4.0.6.3. Limit value for L_{urban}: N.A. dB(A) (CV* N.A.)

3.2.15. Exhaust emissions measured according to: N.A.
3.2.15.1. Type I test: tailpipe emissions after cold start, including the deterioration factor, if applicable:

CO:	N.A. mg/km	(CV* N.A.)
THC:	N.A. mg/km	(CV* N.A.)
NMHC:	N.A.	(CV* N.A.)
NOx:	N.A. mg/km	(CV* N.A.)
HC+NOx:	N.A.	(CV* N.A.)
PM:	N.A.	(CV* N.A.)

3.2.15.2. Type II test: tailpipe emissions at (increased) idle and free acceleration:
HC: N.A. ppm at normal idling speed and: N.A. ppm at high idle speed (CV* N.A.)
CO: N.A. %vol at normal idling speed and: N.A. %vol at high idle speed (CV* N.A.)
3.2.15.3. Smoke corrected absorption coefficient: N.A. (CV* N.A.)

Energy efficiency

4.0.2. Fuel consumption: N.A l or kg /100km (CV* N.A.)
4.0.3. CO_2 emissions: N.A. g/km (CV* N.A.)
4.0.4. Energy consumption: 56 Wh/km (CV* N.A.)
4.0.5. Electric range: 80 km (CV* N.A.)

Conversion of the performance of the vehicle:

8.1. Vehicle appropriate for converting its performance level between subategories (L3e/L4e)-A2 and (L3e/L4e)-A3 and vice versa: yes/no

Additional information:

9.1. Remarks: N.A.
9.2. Exemptions: N.A.