



# COMPLETE VEHICLE EU CERTIFICATE OF CONFORMITY

The undersigned, Ms. Jian Tianxiu, General Manager  
Hereby certifies that the following complete vehicle:

- 0.1. Make (trade name of the manufacturer): **ROODER**
- 0.2. Type: **M2** (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): **M2**  
(CV \* Commercial name (if available)): N.A.
- 0.3. Category, subcategory and sub-subcategory of vehicle: **L1e-B**  
(CV \* Category, subcategory and sub-subcategory of vehicle): N.A.
- 0.4. Company name and address of manufacturer:  
**MANGOSTEEN TECHNOLOGY CO., LIMITED**  
**FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING 18 JAVA ROAD, NORTH POINT,**  
**HONG KONG, CHINA**
- 0.4.2. Name and address of manufacturer's authorised representative (if any):  
**GreenKar Automotive S.r.l.**  
**Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy**
- 0.5.1. Location of the manufacturer's statutory plate(s): **L, x950, y180, z160**
- 0.5.2. Method of attachment of the manufacturer's statutory plate(s): **By riveted**
- 0.6. Location of the vehicle identification number: **R, x320, y30, z750**
- 1. Vehicle identification number:

Conforms in all respects to the type described in EU type-approval e9\*168/2013\*11759\*02(type-approval number including extension number) (CV\* type-approval number including extension number) issued on 27.10.2022 (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

Date

(signature)

## General construction characteristics

- 1.3. Number of axles: **2** and wheels: **2**
- 1.3.1. Axles with twinned wheels: **N.A.**
- 1.3.2. Powered axles: **R**
- 6.2.4. Advanced braking system: **ABS / CBS / Both ABS and CBS / None: None**

## Main dimensions

- 2.2.1. Length: **2130 mm**
- 2.2.2. Width: **880 mm**
- 2.2.3. Height: **1160 mm**
- 2.2.4. Wheelbase: **1580 mm**
- 2.2.4.1. Wheelbase sidecar: **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 sidecar: **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: **88 kg**
- 2.1.2. Actual mass: **174 kg**
- 2.1.3. Technically permissible maximum laden mass: **249 kg**
- 2.1.3.1. Technically permissible maximum mass on front axle: **89 kg**
- 2.1.3.2. Technically permissible maximum mass on rear axle: **160 kg**
- 2.1.3.3. Technically permissible maximum mass on sidecar 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 (ICE)~~ **positive ignition/compression ignition/external combustion engine (ECE)/turbine/compressed air**
- 3.2.1.4.1. Number of cylinders: **N.A.**
- 3.2.1.4.2. Arrangement of cylinders: **L1/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: **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 bio-fuel acceptable in fuel: **N.A.**



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- 3.1.2.1. Manufacturer: Wuxi Yuma Power Technology Co., Ltd.  
3.1.2.2. Electric motor code (as marked on the engine or other means of identification):
- 3.3.3.4.  $\pm$ 5/30 minutes power: 2.0 kW  
3.1.3.1. Manufacturer: N.A.  
3.1.3.2. Application code (as marked on the engine or other means of identification): N.A.  
3.3.1. Electric vehicle configuration: pure electric/hybrid electric/manpower electric  
3.3.5.2. Category of hybrid electric vehicle: off-vehicle charging/not off-vehicle charging  
3.9.2. Maximum assistance factor: N.A.

#### Maximum speed

- 1.8. Maximum speed of vehicle: 25 km/h (CV\*: N.A.)  
3.9.3. Maximum vehicle speed for which the electric motor gives assistance: N.A.

#### Drive-train and control

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

#### Installation of tyres

- 6.18.1.1. Tyre size designation:  
Axle 1: 165/45-12, 46J Axle 2: 215/40-12, 52M  
Minimum Load capacity index:  
Axle 1: 24 Axle 2: 44  
Minimum speed category symbol:  
Axle 1: B Axle 2: B  
Recommended pressure:  
Axle 1: 200 kPa Axle 2: 250 kPa  
Rim size:  
Axle 1: 5.5 x 12" Axle 2: 7.5 x 12"  
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 5 (3/4/5/5+)  
4.0.6. Sound level measured according to: N.A.  
4.0.6.1. Stationary: N.A. (CV\*: N.A.)  
4.0.6.2. Drive-by: N.A. (CV\*: N.A.)  
4.0.6.3. Limit value for Lurban: N.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.	(CV*: N.A.)
THC:	N.A.	(CV*: N.A.)
NMHC:	N.A.	(CV*: N.A.)
NOx:	N.A.	(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. (CV\*: N.A.)  
4.0.3. CO<sub>2</sub> emissions: N.A. (CV\*: N.A.)  
4.0.4. Energy consumption: 28 Wh/km (CV\*: N.A.)  
4.0.5. Electric range: 82 km (CV\*: N.A.)

#### Conversion of the performance of the vehicle:

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

#### Additional information:

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