



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**
(CV * Type): N.A.
- 0.2. Type: **M2**
(CV * Type): N.A.
- 0.2.1. Variant: **01**
(CV * Variant): N.A.
- 0.2.2. Version: **00**
(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*01 (type-approval number including extension number) (CV* type-approval number including extension number) issued on 11.05.2021 (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

简天秀

(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: **85 kg**
2.1.2. Actual mass: **171 kg**
2.1.3. Technically permissible maximum laden mass: **221 kg**
2.1.3.1. Technically permissible maximum mass on front axle: **80 kg**
2.1.3.2. Technically permissible maximum mass on rear axle: **141 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: **LH/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. 15/30 minutes power: 3.0 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: 45 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: 20 Axle 2: 41
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 × 12" Axle 2: 7.5 × 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: 1
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 L_{urban}: 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. CO₂ emissions: N.A. (CV*: N.A.)
4.0.4. Energy consumption: 33 Wh/km (CV*: N.A.)
4.0.5. Electric range: 69 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.