



CERTIFICADO DE HOMOLOGACIÓN DE TIPO UE DE VEHÍCULO COMPLETO /

EU WHOLE-VEHICLE TYPE-APPROVAL CERTIFICATE

EXTENSION III

Comunicación relativa a / *Communication concerning:*

- ~~La homologación de tipo UE de un vehículo <sup>(1)</sup> /~~  
~~EU whole-vehicle type-approval <sup>(1)</sup>~~
  - La extensión de la homologación de tipo UE de un  
vehículo <sup>(1)</sup> / *extension of EU whole-vehicle type-approval <sup>(1)</sup>*
  - ~~La denegación de la homologación de tipo UE de un~~  
~~vehículo <sup>(1)</sup> / *refusal of EU whole-vehicle type-approval <sup>(1)</sup>*~~
  - ~~La retirada de la homologación de tipo UE de un~~  
~~vehículo <sup>(1)</sup> / *withdrawal of EU whole-vehicle type-approval <sup>(1)</sup>*~~
- } de un tipo de vehículo completo /  
of a complete vehicle type

en relación con el Reglamento (UE) nº 168/2013, modificado en último lugar por el Reglamento (UE) nº 2019/129 /  
*with regard to Regulation (EU) No. 168/2013, as last amended by Regulation (EU) No. 2019/129*

Número de homologación de tipo UE / *EU type-approval number* : e9\*168/2013\*11377\*03

Motivo de la extensión / *Reason for extension:* Ver informe CN22070920 / *See test report CN22070920*

SECCIÓN I / *SECTION I*

- 0.1. Marca (nombre comercial del fabricante) /  
*Make (trade name of manufacturer)* : MANGOSTEEN, PCFGSL, SUNNYTIMES,  
ROODER, OUYE, IGOO CANSUN CITYCOCO,  
STROLLWHEEL, PUVITER, GAEA, Dogebos,  
Werner Krauter, Gtt group
- 0.2. Tipo <sup>(2)</sup> / *Type <sup>(2)</sup>* : M1
- 0.2.1. Variantes <sup>(2)</sup> / *Variant(s) <sup>(2)</sup>* : 00, 01, 02
- 0.2.2. Versiones <sup>(2)</sup> / *Version(s) <sup>(2)</sup>* : 00, 01
- 0.2.3. Denominaciones comerciales (de haberlas) /  
*Commercial name(s) (if available)* : M1
- 0.3. Categoría, subcategoría y subsubcategoría del  
vehículo <sup>(3)</sup> / *Category, subcategory and*  
*sub-subcategory of vehicle <sup>(3)</sup>* : L1e-B

<sup>(1)</sup> Tachar según proceda / *Delete where not applicable*

<sup>(2)</sup> Indicar el código alfanumérico de tipo-variante-versión o «TVV» asignado a cada tipo, variante y versión, conforme al punto 2.3 de la parte B del anexo I / *Indicate the alphanumeric code Type-Variant-Version or 'TVV' allocated to each type, variant and version as set out in point 2.3 of Part B of Annex I*

<sup>(3)</sup> Clasificación con arreglo al artículo 4 y al anexo I del Reglamento (UE) nº 168/2013; deberá indicarse la codificación, por ejemplo «L3e-A1E» para una motocicleta enduro de prestaciones bajas / *Classified according to Article 4 of and Annex I to Regulation (EU) No 168/2013, the coding shall be indicated, e.g. 'L3e-A1E' for a low-performance Enduro motor-cycle*





- 0.4. Razón social y dirección del fabricante del vehículo completo / *Company name and address of manufacturer of the complete vehicle* : MANGOSTEEN TECHNOLOGY CO., LIMITED  
FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING 18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA
- 0.4.1. Nombre y dirección de las plantas de montaje / *Name(s) and address(es) of assembly plants* : 1. Qingyuan Ouye Technology Co., Ltd.  
Workshop A, 3/f, building A, no.6 workshop, changchong S253 line, xinzhuang, longtang town, qingcheng district, qingyuan city, guangdong province, P. R. China Post Code: 511500
2. Guangdong Mangosteen Technology Co., Ltd.  
The three-floor B factory building, Building A, Block A, Xinzhuang Changchong S253 Line, Longtang Town, Qingyuan City, Qingyuan City. Post Code: 511500
- 0.4.2. En su caso, nombre y dirección del representante autorizado del fabricante / *Name and address of manufacturer's authorised representative, if any* : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy

#### SECCIÓN II / SECTION II

1. Servicio técnico encargado de realizar los ensayos / *Technical service responsible for carrying out the tests* : IDIADA AUTOMOTIVE TECHNOLOGY S.A.  
L'Albornar - P.O.Box 20  
E - 43710 Santa Oliva (Tarragona), Spain
2. Fecha del acta de ensayo / *Date of test report* : 22.07.2022
3. Número del acta de ensayo / *Number of test report* : CN22070920

#### SECCIÓN III / SECTION III

El abajo firmante certifica que la descripción del fabricante, que figura en la ficha de características adjunta, del tipo de vehículo indicado anteriormente, del que se han presentado como prototipos una o varias muestras representativas seleccionadas por la autoridad de homologación de tipo UE, es exacta y que los resultados de los ensayos adjuntos son aplicables al tipo de vehículo / *The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle type described above, for which one or more representative samples, selected by the EU type-approval authority, have been submitted as prototypes of the vehicle type and that the attached test results apply to the vehicle type*





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1. El tipo de vehículo completo cumple/~~no cumple~~ <sup>(1)</sup> todos los requisitos pertinentes del anexo II del Reglamento (UE) nº 168/2013\*2019/129 / *The complete vehicle type meets/~~does not meet~~ <sup>(1)</sup> all relevant requirements as listed in Annex II to Regulation (EU) No 168/2013\*2019/129*
  - 1.1. Restricciones de validez <sup>(1)(6)</sup> / *Restrictions of validity <sup>(1)(6)</sup>* : N.A.
  - 1.2. Exenciones aplicadas <sup>(1)(6)(7)</sup> / *Waivers applied <sup>(1)(6)(7)</sup>* : N.A.
  - 1.2.1. Motivos de las exenciones <sup>(1)(7)</sup> / *Reasons for the waivers <sup>(1)(7)</sup>* : N.A.
  - 1.2.2. Requisitos alternativos <sup>(1)(7)</sup> / *Alternative requirements <sup>(1)(7)</sup>* : N.A.
  2. ~~Se concede/~~extiende/~~deniega/~~retira <sup>(1)</sup> la homologación / *The approval is ~~granted/extended/refused/~~withdrawn <sup>(1)</sup>*
  - 2.1. ~~Se concede la homologación con arreglo al artículo 40 del Reglamento (UE) nº 168/2013, de modo que la homologación solo es válida hasta el dd/mm/aa /~~ *The approval is granted in accordance with Article 40 of Regulation (EU) No 168/2013 and the validity of the approval is thus limited to dd/mm/yy.*
- Lugar / Place: Madrid
- Fecha / Date: Ver firma electrónica / *See electronic signature*
- Firma / Signature: EL SUBDIRECTOR GENERAL DE CALIDAD Y SEGURIDAD INDUSTRIAL  
Resolución P.D. del DIRECTOR GENERAL DE INDUSTRIA Y DE LA PYME  
de 25-10-2012

Anexos / Attachments:

- Expediente de homologación / *Information package*
- Resultados de los ensayos / *Test results*
- Nombre de las personas autorizadas a firmar los certificados de conformidad, muestras de sus firmas e indicación de su cargo en la empresa / *Name(s) and specimen(s) of the signature(s) of the person(s) authorised to sign certificates of conformity and a statement of their position in the company*
- Ejemplar cumplimentado del certificado de conformidad / *A completed specimen of the certificate of conformity*

<sup>(1)</sup> Tachar según proceda / *Delete where not applicable*

<sup>(6)</sup> Solamente aplicable a la homologación de tipo de un vehículo como exención para nuevas tecnologías o nuevos conceptos, con arreglo al artículo 40 del Reglamento (UE) no 168/2013 / *Applicable only for type-approval of a vehicle as an exemption for new technology or new concept, pursuant to Article 40 of Regulation (EU) No 168/2013*

<sup>(7)</sup> Solamente aplicable a la homologación de tipo de vehículos de una serie corta nacional, con arreglo al artículo 42 del Reglamento (UE) no 168/2013 / *Applicable only for vehicle type-approval for a national small series, pursuant to Article 42 of Regulation (EU) No 168/2013*





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ADENDA DEL CERTIFICADO DE HOMOLOGACIÓN DE TIPO UE /  
*ADDENDUM TO THE EU TYPE-APPROVAL CERTIFICATE*

Conforme al Anexo VI, Apéndice 3, del Reglamento de Ejecución (UE) número 901/2014\*2020/239 de la Comisión /  
*According to Annex VI, Appendix 3, of Commission Implementing Regulation (EU) number 901/2014\*2020/239*

LISTA DE LOS ACTOS REGLAMENTARIOS QUE CUMPLE EL TIPO DE VEHÍCULO /  
*LIST OF REGULATORY ACTS WITH WHICH THE TYPE OF VEHICLE COMPLIES*

Cumplimentar solo en caso de homologación de tipo de conformidad con el artículo 30, apartado 6, del Reglamento (UE) nº 168/2013 / *To be filled in only in the case of type-approval in accordance with Article 30(6) of Regulation (EU) No 168/2013*

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A. REQUISITOS DE EFICACIA MEDIOAMBIENTAL Y DE RENDIMIENTO DE LA UNIDAD DE PROPULSIÓN / <i>ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE REQUIREMENTS</i>				
1	Emisiones del tubo de escape tras un arranque en frío / <i>Tailpipe emissions after cold start</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo II / <i>Commission Delegated Regulation (EU) No 134/2014 Annex II</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
2	Emisiones del tubo de escape (al ralentí aumentado) o en aceleración libre / <i>Tailpipe emissions at (increased idle) / free acceleration test</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo III / <i>Commission Delegated Regulation (EU) No 134/2014 Annex III</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
3	Emisiones de gases del cárter / <i>Emissions crank-case gases</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo IV / <i>Commission Delegated Regulation (EU) No 134/2014 Annex IV</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
4	Emisiones de evaporación / <i>Evaporative emissions</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo V / <i>Commission Delegated Regulation (EU) No 134/2014 Annex V</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
5	Durabilidad de los dispositivos de control de la contaminación / <i>Durability of pollution-control devices</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo VI / <i>Commission Delegated Regulation (EU) No 134/2014 Annex VI</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
6	Medición de las emisiones de CO <sub>2</sub> consumo de combustible, consumo de energía eléctrica y determinación de la autonomía eléctrica / <i>Measurement of CO<sub>2</sub> emissions, fuel consumption, electric energy consumption and electric range determination</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo VII / <i>Commission Delegated Regulation (EU) No 134/2014 Annex VII</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
7	Ensayos medioambientales del diagnóstico a bordo (DAB) / <i>Environmental on-board diagnosis (OBD) tests</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo VIII / <i>Commission Delegated Regulation (EU) No 134/2014 Annex VIII</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---





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8	Nivel sonoro admisible / <i>Permissible sound level</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo IX / <i>Commission Delegated Regulation (EU) No 134/2014 Annex IX</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
9	Procedimientos y requisitos técnicos relativos a la velocidad máxima del vehículo por construcción, el par máximo, la potencia total continua máxima y la potencia de pico máxima / <i>Procedures and technical requirements on maximum vehicle design speed, maximum torque, maximum continuous total power and maximum peak power</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo X / <i>Commission Delegated Regulation (EU) No 134/2014 Annex X</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
10	Definición de la familia de vehículos y de propulsiones / <i>Vehicle propulsion family definition</i>	Reglamento Delegado (UE) Nº 134/2014 de la Comisión, anexo XI / <i>Commission Delegated Regulation (EU) No 134/2014 Annex XI</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
<b>B. REQUISITOS DE SEGURIDAD FUNCIONAL DE LOS VEHÍCULOS / <i>VEHICLE FUNCTIONAL SAFETY REQUIREMENTS</i></b>				
1	Avisadores acústicos / <i>Audible warning devices</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo II / <i>Commission Delegated Regulation (EU) No 3/2014 Annex II</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / <i>All</i>
2	Frenado, incluidos los sistemas de frenado antibloqueo y los sistemas de frenado combinado / <i>Braking, including anti-lock and combined brake system</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo III / <i>Commission Delegated Regulation (EU) No 3/2014 Annex III</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / <i>All</i>
3	Seguridad eléctrica / <i>Electric safety</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo IV / <i>Commission Delegated Regulation (EU) No 3/2014 Annex IV</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / <i>All</i>
4	Requisitos aplicables a la declaración del fabricante sobre ensayos de durabilidad de los sistemas, piezas y equipos esenciales para la seguridad funcional / <i>Manufacturer declaration requirements regarding endurance testing of functional safety-critical systems, parts and equipment</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo V / <i>Commission Delegated Regulation (EU) No 3/2014 Annex V</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / <i>All</i>
5	Estructuras de protección delanteras y traseras / <i>Front and rear protective structures</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo VI / <i>Commission Delegated Regulation (EU) No 3/2014 Annex VI</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	---/---





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6	Acristalamiento, limpiaparabrisas, lavaparabrisas y sistemas de desescarchado y de desempañado / <i>Glazing, windscreen wipers and washers, and defrosting and demisting systems</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo VII / <i>Commission Delegated Regulation (EU) No 3/2014 Annex VII</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	---/---
7	Mandos accionados por el conductor, con identificación de los mandos, los testigos y indicadores / <i>Driver-operated controls including identification of controls, tell-tales and indicators</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo VIII / <i>Commission Delegated Regulation (EU) No 3/2014 Annex VIII</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / All
8	Instalación de dispositivos de alumbrado y señalización luminosa, incluidos el encendido y apagado automáticos del alumbrado / <i>Installation of lighting and light-signalling devices, including automatic switching of lighting</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo IX / <i>Commission Delegated Regulation (EU) No 3/2014 Annex IX</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / All
9	Visibilidad trasera / <i>Rearward visibility</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo X / <i>Commission Delegated Regulation (EU) No 3/2014 Annex X</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / All
10	Estructura de protección en caso de vuelco (ROPS) / <i>Rollover protective structure (ROPS)</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo XI / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XI</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	---/---
11	Cinturones de seguridad y sus anclajes / <i>Safety-belt anchorages and safety-belts</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo XII / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XII</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	---/---
12	Plazas de asiento (sillines y asientos) / <i>Seating positions (saddles and seats)</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo XIII / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XIII</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / All
13	Maniobrabilidad, propiedades de giro en curva y capacidad de giro / <i>Steer-ability, cornering properties and turn-ability</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo XIV / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XIV</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / All
14	Instalación de neumáticos / <i>Installation of tyres</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo XV / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XV</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / All
15	Placa de limitación de la velocidad máxima del vehículo y su emplazamiento en el vehículo / <i>Vehicle maximum speed limitation plate and its location on the vehicle</i>	Reglamento Delegado (UE) Nº 3/2014 de la Comisión, anexo XVI / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XVI</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	---/---





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16	Protección de los ocupantes del vehículo, incluidos el acondicionamiento interior y las puertas del vehículo / <i>Vehicle occupant protection, including interior fittings and vehicle doors</i>	Reglamento Delegado (UE) N° 3/2014 de la Comisión, anexo XVII / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XVII</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	---/---
17	Potencia nominal o neta continua máxima y/o limitación de la velocidad del vehículo por construcción / <i>Maximum continuous rated or net power and/or vehicle speed limitation by design</i>	Reglamento Delegado (UE) N° 3/2014 de la Comisión, anexo XVIII / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XVIII</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / <i>All</i>
18	Requisitos relativos a la integridad de la estructura del vehículo / <i>Requirements on vehicle structure integrity</i>	Reglamento Delegado (UE) N° 3/2014 de la Comisión, anexo XIX / <i>Commission Delegated Regulation (EU) No 3/2014 Annex XIX</i>	Reglamento delegado (UE) 2016/1824 / <i>Commission delegated regulation (EU) 2016/1824</i>	Todas / <i>All</i>
<b>C. FABRICACIÓN DE VEHÍCULOS Y REQUISITOS GENERALES A LA HOMOLOGACIÓN DE TIPO / <i>VEHICLE CONSTRUCTION AND GENERAL TYPE-APPROVAL REQUIREMENTS</i></b>				
1	Medidas de prevención de la manipulación del grupo motopropulsor (antimanipulación) / <i>Powertrain tampering prevention measures (anti-tampering)</i>	Reglamento Delegado (UE) N° 44/2014 de la Comisión, anexo II / <i>Commission Delegated Regulation (EU) No 44/2014 Annex II</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
2	Disposiciones relativas a los procedimientos de homologación de tipo / <i>Arrangements for type-approval procedures</i>	Reglamento Delegado (UE) N° 44/2014 de la Comisión, anexo III / <i>Commission Delegated Regulation (EU) No 44/2014 Annex III</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
3	Conformidad de la producción / <i>Conformity of production</i>	Reglamento Delegado (UE) N° 44/2014 de la Comisión, anexo IV / <i>Commission Delegated Regulation (EU) No 44/2014 Annex IV</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
4	Dispositivos de acoplamiento y de fijación / <i>Coupling devices and attachments</i>	Reglamento Delegado (UE) N° 44/2014 de la Comisión, anexo V / <i>Commission Delegated Regulation (EU) No 44/2014 Annex V</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
5	Dispositivos de protección contra la utilización no autorizada / <i>Devices to prevent unauthorised use</i>	Reglamento Delegado (UE) N° 44/2014 de la Comisión, anexo VI / <i>Commission Delegated Regulation (EU) No 44/2014 Annex VI</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
6	Compatibilidad electromagnética (CEM) / <i>Electromagnetic compatibility (EMC)</i>	Reglamento Delegado (UE) N° 44/2014 de la Comisión, anexo VII / <i>Commission Delegated Regulation (EU) No 44/2014 Annex VII</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>





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7	Salientes exteriores / <i>External projections</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo VIII / <i>Commission Delegated Regulation (EU) No 44/2014 Annex VIII</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
8	Almacenamiento de combustible / <i>Fuel storage</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo IX / <i>Commission Delegated Regulation (EU) No 44/2014 Annex IX</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
9	Plataformas de carga / <i>Load platforms</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo X / <i>Commission Delegated Regulation (EU) No 44/2014 Annex X</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
10	Masas y dimensiones / <i>Masses and dimensions</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo XI / <i>Commission Delegated Regulation (EU) No 44/2014 Annex XI</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
11	Requisitos funcionales del diagnóstico a bordo (DAB) / <i>On-board diagnostics (OBD) functional requirements</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo XII / <i>Commission Delegated Regulation (EU) No 44/2014 Annex XII</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	---/---
12	Asideros y reposapiés para pasajeros / <i>Passenger handholds and footrests</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo XIII / <i>Commission Delegated Regulation (EU) No 44/2014 Annex XIII</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
13	Espacio destinado a la placa de matrícula / <i>Registration plate space</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo XIV / <i>Commission Delegated Regulation (EU) No 44/2014 Annex XIV</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
14	Acceso a la información sobre la reparación y el mantenimiento / <i>Access to repair and maintenance information</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo XV / <i>Commission Delegated Regulation (EU) No 44/2014 Annex XV</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
15	Caballetes / <i>Stands</i>	Reglamento Delegado (UE) Nº 44/2014 de la Comisión, anexo XVI / <i>Commission Delegated Regulation (EU) No 44/2014 Annex XVI</i>	Reglamento delegado (UE) 2018/295 / <i>Commission delegated regulation (EU) 2018/295</i>	Todas / <i>All</i>
D. REQUISITOS ADMINISTRATIVOS PARA LA HOMOLOGACIÓN Y LA VIGILANCIA DEL MERCADO / <i>ADMINISTRATIVE REQUIREMENTS FOR THE APPROVAL AND MARKET SURVEILLANCE</i>				
1	Placa reglamentaria y marca de homologación de tipo UE / <i>Statutory plate and EU type- approval mark</i>	Reglamento de Ejecución (UE) Nº 901/2014, anexo V / <i>Implementing Regulation (EU) No 901/2014 Annex V</i>	Reglamento delegado (UE) 2020/239 / <i>Commission delegated regulation (EU) 2020/239</i>	Todas / <i>All</i>







Número de homologación de tipo UE / *EU type-approval number*

e9\*168/2013\*11377\*03

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RESUMEN HOJA DE RESULTADOS DE ENSAYO / *TEST RESULTS SHEET SUMMARY*

A) REQUISITOS DE EFICACIA MEDIOAMBIENTAL Y DE RENDIMIENTO DE LA UNIDAD DE PROPULSIÓN CONFORME EL REGLAMENTO 134/2014/EU / *ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE REGARDING REGULATION 134/2014/EU*

1. Fase medioambiental del vehículo ensayado / *Environmental step of test vehicle* : Euro 5
2. Programa de conducción aplicable del ensayo de tipo I / *Applicable test type I driving schedule* : WMTC fase 3 / *WMTC stage 3*
3. Ensayo de tipo I: emisiones del tubo de escape tras un arranque en frío / *Test type I: tailpipe emissions after cold start*  
N.A.
4. Resultados del ensayo de tipo II: emisiones del tubo de escape al ralentí (aumentado) y en aceleración libre / *Test type II results: tailpipe emissions at (increased idle)/free acceleration*  
N.A.
5. Ensayo de tipo IV: emisiones de evaporación / *Type IV test: evaporative emissions*  
N.A.
6. Ensayo de tipo V: durabilidad de los dispositivos de control de la contaminación / *Test type V: durability of pollution-control devices*  
N.A.





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7. Ensayo de tipo VII: medición de las emisiones de CO<sub>2</sub>, consumo de combustible, consumo de energía eléctrica y determinación de la autonomía eléctrica / *Test type VII: measurement of CO<sub>2</sub> emissions, fuel consumption, electric energy consumption and electric range determination*

Cuadro / *Table* 5-9

Var./ver. 00/00, 00/01:

CUADRO DE RESULTADOS DE LOS ENSAYOS DE TIPO VII PARA PROPULSIONES ELÉCTRICAS PURAS O PROPULSIONES NO RECARGABLES DESDE EL EXTERIOR EQUIPADAS CON UN MOTOR ELÉCTRICO DE PROPULSIÓN / <i>TEST TYPE VII RESULT TABLE FOR PURE ELECTRIC PROPULSION OR NOT-EXTERNALLY-CHARGEABLE (NOVC) PROPULSIONS EQUIPPED WITH AN ELECTRIC MOTOR FOR PROPULSION</i>				
	Consumo de energía eléctrica medido / <i>Measured electric energy consumption (Wh/km)</i>	Consumo de energía eléctrica declarado / <i>Declared electric energy consumption (Wh/km)</i>	Autonomía eléctrica medida / <i>Measured electric range (km)</i>	Autonomía eléctrica declarada / <i>Declared electric range (km)</i>
Grupo motopropulsor eléctrico puro / <i>Pure electric powertrain</i>	26	26	61	61
Grupo motopropulsor eléctrico híbrido no recargable desde el exterior / <i>NOVC hybrid electric powertrain</i>	---	---	---	---

Var./ver. 01/00, 01/01:

CUADRO DE RESULTADOS DE LOS ENSAYOS DE TIPO VII PARA PROPULSIONES ELÉCTRICAS PURAS O PROPULSIONES NO RECARGABLES DESDE EL EXTERIOR EQUIPADAS CON UN MOTOR ELÉCTRICO DE PROPULSIÓN / <i>TEST TYPE VII RESULT TABLE FOR PURE ELECTRIC PROPULSION OR NOT-EXTERNALLY-CHARGEABLE (NOVC) PROPULSIONS EQUIPPED WITH AN ELECTRIC MOTOR FOR PROPULSION</i>				
	Consumo de energía eléctrica medido / <i>Measured electric energy consumption (Wh/km)</i>	Consumo de energía eléctrica declarado / <i>Declared electric energy consumption (Wh/km)</i>	Autonomía eléctrica medida / <i>Measured electric range (km)</i>	Autonomía eléctrica declarada / <i>Declared electric range (km)</i>
Grupo motopropulsor eléctrico puro / <i>Pure electric powertrain</i>	23	23	64	64
Grupo motopropulsor eléctrico híbrido no recargable desde el exterior / <i>NOVC hybrid electric powertrain</i>	---	---	---	---





Número de homologación de tipo UE / *EU type-approval number*

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Var./ver. 02/01:

CUADRO DE RESULTADOS DE LOS ENSAYOS DE TIPO VII PARA PROPULSIONES ELÉCTRICAS PURAS O PROPULSIONES NO RECARGABLES DESDE EL EXTERIOR EQUIPADAS CON UN MOTOR ELÉCTRICO DE PROPULSIÓN / <i>TEST TYPE VII RESULT TABLE FOR PURE ELECTRIC PROPULSION OR NOT-EXTERNALLY-CHARGEABLE (NOVC) PROPULSIONS EQUIPPED WITH AN ELECTRIC MOTOR FOR PROPULSION</i>				
	Consumo de energía eléctrica medido / <i>Measured electric energy consumption (Wh/km)</i>	Consumo de energía eléctrica declarado / <i>Declared electric energy consumption (Wh/km)</i>	Autonomía eléctrica medida / <i>Measured electric range (km)</i>	Autonomía eléctrica declarada / <i>Declared electric range (km)</i>
Grupo motopropulsor eléctrico puro / <i>Pure electric powertrain</i>	28	28	111	111
Grupo motopropulsor eléctrico híbrido no recargable desde el exterior / <i>NOVC hybrid electric powertrain</i>	---	---	---	---

8. Ensayo de tipo VIII: diagnóstico a bordo (DAB) medioambiental / *Test type VIII: environmental on-board diagnostic (OBD)*

N.A.

9. Ensayo de tipo IX: nivel sonoro / *Test type IX: sound level*

N.A.





## Anexo - Información adicional sobre esta Homologación de tipo

### Condiciones de la autorización y pie de recurso

Los vehículos, sistemas, componentes o unidades técnicas independientes fabricados en virtud de esta homologación de tipo deben estar identificados y portar las marcas correspondientes según la reglamentación aplicable.

La producción en serie de vehículos, sistemas, componentes y unidades técnicas independientes debe realizarse de acuerdo con la documentación de homologación. Todo cambio en la producción individualizada requerirá autorización expresa previa por parte de la Autoridad de Homologación Española.

Cualquier modificación en los datos incluidos en el certificado de homologación, como el nombre de la empresa, representante en la UE, dirección y las plantas de fabricación deben ser comunicados inmediatamente a la Autoridad de Homologación Española.

La homologación perderá su validez cuando la misma haya sido retirada o el tipo ya no cumpla con los requisitos legales. La retirada tendrá lugar siempre que hayan dejado de cumplirse los requisitos necesarios para la concesión y mantenimiento de la misma, cuando el fabricante no pueda demostrar a la Autoridad de Homologación el cumplimiento con los requisitos y procedimientos para garantizar la conformidad de la producción, en caso de que el titular no cumpla con sus obligaciones inherentes a la homologación o cuando se determine que el tipo homologado no cumple con los requisitos de seguridad y medio ambiente.

La Autoridad de Homologación de Tipo española podrá verificar el cumplimiento de las obligaciones del fabricante en cualquier momento. En particular, se podrá comprobar la correspondencia del producto con el tipo homologado, así como las medidas establecidas para garantizar la conformidad de la producción. A tal efecto se podrán tomar o solicitar las muestras necesarias. Se permitirá el acceso sin trabas a las instalaciones de producción y almacenamiento a los empleados o representantes de la Autoridad de Homologación Española.

La autorización objeto de esta resolución de homologación de tipo no es transferible. Los derechos de marca de terceros no se encuentran afectados por esta homologación.

Contra la presente Resolución, que no pone fin a la vía administrativa, podrá interponerse recurso de alzada <sup>1</sup> ante la Dirección General de Industria y de la Pequeña y Mediana empresa, o ante la Secretaría General de Industria y de la Pequeña y Mediana empresa, en el plazo de un mes a partir del día siguiente a su notificación, de conformidad con los artículos 121 y 122 de la Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas.

<sup>1</sup> Nota: Para interponer recurso de alzada deberá acceder al siguiente enlace:  
<https://sede.serviciosmin.gob.es/es-es/procedimientoselectronicos/Paginas/detalle-procedimientos.aspx?IdProcedimiento=157>





### *Annex - Additional Information on this Type Approval*

#### *Collateral clauses and right to appeal (Courtesy translation)*

*All vehicles, systems, components or separate technical units which correspond to the approved type are to be identified and marked according to the applied regulation.*

*The serial fabrication of vehicles, systems, components or separate technical must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Spanish Type Approval Authority.*

*Changes in the data included in the approval certificate, such as the name of the company, EU representative, address and the manufacturing plant are to be immediately disclosed to the Spanish Type Approval Authority.*

*The approval expires if it is withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the manufacturer cannot demonstrate to the Type Approval Authority that it comply with the requirements and procedures to guarantee the conformity of production, if the holder of the approval violates the duties involved in the approval or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.*

*The Spanish Type Approval Authority may check the proper exercise of the conferred authority taken from this approval at any time. In particular, this means the compliant production as well as the measures for conformity of production. For this purpose, samples can be taken or have taken. The employees or the representatives of the Spanish Type Approval Authority may get unhindered access to the production and storage facilities.*

*The authorization contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.*

*This approval does not conclude the administrative channel and can be appealed<sup>2</sup> within one month after notification, according to articles 121 and 122 of Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas. The appeal is to be addressed to Dirección General de Industria y de la Pequeña y Mediana empresa, or Secretaría General de Industria y de la Pequeña y Mediana empresa.*

<sup>2</sup> Note: Appeal on the following link:

<https://sede.serviciosmin.gob.es/es-es/procedimientoselectronicos/Paginas/detalle-procedimientos.aspx?IdProcedimiento=157>



**INFORME / REPORT N° CN22070920**

REGLAMENTO (UE) N° 168/2013\*2020/1694 RELATIVO A LA HOMOLOGACIÓN DE LOS VEHÍCULOS DE DOS O TRES RUEDAS Y LOS CUATRICICLOS Y A LA VIGILANCIA DEL MERCADO DE DICHS VEHÍCULOS

REGULATION (EU) No. 168/2013\*2020/1694 ON THE APPROVAL AND MARKET SURVEILLANCE OF TWO- OR THREE-WHEELED VEHICLES AND QUADRICYCLES

**EXTENSION III**

Solicitante / Applicant : MANGOSTEEN TECHNOLOGY CO., LIMITED

Fabricante / Manufacturer : MANGOSTEEN TECHNOLOGY CO., LIMITED  
FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING  
18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA

Representante / Representative : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy

Marca del vehículo / Trade mark : Ver punto 0.1. de la documentación técnica /  
See point 0.1. of technical documentation

Tipo / Type : M1

Categoría, subcategoría y sub-subcategoría /  
Category, subcategory and sub-subcategory : L1e-B

Lugar y fecha de emisión del informe /  
Place and date issued of the report : L'Albornar, Santa Oliva (Tarragona), 22.07.2022

CONCLUSIONES / CONCLUSIONS: El vehículo presentado, cuyas características técnicas se detallan en la ficha de características n° 168/2013-M1-03, facilitada por el constructor, anexa a este informe, son motivo de extensión respecto al vehículo tipo y extensiones (exp. CN19030656, CN19060456 y CN20050093) SE AJUSTA a las prescripciones relativas a la Homologación de Tipo UE de los vehículos de dos o tres ruedas y los cuatriciclos en aplicación del Reglamento (UE) N° 168/2013\*2020/1694, según se detalla en los informes parciales adjuntados a este informe / *The vehicle submitted for test, whose technical characteristics are listed in detail in information document No. 168/2013-M1-03, supplied by the manufacturer, attached to this report, grant grounds for extension with respect to formerly certified vehicle type and extensions (IDIADA Report No. CN19030656, CN19060456 and CN20050093) COMPLIES with the specifications related to the EU Type-Approval of two or three-wheeled vehicles and quadricycles according to Regulation (EU) No 168/2013\*2020/1694, as detailed in the separate reports annexed to this report.*

Realizado / Performed by:

V. B°. / Revised by:



Anpeng(apple) Li  
INGENIERO DE HOMOLOGACIONES  
HOMOLOGATION ENGINEER



Josep Masip Gomez  
JEFE DE DEPARTAMENTO  
DEPARTMENT MANAGER



**ANEXO AL INFORME / ANNEX TO THE TEST REPORT**

MOTIVOS DE LA EXTENSIÓN / EXTENSION REASONS

- Actualización de la dirección del fabricante / *Update of the address of manufacturer.*
- Cambio de las plantas de ensamblaje / *Change of the assembly plants.*
- Cambio de dirección del sitio web principal / *Change of the address of the principal website.*
- Inclusión de nuevas variantes/versiones (00/01, 01/01 y 02/01) / *Inclusion of new variants/versions (00/01, 01/01 and 02/01).*
- Inclusión de un nuevo velocímetro opcional para todas las variantes/versiones / *Inclusion of a new optional speedometer for all variants/versions.*
- Inclusión de nuevos neumáticos y llantas opcionales para todas las variantes/versiones / *Inclusion of new optional tyres and rims for all variants/versions.*
- Inclusión de nuevos retrovisores opcionales para todas las variantes/versiones / *Inclusion of new optional rear-view mirrors for all variants/versions.*
- Inclusión de nuevas tapas opcionales para motor eléctrico / *Inclusion of new optional covers for electric motor.*
- Cambio del catadióptrico lateral / *Change of the side retro-reflector.*
- Se retira el catadióptrico trasero con marca de homologación IA E4 023257 / *Rear retro-reflector with approval mark IA E4 023257 is removed.*
- Se corrigen los dibujos M1-11, M1-17, M1-23 y M1-23.1 / *Drawings M1-11, M1-17, M1-23 and M1-23.1 are corrected.*
- Se actualizan los planos M1-02, M1-05, M1-21, M1-21.1 y M1-22 / *Drawings M1-02, M1-05, M1-21, M1-21.1 and M1-22 are updated.*
- Puntos 0.5.2., 6.16.5.1. y 6.21.1.5. en el documento de información se corrigen debido a los errores / *Points 0.5.2., 6.16.5.1. and 6.21.1.5. in the information document are corrected due to the mistakes.*

Nota / Note: Los puntos modificados indicados a continuación están en negrita / *Modified points listed below are in bold characters*

IDENTIFICACIÓN DEL VEHÍCULO / IDENTIFICATION OF THE VEHICLE

Marca de fábrica / Trade mark : MANGOSTEEN  
 Tipo / Type : M1  
 Variantes/versiones / Variants/versions : 00/00, 01/00, **00/01, 01/01, 02/01**  
 Categoría, subcategoría y sub-subcategoría / Category, subcategory and sub-subcategory : L1e-B  
 Fecha de recepción de la muestra / Date sample received : 13.05.2022

LISTADO DE LOS ACTOS REGLAMENTARIOS QUE CUMPLE EL TIPO DE VEHÍCULO / LIST OF REGULATORY ACTS WITH WHICH THE TYPE OF VEHICLE COMPLIES

Entrada / Item	Asunto / Subject	Referencia del acto reglamentario / Regulatory act reference	Nº Informe / Report No.	Variante/ versión / Variant/ version	Informe base / Base report
A. REQUISITOS DE EFICACIA MEDIOAMBIENTAL Y DE RENDIMIENTO DE LA UNIDAD DE PROPULSIÓN / ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE REQUIREMENTS					
1	Emisiones del tubo de escape tras un arranque en frío / Tailpipe emissions after cold start	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo II / Delegated Regulation (EU) No 134/2014*2018/295 Annex II	N.A.	---/---	---

LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.  
 THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

\* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCIÓN PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA.  
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Entrada / Item	Asunto / Subject	Referencia del acto reglamentario / Regulatory act reference	Nº Informe / Report No.	Variante/ versión / Variant/ version	Informe base / Base report
2	Emisiones del tubo de escape (al ralentí aumentado) o en aceleración libre / Tailpipe emissions at (increased idle) / free acceleration test	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo III / Delegated Regulation (EU) No 134/2014*2018/295 Annex III	N.A.	---/---	---
3	Emisiones de gases del cárter / Emissions crank-case gases	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo IV / Delegated Regulation (EU) No 134/2014* 2018/295 Annex IV	N.A.	---/---	---
4	Emisiones de evaporación / Evaporative emissions	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo V / Delegated Regulation (EU) No 134/2014*2018/295 Annex V	N.A.	---/---	---
5	Durabilidad de los dispositivos de control de la contaminación / Durability of pollution-control devices	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo VI / Delegated Regulation (EU) No 134/2014*2018/295 Annex VI	N.A.	---/---	---
6	Medición de las emisiones de CO <sub>2</sub> consumo de combustible, consumo de energía eléctrica y determinación de la autonomía eléctrica / Measurement of CO <sub>2</sub> emissions, fuel consumption, electric energy consumption and electric range determination	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo VII / Delegated Regulation (EU) No 134/2014*2018/295 Annex VII	M1/134/2014/VII	00/00 01/00	Ext. 00
			M1/134/2014/VII/01	00/00 01/00 <b>00/01</b> <b>01/01</b>	Ext. 02
			<b>M1/134/2014/VII/02</b>	<b>02/01</b>	<b>Ext. 03</b>
7	Ensayos medioambientales del diagnóstico a bordo (DAB) / Environmental on-board diagnosis (OBD) tests	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo VIII / Delegated Regulation (EU) No 134/2014*2018/295 Annex VIII	N.A.	---/---	---
8	Nivel sonoro admisible / Permissible sound level	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo IX / Delegated Regulation (EU) No 134/2014*2018/295 Annex IX	N.A.	---/---	---
9	Procedimientos y requisitos técnicos relativos a la velocidad máxima del vehículo por construcción, el par máximo, la potencia total continua máxima y la potencia de pico máxima / Procedures and technical requirements on maximum vehicle design speed, maximum torque, maximum continuous total power and maximum peak power	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo X / Delegated Regulation (EU) No 134/2014*2018/295 Annex X	M1/134/2014/X1	00/00 01/00	Ext. 00
			M1/134/2014/X1/01	00/00 01/00 <b>00/01</b> <b>01/01</b>	Ext. 02
			<b>M1/134/2014/X1/02</b>	<b>02/01</b>	<b>Ext. 03</b>
			M1/134/2014/X3	Todas / All	Ext. 00
10	Definición de la familia de vehículos y de propulsiones / Vehicle propulsion family definition	Reglamento Delegado (UE) Nº 134/2014*2018/295, anexo XI / Delegated Regulation (EU) No 134/2014*2018/295 Annex XI	N.A.	---/---	---
<b>B. REQUISITOS DE SEGURIDAD FUNCIONAL DE LOS VEHÍCULOS / VEHICLE FUNCTIONAL SAFETY REQUIREMENTS</b>					

Validate this report with the security code «A4A6UOKA» at: <https://extranet.idiada.com/hom-cve>  
 Verifique el informe con código de seguridad «A4A6UOKA» en: <https://extranet.idiada.com/hom-cve>


**CN22070920**

LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.  
 THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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IDIADA Automotive Technology, S.A. N.I.F. A43581610 Servicio Técnico Designado de Homologación (TS)





Entrada / Item	Asunto / Subject	Referencia del acto reglamentario / Regulatory act reference	Nº Informe / Report No.	Variante/ versión / Variant/ version	Informe base / Base report
1	Avisadores acústicos / Audible warning devices	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo II / Delegated Regulation (EU) No 3/2014*2016/1824 Annex II	M1/3/2014/II	Todas / All	Ext. 00
2	Frenado, incluidos los sistemas de frenado antibloqueo y los sistemas de frenado combinado / Braking, including anti-lock and combined brake system	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo III / Delegated Regulation (EU) No 3/2014*2016/1824 Annex III	M1/3/2014/III M1/3/2014/III/01	Todas / All	Ext. 00 Ext. 02
3	Seguridad eléctrica / Electric safety	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo IV / Delegated Regulation (EU) No 3/2014* 2016/1824 Annex IV	M1/3/2014/IV	Todas / All	Ext. 00
4	Requisitos aplicables a la declaración del fabricante sobre ensayos de durabilidad de los sistemas, piezas y equipos esenciales para la seguridad funcional / Manufacturers declaration requirements regarding endurance testing of functional safety-critical systems, parts and equipment	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo V / Delegated Regulation (EU) No 3/2014*2016/1824 Annex V	M1/3/2014/V	00/00 01/00	Ext. 00
			<b>M1/3/2014/V/01</b>	<b>00/01 01/01 02/01</b>	<b>Ext. 03</b>
5	Estructuras de protección delanteras y traseras / Front and rear protective structures	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo VI / Delegated Regulation (EU) No 3/2014*2016/1824 Annex VI	N.A.	---/---	---
6	Acrilamiento, limpiaparabrisas, lavaparabrisas y sistemas de desescarchado y de desempeñado / Glazing, windscreen wipers and washers, and defrosting and demisting systems	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo VII / Delegated Regulation (EU) No 3/2014*2016/1824 Annex VII	N.A.	---/---	---
7	Mandos accionados por el conductor, con identificación de los mandos, los testigos y indicadores / Driver-operated controls including indentification of controls, tell-tales and indicators	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo VIII / Delegated Regulation (EU) No 3/2014*2016/1824 Annex VIII	M1/3/2014/VIII M1/3/2014/VIII/01 <b>M1/3/2014/VIII/02</b>	Todas / All	Ext. 00 Ext. 02 <b>Ext. 03</b>
8	Instalación de dispositivos de alumbrado y señalización luminosa, incluidos el encendido y apagado automáticos del alumbrado / Installation of lighting and light-signalling devices, including automatic switching of lighting	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo IX / Delegated Regulation (EU) No 3/2014*2016/1824 Annex IX	M1/3/2014/IX M1/3/2014/IX/01 <b>M1/3/2014/IX/02</b>	Todas / All	Ext. 00 Ext. 02 <b>Ext. 03</b>
9	Visibilidad trasera / Rearward visibility	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo X / Delegated Regulation (EU) No 3/2014*2016/1824 Annex X	M1/3/2014/X <b>M1/3/2014/X/01</b>	Todas / All	Ext. 00 <b>Ext. 03</b>
10	Estructura de protección en caso de vuelco (ROPS) / Rollover protective structure (ROPS)	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XI / Delegated Regulation (EU) No 3/2014*2016/1824 Annex XI	N.A.	---/---	---

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**IDIADA** CN22070920

LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA. \*

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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Entrada / Item	Asunto / Subject	Referencia del acto reglamentario / Regulatory act reference	Nº Informe / Report No.	Variante/ versión / Variant/ version	Informe base / Base report
11	Cinturones de seguridad y sus anclajes / <i>Safety-belt anchorages and safety-belts</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XII / <i>Delegated Regulation (EU) No 3/2014*2016/1824 Annex XII</i>	N.A.	---/---	---
12	Plazas de asiento (sillones y asientos) / <i>Seating positions (saddles and seats)</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XIII / <i>Delegated Regulation (EU) No 3/2014* 2016/1824 Annex XIII</i>	M1/3/2014/XIII	Todas / All	Ext. 00
13	Maniobrabilidad, propiedades de giro en curva y capacidad de giro / <i>Steer-ability, cornering properties and turn-ability</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XIV / <i>Delegated Regulation (EU) No 3/2014* 2016/1824 Annex XIV</i>	M1/3/2014/XIV	Todas / All	Ext. 00
14	Instalación de neumáticos / <i>Installation of tyres</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XV / <i>Delegated Regulation (EU) No 3/2014*2016/1824 Annex XV</i>	M1/3/2014/XV M1/3/2014/XV/01 <b>M1/3/2014/XV/02</b>	Todas / All	Ext. 00 Ext. 02 <b>Ext. 03</b>
15	Placa de limitación de la velocidad máxima del vehículo y su emplazamiento en el vehículo / <i>Vehicle maximum speed limitation plate and its location on the vehicle</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XVI / <i>Delegated Regulation (EU) No 3/2014*2016/1824 Annex XVI</i>	N.A.	---/---	---
16	Protección de los ocupantes del vehículo, incluidos el acondicionamiento interior y las puertas del vehículo / <i>Vehicle occupant protection, including interior fittings and vehicle doors</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XVII / <i>Delegated Regulation (EU) No 3/2014*2016/1824 Annex XVII</i>	N.A.	---/---	---
17	Potencia nominal o neta continua máxima y/o limitación de la velocidad del vehículo por construcción / <i>Maximum continuous rated or net power and/or vehicle speed limitation by design</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XVIII / <i>Delegated Regulation (EU) No 3/2014*2016/1824 Annex XVIII</i>	M1/3/2014/XVIII	Todas / All	Ext. 00
18	Requisitos relativos a la integridad de la estructura del vehículo / <i>Requirements on vehicle structure integrity</i>	Reglamento Delegado (UE) Nº 3/2014*2016/1824, anexo XIX / <i>Delegated Regulation (EU) No 3/2014*2016/1824 Annex XIX</i>	M1/3/2014/XIX	00/00 01/00	Ext. 00
			<b>M1/3/2014/XIX/01</b>	<b>00/01 01/01 02/01</b>	<b>Ext. 03</b>
C. FABRICACIÓN DE VEHÍCULOS Y REQUISITOS GENERALES A LA HOMOLOGACIÓN DE TIPO / <i>VEHICLE CONSTRUCTION AND GENERAL TYPE-APPROVAL REQUIREMENTS</i>					
1	Medidas de prevención de la manipulación del grupo motopropulsor (antimanipulación) / <i>Powertrain tampering prevention measures (anti-tampering)</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo II / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex II</i>	M1/44/2014/II	Todas / All	Ext. 00
2	Disposiciones relativas a los procedimientos de homologación de tipo / <i>Arrangements for type-approval procedures</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo III / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex III</i>	De una sola vez / <i>Single step</i>	Todas / All	Ext. 00

LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.  
 THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.

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Entrada / Item	Asunto / Subject	Referencia del acto reglamentario / Regulatory act reference	Nº Informe / Report No.	Variante/ versión / Variant/ version	Informe base / Base report
3	Conformidad de la producción / <i>Conformity of production</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo IV / <i>Delegated Regulation (EU) No 44/2014* 2018/295 Annex IV</i>	M1/44/2014/IV	00/00 01/00	Ext. 00
			<b>M1/44/2014/IV/01</b>	<b>00/01 01/01 02/01</b>	<b>Ext. 03</b>
4	Dispositivos de acoplamiento y de fijación / <i>Coupling devices and attachments</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo V / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex V</i>	N.A.	---/---	---
5	Dispositivos de protección contra la utilización no autorizada / <i>Devices to prevent unauthorised use</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo VI / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex VI</i>	M1/44/2014/VI	Todas / <i>All</i>	Ext. 00
6	Compatibilidad electromagnética (CEM) / <i>Electromagnetic compatibility (EMC)</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo VII / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex VII</i>	M1/44/2014/VII	Todas / <i>All</i>	Ext. 00
7	Salientes exteriores / <i>External projections</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo VIII / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex VIII</i>	M1/44/2014/VIII M1/44/2014/VIII/01	Todas / <i>All</i>	Ext. 00 Ext. 02
8	Almacenamiento de combustible / <i>Fuel storage</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo IX / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex IX</i>	N.A.	---/---	---
9	Plataformas de carga / <i>Load platforms</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo X / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex X</i>	N.A.	---/---	---
10	Masas y dimensiones / <i>Masses and dimensions</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo XI / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex XI</i>	M1/44/2014/XI M1/44/2014/XI/01	00/00 01/00	Ext. 00 Ext. 02
			<b>M1/44/2014/XI/02</b>	<b>00/01 01/01 02/01</b>	<b>Ext. 03</b>
11	Requisitos funcionales del diagnóstico a bordo (DAB) / <i>On-board diagnostics (OBD) functional requirements</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo XII / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex XII</i>	N.A.	---/---	---
12	Asideros y reposapiés para pasajeros / <i>Passenger handholds and footrests</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo XIII / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex XIII</i>	M1/44/2014/XIII	Todas / <i>All</i>	Ext. 00
13	Espacio destinado a la placa de matrícula / <i>Registration plate space</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo XIV / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex XIV</i>	M1/44/2014/XIV	00/00 01/00	Ext. 00
			<b>M1/44/2014/XIV/01</b>	<b>00/01 01/01 02/01</b>	<b>Ext. 03</b>
14	Acceso a la información sobre la reparación y el mantenimiento / <i>Access to repair and maintenance information</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo XV / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex XV</i>	M1/44/2014/XV	00/00 01/00	Ext. 00
			<b>M1/44/2014/XV/01</b>	<b>00/01 01/01 02/01</b>	<b>Ext. 03</b>
15	Caballetes / <i>Stands</i>	Reglamento Delegado (UE) Nº 44/2014*2018/295, anexo XVI / <i>Delegated Regulation (EU) No 44/2014*2018/295 Annex XVI</i>	M1/44/2014/XVI	Todas / <i>All</i>	Ext. 00
<b>D. REQUISITOS ADMINISTRATIVOS PARA LA HOMOLOGACIÓN Y LA VIGILANCIA DEL MERCADO / ADMINISTRATIVE REQUIREMENTS FOR THE APPROVAL AND MARKET SURVEILLANCE</b>					

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1	Placa reglamentaria y marca de homologación de tipo UE / Statutory plate and EU type-approval mark	Reglamento de Ejecución (UE) N° 901/2014*2020/239, anexo V / Implementing Regulation (EU) No 901/2014* 2020/239 Annex V	M1/901/2014/V M1/901/2014/V/01	Todas / All	Ext. 00 Ext. 02

Lugar / Place : L'Albornar, Santa Oliva (Tarragona) SPAIN  
 Fecha / Date : 22.07.2022

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CN22070920

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APÉNDICE / APPENDIX M1/134/2014/VII/02

**REQUISITOS DEL ENSAYO DE TIPO VII: EMISIONES DE CO<sub>2</sub>, CONSUMO DE COMBUSTIBLE, CONSUMO DE ENERGÍA ELÉCTRICA Y AUTONOMÍA ELÉCTRICA / TEST TYPE VII REQUIREMENTS: CO<sub>2</sub> EMISSIONS, FUEL CONSUMPTION, ELETRIC ENERGY CONSUMPTION AND ELECTRIC RANGE**

**Reglamento Delegado (UE) / Delegated Regulation (EU) No. 134/2014/VII\*2018/295**

IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO / IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make : MANGOSTEEN  
 Tipo / Type : M1  
 Variantes/Versiones ensayadas / Tested variants/versions : 02/01  
 Variantes/Versiones cubiertas / Covered variants/versions : 02/01  
 Categoría, subcategoría y sub-subcategoría / Category, subcategory and sub-subcategory : L1e-B  
 N° de bastidor / Frame number : Prototipo / Prototype  
 Fecha de recepción de la muestra / Date sample received : 13.05.2022

ESPECIFICACIONES DEL VEHÍCULO / SPECIFICATIONS OF THE VEHICLE

- Motor / Engine
  - Marca / Make : Qianjiang
  - Tipo/N° motor / Type/Engine No. : MGSD60VA / 619982
  - Corriente / Current : ~~Alterna~~/Continua / ~~Alternating~~/Direct
  - Tensión de trabajo / Operating voltage : 60 V DC
  - Unidad de control del motor eléctrico / Electric motor control unit : M1S
  - Potencia neta continua máxima / Maximum continuous rated power : 2.0 kW a / at 420 min<sup>-1</sup>
- Baterías / Batteries
  - Tipo / Type : Lithium battery
  - N° de celdas / No. of cells : 160
  - Capacidad / Capacity : 50 Ah
  - Tensión / Voltage : 60 V
- Caja de cambios / Gearbox
  - Tipo / Type : Wheel-hub motor
  - Relación final / Final drive ratio : 1
- Velocidad máxima declarada / Maximum declared speed : 45 km/h

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- Neumáticos / Tyres

	Dimensiones / Size	Presión / Pressure (kPa)
Delantero / Front	130/70-12	250
Trasero / Rear	215/40-12	250

- Condiciones de carga del vehículo / Load conditions of the vehicle:

Peso del vehículo ensayado /  
*Mass of the tested vehicle* : 93 kg  
 Distribución por ejes /  
*Distribution per axles* : Front: 42 kg, Rear: 51 kg  
 Peso de referencia del vehículo /  
*Reference mass of the vehicle* : 168 kg  
 Inercia / *Inertia* : 170 kg

#### VERIFICACIONES INICIALES / INITIAL CHECKINGS

Los dispositivos de alumbrado, señalización y auxiliares estarán apagados, excepto los necesarios para el ensayo y funcionamiento diurno habitual del vehículo / *The lighting, signalling and auxiliary devices shall be off, except those required for the testing and usual day-time operation of the vehicle* .....CORRECTO / CORRECT

Todos los sistemas de almacenamiento de energía para fines distintos de la tracción tienen que ser cargados al nivel máximo especificado por el fabricante / *All energy storage systems for other than traction purposes shall be charged to their maximum level as specified by the manufacturer* .....CORRECTO / CORRECT

En caso de que las baterías se pongan en funcionamiento a una temperatura superior a la temperatura ambiente, se aplicará el procedimiento recomendado por el fabricante / *If the batteries are operated above the ambient temperature, the operator shall follow the procedure recommended by the vehicle manufacturer* .....NO APLICABLE / NOT APPLICABLE

#### CONDICIONES DEL ENSAYO / TEST CONDITIONS

- Condiciones atmosféricas / Atmospheric conditons

Ensayo / Test	Consumo eléctrico / <i>Electric consumption</i>	Autonomía eléctrica / <i>Electric range</i>
Temperatura / <i>Temperature</i> (°C) :	20 °C	21 °C
Humedad relativa / <i>Relative humidity</i> (%) :	82 %	74 %
Presión barométrica / <i>Barometric pressure</i> (kPa) :	101.2 kPa	101.1 kPa

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• Estado del vehículo / *Conditions of the vehicle*

- Kilometraje / *Mileage*

Distancia recorrida por el vehículo 7 días antes del ensayo /  
*Driven distance of the vehicle 7 days before the test: 304km ≥ 300km* .....CORRECTO / *CORRECT*

- Carga de las baterías / *Charge of batteries*

Todos los sistemas de almacenamiento de energía para fines distintos de la tracción están cargado al máximo / *All energy storage systems for other than traction purposes are charged to their maximum level* .....CORRECTO / *CORRECT*

• Ciclo de ensayo / *Test cycle*

Se ha aplicado el ciclo de ensayo correspondiente a/ *Applied the test cycle corresponding to: WMTc Stage 3* .....CORRECTO / *CORRECT*

MEDICIÓN DEL CONSUMO DE ENERGÍA ELÉCTRICA /  
MEASURING THE ELECTRIC ENERGY CONSUMPTION

La carga inicial se ha llevado a cabo según el apéndice 2 del Anexo VII del Reglamento Delegado (UE) N° 134/2014 / *Initial charge is carried out following the appendix 2 of Annex VII of Delegated Regulation (EU) No 134/2014* .....CORRECTO / *CORRECT*

Se han realizado dos ensayos/~~un ensayo y otro ensayo parcial~~ del tipo I en un banco dinamométrico / ~~*One test and other partial test*~~ were carried out on a chassis dynamometer .....CORRECTO / *CORRECT*

Tiempos aplicados durante el ensayo de acuerdo con Apéndice 2 del Anexo VII del Reglamento Delegado (UE) N° 134/2014 / *Test timing according to Appendix 2 of Annex VII to Delegated Regulation (EU) No 134/2014* .....CORRECTO / *CORRECT*

**Resultados de ensayo / *Test results***

Distancia recorrida ( $D_{test}$ ) / <i>Distance covered (<math>D_{test}</math>)</i>	14.9 km
Energía de carga (E) durante la recarga de la batería / <i>Charge energy (E) during battery recharging</i>	420 Wh

Consumo de la energía eléctrica (C) / *Electric energy consumption (C):*

Valor medido / <i>Measured value</i>	28 Wh/km
Valor declarado / <i>Declared Value</i>	28 Wh/km
Diferencia / <i>Difference</i>	0.0 %

El consumo eléctrico declarado no es menor de un 4% al valor ensayado /  
*Declared electric consumption is not less than a 4% of the tested value* .....CORRECTO / *CORRECT*

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MEDICIÓN DE LA AUTONOMÍA ELÉCTRICA / MEASURING THE ELECTRIC RANGE

La carga inicial se ha llevado a cabo según el apéndice 3.3 del Anexo VII del Reglamento Delegado (UE) N° 134/2014 / *Initial charge is carried out following appendix 3.3 of Annex VII of Delegated Regulation (EU) No 134/2014*.....CORRECTO / CORRECT

Hasta 3 interrupciones, de no más de 15 minutos en total / *Up to three interruptions, of no more than 15 minutes in total*.....CORRECTO / CORRECT

Tiempos aplicados durante el ensayo de acuerdo con Apéndice 3.3 del Anexo VII del Reglamento Delegado (UE) N° 134/2014 / *Test timing according to Appendix 3.3 of Annex VII to Delegated Regulation (EU) No 134/2014*.....CORRECTO / CORRECT

**Resultados de ensayo / Test results**

Autonomía eléctrica / *Electric range*:

Distancia recorrida durante el ensayo / <i>Distance covered during the test</i>	111 km
Valor declarado / <i>Declared value</i>	111 km

DISPOSICIONES GENERALES DEL FABRICANTE / MANUFACTURER GENERAL PROVISIONS

El fabricante del vehículo garantiza que, en el momento de la compra de un vehículo nuevo, se facilitará al comprador los datos sobre emisiones de CO<sub>2</sub>, consumo de combustible, consumo de energía eléctrica y autonomía eléctrica / *The vehicle manufacturer ensures that the CO<sub>2</sub> emissions, fuel consumption, electric energy consumption and electric range data are provided to the buyer of the vehicle at the time of purchase of a new vehicle*.....CORRECTO / CORRECT

Se adjunta a la ficha de características un ejemplar completo del formato de presentación de los resultados de los ensayos de tipo VII utilizado para informar al comprador del vehículo nuevo / *A completed specimen of the test type VII result format used to inform the buyer of the new vehicle is added to the information document*.....NO APLICABLE / NOT APPLICABLE

EQUIPO DE ENSAYO / TEST EQUIPMENT

- Banco de rodillos / *Roller dynamometer*:
  - Marca / *Make* : ZHONGCHENG
  - Tipo / *Type* : Inercia electro-mecánica / *Electro-mechanical inertia*
  - Modelo / *Model* : MCJ200
  - Diámetro / *Diameter* : 442 mm
- Báscula / *Scales*
  - Fabricante / *Manufacturer* : BAOHENG
  - Modelo / *Model* : TCS-500

Lugar del ensayo / *Test place* : NMQSII, Nanchang (China)  
 Fecha del ensayo / *Test date* : 19 ~ 21.05.2022



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APÉNDICE / APPENDIX M1/134/2014/X1/02

**PROCEDIMIENTOS DE ENSAYO Y REQUISITOS TÉCNICOS CON RESPECTO A LA EFICACIA DE LA UNIDAD DE PROPULSIÓN / TESTING PROCEDURES AND TECHNICAL REQUIREMENTS AS REGARDS PROPULSION UNIT PERFORMANCE**

**REQUISITOS RELATIVOS AL MÉTODO DE MEDICIÓN DE LA VELOCIDAD MÁXIMA POR CONSTRUCCIÓN DEL VEHÍCULO / REQUIREMENTS CONCERNING THE METHOD FOR MEASURING THE MAXIMUM DESIGN VEHICLE SPEED**

Reglamento Delegado (UE) / Delegated Regulation (EU) No. 134/2014/X\*2018/295

IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO / IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make	: MANGOSTEEN
Tipo / Type	: M1
Variantes/Versiones ensayadas / Tested variants/versions	: 02/01
Variantes/Versiones cubiertas / Covered variants/versions	: 02/01
Categoría, subcategoría y sub-subcategoría / Category, subcategory and sub-subcategory	: L1e-B
Nº de bastidor / Frame number	: Prototipo / Prototype
Fecha de recepción de la muestra / Date sample received	: 13.05.2022

ESPECIFICACIONES DEL VEHÍCULO / SPECIFICACIONES OF THE VEHICLE

- Motor / Engine
 

Marca / Make	: Qianjiang
Tipo/Nº motor / Type/Engine No.	: MGSD60VA / 619982
Tensión de trabajo / Operating voltage	: 60 V DC
Unidad de control del motor eléctrico / Electric motor control unit	: M1S
Potencia neta continua máxima / Maximum continuous rated power	: 2.0 kW a / at 420 min <sup>-1</sup>
- Baterías / Batteries
 

Tipo / Type	: Lithium battery
Nº de celdas / No. of cells	: 160
Capacidad / Capacity	: 50 Ah
Tensión / Voltage	: 60 V
- Caja de cambios / Gearbox
 

Tipo / Type	: Wheel-hub motor
Relación final / Final drive ratio	: 1
- Velocidad máxima declarada / Maximum declared speed
 

	: 45 km/h
--	-----------

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THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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- Neumáticos / Tyres

	Dimensiones / Size	Presión / Pressure (kPa)
Delantero / Front	130/70-12	250
Trasero / Rear	215/40-12	250

- Condiciones de carga del vehículo / Load conditions of the vehicle:

	P.O.M. <sup>(1)</sup> / M.R.O. <sup>(1)</sup> (kg)	Masa real <sup>(2)</sup> + Baterías / Actual mass <sup>(2)</sup> + Batteries (kg)
Delantero / Front	31	63
Posterior / Rear	43	105
TOTAL	74	168

<sup>(1)</sup> Peso en orden de marcha / Mass in running order

<sup>(2)</sup> Masa real = Peso en orden de marcha + conductor (75 kg) / Actual mass = Mass in running order + driver (75kg)

#### CONDICIONES DEL ENSAYO / TEST CONDITIONS

Temperatura / Temperature	: 25.3 °C
Humedad / Humidity	: 73 %
Presión atmosférica / Barometric pressure	: 101.2 kPa
Viento / Wind	: 0.2 m/s (SSE)
Tipo de ensayo / Test type	: Type 1 Double direction
Sentido de marcha / Direction	: S-N, N-S
Velocidad utilizada / Gear used	: N.A.

#### RESULTADOS DEL ENSAYO / TEST RESULTS

Sentido / Direction	V <sub>1</sub>	V <sub>2</sub>	V <sub>sent/direc</sub>	V <sub>med/aver</sub>	% Diff.	V <sub>max</sub>
S-N	45.43	45.52	45.48	45.47	0.31	45.40
N-S	45.41	45.48	45.45			
S-N	44.98	45.21	45.10	45.33	0.96	45.12
N-S	45.37	45.73	45.55			
S-N	45.19	44.98	45.09	44.90		
N-S	44.67	44.72	44.70			

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**RESULTADO FINAL / FINAL RESULT**

Velocidad ensayada / <i>Tested speed</i>	45 km/h
Velocidad declarada / <i>Specified speed</i>	45 km/h
Diferencia / <i>Difference (&lt; 5%)</i>	0 %

(\*)  $V_{max}$  redondeada al entero más cercano /  $V_{max}$  rounded to the closest whole number

**EQUIPO DE ENSAYO / TEST EQUIPMENT**

- DGPS Sistema completo de adquisición de datos /  
*DGPS Full data acquisition system:*

Fabricante / *Manufacturer* : RACELOGIC  
 Modelo / *Model* : VB3i-V4G  
 N° Serie / *Serial No.* : 046534

- Pantalla Multilínea / *Multiline Display:*

Fabricante / *Manufacturer* : RACELOGIC  
 Modelo / *Model* : RLVBDSP03

- Antena GPS / *GPS Antena:*

Fabricante / *Manufacturer* : RACELOGIC  
 Modelo / *Model* : RLACS156

- Medidor de temperatura y humedad / *Temperature and humidity meter:*

Fabricante / *Manufacturer* : 1. Changchun Meteorological Instrument Factory Co., Ltd.  
 2. ---  
 Modelo / *Model* : 1. DYM3  
 2. HTC-1

- Báscula / *Scales*

Fabricante / *Manufacturer* : BAOHENG  
 Modelo / *Model* : TCS-500

Lugar del ensayo / *Test place* : NMQSII, Nanchang (China)

Fecha del ensayo / *Test date* : 24.05.2022



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APÉNDICE / APPENDIX M1/3/2014/V/01

**REQUISITOS APLICABLES A LA DECLARACIÓN DEL FABRICANTE SOBRE LOS ENSAYOS DE DURABILIDAD DE LOS SISTEMAS CRÍTICOS PARA LA SEGURIDAD FUNCIONAL, PIEZAS Y EQUIPOS / REQUIREMENTS APPLYING TO MANUFACTURERS' DECLARATION REGARDING ENDURANCE TESTING OF FUNCTIONAL SAFETY CRITICAL SYSTEMS, PARTS AND EQUIPMENT**

**Reglamento Delegado (UE) / Delegated Regulation (EU) No. 3/2014/V\*2016/1824**

IDENTIFICACIÓN DEL VEHÍCULO / IDENTIFICATION OF THE VEHICLE

Marca / Make : MANGOSTEEN  
 Tipo / Type : M1  
 Variante(s)/versión(es) / Variant(s)/version(s) : 00/01, 01/01, 02/01  
 Categoría, subcategoría y sub-subcategoría /  
 Category, subcategory and sub-subcategory : L1e-B

La declaración del fabricante está de acuerdo con el artículo 22, apartado 2 y el anexo VIII del Reglamento (UE) nº 168/2013 / *Manufacturers' statement is in conformity with Article 22(2) and Annex VIII to Regulation (EU) No 168/2013*

La distancia de uso normal para la categoría L1e-B es de /  
*Normal distance of use for this category L1e-B is at least* : 16500 km

La declaración del fabricante se entiende realizada sin perjuicio de sus obligaciones de prestación de garantía al propietario del vehículo. / *The manufacturer's statement is without prejudice to its warranty obligations towards the owner of the vehicle.*

Ver declaración del fabricante en la información del fabricante. / *See manufacturer's declaration in the information document.*

Lugar / Place : Qingyuan, Guangdong (China)  
 Fecha / Date : 20.05.2022



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APÉNDICE / APPENDIX M1/3/2014/VIII/02

REQUISITOS APLICABLES A LOS MANDOS ACCIONADOS POR EL CONDUCTOR, CON IDENTIFICACIÓN DE LOS MANDOS, LUCES TESTIGO E INDICADORES / REQUIREMENTS APPLYING TO DRIVER-OPERATED CONTROLS INCLUDING IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS

Reglamento Delegado (UE) / Delegated Regulation (EU) No. 3/2014/VIII\*2016/1824

IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO / IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make : MANGOSTEEN  
 Tipo / Type : M1  
 Variantes/Versiones ensayadas / Tested variants/versions : 01/01, 02/01  
 Variantes/Versiones cubiertas / Covered variants/versions : Todas / All  
 Categoría, subcategoría y sub-subcategoría / Category, subcategory and sub-subcategory : L1e-B  
 N° de bastidor / Frame number : Prototipos / Prototypes  
 Velocidad máxima / Maximum speed : 25 km/h (Var./ver. 01/01)  
 45 km/h (Var./ver. 02/01)  
 Fecha de recepción de la muestra / Date sample received : 13.05.2022

DATOS DEL VELOCIMETRO / SPEEDOMETER SYSTEM DATA:

Marca / Make : Elephant  
 Tipo / Type : DX80A  
 Clase / Class : Digital / Digital  
 Escala / Dial : km/h y mph/ km/h and mph

CONDICIONES DEL VEHÍCULO / CONDITIONS OF THE VEHICLE:

	Masa real <sup>(1)</sup> + Baterías / Actual mass <sup>(1)</sup> + Batteries (kg)	Neumáticos / Tyre size	Presión neumáticos / Tyre pressures
Delantero / Front	Var./ver. 01/01: 58	130/70-12	250+20
	Var./ver. 02/01: 63		
Posterior / Rear	Var./ver. 01/01: 99	215/40-12	250+20
	Var./ver. 02/01: 105		
TOTAL	Var./ver. 01/01: 157		
	Var./ver. 02/01: 168		

<sup>(1)</sup> Masa real = Peso en orden de marcha + conductor (75 kg) / Actual mass = Mass in running order + driver (75kg)

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PARTE 1 IDENTIFICACIÓN DE LOS MANDOS, LUCES TESTIGO E INDICADORES /  
 PART 1 IDENTIFICATION OF CONTROL, TELL-TALES AND INDICATORS

Denominación / Designation	Símbolo / Symbol	Control / Control			Testigo/indicador / Tell-tale/indicator		
		Presente / Present <sup>(1)</sup>	Símbolo correcto / Correct symbol <sup>(1)</sup>	Situación correcta / Correct position	Presente / Present <sup>(1)</sup>	Incorpora símbolo / Symbol fitted <sup>(1)</sup>	Situación correcta / Correct position
Parada del motor suplementaria (apagado) / Supplemental engine stop (OFF)		Y	Y	Y	N	N.A.	N.A.
Control de parada del motor suplementaria (marcha) / Supplemental engine stop control (RUN)		Y	Y	Y	N	N.A.	N.A.
Starter eléctrico / Electric starter		N	N.A.	N.A.	N	N.A.	N.A.
Señal acústica / Audible warning devide		Y	Y	Y	N	N.A.	N.A.
Luz de carretera / Driving beam		Y	Y	Y	Y	Y	Y
Luz de cruce / Passing beam		Y	Y	Y	N	N.A.	N.A.
Interruptor general de aluminado / Master lamp switch		Y	Y	Y	N	N.A.	N.A.
Luz de posición / Position lamp		Y	Y	Y	Y	Y	Y
Indicadores de dirección / Direction indicators		Y	Y	Y	Y	Y	Y
Luz de emergencia / Hazard warning signal		Y	Y	Y	Y	Y	Y
Control de régimen del motor / Engine speed control	N.A.	Y	N.A.	Y	N.A.	N.A.	N.A.
Control del freno delantero / Front wheel brake control	N.A.	Y	N.A.	Y	N.A.	N.A.	N.A.
Control del freno trasero / Rear wheel brake control	N.A.	Y	N.A.	Y	N.A.	N.A.	N.A.
Velocímetro / Speedometer	N.A.	N.A.	N.A.	N.A.	Y	N.A.	Digital
Cuentakilómetros / Odometer	N.A.	N.A.	N.A.	N.A.	Y	N.A.	Digital

<sup>(1)</sup> Y=SI /Yes

N=No / No

\* = Símbolo específico en relación al Anexo VIII / Specific symbol regarding to Annex VIII

<sup>(2)</sup>OK =Correcto / Correct

<sup>(3)</sup>Testigos separados / Split in two

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**Observación / Remark:** Se ha verificado que todos aquellos controles, indicadores y testigos usados para funciones que no aparecen en la Tabla 1 del Reglamento UN nº 60 no causan confusión con ningún otro símbolo de la tabla mencionada tal y como establece el punto 5.1 / *It has been verify all those controls, indicators and tell-tales used for function where no symbol at Table 1 UN Regulation No.60 is available, not cause confusión with any other symbol of mentioned table as stated in ítem 5.1.*

PARTE 2 VELOCÍMETRO Y ODÓMETRO / PART 2 SPEEDOMETER AND ODOMETER

Especificaciones generales del velocímetro y del odómetro (L1e)/  
General requirements of the speedometer and odometer(L1e)

- Odómetro / *Odometer*
  - Instalación del odómetro / *Odometer Installation* .....CORRECTO / *CORRECT*  
Digital en km o millas / *Digital in km or miles*
- Velocímetro / *Speedometer*
  - Escala dentro del campo de visión y visible de día y de noche /  
*Dial within the direct field of view and clearly legible both day and night* .....CORRECTO / *CORRECT*
  - Incluye la velocidad máxima del vehículo /  
*Includes the maximum speed of the vehicle* .....CORRECTO / *CORRECT*
  - Graduación no digital claramente legible /  
*Not digital dial clearly graduated* .....NO APLICABLE / *NOT APPLICABLE*
  - Graduaciones de la escala / *Subdivisions of the dial* .....CORRECTO / *CORRECT*  
Valor de los intervalos /  
*Value intervals : 1 km/h* .....CORRECTO / *CORRECT*
  - Valor numérico intervalos no superiores a 10 km/h /  
*Numerical value intervals not exceeding 10 km/h* .....CORRECTO / *CORRECT*  
  
Valor de velocidad máxima no superior a 80 km/h /  
*Value of maximum speed not exceeding 80 km/h* .....CORRECTO / *CORRECT*
  - Velocímetro graduado en mph / *Speedometer graduated in mph* .....CORRECTO / *CORRECT*  
Valor de los intervalos /  
*Value intervals: 1 mph* .....CORRECTO / *CORRECT*
  - Valor numérico intervalos no superiores a 20mph /  
*Numerical value intervals not exceeding 20mph* .....CORRECTO / *CORRECT*  
  
A partir de valores numéricos a 10mph o mph 20 /  
*Beginning of numerical values at 10mph or 20mph* .....NO APLICABLE / *NOT APPLICABLE*

Resultados del ensayo / Test results

- Condiciones de ensayo / *Test conditions*
  - El ensayo se efectúa en pista con un revestimiento plano, seco y de adherencia suficiente / *The test is carried out on a track, the surface of which is flat, dry and provides sufficient grip* .....CORRECTO / *CORRECT*
  - Temperatura de referencia en el velocímetro igual a 23 °C ± 15 °C /  
*Reference temperature at the speedometer equal to 23 °C ± 15 °C* .....CORRECTO / *CORRECT*
  - Temperatura ambiente / *Ambient temperature: 25.3 °C*

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• Resultados del ensayo (en km/h) / *Test results (in km/h)*

Variantes/versiones / <i>Variants/versions</i>	01/01			02/01		
	Velocidad indicada / <i>Read speed</i>	20	20	20	36	36
Velocidad real / <i>Actual speed</i>	19.1	19.3	19.5	35.2	34.6	33.9
Diferencia (indicada-real) / <i>Difference (read-actual)</i>	0.9	0.7	0.5	0.8	1.4	2.1
Valor límite / <i>Limit value</i>	5.91	5.93	5.95	7.52	7.46	7.39

Resultado del ensayo / *Test result (km/h)*.....CORRECTO / *CORRECT*

• Resultados del ensayo (en mph) / *Test results (in mph)*

Variantes/versiones / <i>Variants/versions</i>	01/01			02/01		
	Velocidad indicada / <i>Read speed</i>	12	12	12	22	22
Velocidad real / <i>Actual speed</i>	11.3	11.7	11.6	20.1	20.2	20.0
Diferencia (indicada-real) / <i>Difference (read-actual)</i>	0.7	0.3	0.4	1.9	1.8	2.0
Valor límite / <i>Limit value</i>	3.61	3.65	3.64	4.49	4.50	4.48

Resultado del ensayo / *Test result (mph)*.....CORRECTO / *CORRECT*

EQUIPO DE ENSAYO / *TEST EQUIPMENT*

- DGPS Sistema completo de adquisición de datos /  
*DGPS Full data acquisition system:*

Fabricante / *Manufacturer* : RACELOGIC  
 Modelo / *Model* : VB3i-V4G  
 N° Serie / *Serial No.* : 046534

- Medidor de temperatura y humedad / *Temperature and humidity meter:*

Fabricante / *Manufacturer* : Changchun Meteorological Instrument Factory Co., Ltd.  
 Modelo / *Model* : DYM3

Lugar del ensayo / *Test place* : NMQSII, Nanchang (China)

Fecha del ensayo / *Test date* : 24.05.2022



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APÉNDICE / APPENDIX M1/3/2014/IX/02

**REQUISITOS APLICABLES A LA INSTALACIÓN DE DISPOSITIVOS DE ALUMBRADO Y SEÑALIZACIÓN LUMINOSA, INCLUIDO EL ENCENDIDO Y APAGADO AUTOMÁTICO DEL ALUMBRADO / REQUIREMENTS APPLYING TO INSTALLATION OF LIGHTING AND LIGHT SIGNALLING DEVICES, INCLUDING AUTOMATIC SWITCHING OF LIGHTING**

**Reglamento Delegado (UE) / Delegated Regulation (EU) No. 3/2014/IX\*2016/1824**

IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO / IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make : MANGOSTEEN  
 Tipo / Type : M1  
 Variantes/Versiones ensayadas / Tested variants/versions : 02/01  
 Variantes/Versiones cubiertas / Covered variants/versions : Todas / All  
 Categoría, subcategoría y sub-subcategoría / Category, subcategory and sub-subcategory : L1e-B  
 N° de bastidor / Frame number : Prototipo / Prototype  
 Fecha de recepción de la muestra / Date sample received : 13.05.2022

LISTADO DE LOS DISPOSITIVOS DE ALUMBRADO Y SEÑALIZACIÓN LUMINOSA (L1e) / LIST OF LIGHTING AND LIGHT-SIGNALLING DEVICES (L1e)

**Dispositivos de instalación obligatoria / Devices of mandatory installation**

Luz de cruce / Dipped-beam headlamp .....E4-113R-0011171  
 .....Opción / Option: E4\*113R02/00\*27489\*00  
 Luz de posición trasera / Rear position lamp .....E4\*50R00/19\*26277\*00  
 .....Opción / Option: E24\*50R00/20\*0431\*00  
 Catadióptrico trasero no triangular / Non-triangular rear retro-reflector .....IA E4 023713  
 Dispositivo de alumbrado de la placa posterior de matrícula / Rear registration plate lamp .....E4\*50R00/19\*26277\*00  
 .....Opción / Option: E24\*50R00/20\*0368\*00  
 Luz de freno / Stop-lamp .....E4\*50R00/19\*26277\*00  
 .....Opción / Option: E24\*50R00/20\*0431\*00  
 Catadióptricos laterales no triangulares / Non-triangular side retro-reflectors .....IA E4 023713

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**Dispositivos de instalación optativa / Devices of optional installation**

Luz de carretera / <i>Main-beam headlamp</i> .....	E4-113R-0011171
.....	Opción / Option: E4*113R02/00*27489*00
Luz de posición delantera / <i>Front position lamp</i> .....	E4-50R-0011171
.....	Opción / Option: E4*50R00/20*27489*00
Luces indicadoras de dirección / <i>Direction indicator lamps</i> .....	Del. / Front: E4-50R-000695
.....	Opción / Option: E4*50R00/19*2854*00
.....	Tras. / Rear: E4-50R-000695
.....	Opción / Option: E4*50R00/19*2854*00
Luz antiniebla delantera / <i>Front fog lamps</i> .....	NO EQUIPADO / NOT FITTED
Luz antiniebla trasera / <i>Rear fog lamp</i> .....	NO EQUIPADO / NOT FITTED
Luces de emergencia / <i>Hazard warning signal</i> .....	NO EQUIPADO / NOT FITTED
Luz de circulación diurna / <i>Daytime running lamp</i> .....	(*) 00 RL E4 27489
(*) Only for versión 01	

**DISPOSICIONES GENERALES / GENERAL SPECIFICATIONS**

Los dispositivos de alumbrado y señalización funcionan correctamente a pesar de las vibraciones / <i>The lighting and light-signalling devices perform correctly under normal conditions of use and vibrations</i> .....	CORRECTO / CORRECT
Luces de alumbrado de regulación fácil / <i>Alignment of illuminating lamps can easily be set correctly</i> .....	CORRECTO / CORRECT
Eje de referencia de las luces perpendiculares al plano longitudinal / <i>Reference axis of the lamp perpendicular to the median longitudinal plane of the vehicle</i> .....	CORRECTO / CORRECT
Condiciones de ensayo / <i>Test conditions</i> .....	CORRECTO / CORRECT
Igualdad de funciones de luces del mismo par / <i>Equality of functions of the same pair of lamps</i> .....	CORRECTO / CORRECT
Agrupación, combinación o incorporación de luces / <i>Grouping, combination or incorporation of lamps</i> .....	CORRECTO / CORRECT
Luces intermitentes únicamente indicadoras de dirección o de emergencia / <i>No lamps other than direction indicator lamps and hazard warning signal may emit flashing light</i> .....	CORRECTO / CORRECT
No visibilidad de luz roja y luz blanca delante o detrás respectivamente / <i>No red lamp and white lamp must be visible towards the front or the rear respectively</i> .....	CORRECTO / CORRECT

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Conexión simultánea de las luces de posición (si procede) y cruce delanteras con posición y matrícula traseras / *Simultaneous switch on of the front position lamp and the dipped-beam headlamp with the rear position lamp and the rear registration plate lamp* .....CORRECTO / CORRECT

Conexión eléctrica de las luces de carretera, cruce y antiniebla con las de posición y matrícula / *The electrical connection of the main-beam lamp, the dipped-beam lamp and the fog lamp cannot be switched on until the front position lamp, the rear position lamp and the rear registration plate lamp have also been switched on* .....CORRECTO / CORRECT

Vehículo equipado con faro delantero que se enciende automáticamente cuando se active el interruptor principal de control del vehículo / *Vehicle fitted with headlamp which are automatically switched on when the vehicle master control switch has been activated*.....CORRECTO / CORRECT

Visibilidad de los testigos luminosos / *All tell-tales must be clearly visible* .....CORRECTO / CORRECT

El color de las luces es correcto / *The colour emitted by the lamps is adequate*.....CORRECTO / CORRECT

Los dispositivos de alumbrado y de señalización luminosa están homologados / *The lighting and light-signalling devices incorporating the vehicle are approved*.....CORRECTO / CORRECT

**DISPOSICIONES PARTICULARES DE INSTALACIÓN / SPECIFIC FITTING REQUIREMENTS**

Nº / No	Denominación / Designation	Dispone / Presence		Contraseña de homologación / Approval mark	Número / Number	Color / Colour	Emplazamiento en anchura / Location in width	Emplazamiento en altura / Location in height	Emplazamiento en longitud / Length location	Visibilidad Geométrica / Geometrical Visibility	Orientación / Orientation	Relación con otros dispositivos / Relation with other devices	Conexión eléctrica / Electrical connections	Requisitos de instalación para SAH / HIAS fitting requirements	Testigo de conexión / Circuit-closed tell-tale	Otros requisitos / Other requirements
8.01	Luces de carretera / <i>Driving-beam headlamps</i>	Y	C		1	Blanco / <i>White</i>	C	C	FW	C	C	Y	C	N	Y	--
8.02	Luces de cruce / <i>Passing-beam headlamps</i>	Y	C		1	Blanco / <i>White</i>	C	C	FW	C	C	Y	C	N	N	--
8.03	Luces indicadoras de dirección / <i>Direction indicator lamps</i>	Y	C		4	Amarillo / <i>Ambar</i>	C	C	FW / RW	C	C	Y	C	N	Y	--
8.04	Luces de frenado / <i>Stop lamps</i>	Y	C		1	Rojo / <i>Red</i>	C	C	RW	C	C	Y	C	N	N	--
8.05	Luz de posición delantera / <i>Front position lamp</i>	Y	C		1	Blanco / <i>White</i>	C	C	FW	C	C	Y	C	N	O	--

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THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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Nº / No	Denominación / Designation	Dispone / Presence	Contra-seña de homologación / Approval mark	Número / Number	Color / Colour	Emplazamiento anchura / Location in width	Emplazamiento en altura / Location in height	Emplazamiento en longitud / Length location	Visibilidad Geométrica / Geometrical Visibility	Orientación / Orientation	Relación con otros dispositivos / Relation with other devices	Conexión eléctrica / Electrical connections	Requisitos de instalación para SAIH / HIAS fitting requirements	Testigo de conexión / Circuit-closed tell-tale	Otros requisitos / Other requirements
8.06	Luces de posición traseras / Rear position lamps	Y	C	1	Rojo / Red	C	C	RW	C	C	Y	C	N	N	--
8.07	Dispositivos de alumbrado de la placa posterior de matrícula / Rear registration plate lamp	Y	C	1	Blanco / White	C	C	C	C	C	N	C	N	N	--
8.08	Catadióptricos traseros no triangulares / Non-triangular rear retro-reflectors	Y	C	1	Rojo / Red	C	C	RW	C	C	N	N	N	N	--
8.09	Catadióptricos laterales no triangulares / Non-triangular side retro-reflectors	Y	C	2	Amarillo / Amber	C	C	C	C	C	N	N	N	N	--
8.10	Luces de emergencia / Hazard warning signal	N	N	N	N	N	N	N	N	N	N	N	N	N	--
8.11	Luz antiniebla delantera / Front fog lamps	N	N	N	N	N	N	N	N	N	N	N	N	N	--
8.12	Luz antiniebla trasera / Rear fog lamp	N	N	N	N	N	N	N	N	N	N	N	N	N	--
8.13	Luz de circulación diurna / Day time running lamp	N	N	N	N	N	N	N	N	N	N	N	N	N	--

Y : Yes; N : No; C : Conforms; O : Optional  
 L : Left  
 R : Right  
 FW : Frontwards  
 RW : Rearwards

Lugar del ensayo / Test place : NMQSII, Nanchang (China)  
 Fecha del ensayo / Test date : 20.05.2022



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IDIADA Automotive Technology, S.A. N.I.F. A43581610 Servicio Técnico Designado de Homologación (TS)



APÉNDICE / APPENDIX M1/3/2014/X/01

REQUISITOS RELATIVOS A LA VISIBILIDAD TRASERA /  
REQUIREMENTS REGARDING REAWARD VISIBILITY

Reglamento Delegado (UE) / Delegated Regulation (EU) No. 3/2014/X\*2016/1824

IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO /  
IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make : MANGOSTEEN  
 Tipo / Type : M1  
 Variantes/Versiones ensayadas /  
Tested variants/versions : 02/01  
 Variantes/Versiones cubiertas /  
Covered variants/versions : Todas / All  
 Categoría, subcategoría y sub-subcategoría /  
Category, subcategory and sub-subcategory : L1e-B  
 N° de bastidor / Frame number : Prototipo / Prototype  
 Fecha de recepción de la muestra /  
Date sample received : 13.05.2022

DATOS DE LOS RETROVISORES / REAR-VIEW MIRRORS DATA

	EXT. IZQUIERDO / LEFT-HAND EXT.	EXT. DERECHO / RIGHT-HAND EXT.
Marca de fábrica o comercial / Make or trade name	XIONGXIN	XIONGXIN
Tipo / Modelo Type / Model	XX-005	XX-005
Contraseña de homologación / Component type-approval	L E11 002066	L E11 002066
Clase / Class	L	L
Número / Number	1	1

EMPLAZAMIENTO / POSITION

Los retrovisores se mantienen en posición estable /  
All rear-view mirrors remain in a stable position  
under normal vehicle driving conditions .....CORRECTO / CORRECT

VEHICULOS NO CARROZADOS / UNBODIED VEHICLES

Distancia del plano longitudinal medio del vehículo hasta el centro del  
retrovisor / Distance between the median longitudinal plane of the vehicle  
and the centre of the reflecting surface: 410 mm > 280 mm .....CORRECTO / CORRECT

Visión lateral y posterior clara /  
Clear view of the road to the rear and side(s) of the vehicle .....CORRECTO / CORRECT

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## VEHICULOS CARROZADOS / BODIED VEHICLES

Visibilidad retrovisor a través de cristales laterales o superficie barrida por el parabrisas / *Exterior rear-view mirrors are visible through the sidewindow or through the portion of the wind screen wich is swept by the wind screen wiper* .....NO APLICABLE / NOT APPLICABLE

Ángulo formado entre el plano medio longitudinal vertical del vehículo y el plano vertical que pasa por el centro de la parte posterior y por el centro de la línea recta que une dos puntos oculares del conductor / *Angle formed between the vertical longitudinal median plane of the vehicle and the vertical plane passing through the centre of the rear view and through the centre of the straight line which joins the driver's two ocular points:*  
--- < 55° .....NO APLICABLE / NOT APPLICABLE

El retrovisor no sobresale más de 0.20 m del punto más exterior del vehículo / *The rear-view mirror not project more than 0.20 m beyond the overall width of the vehicle* .....NO APLICABLE / NOT APPLICABLE

Aplicable si el borde inferior del retrovisor está situado a menos de 2 m del suelo / *Where the lower edge of an exterior rear-view mirror is less than 2 m above the ground*.....NO APLICABLE / NOT APPLICABLE

## NÚMERO DE RETROVISORES / NUMBER OF REAR-VIEW MIRRORS

Nº de retrovisores que incorpora el vehículo /  
*Number of rear-viewmirrors of the vehicle:* 2 .....CORRECTO / CORRECT

## AJUSTE DEL RETROVISOR / ADJUSTMENT

Ajuste por el conductor desde el puesto de conducción /  
*Adjustment by drivers from their driving position* .....CORRECTO / CORRECT

Lugar del ensayo / *Test place* : NMQSII, Nanchang (China)  
Fecha del ensayo / *Test date* : 22.05.2022

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## APÉNDICE / APPENDIX M1/3/2014/XV/02

**REQUISITOS APLICABLES A LA INSTALACIÓN DE NEUMÁTICOS /  
 REQUIREMENTS REGARDING THE INSTALLATION OF TYRES**
**Reglamento Delegado (UE) / Delegated Regulation (EU) No. 3/2014/XV\*2016/1824**
IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO /  
 IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make : MANGOSTEEN  
 Tipo / Type : M1  
 Variantes/Versiones ensayadas /  
 Tested variants/versions : 02/01  
 Variantes/Versiones cubiertas /  
 Covered variants/versions : Todas / All  
 Categoría, subcategoría y sub-subcategoría /  
 Category, subcategory and sub-subcategory : L1e-B  
 N° de bastidor / Frame number : Prototipo / Prototype  
 Fecha de recepción de la muestra /  
 Date sample received : 13.05.2022

DATOS DE LOS NEUMÁTICOS / TYRE DATA

NEUMÁTICO / TYRE	1 <sup>er</sup> eje / 1 <sup>st</sup> axle	2 <sup>o</sup> eje / 2 <sup>nd</sup> axle
Contraseña de homologación / Type-approvalmark	1. E11-75R-000024 2. E9*75R00/17*1205*00 3. E4-75R-0016084	1. E4-75R-0013796 2. E4-75R-0016106
Marca de fábrica o comercial y modelo / Trade name or make and model	1. DURO / HF-296A 2. DABAISHA / 130/70-12 62J 3. RUDDER / J-2310	1. YONGXIN / L81006 2. RUDDER / J-2332
Designación medida / Tyre size designation	130/70-12	215/40-12
Tipo utilización / Category of use	1. Ordinary 2 & 3. Normal	Normal
Estructura del neumático / Tyres tructure	Diagonal	Diagonal
Símbolo categoría velocidad / Speed category symbol	1 & 2. J 3. L	M
Índice capacidad de carga / Load- capacity index	1. 58 2. 62 3. 56	52
Dimensiónmontajeneum./lanta / Cross section profile dimension/rim	3.50 x 12 or 12*MT2.75	8.00 x 12 or 12*7.5

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Montaje del neumático / Tyre fitting

Neumáticos del mismo tipo montados sobre un mismo eje /  
Tyres fitted to a given axle are of the same type .....NO APLICABLE / NOT APPLICABLE

El neumático no interfiere con la carrocería en el caso de  
dimensiones y recorrido de suspensión más desfavorable / Tyres have  
unrestricted movement within the suspension, steering and wheel  
guard constrains provided by the vehicle manufacturer.....CORRECTO / CORRECT

Capacidad de carga / Load capacity

Nivel de carga máxima de los neumáticos /  
Maximum load rating.....CORRECTO / CORRECT

Capacidad de velocidad / Speed capability

Compatibilidad del símbolo de velocidad /  
Compatibility of speed category symbol.....CORRECTO / CORRECT

Neumáticos de nieve o multiservicio /  
Snow or multiservice tyres .....NO APLICABLE / NOT APPLICABLE

CASOS ESPECIALES / SPECIAL CASES

Ciclomotor: incorporaneumáticos de motocicleta /  
Motorcycle tyres may also be fitted to mopeds .....CORRECTO / CORRECT

Vehículos que no incorporen neumáticos de motocicleta, ni  
devehículos de pasajes ni de vehículos industriales y  
ciclomotores deprestaciones reducidas: Los neumáticos  
montados son adecuadospara funcionamiento vehículo /  
Vehicles with tyres which are not motorcycle tyres, passenger  
car tyres or commercial vehicle tyres: Tyres fitted are  
suitable for the operating conditions .....NO APLICABLE / NOT APPLICABLE

PRESIÓN NEUMÁTICOS / TYRE PRESSURES

Etiqueta en el vehículo / Label attached to the vehicle .....CORRECTO / CORRECT

Situación y fijación / Location and fixing method.....CORRECTO / CORRECT

Información incluida en el manual de usuario /  
Information stated on owner's manual .....CORRECTO / CORRECT

Lugar del ensayo / Test place : NMQSII, Nanchang (China)  
Fecha del ensayo / Test date : 25.05.2022

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**APÉNDICE / APPENDIX M1/3/2014/XIX/01****REQUISITOS RELATIVOS A LA INTEGRIDAD DE LA ESTRUCTURA DEL VEHÍCULO /  
REQUIREMENTS REGARDING VEHICLE STRUCTURE INTEGRITY****Reglamento Delegado (UE) / Delegated Regulation (EU) No. 3/2014/XIX\*2016/1824**IDENTIFICACIÓN DEL VEHÍCULO / IDENTIFICATION OF THE VEHICLE

Marca / Make : MANGOSTEEN  
Tipo / Type : M1  
Variante(s)/versión(es) / Variant(s)/version(s) : 00/01, 01/01, 02/01  
Categoría, subcategoría y sub-subcategoría /  
Category, subcategory and sub-subcategory : L1e-B

Declaración del fabricante de la integridad de la estructura del vehículo /  
Manufacturer vehicle structure integrity statement .....CORRECTO / CORRECT

Lugar / Place : Qingyuan, Guangdong (China)  
Fecha / Date : 20.05.2022

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APÉNDICE / APPENDIX M1/44/2014/IV/01

REQUISITOS APLICABLES A LA CONFORMIDAD DE LA PRODUCCIÓN /  
REQUIREMENTS APPLYING TO CONFORMITY OF PRODUCTION

Reglamento Delegado (UE) / Delegated Regulation (EU) No. 44/2014/IV\*2018/295

IDENTIFICACIÓN DEL VEHÍCULO / IDENTIFICATION OF THE VEHICLE

Marca / Make : MANGOSTEEN  
Tipo / Type : M1  
Variante(s)/versión(es) / Variant(s)/version(s) : 00/01, 01/01, 02/01  
Categoría, subcategoría y sub-subcategoría /  
Category, subcategory and sub-subcategory : L1e-B

La autoridad de homologación ha verificado la existencia de disposiciones y procedimientos satisfactorios establecidos por el fabricante para garantizar el control eficaz, de manera que los vehículos, sistemas, componentes o unidades técnicas independientes en el momento de la producción sean conformes con el tipo homologado / *The approval authority has verified the existence of satisfactory arrangements and procedures established by the manufacturer for ensuring effective control so that vehicles, systems, components or separate technical units when in production conform to the approved type*.....CORRECTO / CORRECT

Lugar / Place : Qingyuan, Guangdong (China)  
Fecha / Date : 20.05.2022

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APÉNDICE / APPENDIX M1/44/2014/XI/02

REQUISITOS APLICABLES A MASAS Y DIMENSIONES /  
REQUIREMENTS APPLYING TO MASSES AND DIMENSIONS

Reglamento Delegado (UE) / Delegated Regulation (EU) No. 44/2014/XI\*2018/295

IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO /  
IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make	:	MANGOSTEEN
Tipo / Type	:	M1
Variantes/Versiones ensayadas / Tested variants/versions	:	01/01, 02/01
Variantes/Versiones cubiertas / Covered variants/versions	:	00/01, 01/01, 02/01
Categoría, subcategoría y sub-subcategoría / Category, subcategory and sub-subcategory	:	L1e-B
Nº de bastidor / Frame number	:	Prototipos / Prototypes
Fecha de recepción de la muestra / Date sample received	:	13.05.2022

MASAS / MASSES

Masa en orden de marcha / Mass in running order	:	74 kg
Masa del equipo opcional / Optional equipment mass	:	--- kg
Masa de la batería de propulsión / Battery propulsion mass	:	8 kg (Var./ver. 00/01) 19 kg (Var./ver. 02/01)
Masa real / Actual mass	:	157 kg (Var./ver. 00/01) 168 kg (Var./ver. 02/01)
Masa máxima técnicamente admisible / Technically permissible maximum mass	:	200 kg
Masa útil máxima admisible / Maximum pay-mass declared by the manufacturer	:	
TPMM – Masa actual	:	43 kg (Var./ver. 00/01) 32 kg (Var./ver. 02/01)

Validate this report with the security code «A446UOKA» at: <https://extranet.idiada.com/hom-cve>  
Verifique el informe con código de seguridad «A446UOKA» en: <https://extranet.idiada.com/hom-cve>

CN22070920



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## DIMENSIONES / DIMENSIONS

Longitud / *Length* = 2080 (2080) ≤ 4000 mm .....CORRECTO / *CORRECT*

Anchura / *Width* = 920 (920) ≤ 1000 mm .....CORRECTO / *CORRECT*  
(ciclomotores de dos ruedas / *two-wheel mopeds*)

Anchura / *Width* = --- (---) ≤ 2000 mm .....NO APLICABLE / *NOT APPLICABLE*  
(otros / *other vehicles*)

Altura / *Height* = 1190 (1190) ≤ 2500 mm .....CORRECTO / *CORRECT*

Distancia entre ejes / *Wheelbase* = 1535 (1535) mm.....CORRECTO / *CORRECT*

Altura libre desde el suelo / *Ground clearance* = --- (---) .....NO APLICABLE / *NOT APPLICABLE*

Altura del sillín / *Seat height* = --- (---) .....NO APLICABLE / *NOT APPLICABLE*

Observaciones / *Remarks*: Los valores entre paréntesis corresponden a los declarados por el fabricante /  
*Values between parentheses are declared by the manufacturer*

Lugar del ensayo / *Test place* : NMQSII, Nanchang (China)

Fecha del ensayo / *Test date* : 23.05.2022

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Verifique el informe con código de seguridad «A446UOKA» en: <https://extranet.idiada.com/hom-cve>

CN22070920

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APÉNDICE / APPENDIX M1/44/2014/XIV/01

REQUISITOS APLICABLES AL ESPACIO DESTINADO A LA PLACA DE MATRÍCULA /  
REQUIREMENTS APPLYING TO THE REGISTRATION PLATE

Reglamento Delegado (UE) / Delegated Regulation (EU) No. 44/2014/XIV\*2018/295

IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO /  
IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Marca / Make	: MANGOSTEEN
Tipo / Type	: M1
Variantes/Versiones ensayadas / Tested variants/versions	: 02/01
Variantes/Versiones cubiertas / Covered variants/versions	: 00/01, 01/01, 02/01
Categoría, subcategoría y sub-subcategoría / Category, subcategory and sub-subcategory	: L1e-B
Nº de bastidor / Frame number	: Prototipo / Prototype
Fecha de recepción de la muestra / Date sample received	: 13.05.2022

DIMENSIONES / DIMENSIONS

**Vehículos de categoría / Vehicle categories: L1e, L2e, L6e**

Emplazamiento (anchura x altura) / Space for mounting (width x height)	100 x 175 mm	.....NO APLICABLE / NOT APPLICABLE
Emplazamiento (anchura x altura) / Space for mounting (width x height)	145 x 125 mm	.....CORRECTO / CORRECT

**Vehículos de categoría / Vehicle categories: L3e, L4e, L5e, L7e**

Emplazamiento (anchura x altura) / Space for mounting (width x height)	280 x 200 mm	.....NO APLICABLE / NOT APPLICABLE
---	--------------	------------------------------------

COLOCACIÓN Y FIJACIÓN PARA VEHÍCULOS DE CATEGORÍA /  
MOUNTING AND FIXING POSTION FOR VEHICLE CATEGORIES: L1e, L2e, L3e, L4e, L5e

**Posición general / General location**

Emplazamiento en la parte posterior del vehículo / Location on the rear of the vehicle	.....CORRECTO / CORRECT
La placa no sobresale de la anchura máxima / Plate within the longitudinal planes of the outer extremities	.....CORRECTO / CORRECT

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## Inclinación / Inclination

Placa perpendicular al plano longitudinal medio del vehículo /  
*At right angles to the median longitudinal plane of the vehicle* .....CORRECTO / CORRECT

Superficie con orientado hacia arriba / *Upwards surface*:

Ángulo respecto a la vertical /  
*Angle from the vertical* :  $29^\circ \leq 30^\circ$  .....CORRECTO / CORRECT

Superficie con orientado hacia abajo / *Downwards surface* :

Ángulo respecto a la vertical /  
*Angle from the vertical* :  $--- \leq 15^\circ$  .....NO APLICABLE / NOT APPLICABLE

## Altura / Height

Radio de la rueda superior a 0,20 m / *Radius of the wheel more than 0,20 m*

Altura máxima / *Maximum height* =  $360 \leq 1500$  mm .....CORRECTO / CORRECT

Altura mínima / *Minimum height* =  $251 \geq 200$  mm .....CORRECTO / CORRECT

## Visibilidad geométrica / Geometrical visibility

Visibilidad lateral / *Prop visibility*  $\geq 30^\circ$  .....CORRECTO / CORRECT

Visibilidad superior / *Upward visibility*  $\geq 15^\circ$  .....CORRECTO / CORRECT

Visibilidad inferior / *Downward visibility*  $\geq 0^\circ$  .....CORRECTO / CORRECT

Lugar del ensayo / *Test place* : NMQSII, Nanchang (China)

Fecha del ensayo / *Test date* : 23.05.2022

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 THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

\* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCION PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA.  
 THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

**APÉNDICE / APPENDIX M1/44/2014/XV/01****REQUISITOS APLICABLES A LA INFORMACIÓN SOBRE REPARACIÓN Y MANTENIMIENTO /  
REQUIREMENTS APPLYING TO ACCESS TO REPAIR AND MAINTENANCE INFORMATION****Reglamento Delegado (UE) / Delegated Regulation (EU) No. 44/2014/XV\*2018/295**IDENTIFICACIÓN DEL VEHÍCULO / IDENTIFICATION OF THE VEHICLE

Marca / Make : MANGOSTEEN  
Tipo / Type : M1  
Variante(s)/versión(es) / Variant(s)/version(s) : 00/01, 01/01, 02/01  
Categoría, subcategoría y sub-subcategoría /  
Category, subcategory and sub-subcategory : L1e-B

El fabricante aporta un certificado declarando la disponibilidad de la información necesaria para la inspección, diagnóstico, mantenimiento y reparación del vehículo. Este certificado sirve como única prueba de cumplimiento con los requisitos del Capítulo XV del Reglamento (UE) N° 168/2013 / *The manufacturer provides a certificate stating the availability of the information required for the inspection, diagnosis, servicing or repair of the vehicle. This certificate serves as the proof of compliance with Chapter XV of Regulation (EU) No 168/2013* .....

CORRECTO / CORRECT

Lugar / Place : Qingyuan, Guangdong (China)  
Fecha / Date : 20.05.2022

Anpeng(apple) Li  
INGENIERO DE HOMOLOGACIONES  
HOMOLOGATION ENGINEER

\* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.  
*THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE*

\* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCIÓN PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA.  
*THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN*

DOCUMENTACIÓN TÉCNICA /  
*TECHNICAL DOCUMENTATION*





# MANGOSTEEN TECHNOLOGY CO., LIMITED

## Information on the type-approval procedure chosen in accordance with Article 25(1) of Regulation (EU) No 168/2013\*2020/1694

### Information folder sheet

The undersigned : Jian Tianxiu / General Manager

Company name and address of the manufacturer : MANGOSTEEN TECHNOLOGY CO., LIMITED  
**FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING 18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA**

Name and address of the manufacturer's representative (if any) : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy

Hereby applies for type-approval procedure : ~~(a) Step-by-step type-approval~~  
(b) Single-step type-approval  
~~(c) Mixed type-approval~~

Where procedures (a) or (c) are chosen, compliance with requirements as under (b) is declared for all systems, components and separate technical units.

Multi-stage type-approval chosen in accordance with Article 25(5) of Regulation (EU) No 168/2013 : No

### Information on the vehicle(s) to be filled in, if application is for EU whole-vehicle type-approval

0.1. Make : MANGOSTEEN, PCFGSL, SUNNYTIMES, ROODER, OUYE, IGOO CANSUN CITYCOCO, STROLLWHEEL, PUVITER, GAEA, Werner Krauter, Dogebos, Gtt group

0.2. Type : M1

0.2.1. Variant : 00, 01, **02**

0.2.2. Version : 00, **01**

0.2.3. Commercial name(s) (if available) : M1

0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B

### Information to be filled in, if application is for type-approval of a system/ component/ separate technical unit

0.7. Make(s) (trade name(s) of manufacturer) : Not applicable

0.8. Type : Not applicable

0.8.1. Commercial name(s) (if available) : Not applicable

1.6. Virtual and/or self-testing



## MANGOSTEEN TECHNOLOGY CO., LIMITED


1.6.1. Overview list with virtual and/or self-tested systems, components or separate technical units pursuant to point 6 of Annex III to Commission Delegated Regulation (EU) No 44/2014 below:

Delegated act	Annex	Subject	Virtual and/or self-tested
Commission Delegated Regulation (EU) No 134/2014	X	Testing procedures on maximum design vehicle speed	Self-testing: no
Commission Delegated Regulation (EU) No 3/2014	II	Audible warning devices	Self-testing: no
Commission Delegated Regulation (EU) No 3/2014	VIII	Driver-operated controls including identification of controls, tell-tales and indicators	Self-testing: no
Commission Delegated Regulation (EU) No 3/2014	IX	Installation of lighting and light-signalling devices	Virtual testing: no
Commission Delegated Regulation (EU) No 3/2014	X	Rearward visibility	Virtual testing: no
Commission Delegated Regulation (EU) No 3/2014	XV	Installation of tyres	Virtual testing: no
Commission Delegated Regulation (EU) No 44/2014	XIV	Registration plate space	Self & Virtual testing: no
Commission Delegated Regulation (EU) No 44/2014	XVI	Stands	Self-testing: no
Commission Implementing Regulation (EU) No 901/2014	V	Statutory plate and EU type-approval mark	Self-testing: no

1.6.2. Detailed report on validation of virtual and/or self-testing added : No

Hong Kong, China  
(place)

10.05.2022  
(date)

  
Mrs. Jian Tianxiu / General Manager



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022

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## INFORMATION FOLDER

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<b>Drawing document</b> .....	<b>14 pages</b>
<b>Manufacturer's statement on endurance testing</b> .....	<b>1 page</b>
<b>Manufacturer's statement on structure integrity</b> .....	<b>1 page</b>
<b>Manufacturer's certificate on access to vehicle OBD (stage 1) and vehicle repair and maintenance information</b>	<b>3 pages</b>
<b>Manufacturer's declaration on powertrain tampering prevention measures</b> .....	<b>2 pages</b>
<b>Statement on none "Defeat device"</b> .....	<b>1 page</b>
<b>Statement concerning authority of signature on COC paper</b> .....	<b>1 page</b>
<b>Model for the certificate of conformity</b> .....	<b>10 pages</b>



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022

## Variants and versions matrix:

Item No.	Variant(s)	Version(s)
See item 0.2.	00: 2.0 kW / 420 rpm, 45 km/h, 60V20Ah	00
	01: 2.0 kW / 280 rpm, 25 km/h, 60V20Ah	
	<b>00: 2.0 kW / 420 rpm, 45 km/h, 60V20Ah</b>	<b>01</b>
	<b>01: 2.0 kW / 280 rpm, 25 km/h, 60V20Ah</b>	
	<b>02: 2.0 kW / 420 rpm, 45 km/h, 60V50Ah</b>	

## Extension / revision history:

Extension / revision No.	Extension / revision reasons
00	---
01	Inclusion of a new make.
02	1: Inclusion of six new makes. 2: Delete of three makes "SAMEZONE, JIACHEBAO, ECORIDER". 3: Correction of the location of the manufacturer's statutory plate. 4: Update to Euro 5. 5: Correction of points 6.11.6., 6.11.6.1. 6: Inclusion of new surface pattern of electric motor as optional. 7: Inclusion of manufacturer declared pay mass. 8: Inclusion of a new shape with new rear suspension, mudguard, rear group lamp and license lamp. 9: Inclusion of left-hand traffic. 10: Inclusion of optional headlamp (same shape). 11: Inclusion of optional direction lamps (different shape). 12: Inclusion of optional tyre. 13: Correction of variant 01 into 20Ah battery.
03	<b>1: Update of the address of manufacturer.</b> <b>2: Change of the assembly plants.</b> <b>3: Change of the address of the principal website.</b> <b>4: Inclusion of new variants/versions (00/01, 01/01 and 02/01).</b> <b>5: Inclusion of a new optional speedometer for all variants/versions.</b> <b>6: Inclusion of new optional tyres and rims for all variants/versions.</b> <b>7: Inclusion of new optional rear-view mirrors for all variants/versions.</b> <b>8: Inclusion of new optional covers for electric motor.</b> <b>9: Change of the side retro-reflector.</b> <b>10: Rear retro-reflector with approval mark IA E4 023257 is removed.</b> <b>11: Drawings M1-11, M1-17, M1-23 and M1-23.1 are corrected.</b> <b>12: Drawings M1-02, M1-05, M1-21, M1-21.1 and M1-22 are updated.</b> <b>13: Points 0.5.2., 6.16.5.1. and 6.21.1.5. in the information document are corrected due to the mistakes.</b>



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022

## INFORMATION DOCUMENT FOR THE PURPOSE OF EC TYPE-APPROVAL OF VEHICLES

According to Regulation (EU) number 168/2013\***2020/1694**  
(Implementing Regulation (EU) number 901/2014\*2020/239

Item No.	(Sub) categories	Detailed information
0.		GENERAL INFORMATION
A.		General information concerning vehicles
0.1.	L1e-L7e	Make (trade name of manufacturer) : MANGOSTEEN, PCFGSL, SUNNYTIMES, ROODER, OUYE, IGOO CANSUN CITYCOCO, STROLLWHEEL, PUVITER, GAEA, Dogebos, Werner Krauter, Gtt group
0.2.	L1e-L7e	Type <sup>(17)</sup> : M1
0.2.1.	L1e-L7e	Variant(s) <sup>(17)</sup> : 00, 01, <b>02</b>
0.2.2.	L1e-L7e	Version(s) <sup>(17)</sup> : 00, <b>01</b>
0.2.3.	L1e-L7e	Commercial name(s) (if available) : M1
0.3.	L1e-L7e	Category, subcategory and sub-subcategory of vehicle <sup>(2)</sup> : L1e-B
0.4.	L1e-L7e	Company name and address of manufacturer : MANGOSTEEN TECHNOLOGY CO., LIMITED <b>FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING 18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA</b>
0.4.1.	L1e-L7e	Name(s) and address(es) of assembly plants : <b>1. Qingyuan Ouye Technology Co., Ltd. Workshop A, 3/f, building A, no.6 workshop, changchong S253 line, xinzhuang, longtang town, qingcheng district, qingyuan city, guangdong province, P. R. China Post Code: 511500</b> <b>2. Guangdong Mangosteen Technology Co., Ltd. The three-floor B factory building, Building A, Block A, Xinzhuang Changchong S253 Line, Longtang Town, Qingyuan City, Qingyuan City. Post Code: 511500</b>
0.4.2.	L1e-L7e	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.	L1e-L7e	Manufacturer's statutory plate(s)
0.5.1.	L1e-L7e	Location of the manufacturer's statutory plate <sup>(15)</sup> <sup>(18)</sup> : R, x1100, y110, z160 Refer to drawing No. M1-01
0.5.2.	L1e-L7e	Method of attachment : <b>Riveted on the right side of main frame.</b>



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022

Item No.	(Sub) categories	Detailed information											
0.5.3.	L1e-L7e	Photographs and/or drawings of the statutory plate (completed example with dimensions)	: Refer to drawing No. M1-01										
0.6.	L1e-L7e	Location of the vehicle identification number <sup>(15)</sup>	: R, x370, y20, z740 Refer to drawing No. M1-01										
0.6.1.	L1e-L7e	Photographs and/or drawings of the locations of the vehicle identification number (completed example with dimensions)	: Refer to drawing No. <b>M1-02</b>										
0.6.1.1.	L1e-L7e	The serial number of the type begins with	: <table border="1"> <tr> <td>00/00</td> <td>☆R3MM10000?1?????☆</td> </tr> <tr> <td>01/00</td> <td>☆R3MM10001?1?????☆</td> </tr> <tr> <td><b>00/01</b></td> <td><b>☆R3MM10100?1?????☆</b></td> </tr> <tr> <td><b>01/01</b></td> <td><b>☆R3MM10101?1?????☆</b></td> </tr> <tr> <td><b>02/01</b></td> <td><b>☆R3MM10102?1?????☆</b></td> </tr> </table>	00/00	☆R3MM10000?1?????☆	01/00	☆R3MM10001?1?????☆	<b>00/01</b>	<b>☆R3MM10100?1?????☆</b>	<b>01/01</b>	<b>☆R3MM10101?1?????☆</b>	<b>02/01</b>	<b>☆R3MM10102?1?????☆</b>
00/00	☆R3MM10000?1?????☆												
01/00	☆R3MM10001?1?????☆												
<b>00/01</b>	<b>☆R3MM10100?1?????☆</b>												
<b>01/01</b>	<b>☆R3MM10101?1?????☆</b>												
<b>02/01</b>	<b>☆R3MM10102?1?????☆</b>												
B.		General information concerning systems, components or separate technical units											
	L1e-L7e	From 0.7. to 0.11.2.	: Not applicable										
C.		General information regarding conformity of production and access to repair and maintenance information											
0.12.		Conformity of production											
0.12.1.	L1e-L7e	Description of overall quality-assurance management systems	: Conforms to ISO9001: 2015 quality management system and EEC requirements.										
0.13.		Access to repair and maintenance information											
0.13.1.	L1e-L7e	Address of principal website for access to vehicle repair and maintenance information	: <b>http://www.gdmangosteen.com/</b> Information available within six months from the date of type approval. See regulation (EU) No 168/2013, Article 57, paragraph 8										
0.13.2.	L1e-L7e	In the case of multi-stage type-approval, address of principal website for access to vehicle repair and maintenance information from manufacturer(s) at previous stage(s)	: Not applicable										
1.		GENERAL CONSTRUCTION CHARACTERISTICS											
1.1.	L1e-L7e	Photographs and/or drawings of a representative vehicle	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-03 or M1-03.1</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>Refer to drawing No. M1-03.2</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-03 or M1-03.1	01/00	<b>00/01</b>	<b>Refer to drawing No. M1-03.2</b>	<b>01/01</b>	<b>02/01</b>			
00/00	Refer to drawing No. M1-03 or M1-03.1												
01/00													
<b>00/01</b>	<b>Refer to drawing No. M1-03.2</b>												
<b>01/01</b>													
<b>02/01</b>													



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022

Item No.	(Sub) categories	Detailed information								
1.2.	L1e-L7e	Scale drawing of the whole vehicle	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-03 or M1-03.1</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>Refer to drawing No. M1-03.2</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-03 or M1-03.1	01/00	<b>00/01</b>	<b>Refer to drawing No. M1-03.2</b>	<b>01/01</b>	<b>02/01</b>
00/00	Refer to drawing No. M1-03 or M1-03.1									
01/00										
<b>00/01</b>	<b>Refer to drawing No. M1-03.2</b>									
<b>01/01</b>										
<b>02/01</b>										
1.3.	L1e-L7e	Number of axles and wheels	: 2 wheels / 2 axles							
1.3.1.	L1e-L7e	Axles with twinned wheels <sup>(23)</sup>	: Not applicable							
1.3.2.	L1e-L7e	Powered axles <sup>(23)</sup>	: R (rear powered axle)							
1.4.	L1e-L7e	Chassis (if any) (overall drawing)	: Refer to drawing No. M1-04 or <b>M1-04.1</b>							
1.5.	L2e, L5e-B, L6e-B, L7e-A2, L7e-B2, L7e-C	Material used for the bodywork	: Not applicable							
1.6.	L1e-L7e	Position and arrangement of the propulsion(s)	: In the centre of rear wheel							
1.7.	L4e, L5e-B, L6e-B, L7e-A2, L7e-B2, L7e-C	Hand of drive: <del>left/right/centre</del> <sup>(4)</sup>	: Not applicable							
1.7.1.	L1e-L7e	Vehicle is equipped to be driven in right/left-hand traffic and in countries that use metric/metric and imperial units. <sup>(4)</sup>	: Right-hand and left-hand traffic, Metric and imperial unit							
1.8.		Propulsion unit performance								
1.8.1.	L3e, L4e, L5e, L7e-A, L7e-B2	Declared maximum vehicle speed	: Not applicable							
1.8.2.	L1e, L2e, L6e, L7e-B1, L7e-C	Maximum design vehicle speed <sup>(22)</sup> and gear in which it is reached	<table border="1"> <tr> <td>00/00</td> <td rowspan="3">45 km/h</td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> <tr> <td>01/00</td> <td rowspan="2">25 km/h</td> </tr> <tr> <td><b>01/01</b></td> </tr> </table>	00/00	45 km/h	<b>00/01</b>	<b>02/01</b>	01/00	25 km/h	<b>01/01</b>
00/00	45 km/h									
<b>00/01</b>										
<b>02/01</b>										
01/00	25 km/h									
<b>01/01</b>										
1.8.3.	L1e-L7e	Maximum net power combustion engine	: Not applicable							
1.8.4.	L1e-L7e	Maximum net torque combustion engine	: Not applicable							
1.8.5.	L1e-L7e	Maximum continuous-rated power electric motor (15/30 <sup>(4)</sup> minutes power <sup>(27)</sup> )	<table border="1"> <tr> <td>00/00</td> <td rowspan="3">2.0 kW at 420 min<sup>-1</sup></td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> <tr> <td>01/00</td> <td rowspan="2">2.0 kW at 280 min<sup>-1</sup></td> </tr> <tr> <td><b>01/01</b></td> </tr> </table>	00/00	2.0 kW at 420 min <sup>-1</sup>	<b>00/01</b>	<b>02/01</b>	01/00	2.0 kW at 280 min <sup>-1</sup>	<b>01/01</b>
00/00	2.0 kW at 420 min <sup>-1</sup>									
<b>00/01</b>										
<b>02/01</b>										
01/00	2.0 kW at 280 min <sup>-1</sup>									
<b>01/01</b>										



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022

Item No.	(Sub) categories	Detailed information									
1.8.6.	L1e-L7e	Maximum continuous-rated torque electric motor :	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">45.0 N.m at 420 min<sup>-1</sup></td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>02/01</b></td> <td rowspan="3">68.0 N.m at 280 min<sup>-1</sup></td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>01/01</b></td> </tr> </table>	00/00	45.0 N.m at 420 min <sup>-1</sup>	<b>00/01</b>	<b>02/01</b>	68.0 N.m at 280 min <sup>-1</sup>	01/00	<b>01/01</b>	
00/00	45.0 N.m at 420 min <sup>-1</sup>										
<b>00/01</b>											
<b>02/01</b>	68.0 N.m at 280 min <sup>-1</sup>										
01/00											
<b>01/01</b>											
1.8.7.	L1e-L7e	Maximum continuous total power for propulsion(s) :	Not applicable								
1.8.8.	L1e-L7e	Maximum continuous total torque for propulsion(s) :	Not applicable								
1.8.9.	L1e-L7e	Maximum peak power for propulsion(s) :	<table border="1"> <tr> <td>00/00</td> <td rowspan="3">2.5 kW at 345 min<sup>-1</sup></td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> <tr> <td>01/00</td> <td rowspan="2">2.1 kW at 290 min<sup>-1</sup></td> </tr> <tr> <td><b>01/01</b></td> </tr> </table>	00/00	2.5 kW at 345 min <sup>-1</sup>	<b>00/01</b>	<b>02/01</b>	01/00	2.1 kW at 290 min <sup>-1</sup>	<b>01/01</b>	
00/00	2.5 kW at 345 min <sup>-1</sup>										
<b>00/01</b>											
<b>02/01</b>											
01/00	2.1 kW at 290 min <sup>-1</sup>										
<b>01/01</b>											
2.		MASSES AND DIMENSIONS (in kg and mm.) refer to drawings where applicable									
2.1.		Range of vehicle mass (overall)									
2.1.1.	L1e-L7e	Mass in running order :	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">66 kg (without battery)</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>74 kg (without battery)</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	66 kg (without battery)	01/00	<b>00/01</b>	<b>74 kg (without battery)</b>	<b>01/01</b>	<b>02/01</b>	
00/00	66 kg (without battery)										
01/00											
<b>00/01</b>	<b>74 kg (without battery)</b>										
<b>01/01</b>											
<b>02/01</b>											
2.1.1.1.	L1e-L7e	Distribution of mass in running order between the axles :	<table border="1"> <tr> <td>00/00</td> <td>Front: 26 kg</td> </tr> <tr> <td>01/00</td> <td>Rear: 40 kg</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>Front: 31 kg</b> <b>Rear: 43 kg</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Front: 26 kg	01/00	Rear: 40 kg	<b>00/01</b>	<b>Front: 31 kg</b> <b>Rear: 43 kg</b>	<b>01/01</b>	<b>02/01</b>
00/00	Front: 26 kg										
01/00	Rear: 40 kg										
<b>00/01</b>	<b>Front: 31 kg</b> <b>Rear: 43 kg</b>										
<b>01/01</b>											
<b>02/01</b>											
2.1.2.	L1e-L7e	Actual mass :	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">149 kg</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>157 kg</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	149 kg	01/00	<b>00/01</b>	<b>157 kg</b>	<b>01/01</b>	<b>02/01</b>	
00/00	149 kg										
01/00											
<b>00/01</b>	<b>157 kg</b>										
<b>01/01</b>											
<b>02/01</b>											
2.1.2.1.	L1e-L7e	Distribution of actual mass between the axles :	<table border="1"> <tr> <td>00/00</td> <td>Front: 61 kg</td> </tr> <tr> <td>01/00</td> <td>Rear: 88 kg</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>Front: 58 kg</b> <b>Rear: 99 kg</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Front: 61 kg	01/00	Rear: 88 kg	<b>00/01</b>	<b>Front: 58 kg</b> <b>Rear: 99 kg</b>	<b>01/01</b>	<b>02/01</b>
00/00	Front: 61 kg										
01/00	Rear: 88 kg										
<b>00/01</b>	<b>Front: 58 kg</b> <b>Rear: 99 kg</b>										
<b>01/01</b>											
<b>02/01</b>											
2.1.3.	L1e-L7e	Technically permissible maximum laden mass :	200 kg								
2.1.3.1.	L1e-L7e	Technically permissible maximum mass on front axle :	90 kg								





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2.1.3.2.	L1e-L7e	Technically permissible maximum mass on rear axle	: 110 kg								
2.1.3.3.	L4e	Technically permissible maximum mass on sidecar axle	: Not applicable								
2.1.4.	L1e-L7e	Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer	: 25°								
2.1.5.	L1e-L7e	Maximum pay mass declared by manufacturer	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">51 kg</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="2"><b>43 kg</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> <td><b>32 kg</b></td> </tr> </table>	00/00	51 kg	01/00	<b>00/01</b>	<b>43 kg</b>	<b>01/01</b>	<b>02/01</b>	<b>32 kg</b>
00/00	51 kg										
01/00											
<b>00/01</b>	<b>43 kg</b>										
<b>01/01</b>											
<b>02/01</b>	<b>32 kg</b>										
2.1.6.	L1e-L7e	Safe load carrying capacity of load platform declared by manufacturer	: Not applicable								
2.1.7.	L1e-L7e	Technically permissible maximum towable mass in case of <sup>(4)</sup>	: Not applicable								
	L1e-L7e	From 2.1.7.1. to 2.1.7.2.	: Not applicable								
2.1.8.	L1e-L7e	Mass of the optional equipment	: Not applicable								
2.1.9.	L1e-L7e	Mass of the superstructure	: Not applicable								
2.1.10.	L1e-L7e	Mass of the propulsion battery	: <table border="1"> <tr> <td>00/00</td> <td rowspan="4">8 kg</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> <td><b>19 kg</b></td> </tr> </table>	00/00	8 kg	01/00	<b>00/01</b>	<b>01/01</b>	<b>02/01</b>	<b>19 kg</b>	
00/00	8 kg										
01/00											
<b>00/01</b>											
<b>01/01</b>											
<b>02/01</b>	<b>19 kg</b>										
2.1.11.	L2e, L4e, L5e, L6e, L7e	Mass of the doors	: Not applicable								
2.1.12.	L2e-U, L5e-B, L6e-BU, L7e-CU	Mass of the machines or equipment installed on the load platform area	: Not applicable								
2.1.13.	L1e-L7e	Mass of the gaseous fuel system as well as storage tanks for gaseous fuel	: Not applicable								
2.1.14.	L1e-L7e	Mass of the storage tanks to store compressed air	: Not applicable								
2.2.		Range of vehicle dimensions (overall)									
2.2.1.	L1e-L7e	Length	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">2030 mm or 2120 mm</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>2080 mm</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	2030 mm or 2120 mm	01/00	<b>00/01</b>	<b>2080 mm</b>	<b>01/01</b>	<b>02/01</b>	
00/00	2030 mm or 2120 mm										
01/00											
<b>00/01</b>	<b>2080 mm</b>										
<b>01/01</b>											
<b>02/01</b>											

Note: Modified points are in bold characters.



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Item No.	(Sub) categories	Detailed information								
2.2.2.	L1e-L7e	Width	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">850 mm</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>920 mm</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	850 mm	01/00	<b>00/01</b>	<b>920 mm</b>	<b>01/01</b>	<b>02/01</b>
00/00	850 mm									
01/00										
<b>00/01</b>	<b>920 mm</b>									
<b>01/01</b>										
<b>02/01</b>										
2.2.3.	L1e-L7e	Height	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">1100 mm</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>1190 mm</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	1100 mm	01/00	<b>00/01</b>	<b>1190 mm</b>	<b>01/01</b>	<b>02/01</b>
00/00	1100 mm									
01/00										
<b>00/01</b>	<b>1190 mm</b>									
<b>01/01</b>										
<b>02/01</b>										
2.2.4.	L1e-L7e	Wheelbase	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">1520 mm</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>1535 mm</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	1520 mm	01/00	<b>00/01</b>	<b>1535 mm</b>	<b>01/01</b>	<b>02/01</b>
00/00	1520 mm									
01/00										
<b>00/01</b>	<b>1535 mm</b>									
<b>01/01</b>										
<b>02/01</b>										
2.2.4.1.	L4e	Wheelbase sidecar <sup>(28)</sup>	: Not applicable							
2.2.5.		Track width								
		From 2.2.5.1. to 2.2.5.3.	: Not applicable							
2.2.6.	L7e-B	Front overhang	: Not applicable							
2.2.7.	L7e-B	Rear overhang	: Not applicable							
2.2.8.		Load platform dimensions								
	L2e-U, L5e-B, L6e-BU, L7e- B2, L7e-CU	From 2.2.8.1. to 2.2.8.3.	: Not applicable							
2.2.9.		Centre of gravity								
	L2e-U, L5e-B, L6e-BU, L7e- B2, L7e-CU	From 2.2.9.1. to 2.2.9.3.	: Not applicable							
2.2.10.		Miscellaneous dimensions								
		From 2.2.10.1. to 2.2.10.10.	: Not applicable							
3.		GENERAL POWERTRAIN CHARACTERISTICS								
3.1.		Manufacturer of the propulsion unit								
3.1.1.		<i>Combustion engine</i>								
	L1e-L7e	From 3.1.1.1. to 3.1.1.3.	: Not applicable							
3.1.2.		<i>Electric motor</i>								

Note: Modified points are in bold characters.



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Item No.	(Sub) categories	Detailed information											
3.1.2.1.	L1e-L7e	Manufacturer	: Ningbo Qianjiang Motor Co., Ltd. Make: Qianjiang										
3.1.2.2.	L1e-L7e	Electric motor code (as marked on the engine or other means of identification)	: MGSD60VA Refer to drawing No. <b>M1-05</b>										
3.1.3.		<i>Hybrid application</i>											
	L1e-L7e	From 3.1.3.1. to 3.1.3.4.	: Not applicable										
3.2.		Combustion engine											
	L1e-L7e	From 3.2.1. to 3.2.13.4.	: Not applicable										
3.3.		Pure electric and hybrid electric propulsion and control											
3.3.1.	L1e-L7e	Electric vehicle configuration	: pure electric/ <del>hybrid electric/manpower electric</del> <sup>(4)</sup>										
3.3.2.	L1e-L7e	Brief description and schematic drawing of pure and hybrid electric propulsions and its control system(s)	: Refer to drawing No. M1-06										
3.3.3.		<i>Electric propulsion motor</i>											
3.3.3.1.	L1e-L7e	Number of electric motors for propulsion	: 1										
3.3.3.2.	L1e-L7e	Type (winding, excitation)	: Winding										
3.3.3.3.	L1e-L7e	Operating voltage	: 60 V										
3.3.3.4.	L1e-L7e	<del>15</del> /30 <sup>(4)</sup> minutes power <sup>(27)</sup>	: <table border="1"> <tr> <td>00/00</td> <td></td> </tr> <tr> <td><b>00/01</b></td> <td>2.0 kW at 420 min<sup>-1</sup></td> </tr> <tr> <td><b>02/01</b></td> <td></td> </tr> <tr> <td>01/00</td> <td></td> </tr> <tr> <td><b>01/01</b></td> <td>2.0 kW at 280 min<sup>-1</sup></td> </tr> </table>	00/00		<b>00/01</b>	2.0 kW at 420 min <sup>-1</sup>	<b>02/01</b>		01/00		<b>01/01</b>	2.0 kW at 280 min <sup>-1</sup>
00/00													
<b>00/01</b>	2.0 kW at 420 min <sup>-1</sup>												
<b>02/01</b>													
01/00													
<b>01/01</b>	2.0 kW at 280 min <sup>-1</sup>												
3.3.4.		<i>Propulsion batteries</i>											
3.3.4.1.	L1e-L7e	Primary propulsion battery											
3.3.4.1.1.	L1e-L7e	Number of cells	: <table border="1"> <tr> <td>00/00</td> <td></td> </tr> <tr> <td>01/00</td> <td></td> </tr> <tr> <td><b>00/01</b></td> <td>126</td> </tr> <tr> <td><b>01/01</b></td> <td></td> </tr> <tr> <td><b>02/01</b></td> <td><b>160</b></td> </tr> </table>	00/00		01/00		<b>00/01</b>	126	<b>01/01</b>		<b>02/01</b>	<b>160</b>
00/00													
01/00													
<b>00/01</b>	126												
<b>01/01</b>													
<b>02/01</b>	<b>160</b>												
3.3.4.1.2.	L1e-L7e	Mass	: <table border="1"> <tr> <td>00/00</td> <td></td> </tr> <tr> <td>01/00</td> <td></td> </tr> <tr> <td><b>00/01</b></td> <td>8 kg</td> </tr> <tr> <td><b>01/01</b></td> <td></td> </tr> <tr> <td><b>02/01</b></td> <td><b>19 kg</b></td> </tr> </table>	00/00		01/00		<b>00/01</b>	8 kg	<b>01/01</b>		<b>02/01</b>	<b>19 kg</b>
00/00													
01/00													
<b>00/01</b>	8 kg												
<b>01/01</b>													
<b>02/01</b>	<b>19 kg</b>												



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Item No.	(Sub) categories	Detailed information										
3.3.4.1.3.	L1e-L7e	Capacity	: <table border="1"> <tr> <td>00/00</td> <td rowspan="4">20 Ah</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td></td> <td></td> <td><b>02/01</b></td> <td><b>50 Ah</b></td> </tr> </table>	00/00	20 Ah	01/00	<b>00/01</b>	<b>01/01</b>			<b>02/01</b>	<b>50 Ah</b>
00/00	20 Ah											
01/00												
<b>00/01</b>												
<b>01/01</b>												
		<b>02/01</b>	<b>50 Ah</b>									
3.3.4.1.4.	L1e-L7e	Voltage	: 60 V									
3.3.4.1.5.	L1e-L7e	Position in the vehicle	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-07</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>Refer to drawing No. M1-07.1</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-07	01/00	<b>00/01</b>	<b>Refer to drawing No. M1-07.1</b>	<b>01/01</b>	<b>02/01</b>		
00/00	Refer to drawing No. M1-07											
01/00												
<b>00/01</b>	<b>Refer to drawing No. M1-07.1</b>											
<b>01/01</b>												
<b>02/01</b>												
3.3.4.2.	L1e-L7e	Secondary propulsion battery										
3.3.4.2.1.	L1e-L7e	Number of cells	: Not applicable									
3.3.4.2.2.	L1e-L7e	Mass	: Not applicable									
3.3.4.2.3.	L1e-L7e	Capacity	: Not applicable									
3.3.4.2.4.	L1e-L7e	Voltage	: Not applicable									
3.3.4.2.5.	L1e-L7e	Position in the vehicle	: Not applicable									
3.3.5.		<i>Hybrid electric vehicle</i>										
	L1e-L7e	From 3.3.5.1. to 3.3.5.7.	: Not applicable									
3.3.6.		Energy storage device										
3.3.6.1.	L1e-L7e	Description: (battery, capacitor, flywheel/generator) <sup>(4)</sup>	: Battery									
3.3.6.2.	L1e-L7e	Identification number	: <table border="1"> <tr> <td>00/00</td> <td rowspan="4">HY60V20AH</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td></td> <td></td> <td><b>02/01</b></td> <td><b>21700-16S10P</b></td> </tr> </table>	00/00	HY60V20AH	01/00	<b>00/01</b>	<b>01/01</b>			<b>02/01</b>	<b>21700-16S10P</b>
00/00	HY60V20AH											
01/00												
<b>00/01</b>												
<b>01/01</b>												
		<b>02/01</b>	<b>21700-16S10P</b>									
*3.3.6.3.	L1e-L7e	Kind of electrochemical couple	: Lithium battery									
3.3.6.4.	L1e-L7e	Energy (for battery: voltage and capacity Ah in 2h, for capacitor: J,..., for flywheel/generator: J,...)	: <table border="1"> <tr> <td>00/00</td> <td rowspan="4">60V, 20 Ah</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td></td> <td></td> <td><b>02/01</b></td> <td><b>60V, 50 Ah</b></td> </tr> </table>	00/00	60V, 20 Ah	01/00	<b>00/01</b>	<b>01/01</b>			<b>02/01</b>	<b>60V, 50 Ah</b>
00/00	60V, 20 Ah											
01/00												
<b>00/01</b>												
<b>01/01</b>												
		<b>02/01</b>	<b>60V, 50 Ah</b>									
3.3.6.5.	L1e-L7e	Charger	: <del>on-board/external/without</del> <sup>(4)</sup> Manufacturer: Guangzhou Xietong Electronic Technology Co., Ltd. Type: C300 Refer to drawing No. M1-08, M1-31									



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Item No.	(Sub) categories	Detailed information										
3.3.7.		<i>Electric motor (describe each type of electric motor separately)</i>										
3.3.7.1.	L1e-L7e	Primary use : propulsion motor/generator <sup>(4)</sup>										
3.3.7.2.	L1e-L7e	When used as propulsion motor : single-/multi-motors (number) <sup>(4)</sup>										
3.3.7.3.	L1e-L7e	Working principle : Permanent magnet brushless DC motor										
3.3.7.4.	L1e-L7e	Direct current/alternating current/number of phases : Direct current /three phases										
3.3.7.5.	L1e-L7e	<del>Separate excitation</del> /series/compound <sup>(4)</sup> : Series										
3.3.7.6.	L1e-L7e	Synchronous/asynchronous <sup>(4)</sup> : Synchronous										
3.3.8.		<i>Electric motor control unit</i>										
3.3.8.1.	L1e-L7e	Identification number : <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>00/00</td> <td>Manufacturer: Wuxi Xinge Electrical &amp; Technology Co., Ltd.</td> </tr> <tr> <td><b>00/01</b></td> <td>Type: MIS</td> </tr> <tr> <td><b>02/01</b></td> <td>Refer to drawing No. M1-09</td> </tr> <tr> <td>01/00</td> <td>Manufacturer: Guangzhou OuYe Technology Co., LTD.</td> </tr> <tr> <td><b>01/01</b></td> <td>Type: MIS-25 Refer to drawing No. M1-09.1</td> </tr> </table>	00/00	Manufacturer: Wuxi Xinge Electrical & Technology Co., Ltd.	<b>00/01</b>	Type: MIS	<b>02/01</b>	Refer to drawing No. M1-09	01/00	Manufacturer: Guangzhou OuYe Technology Co., LTD.	<b>01/01</b>	Type: MIS-25 Refer to drawing No. M1-09.1
00/00	Manufacturer: Wuxi Xinge Electrical & Technology Co., Ltd.											
<b>00/01</b>	Type: MIS											
<b>02/01</b>	Refer to drawing No. M1-09											
01/00	Manufacturer: Guangzhou OuYe Technology Co., LTD.											
<b>01/01</b>	Type: MIS-25 Refer to drawing No. M1-09.1											
3.3.9.		<i>Power controller</i>										
3.3.9.1.	L1e-L7e	Identification number : Not applicable										
3.4.		Other engines, electric motors or combinations (specific information concerning the parts of these motors)										
3.4.1.		Cooling system (temperatures permitted by the manufacturer)										
	L1e-L7e	From 3.4.1.1. to 3.4.1.2.2. : Not applicable										
3.4.2.		Lubrication system										
	L1e-L7e	From 3.4.2.1. to 3.4.2.5.1. : Not applicable										
3.5.		Drive-train and control <sup>(13)</sup>										
3.5.1.	L1e-L7e	Brief description and schematic drawing of the vehicle drive-train and its control system (gear shift control, clutch control or any other element of drive-train) : Not applicable										
3.5.2.		<i>Clutch</i>										
3.5.2.1.	L1e-L7e	Brief description and schematic drawing of the clutch and its control system : Not applicable										
3.5.3.		<i>Transmission</i>										



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Item No.	(Sub) categories	Detailed information
3.5.3.1.	L1e-L7e	Brief description and schematic drawing of gear shift system(s) and its control : Not applicable
3.5.3.2.	L1e-L7e	Drawing of the transmission : Not applicable
3.5.3.3.	L1e-L7e	Type (mechanical, hydraulic, electric, manual/manual automated/automatic/CVT/ other (indicate).) <sup>(4)</sup> : Other (Wheel-hub motor)
3.5.3.4.	L1e-L7e	A brief description of the electrical/electronic components (if any) : Not applicable
3.5.3.5.	L1e-L7e	Location relative to the engine : Not applicable
3.5.3.6.	L1e-L7e	Method of control : Not applicable
3.5.4.	L1e-L7e	<i>Gear ratios</i>

Overview gear ratios				
Gear <sup>(24)</sup>	Internal transmission ratios (ratios of engine to transmission output shaft revolutions)	Final drive ratio(s) (ratio of transmission output shaft to driven wheel revolutions)	Total gear ratios	Ratio (engine speed/vehicle speed) for manual transmission only
1	1	1	1	/
Reverse	/	/	/	/

	L3e-AxE, L3e-AxT	From 3.5.4.1. to 3.5.4.2. : Not applicable
3.6.		Safe-cornering device
3.6.1.	L1e - L7e equipped with twinned wheels, L2e, L5e, L6e, L7e	Safe-cornering device (Annex VIII to Regulation (EU) No 168/2013) : <b>yes/ no</b> <sup>(4)</sup> ; <del>differential/other</del> <sup>(4)</sup>
3.6.2.	L1e - L7e equipped with twinned wheels, L2e, L5e, L6e, L7e	Differential lock : <b>yes/no/optional</b> <sup>(4)</sup>
3.6.3.	L1e-L7e	Brief description and schematic drawing of the safe-cornering device, the differential lock and their control systems : Not applicable
3.7.		Suspension and control
3.7.1.	L1e-L7e	Brief description and schematic drawing of suspension and its control system : Refer to drawing No. M1-10, M1-10.1 or M1-10.2
3.7.2.	L1e-L7e	Drawing of the suspension arrangements : Refer to drawing No. M1-10, M1-10.1 or M1-10.2

Note: Modified points are in bold characters.



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Item No.	(Sub) categories	Detailed information									
3.7.3.	L1e-L7e	Level adjustment	: <del>yes/no/optional</del> <sup>(4)</sup>								
3.7.4.	L1e-L7e	Brief description of the electrical/electronic components	: Not applicable								
3.7.5.	L1e-L7e	Stabilisers	: <del>yes/no/optional</del> <sup>(4)</sup>								
3.7.6.	L1e-L7e	Shock absorbers	: <del>yes/no/optional</del> <sup>(4)</sup>								
3.8.		Passenger-compartment heating system and air-conditioning									
	L2e, L5e-B, L6e-B, L7e	From 3.8.1. to 3.8.2.3.4.	: Not applicable								
3.9.		Cycles designed to pedal									
3.9.1.	L1e	Ratio manpower/electric power	: Not applicable								
3.9.2.	L1e	Maximum assistance factor	: Not applicable								
3.9.3.	L1e	Maximum vehicle speed for which the electric motor gives assistance	: Not applicable								
3.9.4.	L1e	Switch-off distance	: Not applicable								
4.		GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION PERFORMANCE									
4.0.		General information on environmental and propulsion performance									
4.0.1.	L1e-L7e	Environmental step	: Euro 5 (3/4/5/5+) <sup>(4)</sup>								
4.0.2.	L1e-L7e	Fuel consumption (provide details for each reference fuel tested)	: Not applicable								
4.0.3.	L1e-L7e	CO <sub>2</sub> emissions <sup>(25)</sup>	: Not applicable								
4.0.4.	L1e-L7e	Energy consumption <sup>(25)</sup>	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">26 Wh/km</td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td>01/00</td> <td rowspan="2">23 Wh/km</td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> <td><b>28 Wh/km</b></td> </tr> </table>	00/00	26 Wh/km	<b>00/01</b>	01/00	23 Wh/km	<b>01/01</b>	<b>02/01</b>	<b>28 Wh/km</b>
00/00	26 Wh/km										
<b>00/01</b>											
01/00	23 Wh/km										
<b>01/01</b>											
<b>02/01</b>	<b>28 Wh/km</b>										
4.0.5.	L1e-L7e	Electric range <sup>(25)</sup>	: <table border="1"> <tr> <td>00/00</td> <td rowspan="2">61 km</td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td>01/00</td> <td rowspan="2">64 km</td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> <td><b>111 km</b></td> </tr> </table>	00/00	61 km	<b>00/01</b>	01/00	64 km	<b>01/01</b>	<b>02/01</b>	<b>111 km</b>
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01/00	64 km										
<b>01/01</b>											
<b>02/01</b>	<b>111 km</b>										
4.1.		Tailpipe emission-control system									
	L1e-L7e	From 4.1.1. to 4.1.8.1.	: Not applicable								
4.2.		Crankcase emission control system									



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Item No.	(Sub) categories	Detailed information
4.2.1.	L1e-L7e	Configuration of crank-case gas recycling system (breather system, positive crank-case ventilation system, other) <sup>(4)</sup> (description and drawings). : Not applicable
4.3.		Evaporative emission control system
		From 4.3.1. to 4.3.8. : Not applicable
4.4.		Additional information on environmental and propulsion unit performance
	L1e-L7e	From 4.4.1. to 4.4.4. : Not applicable
5.		VEHICLE PROPULSION FAMILY
5.1.	L1e-L7e	To define the vehicle propulsion family, the manufacturer shall submit the information required for classification criteria set out in point 3 of Annex XI to Commission Delegated Regulation (EU) No 134/2014, if not already provided in the information document. : Not applicable
6.		INFORMATION ON FUNCTIONAL SAFETY
6.1.		Audible warning devices
6.1.1.	L1e-L7e	Summary description of device(s) used and their purpose : Audible warning, electromagnetic actuated diaphragm
6.1.2.	L1e-L7e	Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle : Refer to drawing No. <b>M1-11</b>
6.1.3.	L1e-L7e	Details of the method of attachment, including the part of the vehicle structure to which the audible warning device(s) is (are) attached : Refer to drawing No. <b>M1-11</b>
6.1.4.	L1e-L7e	Electrical/pneumatic circuit diagram : Refer to drawing No. <b>M1-11</b>
6.1.4.1.	L1e-L7e	Voltage : DC
6.1.4.2.	L1e-L7e	Rated voltage or pressure : 12V
6.1.5.	L1e-L7e	Drawing of the mounting device : Refer to drawing No. <b>M1-11</b>
6.2.		Braking, including anti-lock and combined braking systems





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6.2.1.	L1e-L7e	Characteristics of the brakes, including details and drawings of the drums, discs, hoses, make and type of shoe/pad assemblies and/or linings, effective braking areas, radius of drums, shoes or discs, mass of drums, adjustment devices, relevant parts of the axle(s) and suspension, levers, pedals <sup>(4)</sup> : Refer to drawing No. M1-12, M1-13, M1-14, M1-15, M1-16
6.2.2.	L1e-L7e	Operating diagram, description and/or drawing of the braking system, including details and drawings of the transmission and controls as well as a brief description of the electrical and/or electronic components used in the braking system <sup>(4)</sup> : Refer to drawing No. M1-13, M1-14
6.2.2.1.	L1e-L7e	Front, rear and sidecar brakes, disc and/or drum <sup>(4)</sup> : Front: disc Rear: disc
6.2.2.2.	L1e-L7e	Parking braking system : Not applicable
6.2.2.3.	L1e-L7e	Any additional braking system : Not applicable
6.2.3.	L1e-L7e	Vehicle is equipped to tow a trailer with no brake/overrun brake/electric/pneumatic/hydraulic service brakes : <b>yes/no</b> <sup>(4)</sup>
6.2.4.	L1e-L7e	Anti-lock/Combined braking system
6.2.4.1.	L1e-L7e	Anti-lock braking system : <b>yes/no/optional</b> <sup>(4)</sup>
6.2.4.2.	L1e-L7e	Combined braking system : <b>yes/no/optional</b> <sup>(4)</sup>
6.2.4.3.	L1e-L7e	Anti-lock and combined braking system : <b>yes/no/optional</b> <sup>(4)</sup>
6.2.4.4.	L1e-L7e	Schematic drawing(s) : Not applicable
6.2.5.	L1e-L7e	Hydraulic reservoir(s) (volume and location) : Refer to drawing No. M1-13, M1-14, M1-15
6.2.6.	L1e-L7e	Particular characteristics of the braking system(s)
6.2.6.1.	L1e-L7e	Brake shoes and/or pads <sup>(4)</sup> : Refer to drawing No. M1-13, M1-14
6.2.6.2.	L1e-L7e	Linings and/or pads (indicate make, type, grade of material or identification mark) : Refer to drawing No. M1-13, M1-14
6.2.6.3.	L1e-L7e	Brake levers and/or pedals <sup>(4)</sup> : Refer to drawing No. M1-13, M1-14
6.2.6.4.	L1e-L7e	Other devices (where applicable): drawing and description : Not applicable
6.3.		Electrical safety



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6.3.1.	L1e-L7e	Brief description of the power circuit components installation and drawings/photographs showing the location of the power circuit components installation : Refer to drawing No. <b>M1-17</b>
6.3.2.	L1e-L7e	Schematic diagram of all electrical functions included in power circuit : Refer to drawing No. <b>M1-17</b>
6.3.3.	L1e-L7e	Working voltage(s) (V) : Power working voltage: 60V DC Other electrical components voltage: 12V DC
6.3.4.	L1e-L7e	Description of protection against electric-shocks : Using terminal box that made by high and low pressure polyethylene material, and nylon plug to protect against electric-shocks. Refer to drawing No. M1-30
6.3.5.	L1e-L7e	Fuse and/or circuit breaker : <del>yes/no</del> / <b>optional</b> <sup>(4)</sup> Fuse Refer to drawing No. M1-19
6.3.5.1.	L1e-L7e	Diagram showing the functional range : Refer to drawing No. M1-18
6.3.6.	L1e-L7e	Configuration of power wiring harness : Refer to drawing No. M1-18
6.4.		Front and rear protective structures
6.4.1.		Front protective structure
	L1e-L7e	From 6.4.1.1. to 6.4.1.2. : Not applicable
6.4.2.		Rear protective structure
	L1e-L7e	From 6.4.2.1. to 6.4.2.2. : Not applicable
6.5.		Glazing, windscreen wipers and washers, and defrosting and demisting systems
	L2e, L5e, L6e, L7e	From 6.5.1. to 6.5.4.1. : Not applicable
6.6.		Windscreen wiper(s)
6.6.1.	L2e, L5e, L6e, L7e	Detailed technical description (including photographs or drawings) : Not applicable
6.7.		Windscreen washer
	L2e, L5e, L6e, L7e	From 6.7.1. to 6.7.2. : Not applicable
6.8.		Defrosting and demisting
6.8.1.	L2e, L5e, L6e, L7e	Detailed technical description (including photographs or drawings) : Not applicable
6.9.		Driver-operated controls including identification of controls, tell-tales and indicators



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Item No.	(Sub) categories	Detailed information																																																																																																																																																									
6.9.1.	L1e-L7e	Arrangement and identification of controls, tell-tales and indicators	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-20</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>Refer to drawing No. M1-20.1</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-20	01/00	<b>00/01</b>	<b>Refer to drawing No. M1-20.1</b>	<b>01/01</b>	<b>02/01</b>																																																																																																																																																	
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6.9.2.	L1e-L7e	Photographs and/or drawings of the arrangement of symbols and controls, tell-tales and indicators	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-20</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3"><b>Refer to drawing No. M1-20.1</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-20	01/00	<b>00/01</b>	<b>Refer to drawing No. M1-20.1</b>	<b>01/01</b>	<b>02/01</b>																																																																																																																																																	
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6.9.3.	L1e-L7e	Controls, tell-tales and indicators for which, when fitted, identification is mandatory, including the identification symbols to be used for that purpose	: See item 6.9.4.																																																																																																																																																								
6.9.4.	L1e-L7e	Summary table: the vehicle is equipped with the following driver-operated controls, including indicators and tell-tales <sup>(4)</sup>  Controls, tell-tales and indicators for which, when fitted, identification is mandatory, and symbols to be used for that purpose	<table border="1"> <thead> <tr> <th>Symbol No</th> <th>Device</th> <th>Control/indicator available (+)</th> <th>Identified by symbol (+)</th> <th>Where (++)</th> <th>Tell-tale available (+)</th> <th>Identified by symbol (+)</th> <th>Where (++)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Master light</td> <td><b>x<sup>(*)</sup></b></td> <td><b>x<sup>(*)</sup></b></td> <td><b>c<sup>(*)</sup></b></td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>Dipped-beam head lamps</td> <td>x</td> <td>x</td> <td>c</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3</td> <td>Main-beam head lamps</td> <td>x</td> <td>x</td> <td>c</td> <td>x</td> <td>x</td> <td>d</td> </tr> <tr> <td>4</td> <td>Position (side) lamps</td> <td><b>x<sup>(*)</sup></b></td> <td><b>x<sup>(*)</sup></b></td> <td><b>c<sup>(*)</sup></b></td> <td><b>x<sup>(**)</sup></b></td> <td><b>x<sup>(**)</sup></b></td> <td><b>d<sup>(**)</sup></b></td> </tr> <tr> <td>5</td> <td>Front fog lamps</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>6</td> <td>Rear fog lamps</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>7</td> <td>Headlamp levelling device</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>8</td> <td>Parking lamps</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>9</td> <td>Direction indicators</td> <td>x</td> <td>x</td> <td>c</td> <td>x</td> <td>x</td> <td>d</td> </tr> <tr> <td>10</td> <td>Hazard warning</td> <td><b>x<sup>(*)</sup></b></td> <td><b>x<sup>(*)</sup></b></td> <td><b>c<sup>(*)</sup></b></td> <td><b>x<sup>(*)</sup></b></td> <td><b>x<sup>(*)</sup></b></td> <td><b>d<sup>(*)</sup></b></td> </tr> <tr> <td>11</td> <td>Windscreen wiper</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>12</td> <td>Windscreen washer</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>13</td> <td>Windscreen wiper and washer</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>14</td> <td>Headlamp cleaning device</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>15</td> <td>Windscreen demisting and defrosting</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>16</td> <td>Rear window demisting and defrosting</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>17</td> <td>Ventilating fan</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>18</td> <td>Diesel pre-heat</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Symbol No	Device	Control/indicator available (+)	Identified by symbol (+)	Where (++)	Tell-tale available (+)	Identified by symbol (+)	Where (++)	1	Master light	<b>x<sup>(*)</sup></b>	<b>x<sup>(*)</sup></b>	<b>c<sup>(*)</sup></b>	-	-	-	2	Dipped-beam head lamps	x	x	c	-	-	-	3	Main-beam head lamps	x	x	c	x	x	d	4	Position (side) lamps	<b>x<sup>(*)</sup></b>	<b>x<sup>(*)</sup></b>	<b>c<sup>(*)</sup></b>	<b>x<sup>(**)</sup></b>	<b>x<sup>(**)</sup></b>	<b>d<sup>(**)</sup></b>	5	Front fog lamps	-	-	-	-	-	-	6	Rear fog lamps	-	-	-	-	-	-	7	Headlamp levelling device	-	-	-	-	-	-	8	Parking lamps	-	-	-	-	-	-	9	Direction indicators	x	x	c	x	x	d	10	Hazard warning	<b>x<sup>(*)</sup></b>	<b>x<sup>(*)</sup></b>	<b>c<sup>(*)</sup></b>	<b>x<sup>(*)</sup></b>	<b>x<sup>(*)</sup></b>	<b>d<sup>(*)</sup></b>	11	Windscreen wiper	-	-	-	-	-	-	12	Windscreen washer	-	-	-	-	-	-	13	Windscreen wiper and washer	-	-	-	-	-	-	14	Headlamp cleaning device	-	-	-	-	-	-	15	Windscreen demisting and defrosting	-	-	-	-	-	-	16	Rear window demisting and defrosting	-	-	-	-	-	-	17	Ventilating fan	-	-	-	-	-	-	18	Diesel pre-heat	-	-	-	-	-	-
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Note: Modified points are in bold characters.



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6.9.5.	L1e-L7e	19	Choke	-	-	-	-	-	-
		20	Brake failure	-	-	-	-	-	-
		21	Fuel level	-	-	-	-	-	-
		22	Battery charging condition	-	-	-	<b>x<sup>(***)</sup></b>	<b>x<sup>(***)</sup></b>	<b>d<sup>(***)</sup></b>
		23	Engine coolant temperature	-	-	-	-	-	-
		24	Malfunction indicator light (MI)	-	-	-	-	-	-
		<sup>(+)</sup> x = Yes. - = No or not separately available. o = Optional. <sup>(++)</sup> d = Directly on control, indicator or tell-tale. c = In close vicinity. (*) For version 01 (**) For the type of speedometer: DX80A (***) For the type of speedometer: SBGW							
		Controls, tell-tales and indicators for which, when fitted, identification is optional, and symbols which shall be used if they are to be identified							
		Symbol No	Device	Control/indicator available (+)	Identified by symbol (+)	Where (+)	Tell-tale available (+)	Identified by symbol (+)	Where (+)
		1	Parking brake	-	-	-	-	-	-
		2	Rear window wiper	-	-	-	-	-	-
3	Rear window washer	-	-	-	-	-	-		
4	Rear window wiper and washer	-	-	-	-	-	-		
5	Intermittent windscreen wiper	-	-	-	-	-	-		
6	Audible warning device (horn)	x	x	d	-	-	-		
7	Front hood (bonnet)	-	-	-	-	-	-		
8	Rear hood (boot)	-	-	-	-	-	-		
9	Seat belt	-	-	-	-	-	-		
10	Engine oil pressure	-	-	-	-	-	-		
11	Unleaded petrol	-	-	-	-	-	-		
<sup>(+)</sup> x = Yes. - = No or not separately available. o = Optional. <sup>(++)</sup> d = Directly on control, indicator or tell-tale. c = In close vicinity.									
6.10.		Speedometer and odometer							
6.10.1.		<i>Speedometer</i>							



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Item No.	(Sub) categories	Detailed information								
6.10.1.1.	L1e-L7e	Photographs and/or drawings of the complete system	: 1.Manufacturer: Taizhou Luqiao Jingxian Electronic Technology Co., Ltd. Type: SBGW <b>2.Manufacturer: Guangzhou Elephant Technology Development Co., Ltd.</b> <b>Type: DX80A</b> <table border="1" style="margin-left: 20px;"> <tr> <td>00/00</td> <td rowspan="3">Refer to drawing No. <b>M1-21</b></td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> <tr> <td>01/00</td> <td rowspan="2">Refer to drawing No. <b>M1-21.1</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> </table>	00/00	Refer to drawing No. <b>M1-21</b>	<b>00/01</b>	<b>02/01</b>	01/00	Refer to drawing No. <b>M1-21.1</b>	<b>01/01</b>
00/00	Refer to drawing No. <b>M1-21</b>									
<b>00/01</b>										
<b>02/01</b>										
01/00	Refer to drawing No. <b>M1-21.1</b>									
<b>01/01</b>										
6.10.1.2.	L1e-L7e	Vehicle speed range displayed	: 0~80 km/h, 0~50 mph							
6.10.1.3.	L1e-L7e	Tolerance of the measuring mechanism of the speedometer	: $0 \leq (V_1 - V_2) \leq 0.1 * V_2 + 4$ km/h $V_1$ : displayed speed, $V_2$ : actual speed							
6.10.1.4.	L1e-L7e	Technical constant of the speedometer	: SBGW: <b>1 pulse/min=2.9 x10<sup>-4</sup> km/h</b> <b>DX80A: 1 pulse/min=3.06x10 km/h or</b>							
6.10.1.5.	L1e-L7e	Method of operation and description of the drive mechanism	: Directly connect to controller, to drive speedometer through the signal from controller.							
6.10.1.6.	L1e-L7e	Overall transmission ratio of the drive mechanism	: SBGW: 310 pulses / 1 wheel rotation <b>DX80A: 90 pulses / 1 wheel rotation</b>							
6.10.2.		<i>Odometer</i>								
6.10.2.1.	L1e-L7e	Tolerance of the measuring mechanism of the odometer	: See 6.10.1.3.							
6.10.2.2.	L1e-L7e	Method of operation and description of the drive mechanism	: See 6.10.1.5.							
6.11.		Installation of lighting, light-signalling devices, including automatic switching of lighting								
6.11.1.	L1e-L7e	List of all devices (mentioning the number, make(s),type, component type-approval mark(s), the maximum intensity of the main-beam headlamps, colour, the corresponding tell-tale)	: Refer to drawing No. <b>M1-22</b>							
6.11.2.	L1e-L7e	Diagram showing the location of the lighting and light-signalling devices	<table border="1" style="margin-left: 20px;"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. <b>M1-23 or M1-23.1</b></td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3">Refer to drawing No. <b>M1-23.2</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. <b>M1-23 or M1-23.1</b>	01/00	<b>00/01</b>	Refer to drawing No. <b>M1-23.2</b>	<b>01/01</b>	<b>02/01</b>
00/00	Refer to drawing No. <b>M1-23 or M1-23.1</b>									
01/00										
<b>00/01</b>	Refer to drawing No. <b>M1-23.2</b>									
<b>01/01</b>										
<b>02/01</b>										
6.11.3.	L1e-L7e	Hazard warning lamps	: No							
6.11.4.	L1e-L7e	Brief description of the electrical and/or electronic components used in the lighting system and in the light-signalling system	: Not applicable							
6.11.5.	L1e-L7e	For every lamp and reflector, supply the following information (in writing and/or by diagram)								



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6.11.5.1.	L1e-L7e	Drawing showing the extent of the illuminating surface : See component's certificates
6.11.5.2.	L1e-L7e	Method used to define the apparent surface in accordance with point 2.10 of UNECE Regulation No 48 (OJ L 323, 6.12.2011, p. 46) : See component's certificates
6.11.5.3.	L1e-L7e	Axis of reference and centre of reference : See component's certificates
6.11.5.4.	L1e-L7e	Method of operation of concealable lamps : Not applicable
6.11.6.	L1e-L7e	Description/drawing and type of headlamp levelling device (e.g. automatic, stepwise manually adjustable, continuously manually adjustable) <sup>(4)</sup> : Stepwise manually adjustable
6.11.6.1.	L1e-L7e	Control device : Set screw
6.11.6.2.	L1e-L7e	Reference marks : Not applicable
6.11.6.3.	L1e-L7e	Marks assigned for loading conditions : Not applicable
6.12.		Rearward visibility
6.12.1.		<i>Rear-view mirrors (stating for each mirror)</i>
6.12.1.1.	L1e-L7e	Drawing(s) for the identification of the mirror showing the position of the mirror relative to the vehicle structure : <b>Make: Z&amp;X</b> <b>Type: ZX-09</b> <b>Approval number: L E4 000234</b> <b>Refer to drawing No. M1-24</b> <b>or</b> <b>Make: XIONGXIN</b> <b>Type: XX-005</b> <b>Approval number: L E11 002066</b> <b>Refer to drawing No. M1-24.1</b>
6.12.1.2.	L1e-L7e	Details of the method of attachment including that part of the vehicle structure to which it is attached : Refer to drawing No. M1-24 <b>or M1-24.1</b>
6.12.1.3.	L1e-L7e	A brief description of the electronic components of the adjustment system : Not applicable
6.12.2.	L1e-L7e	<i>Devices for indirect vision other than mirrors</i>
6.12.2.1.	L1e-L7e	Description of the device : Not applicable
6.12.2.2.	L1e-L7e	In the case of a camera-monitor device, the detection distance (mm), contrast, luminance range, glare correction, display performance (black and white/colour <sup>(4)</sup> ), image repetition frequency, luminance reach of the monitor <sup>(4)</sup> : Not applicable



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6.12.2.3.	L1e-L7e	Sufficiently detailed drawings to identify the complete device, including installation instructions; the position for the EU type-approval mark has to be indicated on the drawings : Not applicable
6.13.		Rollover protective structure (ROPS)
	L7e-B2	From 6.13.1. to 6.13.4.2. : Not applicable
6.14.		Safety belts and/or other restraints
	L2e, L4e, L5e-B, L6e-B, L7e	From 6.14.1. to 6.14.4. : Not applicable
6.15.		Safety belt anchorages
	L2e, L4e, L5e-B, L6e-B, L7e	From 6.15.1. to 6.15.7. : Not applicable
6.16.		Seating positions (saddles and seats)
6.16.1.	L1e-L7e	Number of seating positions : 1
6.16.1.1.	L2e, L5e, L6e, L7e	Location and arrangement <sup>(8)</sup> : Not applicable
6.16.2.	L1e-L7e	Seating position configuration : <del>seat</del> /saddle <sup>(4)</sup>
6.16.3.	L1e-L7e	Description and drawings of:
6.16.3.1.	L1e-L7e	The seats and their anchorages : Not applicable
6.16.3.2.	L1e-L7e	The adjustment system : Not applicable
6.16.3.3.	L1e-L7e	The displacement and locking systems : Not applicable
6.16.3.4.	L1e-L7e	The seat-belt anchorages incorporated in the seat structure : Not applicable
6.16.3.5.	L1e-L7e	The parts of the vehicle used as anchorages : Not applicable
6.16.4.	L2e, L4e, L5e-B, L6e-B, L7e	Coordinates or drawing of the R-point(s) of all seating positions:
6.16.4.1.	L2e, L4e, L5e-B, L6e-B, L7e	Driver's seat : Not applicable
6.16.4.2.	L2e, L4e, L5e-B, L6e-B, L7e	All other seating positions : Not applicable
6.16.5.	L1e-L7e	Design torso angle
6.16.5.1.	L1e-L7e	Driver's seat : <b>Not applicable</b>



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Item No.	(Sub) categories	Detailed information	
6.16.5.2.	L1e-L7e	All other seating positions	: Not applicable
6.16.6.	L1e-L7e	Range of seat adjustment	
6.16.6.1.	L1e-L7e	Driver's seat	: Not applicable
6.16.6.2.	L1e-L7e	All other seating positions	: Not applicable
6.17.		Steer-ability, cornering properties and turn-ability	
6.17.1.	L1e-L7e	Schematic diagram of steered axle(s) showing steering geometry	: Refer to drawing No. M1-25
6.17.2.		<i>Transmission and control of steering</i>	
6.17.2.1.	L1e-L7e	Configuration of steering transmission (specify for front and rear)	: Refer to drawing No. M1-25
6.17.2.2.	L1e-L7e	Linkage to wheels (including other than mechanical means; specify for front and rear)	: Front steering axle
6.17.2.2.1.	L1e-L7e	A brief description of the electrical/electronic components	: Not applicable
6.17.2.3.	L1e-L7e	Diagram of the steering transmission	: Refer to drawing No. M1-25
6.17.2.4.	L2e, L5e, L6e, L7e	Schematic diagram(s) of the steering control(s)	: Not applicable
6.17.2.5.	L2e, L5e, L6e, L7e	Range and method of adjustment of the steering control(s)	: Not applicable
6.17.2.6.	L2e, L5e, L6e, L7e	Method of assistance	: Not applicable
6.17.3.		<i>Maximum steering angle of the wheels</i>	
6.17.3.1.	L1e-L7e	To the right	: 40 degrees; number of turns of the steering wheel (or equivalent data): Not applicable
6.17.3.2.	L1e-L7e	To the left	: 40 degrees; number of turns of the steering wheel (or equivalent data): Not applicable
6.18.		Tyres/wheels combination	
6.18.1.		<i>Tyres:</i>	
6.18.1.1.		Size designation	
6.18.1.1.1.	L1e-L7e	Axle 1	: Front: 130/70-12, 58J or 62J or <b>56L</b>
6.18.1.1.2.	L1e-L7e	Axle 2	: Rear: 215/40-12, 52M
6.18.1.1.3.	L4e	Sidecar wheel	: Not applicable





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Item No.	(Sub) categories	Detailed information								
6.18.1.2.	L1e-L7e	Minimum load-capacity index with the maximum load on each tyre	: Front: 24 (90 kg) Rear: 32 (112 kg)							
6.18.1.3.	L1e-L7e	Minimum-speed category symbol compatible with the theoretical maximum design vehicle speed	: B							
6.18.1.4.	L1e-L7e	Tyre pressure(s) as recommended by the vehicle manufacturer	: Front: 250 kPa Rear: 250 kPa							
6.18.2.		Wheels								
6.18.2.1.	L1e-L7e	Rim size(s)	: Front: 3.50 x 12 <b>or 12*MT2.75</b> Rear: 8.00 x 12 <b>or 12*7.5</b>							
6.18.2.2.	L1e-L7e	Categories of use compatible with the vehicle	: Ordinary or <b>Normal</b>							
6.18.2.3.	L1e-L7e	Nominal rolling circumference	: Front: 1530 mm Rear: 1500 mm							
6.19.		Vehicle maximum speed limitation plate and its location on the vehicle								
	L7e-B1 and L7e-B2	From 6.19.1. to 6.19.6	: Not applicable							
6.20.		Vehicle occupant protection, including interior fittings and vehicle doors								
		From 6.20.1. to 6.20.4.3.2.	: Not applicable							
6.21.		Maximum continuous total power and/or maximum vehicle speed limitation by design								
6.21.1.		<i>Propulsion and/or drive-train output governors</i>								
6.21.1.1.	L1e-L7e	Number (minimum two, exemption L3e-A3 and L4e-A3)	: 2							
6.21.1.2.	L1e-L7e	How is the redundancy of governors ensured?	: 1. Reduction of the maximum power output of one electric motor based on the rotation speed as sensed internally to the electric motor; 2. Physical vehicle speed limitation by means of external components such as a maximum achievable revolution speed of an electric motor.							
6.21.1.3.	L1e-L7e	Nominal cut-off point No 1								
6.21.1.3.1.	L1e-L7e	Engine/motor/drive-train rotation speed at which cut-off starts under load	<table border="1"> <tbody> <tr> <td>00/00</td> <td rowspan="2">550 min<sup>-1</sup></td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>02/01</b></td> <td rowspan="3">360 min<sup>-1</sup></td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>01/01</b></td> </tr> </tbody> </table>	00/00	550 min <sup>-1</sup>	<b>00/01</b>	<b>02/01</b>	360 min <sup>-1</sup>	01/00	<b>01/01</b>
00/00	550 min <sup>-1</sup>									
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Item No.	(Sub) categories	Detailed information								
6.21.1.3.2.	L1e-L7e	Maximum rotation speed at the minimum engine load	<table border="1"> <tr> <td>00/00</td> <td rowspan="3">550 min<sup>-1</sup></td> </tr> <tr> <td><b>00/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> <tr> <td>01/00</td> <td rowspan="2">360 min<sup>-1</sup></td> </tr> <tr> <td><b>01/01</b></td> </tr> </table>	00/00	550 min <sup>-1</sup>	<b>00/01</b>	<b>02/01</b>	01/00	360 min <sup>-1</sup>	<b>01/01</b>
00/00	550 min <sup>-1</sup>									
<b>00/01</b>										
<b>02/01</b>										
01/00	360 min <sup>-1</sup>									
<b>01/01</b>										
6.21.1.4.	L1e-L7e	Nominal cut-off point No 2								
6.21.1.4.1.	L1e-L7e	Engine/motor/drive-train rotation speed at which cut-off starts under load <sup>(4)</sup>	: Not applicable							
6.21.1.4.2.	L1e-L7e	Maximum rotation speed at the minimum engine load	: Not applicable							
6.21.1.5.	L1e-L7e	The stated purpose of governor(s)	: <b>maximum design vehicle speed limitation/maximum power limitation/engine over-speed-protection</b> <sup>(4)</sup>							
7.		INFORMATION ON VEHICLE CONSTRUCTION								
7.1.		Coupling devices and attachments								
7.1.1.	L1e-L7e	L-category vehicle equipped with coupling device	: <del>yes/no/optional</del> <sup>(4)</sup>							
	L1e-L7e	From 7.1.2. to 7.1.6.	: Not applicable							
7.2.		Devices to prevent unauthorised use								
7.2.1.		<i>Protective device</i>								
7.2.1.1.	L1e-L7e	Summary description of protective device(s) used	: Type 2, Steering lock with handle bar operating on the steering and engine is operated by combination Refer to drawing No. M1-26							
7.2.2.		<i>Vehicle immobiliser</i>								
7.2.2.1.	L1e-L7e	Technical description of the vehicle immobiliser and of the measures taken against inadvertent activation	: Not applicable							
7.2.3.		<i>Alarm system</i>								
7.2.3.1.	L1e-L7e	Description of the alarm system and of the vehicle parts involved in its installation	: Not applicable							
7.2.3.2.	L1e-L7e	List of the main components comprising the alarm system	: Not applicable							
7.3.		Electromagnetic compatibility (EMC)								
7.3.1.	L1e-L7e	Requirements under UNECE Regulation No 10 (OJ L 254, 20.9.2012, p. 1) are met with relevant documentation included in the information document	: <del>yes/no</del> <sup>(4)</sup>							



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Item No.	(Sub) categories	Detailed information
7.3.2.	L1e-L7e	Table or drawing of radio-interference control equipment : Not applicable
7.3.3.	L1e-L7e	Particulars of the nominal value of the direct-current resistance, and, in the case of resistive ignition cables, of their nominal resistance per metre : 1. 1.50 mm <sup>2</sup> (max. resistance: 13.3 Ohm/km) 2. 1.00 mm <sup>2</sup> (max. resistance: 19.5 Ohm/km) 3. 0.75 mm <sup>2</sup> (max. resistance: 26.0 Ohm/km) 4. 0.50 mm <sup>2</sup> (max. resistance: 39.0 Ohm/km) 5. 0.30 mm <sup>2</sup> (max. resistance: 69.2 Ohm/km)
7.4.		External projections
7.4.1.	L1e - L7e vehicles with bodywork	General arrangement (drawing or photographs accompanied if necessary by dimensional details and/or text) indicating the position of the attached sections and views, of any parts of the exterior surface which can be regarded as critical for external projections, for example, and where relevant: bumpers, floor line, door and window pillars, air-intake grilles, radiator grille, windscreen wipers, rain gutter channels, handles, slide rails, flaps, door hinges and locks, hooks, eyes, winches, decorative trim, badges, emblems and recesses and any other parts of the exterior surface which can be regarded as critical (e.g. lighting equipment) : Not applicable
7.5.		Fuel storage
	L1e-L7e	From 7.5.1. to 7.5.3.1. : Not applicable
7.6.		On-board diagnostics (OBD) functional requirements
7.6.1.		<i>On-board diagnostics system</i>
7.6.1.1.	L1e-L7e	Stage I : <b>yes/no</b> <sup>(4)</sup> and/or
7.6.1.2.	L1e-L7e	Stage II : <b>yes/no</b> <sup>(4)</sup>
	L3e-L7e <sup>(10)</sup>	From 7.6.2. to 7.6.5.1. : Not applicable
7.7.		Passenger handholds and footrests
7.7.1.		<i>Handholds</i>
7.7.1.1.	L1e-L7e	Configuration : Not applicable
7.7.1.2.	L1e-L7e	Photographs and/or drawings showing the location and the construction : Not applicable
7.7.2.		<i>Footrests</i>
7.7.2.1.	L1e-L7e	Photographs and/or drawings showing the location and the construction : Refer to drawing No. M1-27



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Item No.	(Sub) categories	Detailed information								
7.8.		Registration plate space								
7.8.1.	L1e-L7e	Location of rear registration plate (indicate variants where necessary; drawings may be used as appropriate)	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-28 or M1-28.1</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3">Refer to drawing No. <b>M1-28.2</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-28 or M1-28.1	01/00	<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>	<b>01/01</b>	<b>02/01</b>
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<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>									
<b>01/01</b>										
<b>02/01</b>										
7.8.1.1.	L1e-L7e	Height above road surface, upper edge	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-28 or M1-28.1</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3">Refer to drawing No. <b>M1-28.2</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-28 or M1-28.1	01/00	<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>	<b>01/01</b>	<b>02/01</b>
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<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>									
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<b>02/01</b>										
7.8.1.2.	L1e-L7e	Height above road surface, lower edge	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-28 or M1-28.1</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3">Refer to drawing No. <b>M1-28.2</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-28 or M1-28.1	01/00	<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>	<b>01/01</b>	<b>02/01</b>
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01/00										
<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>									
<b>01/01</b>										
<b>02/01</b>										
7.8.1.3.	L1e-L7e	Distance of the centre line from the longitudinal median plane of the vehicle	: 0 mm							
7.8.1.4.	L1e-L7e	Dimensions (length x width)	: 125 mm x 145 mm							
7.8.1.5.	L1e-L7e	Inclination of the plane to the vertical	<table border="1"> <tr> <td>00/00</td> <td rowspan="2">Refer to drawing No. M1-28 or M1-28.1</td> </tr> <tr> <td>01/00</td> </tr> <tr> <td><b>00/01</b></td> <td rowspan="3">Refer to drawing No. <b>M1-28.2</b></td> </tr> <tr> <td><b>01/01</b></td> </tr> <tr> <td><b>02/01</b></td> </tr> </table>	00/00	Refer to drawing No. M1-28 or M1-28.1	01/00	<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>	<b>01/01</b>	<b>02/01</b>
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01/00										
<b>00/01</b>	Refer to drawing No. <b>M1-28.2</b>									
<b>01/01</b>										
<b>02/01</b>										
7.8.1.6.	L1e-L7e	Angle of visibility in the horizontal plane	: 180 degrees							
7.9.		Stands								
7.9.1.	L1e, L3e	Configuration	: <del>central</del> and/or side <sup>(4)</sup>							
7.9.2.	L1e, L3e	Construction material used	: Metal							
7.9.3.	L1e, L3e	Photographs and drawings showing the location of the stand(s) in relation to the structure of the vehicle	: Refer to drawing No. M1-29							
7.9.4.	L1e, L3e	Description of the method to prevent contact of the stand with the ground when the vehicle is being propelled	: Designed in such a way that it cannot be propelled by its electric engine when the prop stand is extended							



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022

## DRAWINGS LIST

Drawing No.	Drawing Subject	Page(s)	Date
M1-01	Location of the VIN and manufacturer's statutory plate	1	06.05.2020
<b>M1-02</b>	<b>Manufacturer's data plate and VIN explanation</b>	<b>1</b>	<b>10.05.2022</b>
M1-03	Complete vehicle dimension	1	10.12.2018
M1-03.1	Complete vehicle dimension	1	06.05.2020
<b>M1-03.2</b>	<b>Complete vehicle dimension</b>	<b>1</b>	<b>10.05.2022</b>
M1-04 (*)	Chassis	1	10.12.2018
<b>M1-04.1 (**)</b>	<b>Chassis</b>	<b>1</b>	<b>10.05.2022</b>
<b>M1-05</b>	<b>General view of motor</b>	<b>1</b>	<b>10.05.2022</b>
M1-06	Control system of pure propulsion	1	10.12.2018
M1-07	Installation of the battery	1	10.12.2018
<b>M1-07.1</b>	<b>Installation of the battery</b>	<b>1</b>	<b>10.05.2022</b>
M1-08	Charger	1	10.12.2018
M1-09	Controller	1	10.12.2018
M1-09.1	Controller	1	10.12.2018
M1-10	Front suspension arrangement	1	10.12.2018
M1-10.1	Rear suspension arrangement	1	10.12.2018
M1-10.2	Rear suspension arrangement	1	06.05.2020
<b>M1-11</b>	<b>Location of audible warning device</b>	<b>1</b>	<b>10.05.2022</b>
M1-12	Braking system	1	10.12.2018
M1-13	Front brake system	1	10.12.2018
M1-14	Rear brake system	1	10.12.2018
M1-15	Hydraulic reservoir	1	10.12.2018
M1-16	Brake hose	1	10.12.2018
<b>M1-17</b>	<b>Location of the power circuit components</b>	<b>1</b>	<b>10.05.2022</b>
M1-18	Electric diagram	1	10.12.2018
M1-19	Fuse	1	10.12.2018
M1-20	Controls I.D., Indicator and Tell-tale	1	10.12.2018
<b>M1-20.1</b>	<b>Controls I.D., Indicator and Tell-tale</b>	<b>1</b>	<b>10.05.2022</b>
<b>M1-21</b>	<b>Speedometer system</b>	<b>1</b>	<b>10.05.2022</b>
<b>M1-21.1</b>	<b>Speedometer system</b>	<b>1</b>	<b>10.05.2022</b>
<b>M1-22</b>	<b>List of lighting and light-signalling devices</b>	<b>1</b>	<b>10.05.2022</b>
<b>M1-23</b>	<b>Lighting installation</b>	<b>1</b>	<b>06.05.2020</b>
<b>M1-23.1</b>	<b>Lighting installation</b>	<b>1</b>	<b>06.05.2020</b>
<b>M1-23.2</b>	<b>Lighting installation</b>	<b>1</b>	<b>10.05.2022</b>
M1-24	Rear-view mirrors position and installation	1	10.12.2018
<b>M1-24.1</b>	<b>Rear-view mirrors position and installation</b>	<b>1</b>	<b>10.05.2022</b>
M1-25	Steering system	1	10.12.2018
M1-26	Anti-theft device	1	10.12.2018
M1-27	Footrest	1	10.12.2018
M1-28	Space for rear registration plate	1	10.12.2018
M1-28.1	Space for rear registration plate	1	06.05.2020
<b>M1-28.2</b>	<b>Space for rear registration plate</b>	<b>1</b>	<b>10.05.2022</b>
M1-29	Side stand	1	10.12.2018
M1-30	Location of high voltage	1	10.12.2018
M1-31	Location and detail of charging interface	1	10.12.2018
M1-31.1	Location and detail of charging interface	1	10.12.2018

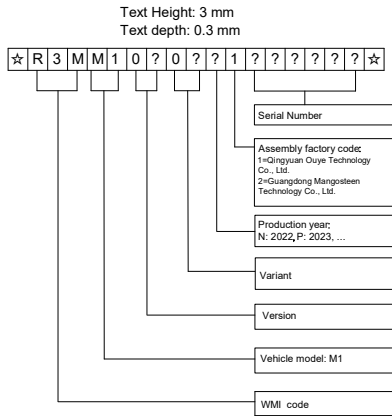
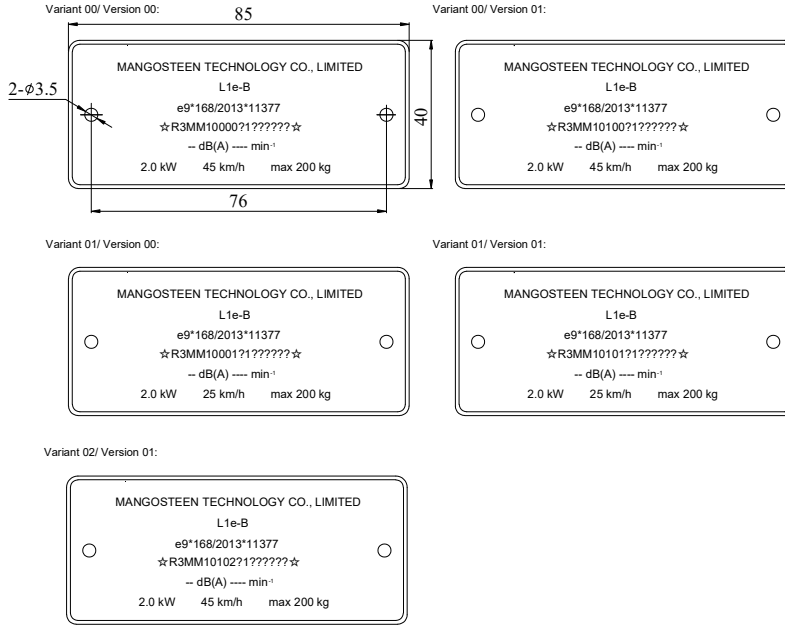
(\*) for complete vehicle in drawing no. M1-03

(\*\*) for complete vehicle in drawing no. M1-03.1 and M1-03.2



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022



**Variant/Version**

- 00/00: ☆R3MM10000?1?????☆    00/01: ☆R3MM10100?1?????☆
- 01/00: ☆R3MM10001?1?????☆    01/01: ☆R3MM10101?1?????☆
- 02/01: ☆R3MM10102?1?????☆

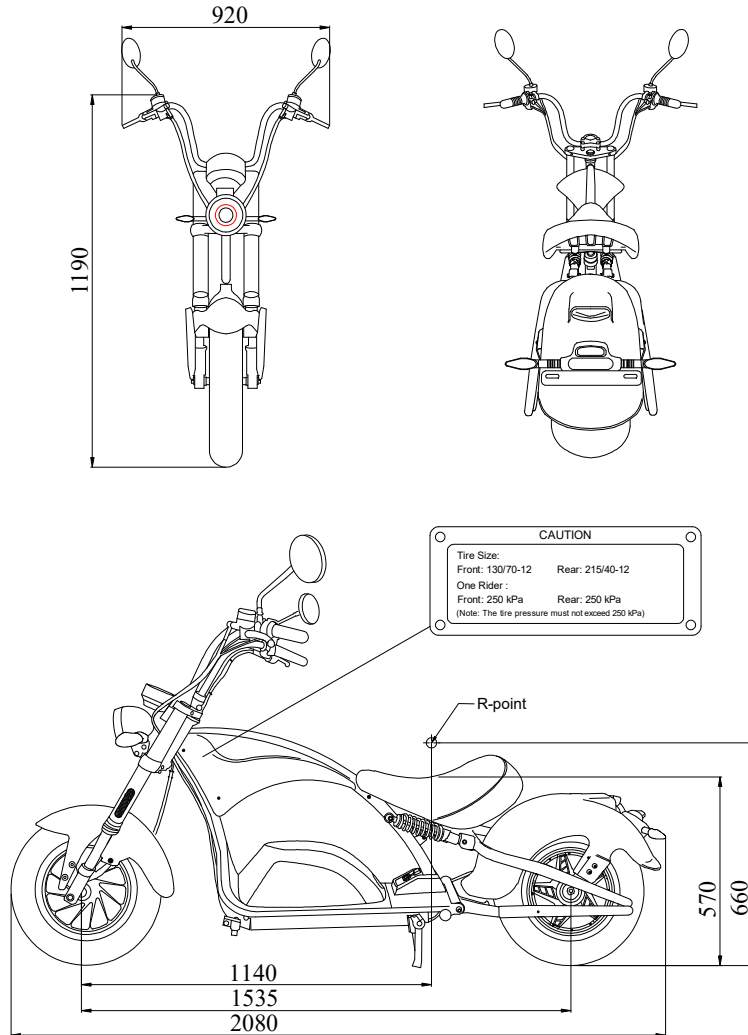
Vehicle Type	M1
Manufacturer's data plate and VIN explanation	
Drawing No.	M1-02



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
Application date: 10.05.2022

Version 01:

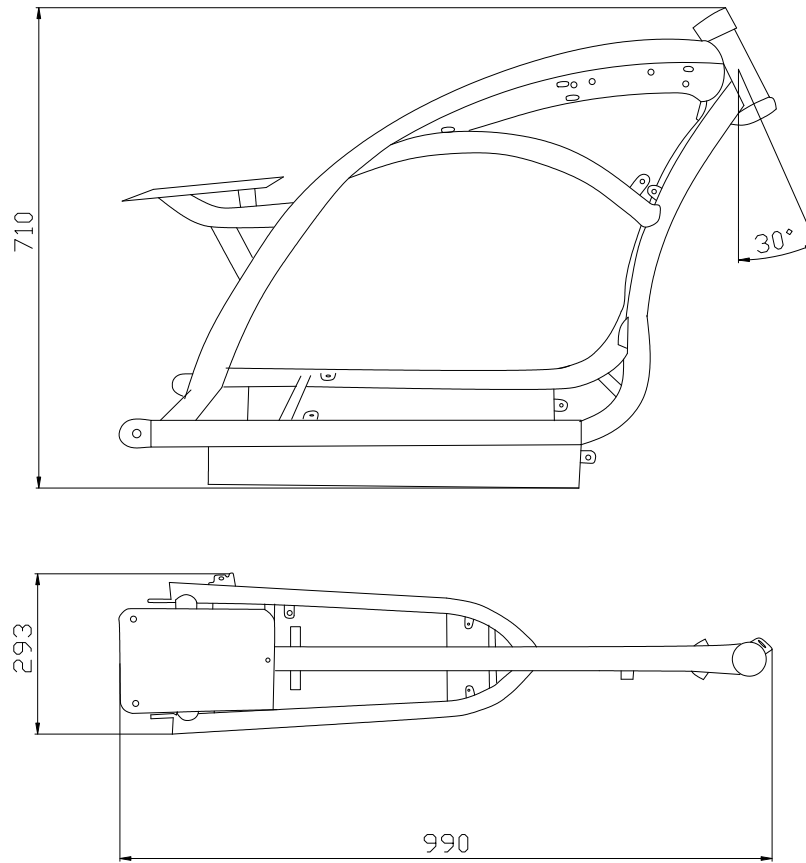


Vehicle Type	M1
Complete vehicle dimension	
Drawing No.	M1-03.2



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
Application date: 10.05.2022



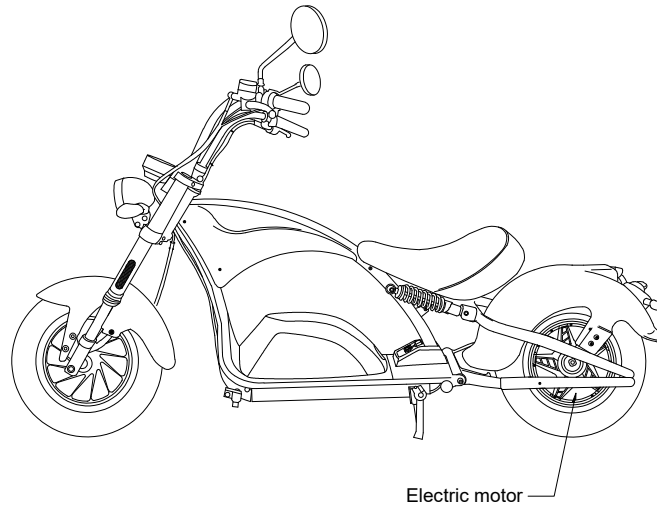
Vehicle Type	M1
Chassis	
Drawing No.	M1-04.1





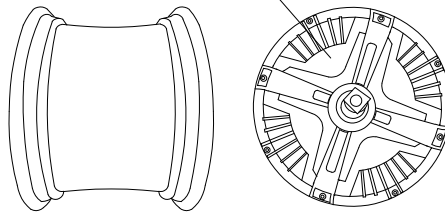
# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
Application date: 10.05.2022

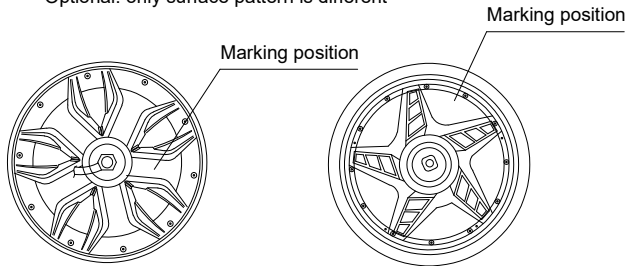


Details:

Marking position



Optional: only surface pattern is different



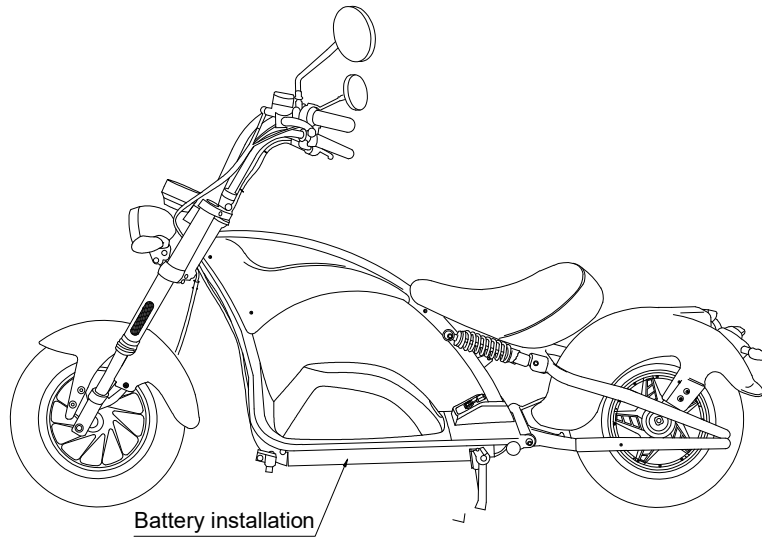
Vehicle Type	M1
General view of motor	
Drawing No.	M1-05



# MANGOSTEEN TECHNOLOGY CO., LIMITED

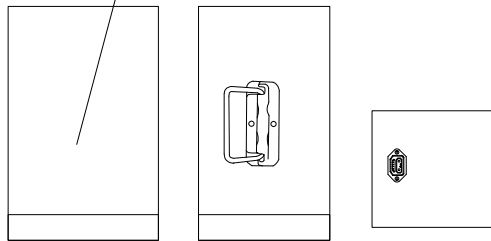
Information document No.: 168/2013-M1-03  
Application date: 10.05.2022

Marking: 21700-16S10P



Detail:

Marking position

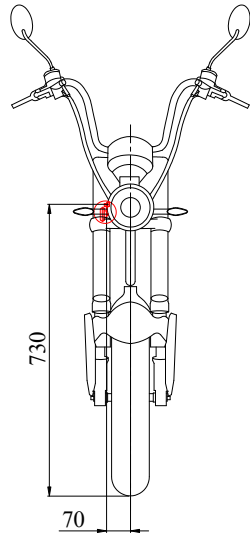
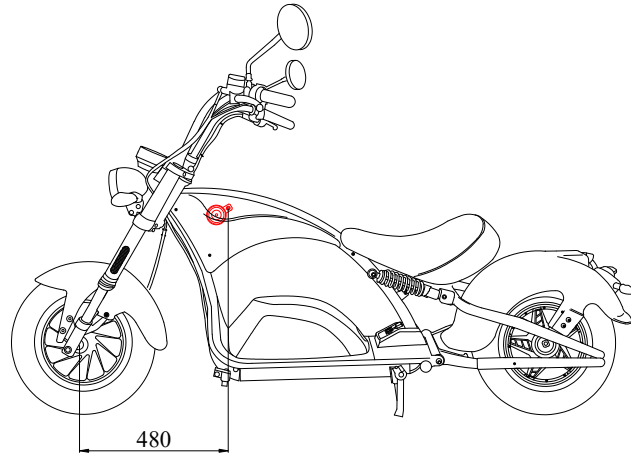


Vehicle Type	M1
Installation of the battery	
Drawing No.	M1-07.1

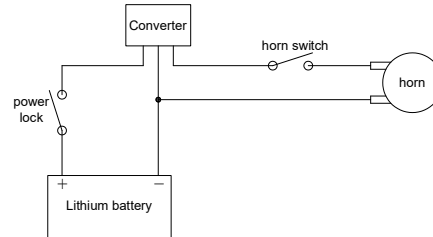
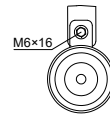
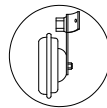


# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
Application date: 10.05.2022



Detail:



Make: LVEE  
Type: DL70-II  
Approval number: II E32 000002

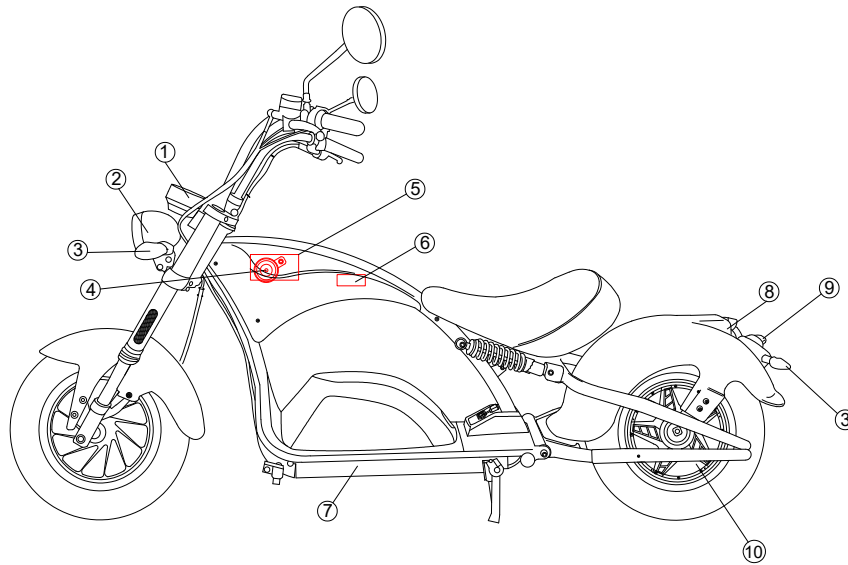
Vehicle Type	M1
Location of audible warning device	
Drawing No.	M1-11



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03

Application date: 10.05.2022



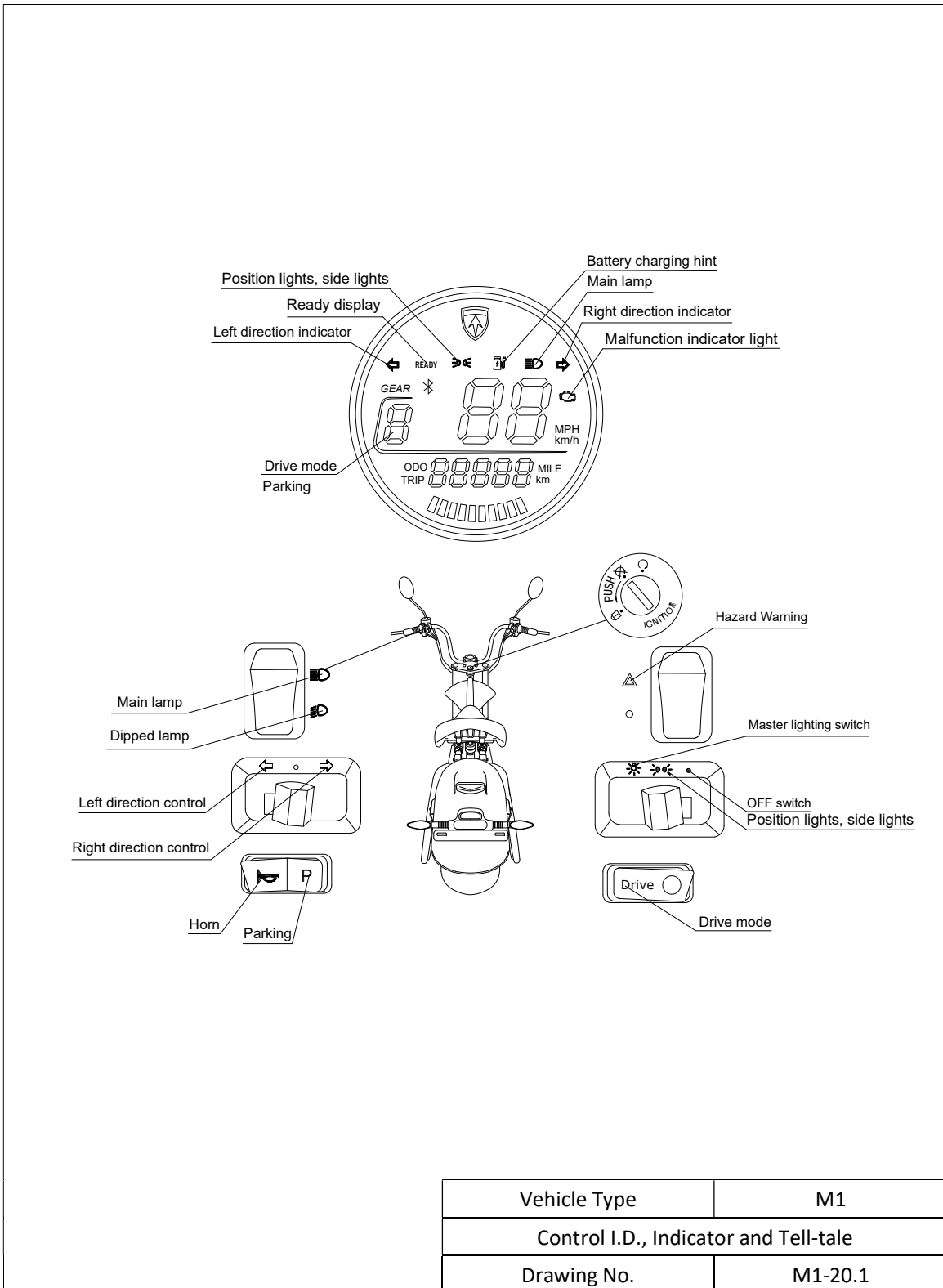
No.	Part Name	No.	Part Name
1	Speedometer	6	Converter
2	Headlamp/Front position lamp	7	Battery
3	Direction indicators	8	Stop lamp/Rear position lamp
4	Horn	9	Rear registration plate lamp
5	Controller	10	Electric motor

Vehicle Type	M1
Location of the power circuit components	
Drawing No.	M1-17



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022



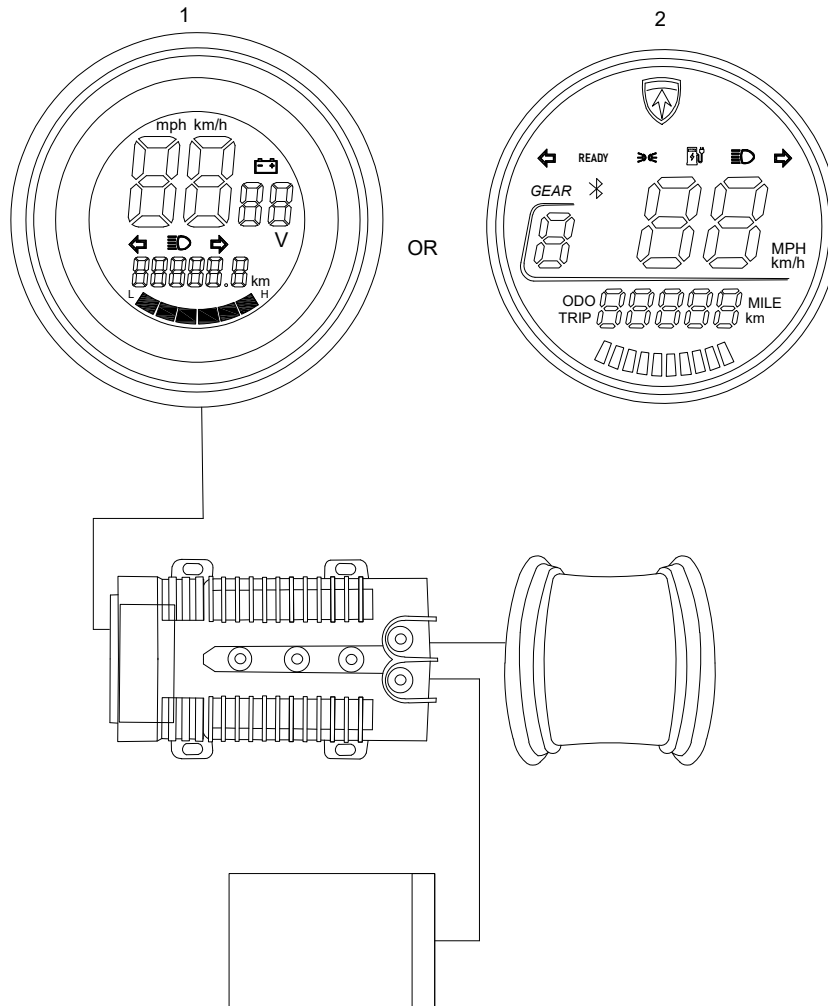
Vehicle Type	M1
Control I.D., Indicator and Tell-tale	
Drawing No.	M1-20.1



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022

Variant 00, 02:



1. Manufacturer: Taizhou Luqiao Jingxian Electronic Technology Co., Ltd.

Type: SBGW

2. Manufacturer: Guangzhou Elephant Technology Development Co., Ltd.

Type: DX80A

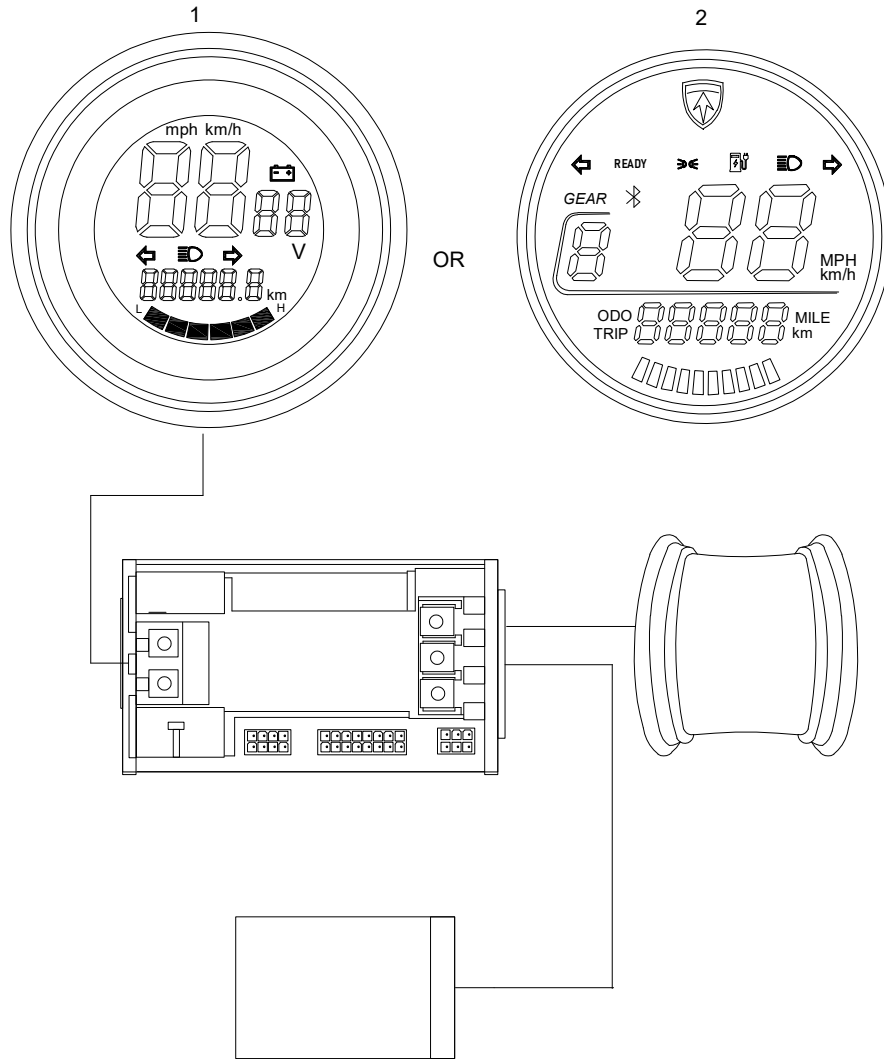
Vehicle Type	M1
Speedometer system	
Drawing No.	M1-21



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022

Variant 01:



1. Manufacturer: Taizhou Luqiao Jingxian Electronic Technology Co., Ltd.

Type: SBGW

2. Manufacturer: Guangzhou Elephant Technology Development Co., Ltd.

Type: DX80A

Vehicle Type	M1
Speedometer system	
Drawing No.	M1-21.1



# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022

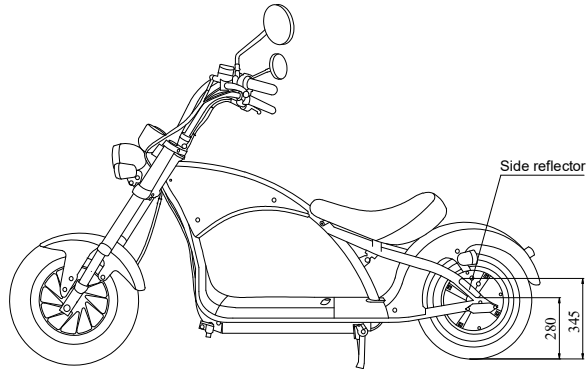
Name	QTY/ Color	Make	Type	Type-approval mark	Tell tale	Max intensity	
<b>Side reflectors</b>	<b>2/amber</b>	<b>K-LITE</b>	<b>KM206</b>	<b>IA E4 023713</b>	<b>/</b>	<b>/</b>	
Rear reflector	1/red	K-LITE	KM206	IA E4 023713	/	/	
Option 1:							
Head lamp	Driving beam	1/white	SHIJIN	SJ-D01	CR-BS PL	Blue	22500cd
	Passing beam				E4 0011171	/	/
Front position lamp	E4 50R-0011171				Via panel	/	
Option 2:							
Head lamp	Driving beam	1/white	SHIJIN	SG01-NZ	WCR-DS PL	Blue	22500cd
	Passing beam				E4 10 02 27489	/	/
Front position lamp	E4 50R-0027489				Via panel	/	
<b>Daytime running lamp (*)</b>	<b>1/white</b>	<b>SHIJIN</b>	<b>SG01-NZ</b>	<b>00 RL E4 27489</b>	<b>Green</b>	<b>/</b>	
Option 1:							
Front	Direction	2/amber	SHIJIN	SJ-XTTUF	11 12	Green	/
Rear	indicators	2/amber			E4 50R-000695	Green	/
Option 2:							
Front	Direction	2/amber	SHIJIN	SJ-LED-Z10	11 12	Green	/
Rear	indicators	2/amber			E4 50R-002854	Green	/
Lamps for original shape:							
Stop lamp	1/red	SHIJIN	SJ-LED-W01	E4 50R-0026277	/	/	
Rear position lamp					Via panel	/	
License lamp	1/white				Via panel	/	
Lamps for new shape:							
Stop lamp	1/red	CHCHENG HAO	CH-2041	E24 50R-000431	/	/	
Rear position lamp					Via panel	/	
License lamp	1/white		CH-2044	E24 50R-000368	Via panel	/	
(*) only for version 01							
Vehicle Type					M1		
List of lighting and light-signalling devices							
Drawing No.					M1-22		



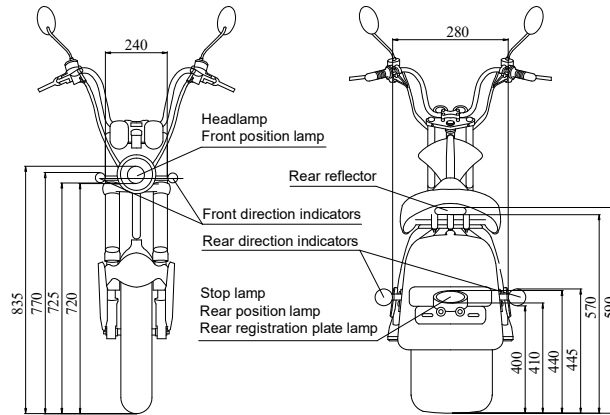


# MANGOSTEEN TECHNOLOGY CO., LIMITED

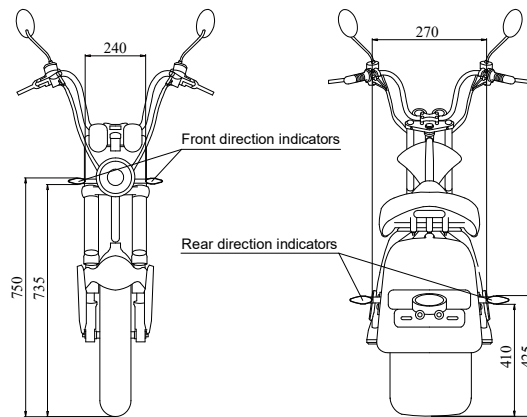
Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022



Direction indicators: E4 50R-000695



Direction indicators: E4 50R-002854

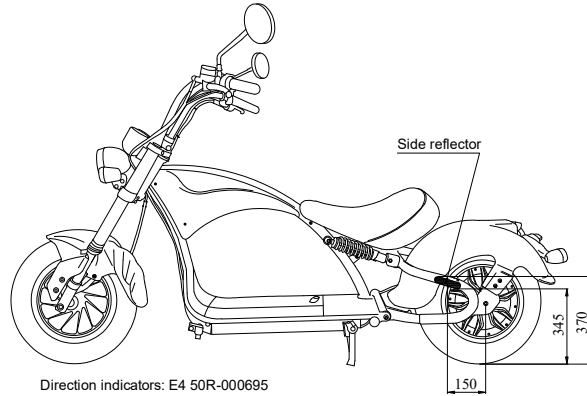


Vehicle Type	M1
Lighting installation	
Drawing No.	M1-23

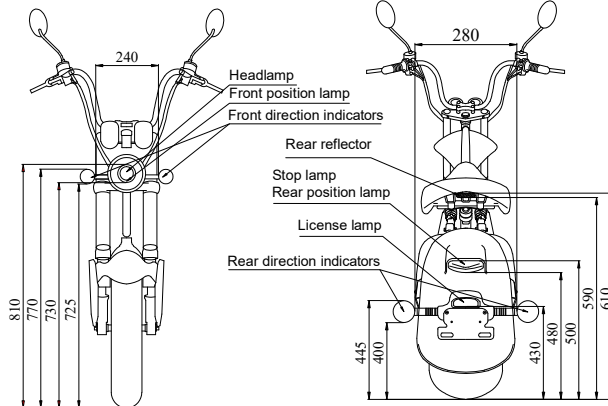


# MANGOSTEEN TECHNOLOGY CO., LIMITED

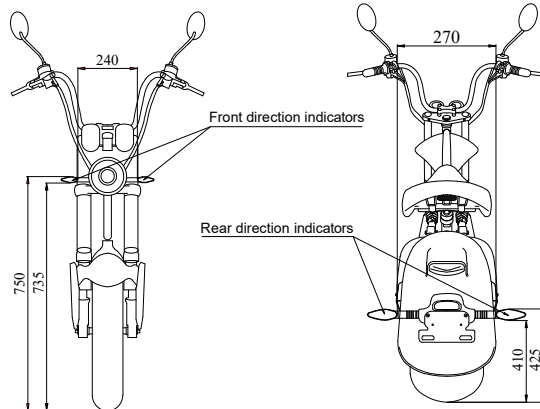
Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022



Direction indicators: E4 50R-000695



Direction indicators: E4 50R-002854

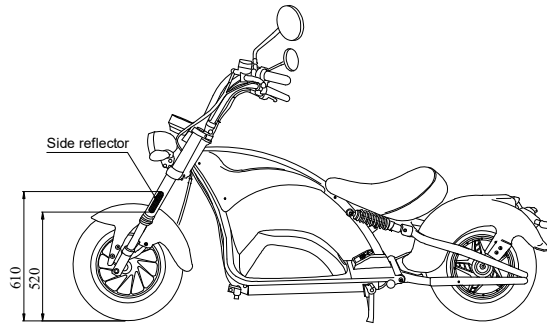


Vehicle Type	M1
Lighting installation	
Drawing No.	M1-23.1

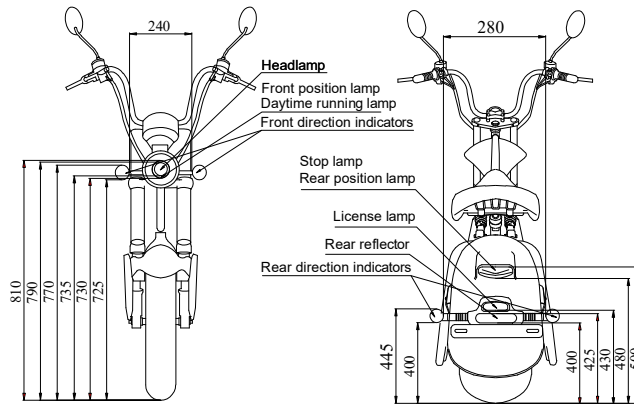


# MANGOSTEEN TECHNOLOGY CO., LIMITED

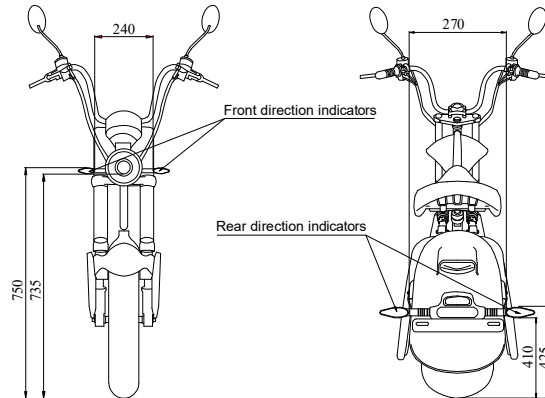
Information document No.: 168/2013-M1-03  
 Application date: 10.05.2022



Direction indicators: E4 50R-000695



Direction indicators: E4 50R-002854

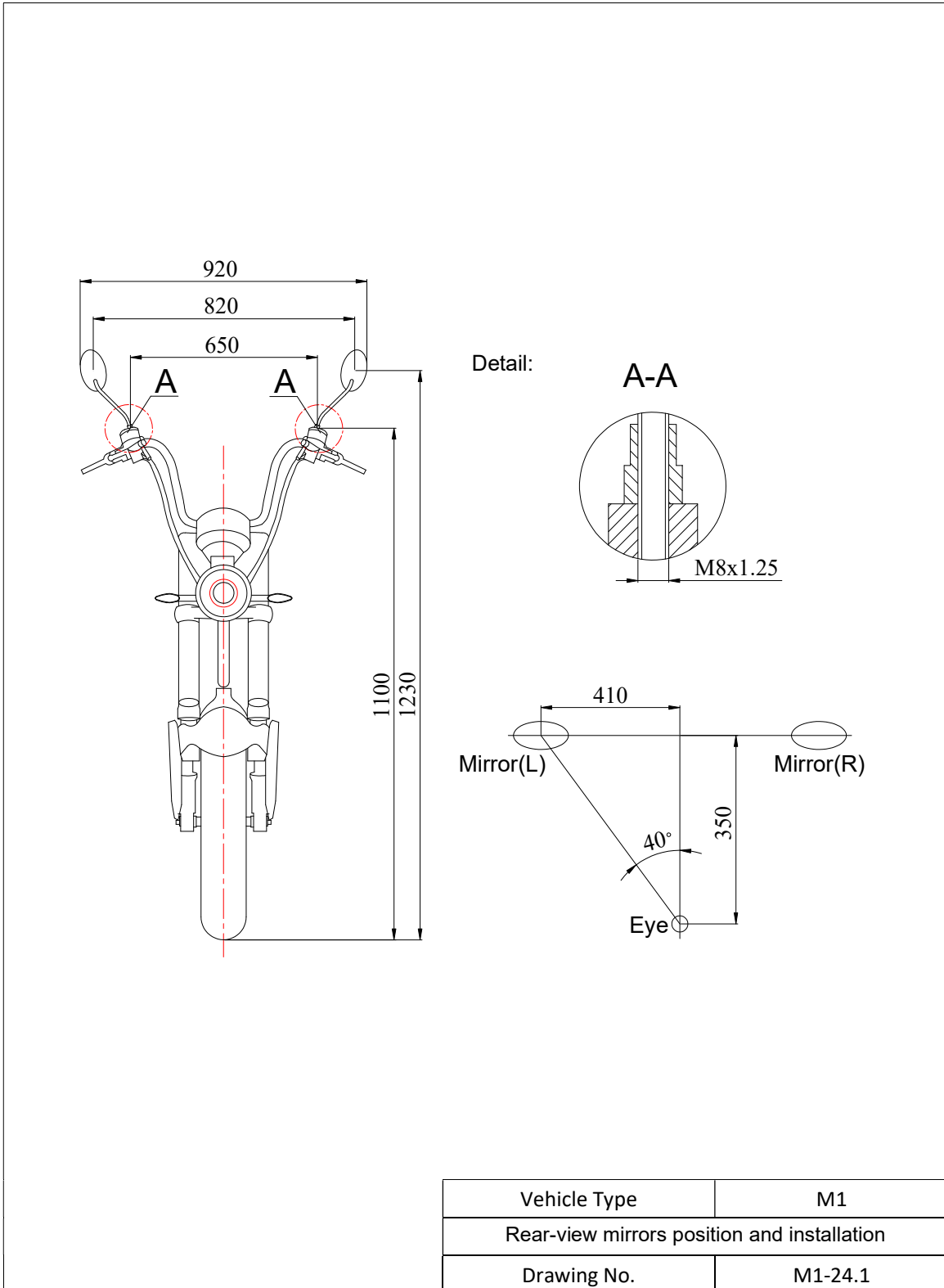


Vehicle Type	M1
Lighting installation	
Drawing No.	M1-23.2



# MANGOSTEEN TECHNOLOGY CO., LIMITED

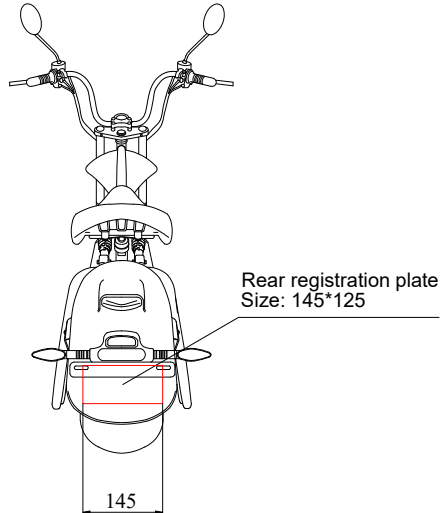
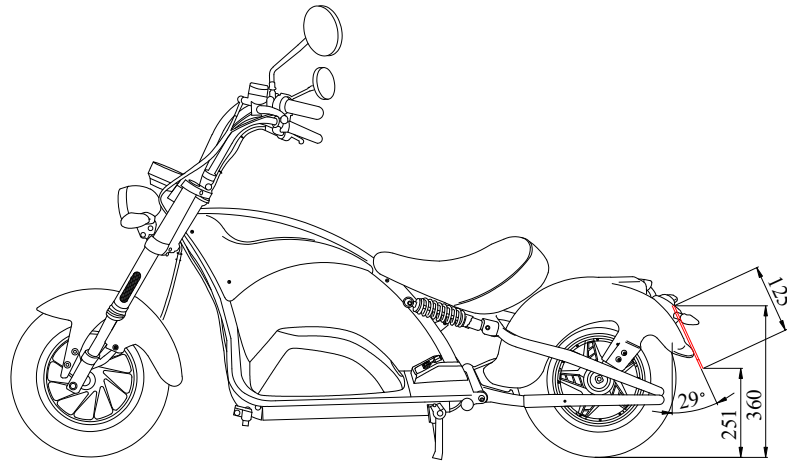
Information document No.: 168/2013-M1-03  
Application date: 10.05.2022





# MANGOSTEEN TECHNOLOGY CO., LIMITED

Information document No.: 168/2013-M1-03  
Application date: 10.05.2022



Vehicle Type	M1
Space for rear registration plate	
Drawing No.	M1-28.2



## MANGOSTEEN TECHNOLOGY CO., LIMITED

### MANUFACTURER'S STATEMENT ON ENDURANCE TESTING

(Annex V to Commission Delegated Regulation (EU) number 3/2014)  
(A duly completed version of this statement shall be included in the information folder)

The undersigned : Jian Tianxiu, General Manager

Company name and address of the manufacturer : MANGOSTEEN TECHNOLOGY CO., LIMITED  
FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING  
18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA

Name and address of the manufacturer's representative (if any) : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy

Hereby states that the vehicles:

0.1 Make (trade name of the manufacturer) : MANGOSTEEN, PCFGSL, SUNNYTIMES, ROODER, OUYE, IGOO CANSUN CITYCOCO, STROLLWHEEL, PUVITER, GAEA, Werner Krauter, Dogebos, Gtt group

0.2 Type : M1

0.2.1 Variant(s) : 00, 01, **02**

0.2.2 Version(s) : 00, **01**

0.2.3 Commercial name(s) (if available) : M1

0.3 Category, subcategory and sub-subcategory of vehicle : L1e-B


for which type-approval is sought shall withstand normal use as intended for at least 16,500 km travelled within five years of first registration, taking into account regular and scheduled maintenance and specific equipment adjustments, as described clearly and unambiguously in the instructions manual delivered with the vehicles.

The undersigned furthermore confirms that the endurance of the systems, parts and equipment critical for functional safety is ensured through appropriate testing and the use of good engineering practice.

This declaration has no bearing on any vehicle warranty.

Place : Hong Kong, China

Date : **10.05.2022**

Signature : 

Name and position in the company : Mrs. Jian Tianxiu, General Manager



## MANGOSTEEN TECHNOLOGY CO., LIMITED

### MANUFACTURER'S STATEMENT ON STRUCTURE INTEGRITY (Annex XIX to Commission Delegated Regulation (EU) number 3/2014)

The undersigned : Jian Tianxiu, General Manager

Company name and address of the manufacturer : MANGOSTEEN TECHNOLOGY CO., LIMITED  
**FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING  
18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA**

Name and address of the manufacturer's representative (if any) : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy

Hereby states that the vehicles:

- 0.1. Make (trade name of the manufacturer) : MANGOSTEEN, PCFGSL, SUNNYTIMES, ROODER, OUYE, IGOO CANSUN CITYCOCO, STROLLWHEEL, PUVITER, GAEA, Werner Krauter, Dogebos, Gtt group
- 0.2. Type : M1
- 0.2.1. Variant(s) : 00, 01, **02**
- 0.2.2. Version(s) : 00, **01**
- 0.2.3. Commercial name(s) (if available) : M1
- 0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B


shall be constructed in a proper manner and are designed to be sufficiently robust to withstand the intended use over the vehicle's lifetime, taking into account regular and scheduled maintenance and specific equipment adjustments, as described clearly and unambiguously in the instructions manual delivered with the vehicles.

The undersigned furthermore agrees to and guarantees that specific analyses of vehicle structures, components and/or parts using engineering calculations, virtual testing methods and/or structural testing shall be made available in a timely manner to the approval authority and the European Commission upon request in case of a recall due to a serious safety risk.

This declaration applies to all vehicles covered by the type-approval to which this statement is annexed and has no bearing on any vehicle warranty.

Place : Hong Kong, China

Date : **10.05.2022**

Signature : 

Name and position in the company : Mrs. Jian Tianxiu, General Manager



## MANGOSTEEN TECHNOLOGY CO., LIMITED

### MANUFACTURER'S CERTIFICATE ON ACCESS TO ~~VEHICLE OBD (STAGE I)~~ AND VEHICLE REPAIR AND MAINTENANCE INFORMATION

A duly completed version of this certificate shall be included in the information folder.

Reference number : 168/2013-M1-03

The undersigned : Jian Tianxiu, General Manager

Company name and address of the manufacturer : MANGOSTEEN TECHNOLOGY CO., LIMITED  
**FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING  
18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA**

Name and address of the manufacturer's representative (if any)<sup>(1)</sup> : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy

Hereby certifies that:  
it provides access to ~~vehicle OBD~~ and vehicle repair and maintenance information in compliance with  
- Chapter XV of Regulation (EU) number 168/2013 with respect to the types of vehicle, engine and pollution-control device listed in Addendum 1 tot this certificate.


The following derogation is applied : ~~carry-over systems~~<sup>(1)</sup>

The principal website addresses, through which the relevant information may be accessed and which are hereby certified to be in compliance with the above provisions, are listed in Addendum 2 to this certificate along with the contact details of the manufacturer's representative listed in Addendum 3 to this certificate, whose signature is below.

Where applicable: The manufacturer hereby also certifies that it has complied with the obligation in Article 57(8) of Regulation (EU) No 168/2013 to provide the relevant information for previous approvals of these vehicle types no later than six months after the date of type-approval.

Place : Hong Kong, China

Date : **10.05.2022**

Signature : 

Name and position in the company : Mrs. Jian Tianxiu, General Manager

Addenda:

1. List of the types of vehicle, engine and pollution-control device.
2. Web sites addresses.
3. Contact details.





# MANGOSTEEN TECHNOLOGY CO., LIMITED

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## ADDENDUM 1

**to manufacturer's certificate with Reference number: 168/2013-M1-03  
on access to ~~vehicle OBD (stage I)~~ and vehicle repair and maintenance information**

### List of types of vehicle:

- 0.2. Type<sup>(2)</sup> : M1
- 0.2.1. Variant(s)<sup>(2)</sup> : 00, 01, **02**
- 0.2.2. Version(s)<sup>(2)</sup> : 00, **01**
- 0.2.3. Commercial name(s) (if available) : M1
- 0.3. Category, subcategory and sub-subcategory of vehicle<sup>(3)</sup> : L1e-B
- 1. Type-approval number including extension number (if available) : e9\*168/2013\*11377\***03**
- 1.1. Type-approval issued on (date, if available) : Not applicable

### List of the types of engines:

- 3. ~~Combustion engine~~/electric motor/  
hybrid application<sup>(1)</sup> code : MGSD60VA
- 3.1. Type-approval number (if available) : Not applicable
- 3.2. Type-approval issued on (date, if available) : Not applicable

### List of the types of pollution-control devices:

- 0.7. Make(s) (trade name(s) of manufacturer) : Not applicable
- 0.8. Type : Not applicable
- 0.8.1. Commercial name(s) (if available) : Not applicable
- 0.8.2. Type-approval number including extension number (if available) : Not applicable
- 0.8.3. Type-approval issued on (date, if available) : Not applicable



## MANGOSTEEN TECHNOLOGY CO., LIMITED

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### ADDENDUM 2

**to manufacturer's certificate with Reference number: 168/2013-M1-03  
on access to ~~vehicle OBD (stage I)~~ and vehicle repair and maintenance information**

Web site addresses referred to in this certificate:

<http://www.gdmangosteem.com/>  
.....

### ADDENDUM 3

**to manufacturer's certificate with Reference number: 168/2013-M1-03  
on access to ~~vehicle OBD (stage I)~~ and vehicle repair and maintenance information**

Contact details of the manufacturer's representative referred to in this certificate:

Name: GreenKar Automotive S.r.l.

Address: Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy

Name and position in the company: LARA VAGNOZZI, representative

TEL: +39.06.3328285

e-mail: segreteria@greenkarautomotive.it; greenkar@legalmail.it



# MANGOSTEEN TECHNOLOGY CO., LIMITED

## MANUFACTURER'S DECLARATION ON POWERTRAIN TAMPERING PREVENTION MEASURES (ANTI-TAMPERING)

(Annex II to Commission Delegated Regulation (EU) number 44/2014)

1. Vehicle manufacturer's declaration on powertrain tampering prevention measures (anti-tampering):
  - Not to market interchangeable components which could enable propulsion unit performance to exceed levels applicable to the relevant (sub)category;
  - Manufacturer-facilitated modifications shall not increase the propulsion unit performance of the vehicle;
  - Modifications and interchangeability of parts and components

### Manufacturer's declaration not to market interchangeable components which could enable propulsion unit performance to exceed levels applicable to the relevant (sub) category

- 0.4. Company name and address of the 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 the manufacturer's representative (if any) : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy
- Hereby declares that the vehicles:
- 0.1. Make (trade name of the manufacturer) : MANGOSTEEN, PCFGSL, SUNNYTIMES, ROODER, OUYE, IGOO CANSUN CITYCOCO, STROLLWHEEL, PUVITER, GAEA, Werner Krauter, Dogebos, Gtt group
  - 0.2. Type : M1
  - 0.2.1. Variant(s) : 00, 01, **02**
  - 0.2.2. Version(s) : 00, **01**
  - 0.2.3. Commercial name(s) (if available) : M1
  - 0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B



## MANGOSTEEN TECHNOLOGY CO., LIMITED

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**Will not market interchangeable components which could enable propulsion unit performance to exceed levels applicable to the relevant (sub) category;**

and that

**The manufacturer-facilitated modifications of the following characteristics:**

- (a) Spark delivery of the ignition system;
- (b) ~~Fuel feed and delivery system;~~
- (c) ~~Air intake system including air filter(s) (modification or removal);~~
- (d) Propulsion battery configuration or electric power to the electric motor(s);
- (e) Drive-train;
- (f) And the control unit(s) that control(s) the propulsion unit performance of the powertrain.

**shall comply with the requirements set out in point 2.6. of Annex II to Commission Delegated Regulation (EU) No 44/2014**

Hong Kong, China  
Place

Signature

10.05.2022  
Date

Mrs. Jian Tianxiu, General Manager  
Name and position in the company



# MANGOSTEEN TECHNOLOGY CO., LIMITED

## “STATEMENT ON NONE “DEFEAT DEVICE”

The undersigned : Jian Tianxiu, General Manager

Company name and address of the manufacturer : MANGOSTEEN TECHNOLOGY CO., LIMITED  
**FLAT 01C3, 10/F CARNIVAL COMMERCIAL BUILDING  
18 JAVA ROAD, NORTH POINT, HONG KONG, CHINA**

Name and address of the manufacturer's representative (if any) : GreenKar Automotive S.r.l.  
Via di Quarto Peperino, 22 CAP 00188 - Roma, Italy

Hereby states that the vehicles:

- 0.1. Make (trade name of the manufacturer) : MANGOSTEEN, PCFGSL, SUNNYTIMES, ROODER, OUYE, IGOO CANSUN CITYCOCO, STROLLWHEEL, PUVITER, GAEA, Werner Krauter, Dogebos, Gtt group
- 0.2. Type : M1
- 0.2.1. Variant(s) : 00, 01, **02**
- 0.2.2. Version(s) : 00, **01**
- 0.2.3. Commercial name(s) (if available) : M1
- 0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B

are not using any software or device that can be considered as "defeat device" which may impact the emission performance of the vehicles.

Place : Hong Kong, China

Date : **10.05.2022**

Signature : 

Name and position in the company : Mrs. Jian Tianxiu, General Manager

Date: **10.05.2022**

Place: Hong Kong, China



## MANGOSTEEN TECHNOLOGY CO., LIMITED

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### STATEMENT CONCERNING AUTHORITY OF SIGNATURE ON COC PAPER

We, MANGOSTEEN TECHNOLOGY CO., LIMITED, declare that the undersigned, Mrs. Jian Tianxiu, the General Manager of our company, will be the authorized person to sign the COC paper of the vehicles.

Type: M1

Specification of signature of COC:

简天秀



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Mrs. Jian Tianxiu / General Manager

MANGOSTEEN TECHNOLOGY CO., LIMITED



# MANGOSTEEN TECHNOLOGY CO., LIMITED

COMPLETE VEHICLE

## EU CERTIFICATE OF CONFORMITY

The undersigned:

Mrs. Jian Tianxiu / General Manager

Hereby certifies that the following complete vehicle:

- |        |   |   |  |
|--------|---|---|--|
| 0.1.   | Make  | : | MANGOSTEEN or other see information item 0.1.  |
| 0.2.   | Type  | : | M1   |
| 0.2.1. | Variant   | : | 00   |
| 0.2.2. | Version   | : | 00   |
| 0.2.3. | Commercial name(s) (where appropriate)                                | : | M1   |
| 0.3.   | Category, subcategory and sub-subcategory of vehicle                  | : | L1e-B  |
| 0.4.   | Company name and address of manufacturer                              | : | MANGOSTEEN TECHNOLOGY CO., LIMITED<br>FLAT 01C3, 10/F CARNIVAL COMMERCIAL<br>BUILDING 18 JAVA ROAD, NORTH POINT, HONG<br>KONG, CHINA |
| 0.4.2. | Name and address of manufacturer's authorized representative (if any) | : | GreenKar Automotive S.r.l.<br>Via di Quarto Peperino, 22 CAP 00188 – Roma, Italy   |
| 0.5.1. | Location of the manufacturer's statutory plate(s)                     | : | R, x1100, y110, z160   |
| 0.5.2. | Method of attachment of the manufacturer's statutory plate(s)         | : | Riveted on the right side of main frame  |
| 0.6.   | Location of the vehicle identification number on the chassis          | : | R, x370, y20, z740   |
| 1.     | Vehicle identification number   | : | ☆R3MM10000?1?????☆   |

conforms in all respects to the type described in EU type-approval (e9\*168/2013\*11377\*03) issued on (XX.XX.XXXX) 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)

XX.XX.XXXX  
(date)

简天秀

(Signature)

iDiADA CN22070920



# MANGOSTEEN TECHNOLOGY CO., LIMITED

## VEHICLE CATEGORY L

		Axle 1:	tyre: 130/70-12, 58J or 62J or <b>56L</b> minimum load-capacity: 24 minimum speed category: B tyre pressure: 250 kPa rim: 3.50 x 12 or 12*MT2.75	Axle 2:	tyre: 215/40-12, 52M minimum load-capacity: 32 minimum speed category: B tyre pressure: 250 kPa rim: 8.00 x 12 or 12*7.5
<b>General construction characteristics</b>					
1.3.	Number of axles and wheels:	:	2		
1.3.2.	Powered axles	:	R		
6.2.4.	Advanced braking system	:	None		
<b>Main dimensions</b>					
2.2.1.	Length	:	2030 mm or 2120 mm		
2.2.2.	Width	:	850 mm		
2.2.3.	Height	:	1100 mm		
2.2.4.	Wheelbase	:	1520 mm		
<b>Masses</b>					
2.1.1.	Mass in running order	:	66 kg		
2.1.2.	Actual mass	:	149 kg		
2.1.3.	Technically permissible maximum laden mass	:	200 kg		
2.1.3.1.	Technically permissible maximum mass on front axle	:	90 kg		
2.1.3.2.	Technically permissible maximum mass on rear axle	:	110 kg		
<b>Powertrain</b>					
3.1.2.1	Manufacturer	:	Ningbo Qianjiang Motor Co., Ltd.		
3.1.2.2	Electric motor code (as marked on the engine or other means of identification)	:	MGSD60VA/???????		
3.3.3.4	15/30 minutes power	:	2.0 kW @ 420 min <sup>-1</sup>		
3.3.3.4	Electric vehicle configuration: pure electric/ hybrid electric/ manpower-electric	:	Pure electric		
<b>Maximum speed</b>					
1.8.	Maximum speed of vehicle	:	45 km/h		
<b>Drive-train and control</b>					
3.5.3.9.	Transmission (type)	:	W		
3.5.4.	Gear ratios	:	1		
3.5.4.1.	Final drive ratio	:	Not applicable		
<b>Installation of tyres</b>					
6.18.1.1.	Tyre size designation	:			
<b>Bodywork</b>					
6.16.1.	Number of seating positions	:	1		
<b>Coupling devices</b>					
7.2.8.	Type-approval number of coupling-device	:	Not applicable		
<b>Environmental performance</b>					
4.0.1.	Environmental step	:	Euro 5		
4.0.6.	Sound level measured according to Regulation (EU) No 134/2014 Annex IX including amendment Regulation (EU) 2016/1824	:			
4.0.6.1.	Stationary	:	Not applicable		
4.0.6.2.	Drive-by	:	Not applicable		
4.0.6.3.	Limit value for L <sub>urban</sub>	:	Not applicable		
3.2.15.	Exhaust emission measured according to Regulation (EU) No 134/2014 including amendment Regulation (EU) 2016/1824	:			
3.2.15.1.	Type V test: tailpipe emissions after cold start, including the deterioration factor, if applicable	:			
	CO	:	Not applicable		
	THC	:	Not applicable		
	NO <sub>x</sub>	:	Not applicable		
3.2.15.2.	Type II test: tailpipe emissions at (increased) idle and free acceleration	:			
	THC: --- ppm at normal idling speed and --- ppm at high idle speed	:			
	CO: ---% vol. at normal idling speed and ---% vol. at high idle speed	:			
<b>Energy efficiency</b>					
4.0.3.	Fuel consumption	:	26 Wh/km		
4.0.4.	CO <sub>2</sub> emissions	:	61 km		
<b>Additional information</b>					
9.1.	Remarks	:	N.A. g/km		
9.2.	Exemptions	:	N.A. g/km		





# MANGOSTEEN TECHNOLOGY CO., LIMITED

COMPLETE VEHICLE

## EU CERTIFICATE OF CONFORMITY

The undersigned:

Mrs. Jian Tianxiu / General Manager

Hereby certifies that the following complete vehicle:

- 0.1. Make : MANGOSTEEN or other see information item 0.1.
- 0.2. Type : M1
- 0.2.1. Variant : 01
- 0.2.2. Version : 00
- 0.2.3. Commercial name(s) (where appropriate) : M1
- 0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B
- 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 authorized 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) : R, x1100, y110, z160
- 0.5.2. Method of attachment of the manufacturer's statutory plate(s) : Riveted on the right side of main frame
- 0.6. Location of the vehicle identification number on the chassis : R, x370, y20, z740
- 1. Vehicle identification number : ☆R3MM10001?1??????☆

conforms in all respects to the type described in EU type-approval (e9\*168/2013\*11377\*03) issued on (XX.XX.XXXX) 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)

XX.XX.XXXX  
(date)

(Signature)

iDiADA CN22070920



# MANGOSTEEN TECHNOLOGY CO., LIMITED

## VEHICLE CATEGORY L

### General construction characteristics

1.3.	Number of axles and wheels:	:	2
1.3.2.	Powered axles	:	R
6.2.4.	Advanced braking system	:	None

### Main dimensions

2.2.1.	Length	:	2030 mm or 2120 mm
2.2.2.	Width	:	850 mm
2.2.3.	Height	:	1100 mm
2.2.4.	Wheelbase	:	1520 mm

### Masses

2.1.1.	Mass in running order	:	66 kg
2.1.2.	Actual mass	:	145 kg
2.1.3.	Technically permissible maximum laden mass	:	200 kg
2.1.3.1.	Technically permissible maximum mass on front axle	:	90 kg
2.1.3.2.	Technically permissible maximum mass on rear axle	:	110 kg

### Powertrain

3.1.2.1	Manufacturer	:	Ningbo Qianjiang Motor Co., Ltd.
3.1.2.2	Electric motor code (as marked on the engine or other means of identification)	:	MGSD60VA/??????
3.3.3.4	15/30 minutes power	:	2.0 kW @ 280 min <sup>-1</sup>
3.3.1.	Electric vehicle configuration: pure electric/ hybrid electric/ manpower-electric	:	Pure electric

### Maximum speed

1.8.	Maximum speed of vehicle	:	25 km/h
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### Drive-train and control

3.5.3.9.	Transmission (type)	:	W
3.5.4.	Gear ratios	:	1
3.5.4.1.	Final drive ratio	:	Not applicable

### Installation of tyres

6.18.1.1.	Tyre size designation	:	
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Axle 1:	tyre: 130/70-12, 58J or 62J or 56L minimum load-capacity: 24 minimum speed category: B tyre pressure: 250 kpa rim: 3.50 x 12 or 12*MT2.75	Axle 2:	tyre: 215/40-12, 52M minimum load-capacity: 32 minimum speed category: B tyre pressure: 250 kpa rim: 8.00 x 12 or 12*7.5
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### Bodywork

6.16.1.	Number of seating positions	:	1
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### Coupling devices

7.2.8.	Type-approval number of coupling-device	:	Not applicable
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### Environmental performance

4.0.1.	Environmental step	:	Euro 5
4.0.6.	Sound level measured according to Regulation (EU) No 134/2014 Annex IX including amendment Regulation (EU) 2016/1824	:	
4.0.6.1.	Stationary	:	Not applicable
4.0.6.2.	Drive-by	:	Not applicable
4.0.6.3.	Limit value for L <sub>urban</sub>	:	Not applicable
3.2.15.	Exhaust emission measured according to Regulation (EU) No 134/2014 including amendment Regulation (EU) 2016/1824	:	
3.2.15.1.	Type V test: tailpipe emissions after cold start, including the deterioration factor, if applicable	:	
	CO	:	Not applicable
	THC	:	Not applicable
	NO <sub>x</sub>	:	Not applicable
3.2.15.2.	Type II test: tailpipe emissions at (increased) idle and free acceleration	:	
	THC: --- ppm at normal idling speed and --- ppm at high idle speed	:	
	CO: ---% vol. at normal idling speed and ---% vol. at high idle speed	:	

### Energy efficiency

4.0.3.	Energy consumption	:	23 Wh/km
4.0.4.	Electric range	:	64 km

### Additional information

9.1.	Remarks	:	Not applicable
9.2.	Exemptions	:	Not applicable



# MANGOSTEEN TECHNOLOGY CO., LIMITED

COMPLETE VEHICLE

## EU CERTIFICATE OF CONFORMITY

The undersigned:

Mrs. Jian Tianxiu / General Manager

Hereby certifies that the following complete vehicle:

- 0.1. Make : MANGOSTEEN or other see information item 0.1.
- 0.2. Type : M1
- 0.2.1. Variant : 00
- 0.2.2. Version : 01
- 0.2.3. Commercial name(s) (where appropriate) : M1
- 0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B
- 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 authorized 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) : R, x1100, y110, z160
- 0.5.2. Method of attachment of the manufacturer's statutory plate(s) : Riveted on the right side of main frame
- 0.6. Location of the vehicle identification number on the chassis : R, x370, y20, z740
1. Vehicle identification number : ☆R3MM10100?1?????☆

conforms in all respects to the type described in EU type-approval (e9\*168/2013\*11377\*03) issued on (XX.XX.XXXX) 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)

XX.XX.XXXX  
(date)

简天秀

(Signature)

iDiADA CN22070920



# MANGOSTEEN TECHNOLOGY CO., LIMITED

## VEHICLE CATEGORY L

		Axle 1:	tyre: 130/70-12, 58J or 62J or <b>56L</b> minimum load-capacity: 24 minimum speed category: B tyre pressure: 250 kPa rim: 3.50 x 12 or 12*MT2.75	Axle 2:	tyre: 215/40-12, 52M minimum load-capacity: 32 minimum speed category: B tyre pressure: 250 kPa rim: 8.00 x 12 or 12*7.5
<b>General construction characteristics</b>					
1.3.	Number of axles and wheels:	:	2		
1.3.2.	Powered axles	:	R		
6.2.4.	Advanced braking system	:	None		
<b>Main dimensions</b>					
2.2.1.	Length	:	2080 mm		
2.2.2.	Width	:	920 mm		
2.2.3.	Height	:	1190 mm		
2.2.4.	Wheelbase	:	1535 mm		
<b>Masses</b>					
2.1.1.	Mass in running order	:	74 kg		
2.1.2.	Actual mass	:	157 kg		
2.1.3.	Technically permissible maximum laden mass	:	200 kg		
2.1.3.1.	Technically permissible maximum mass on front axle	:	90 kg		
2.1.3.2.	Technically permissible maximum mass on rear axle	:	110 kg		
<b>Powertrain</b>					
3.1.2.1	Manufacturer	:	Ningbo Qianjiang Motor Co., Ltd.		
3.1.2.2	Electric motor code (as marked on the engine or other means of identification)	:	MGSD60VA/???????		
3.3.3.4	15/30 minutes power	:	2.0 kW @ 420 min <sup>-1</sup>		
3.3.3.4	Electric vehicle configuration: pure electric/ hybrid electric/ manpower-electric	:	Pure electric		
<b>Maximum speed</b>					
1.8.	Maximum speed of vehicle	:	45 km/h		
<b>Drive-train and control</b>					
3.5.3.9.	Transmission (type)	:	W		
3.5.4.	Gear ratios	:	1		
3.5.4.1.	Final drive ratio	:	Not applicable		
<b>Installation of tyres</b>					
6.18.1.1.	Tyre size designation	:			
<b>Bodywork</b>					
6.16.1.	Number of seating positions	:	1		
<b>Coupling devices</b>					
7.2.8.	Type-approval number of coupling-device	:	Not applicable		
<b>Environmental performance</b>					
4.0.1.	Environmental step	:	Euro 5		
4.0.6.	Sound level measured according to Regulation (EU) No 134/2014 Annex IX including amendment Regulation (EU) 2016/1824	:			
4.0.6.1.	Stationary	:	Not applicable		
4.0.6.2.	Drive-by	:	Not applicable		
4.0.6.3.	Limit value for L <sub>urban</sub>	:	Not applicable		
3.2.15.	Exhaust emission measured according to Regulation (EU) No 134/2014 including amendment Regulation (EU) 2016/1824	:			
3.2.15.1.	Type V test: tailpipe emissions after cold start, including the deterioration factor, if applicable	:			
	CO	:	Not applicable		
	THC	:	Not applicable		
	NO <sub>x</sub>	:	Not applicable		
3.2.15.2.	Type II test: tailpipe emissions at (increased) idle and free acceleration	:			
	THC: --- ppm at normal idling speed and --- ppm at high idle speed	:			
	CO: ---% vol. at normal idling speed and ---% vol. at high idle speed	:			
<b>Energy efficiency</b>					
4.0.3.	Fuel consumption	:	26 Wh/km		
4.0.4.	CO <sub>2</sub> emissions	:	61 km		
<b>Additional information</b>					
9.1.	Remarks	:	N.A. g/km		
9.2.	Exemptions	:	N.A. g/km		



# MANGOSTEEN TECHNOLOGY CO., LIMITED

COMPLETE VEHICLE

## EU CERTIFICATE OF CONFORMITY

The undersigned:

Mrs. Jian Tianxiu / General Manager

Hereby certifies that the following complete vehicle:

- 0.1. Make : MANGOSTEEN or other see information item 0.1.
- 0.2. Type : M1
- 0.2.1. Variant : 01
- 0.2.2. Version : 01
- 0.2.3. Commercial name(s) (where appropriate) : M1
- 0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B
- 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 authorized 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) : R, x1100, y110, z160
- 0.5.2. Method of attachment of the manufacturer's statutory plate(s) : Riveted on the right side of main frame
- 0.6. Location of the vehicle identification number on the chassis : R, x370, y20, z740
- 1. Vehicle identification number : ☆R3MM10101?1?????☆

conforms in all respects to the type described in EU type-approval (e9\*168/2013\*11377\*03) issued on (XX.XX.XXXX) 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)

XX.XX.XXXX  
(date)

(Signature)

iDiADA CN22070920



## MANGOSTEEN TECHNOLOGY CO., LIMITED

<b>VEHICLE CATEGORY L</b>			Axle 1: tyre: 130/70-12, 58J or 62J or 56L minimum load-capacity: 24 minimum speed category: B tyre pressure: 250 kpa rim: 3.50 x 12 or 12*MT2.75	Axle 2: tyre: 215/40-12, 52M minimum load-capacity: 32 minimum speed category: B tyre pressure: 250 kpa rim: 8.00 x 12 or 12*7.5
<b>General construction characteristics</b>				
1.3.	Number of axles and wheels:	: 2		
1.3.2.	Powered axles	: R		
6.2.4.	Advanced braking system	: None		
<b>Main dimensions</b>				
2.2.1.	Length	: 2080 mm		
2.2.2.	Width	: 920 mm		
2.2.3.	Height	: 1190 mm		
2.2.4.	Wheelbase	: 1535 mm		
<b>Masses</b>				
2.1.1.	Mass in running order	: 74 kg		
2.1.2.	Actual mass	: 157 kg		
2.1.3.	Technically permissible maximum laden mass	: 200 kg		
2.1.3.1.	Technically permissible maximum mass on front axle	: 90 kg		
2.1.3.2.	Technically permissible maximum mass on rear axle	: 110 kg		
<b>Powertrain</b>				
3.1.2.1	Manufacturer	: Ningbo Qianjiang Motor Co., Ltd.		
3.1.2.2	Electric motor code (as marked on the engine or other means of identification)	: MGSD60VA/???????		
3.3.3.4	45/30 minutes power	: 2.0 kW @ 280 min <sup>-1</sup>		
3.3.1.	Electric vehicle configuration: pure electric/ hybrid electric/ manpower-electric	: Pure electric		
<b>Maximum speed</b>				
1.8.	Maximum speed of vehicle	: 25 km/h		
<b>Drive-train and control</b>				
3.5.3.9.	Transmission (type)	: W		
3.5.4.	Gear ratios	: 1		
3.5.4.1.	Final drive ratio	: Not applicable		
<b>Installation of tyres</b>				
6.18.1.1.	Tyre size designation			
<b>Bodywork</b>				
6.16.1.	Number of seating positions	: 1		
<b>Coupling devices</b>				
7.2.8.	Type-approval number of coupling-device	: Not applicable		
<b>Environmental performance</b>				
4.0.1.	Environmental step	: Euro 5		
4.0.6.	Sound level measured according to Regulation (EU) No 134/2014 Annex IX including amendment Regulation (EU) 2016/1824			
4.0.6.1.	Stationary	: Not applicable		
4.0.6.2.	Drive-by	: Not applicable		
4.0.6.3.	Limit value for L <sub>urban</sub>	: Not applicable		
3.2.15.	Exhaust emission measured according to Regulation (EU) No 134/2014 including amendment Regulation (EU) 2016/1824			
3.2.15.1.	Type V test: tailpipe emissions after cold start, including the deterioration factor, if applicable			
	CO	: Not applicable		
	THC	: Not applicable		
	NO <sub>x</sub>	: Not applicable		
3.2.15.2.	Type II test: tailpipe emissions at (increased) idle and free acceleration			
	THC: --- ppm at normal idling speed and --- ppm at high idle speed			
	CO: ---% vol. at normal idling speed and ---% vol. at high idle speed			
<b>Energy efficiency</b>				
4.0.3.	Energy consumption	: 23 Wh/km		
4.0.4.	Electric range	: 64 km		
<b>Additional information</b>				
9.1.	Remarks	: Not applicable		
9.2.	Exemptions	: Not applicable		



# MANGOSTEEN TECHNOLOGY CO., LIMITED

COMPLETE VEHICLE

## EU CERTIFICATE OF CONFORMITY

The undersigned:

Mrs. Jian Tianxiu / General Manager

Hereby certifies that the following complete vehicle:

- 0.1. Make : MANGOSTEEN or other see information item 0.1.
- 0.2. Type : M1
- 0.2.1. Variant : 02
- 0.2.2. Version : 01
- 0.2.3. Commercial name(s) (where appropriate) : M1
- 0.3. Category, subcategory and sub-subcategory of vehicle : L1e-B
- 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 authorized 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) : R, x1100, y110, z160
- 0.5.2. Method of attachment of the manufacturer's statutory plate(s) : Riveted on the right side of main frame
- 0.6. Location of the vehicle identification number on the chassis : R, x370, y20, z740
1. Vehicle identification number : ☆R3MM10102?1?????☆

conforms in all respects to the type described in EU type-approval (e9\*168/2013\*11377\*03) issued on (XX.XX.XXXX) 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)

XX.XX.XXXX  
(date)

  
(Signature)



# MANGOSTEEN TECHNOLOGY CO., LIMITED

<b>VEHICLE CATEGORY L</b>			Axle 1: tyre: 130/70-12, 58J or 62J or 56L minimum load-capacity: 24 minimum speed category: B tyre pressure: 250 kpa rim: 3.50 x 12 or 12*MT2.75	Axle 2: tyre: 215/40-12, 52M minimum load-capacity: 32 minimum speed category: B tyre pressure: 250 kpa rim: 8.00 x 12 or 12*7.5
<b>General construction characteristics</b>				
1.3.	Number of axles and wheels:	: 2		
1.3.2.	Powered axles	: R		
6.2.4.	Advanced braking system	: None		
<b>Main dimensions</b>				
2.2.1.	Length	: 2080 mm		
2.2.2.	Width	: 920 mm		
2.2.3.	Height	: 1190 mm		
2.2.4.	Wheelbase	: 1535 mm		
<b>Masses</b>				
2.1.1.	Mass in running order	: 74 kg		
2.1.2.	Actual mass	: 168 kg		
2.1.3.	Technically permissible maximum laden mass	: 200 kg		
2.1.3.1.	Technically permissible maximum mass on front axle	: 90 kg		
2.1.3.2.	Technically permissible maximum mass on rear axle	: 110 kg		
<b>Powertrain</b>				
3.1.2.1	Manufacturer	: Ningbo Qianjiang Motor Co., Ltd.		
3.1.2.2	Electric motor code (as marked on the engine or other means of identification)	: MGSD60VA/???????		
3.3.3.4	45/30 minutes power	: 2.0 kW @ 420 min <sup>-1</sup>		
3.3.1.	Electric vehicle configuration: pure electric/ hybrid electric/ manpower-electric	: Pure electric		
<b>Maximum speed</b>				
1.8.	Maximum speed of vehicle	: 45 km/h		
<b>Drive-train and control</b>				
3.5.3.9.	Transmission (type)	: W		
3.5.4.	Gear ratios	: 1		
3.5.4.1.	Final drive ratio	: Not applicable		
<b>Installation of tyres</b>				
6.18.1.1.	Tyre size designation			
<b>Bodywork</b>				
6.16.1.	Number of seating positions	: 1		
<b>Coupling devices</b>				
7.2.8.	Type-approval number of coupling-device	: Not applicable		
<b>Environmental performance</b>				
4.0.1.	Environmental step	: Euro 5		
4.0.6.	Sound level measured according to Regulation (EU) No 134/2014 Annex IX including amendment Regulation (EU) 2016/1824			
4.0.6.1.	Stationary	: Not applicable		
4.0.6.2.	Drive-by	: Not applicable		
4.0.6.3.	Limit value for L <sub>urban</sub>	: Not applicable		
3.2.15.	Exhaust emission measured according to Regulation (EU) No 134/2014 including amendment Regulation (EU) 2016/1824			
3.2.15.1.	Type V test: tailpipe emissions after cold start, including the deterioration factor, if applicable			
	CO	: Not applicable		
	THC	: Not applicable		
	NO <sub>x</sub>	: Not applicable		
3.2.15.2.	Type II test: tailpipe emissions at (increased) idle and free acceleration			
	THC: --- ppm at normal idling speed and --- ppm at high idle speed			
	CO: ---% vol. at normal idling speed and ---% vol. at high idle speed			
<b>Energy efficiency</b>				
4.0.3.	Energy consumption	: 28 Wh/km		
4.0.4.	Electric range	: 111 km		
<b>Additional information</b>				
9.1.	Remarks	: Not applicable		
9.2.	Exemptions	: Not applicable		