



Référence: e13*168/2013*01350*01

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Bertrange, le 19 septembre 2023

FICHE DE RÉCEPTION UE PAR TYPE D'UN VÉHICULE ENTIER EU WHOLE-VEHICLE TYPE-APPROVAL CERTIFICATE

Communication concernant:

Communication concerning:

- ~~la réception UE par type d'un véhicule entier~~
EU whole-vehicle type-approval
- l'extension de la réception UE par type d'un véhicule entier
extension of EU whole-vehicle type-approval
- ~~le refus de la réception UE par type d'un véhicule entier~~
refusal of EU whole-vehicle type-approval
- ~~le retrait de la réception UE par type d'un véhicule entier~~
withdrawal of EU whole-vehicle type-approval

pour un type de véhicule complet
of a complete vehicle type

**en vertu du règlement (UE) N° 168/2013,
modifié en dernier lieu par le règlement (délégué de la Commission) (UE) N° 2020/1694
complété par les règlements (UE) N° 3/2014, N° 44/2014 et N° 134/2014 modifiés en dernier lieu
par le règlement (UE) N° 2018/295**

with regard to Regulation (EU) N° 168/2013, as last amended by (Commission Delegated) Regulation (EU) N° 2020/1694
supplemented by regulations (EU) N° 3/2014, N° 44/2014 and N° 134/2014 as last amended by regulation (EU) N° 2018/295

Numéro de réception UE par type:

EU type-approval number:

e13*168/2013*01350*01

Raison de l'extension:

Reason for extension:

refer to Annex II of inspection report

SECTION I

SECTION I

0.1.	Marque (dénomination commerciale du constructeur): Make (trade name of manufacturer):	SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI
0.2.	Type: Type:	CP-4
0.2.1.	Variante(s): Variant(s):	00
0.2.2.	Version(s): Version(s):	0
0.2.3.	Appellation(s) commerciale(s) (le cas échéant): Commercial name(s) (if available):	electric scooter
0.3.	Catégorie, sous-catégorie et sous-sous-catégorie du véhicule: Category, subcategory and sub-subcategory of vehicle:	L1e-B
0.4.	Raison sociale et adresse du constructeur du véhicule complet: Company name and address of manufacturer of the complete vehicle:	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET MONG KOK, KOWLOON, HONG KONG
0.4.1.	Nom(s) et adresse(s) de(s) usines d'assemblage: Name(s) and adresse(s) of assembly plant(s):	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED Gangtou Industrial Functional Area, Lutan Town, Wuyi County, Jinhua City, Zhejiang Province, P.R. China
0.4.2.	Nom et adresse du mandataire du constructeur (le cas échéant): Name and address of manufacturer's authorised representative, if any:	MINIMOTOS SPORT, S.L. C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLENTE, ALICANTE, SPAIN

SECTION II

SECTION II

1.	Service technique responsable de la réalisation des essais: Technical service responsible for carrying out the tests:	<u>Cetoc Technical Service s.r.l.</u> <u>Via della Bufalotta, 374</u> <u>I-00139 – Roma</u>
2.	Date du rapport d'essais: Date of test report:	20.07.2023
3.	Numéro du rapport d'essais: Number of test report:	CN-118-2-135-WHO23-07046-IR

SECTION III
SECTION III

Le soussigné certifie l'exactitude de la description, faite par le constructeur dans la fiche de renseignements jointe, du type de véhicule décrit ci-dessus, dont un ou plusieurs échantillons représentatifs, sélectionnés par l'autorité compétente en matière de réception UE par type, ont été présentés en tant que prototypes du type de véhicule, et que les résultats d'essais joints s'appliquent au type de véhicule.

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.

- | | | |
|--------|---|--|
| 1. | <p>Le type de véhicule complet satisfait/
ne satisfait pas à l'ensemble des prescriptions pertinentes énumérées dans l'annexe II du règlement (UE) N° 168/2013.
The complete vehicle type meets/does not meet all relevant requirements as listed in Annex II to Regulation (EU) N° 168/2013</p> | The complete vehicle type meets all relevant requirements as listed in Annex II to Regulation (EU) N° 168/2013 |
| 1.1. | <p>Restrictions de validité:
Restrictions of validity:</p> | not applicable |
| 1.2. | <p>Dérogations accordées:
Waivers applied:</p> | not applicable |
| 1.2.1. | <p>Raisons des dérogations:
Reasons for the waivers:</p> | not applicable |
| 1.2.2. | <p>Autres exigences applicables:
Alternative requirements:</p> | not applicable |
| 2. | <p>La réception est accordée/étendue/refusée/retirée:
The approval is granted/extended/refused/withdrawn</p> | the approval is extended |
| 2.1. | <p>La réception est accordée conformément à l'article 40 du règlement (UE) no 168/2013 et sa validité expire, par conséquent, le jj/mm/aaaa.
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/yyyy.</p> | not applicable |

Lieu:

Place:

Bertrange

Date:

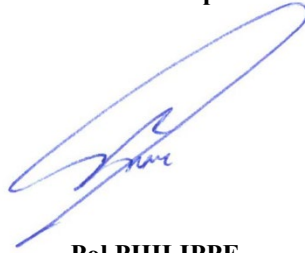
Date:

19 septembre 2023

Signature:


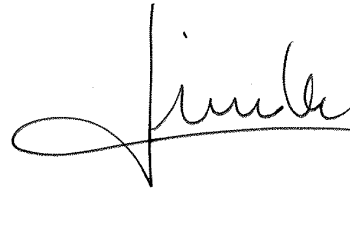
Signature:

**Pour le Ministre de la Mobilité
et des Travaux publics**



Pol PHILIPPE
Attaché

Pour la SNCH



Laurent LINDEN
Directeur opérationnel



Pièces jointes:

Attachments:

- **Dossier de réception**
Information package
- **Résultats d'essai**
Test results
- **Nom(s) et spécimen(s) de signature de la ou des personnes autorisées à signer les certificats de conformité et indication de leurs fonctions dans la société**
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
- **Spécimen complété du certificat de conformité**
A completed specimen of the certificate of conformity

NB:

NB:

not applicable

Addendum à la fiche de réception UE par type
Addendum to the EU type-approval certificate

Liste des actes réglementaires aux prescriptions desquels le type de véhicule satisfait
List of regulatory acts with which the type of vehicle complies

refer to Appendix 3 - Page 6 to 8 of inspection report N° CN-118-2-135-WHO23-07046-IR



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Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Bertrange, le 19 septembre 2023

Index du dossier de réception

Index to type-approval report

	Numéro de réception UE par type: EU type-approval number:	e13*168/2013*01350*01
	Révision: Revision:	00
	Marque de fabrique ou de commerce: Trade name or mark:	SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI
	Type: Type:	CP-4
1.	Procès-verbal d'essai: Test report:	N° CN-118-2-135-WHO23-07046-IR
	- Cover sheet:	Page 1;
	- Test report history:	Appendix 1 - Page 2;
	- Vehicle specification:	Appendix 2.1 - Page 3 & 4; Appendix 2.2 - Page 5;
	- Addendum to EU type-approval:	Appendix 3 - Page 6 to 28.
2.	Dossier du constructeur: Report of the manufacturer:	N° CP-4-01
	- Manufacturer's Information folder:	Page <u>1 to 85</u> .
3.	Autres documents annexés: Other documents annexed:	not applicable
4.	Date de délivrance de la réception initiale: Date of issue of initial type approval:	23.02.2022
5.	Date de la dernière délivrance de pages révisées: Date of last issue of revised pages:	not applicable
6.	Date de la dernière délivrance d'une réception révisée: Date of last extension:	19.09.2023



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Mobilité
et des Travaux publics

Département de la mobilité
et des transports

SOCIÉTÉ NATIONALE DE
CERTIFICATION ET D'HOMOLOGATION
S.A.

Registre de Commerce: B 27180



L-8070 Bertrange

Référence: e13*168/2013*01350*01

Annexes: - Rapport Technique
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Bertrange, le 19 septembre 2023

Annexe VIII
Annex VIII

Fiche des résultats d'essais
Test results sheet

refer to Appendix 3 - Page 6 to 28 of inspection report N° CN-118-2-135-WHO23-07046-IR



CETOC TS

CETOC Technical Service srl
Via della Bufalotta, 374,
00139 Roma

Inspection Report Nr.: CN-118-2-135-WHO23-07046-IR
Manufacturer: ZHEJIANG YIXING INDUSTRY AND TRADE
LIMITED
Type: CP-4

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ISP N° 0184 E

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

e13*168/2013*01350*01

Société Nationale de Certification et d'Homologation

Approval and Market Surveillance of Two or Three Wheel Vehicles and Quadricycles

0. Legislation:

- 0.1. Requirements according to : Reg. (EU) 168/2013 amended by Reg. (EU) 134/2014, Reg. (EU) 2019/129, Reg. (EU) 2020/1694.
Including Delegated act (EU) 3/2014 amended (EU) 2016/1824
Including Delegated act (EU) 44/2014 amended (EU) 2018/295
Including Delegated act (EU) 134/2014 amended (EU) 2018/295
Including Delegated act (EU) 901/2014 amended (EU) 2020/239

1. General



- 1.1. Reason for Inspection Report : ~~New approval~~ / Extension of approval / ~~Test report only~~ / COP
1.2. Manufacturer's Representative(s) : Qiang Wu
1.3. CETOC TS Representative(s) : Will Xu
1.4. Location of Test : See annexes
1.5. Data of test : See annexes

2. Manufacturer Details

- 2.1. Make : SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI
2.2. Type : CP-4
2.3. Variant/Version : Variant 00 / Version(s) 0
2.4. Commercial Name : electric scooter
2.5. Category : L1e-B
2.6. Name and Address of manufacturer : ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET MONG KOK, KOWLOON, HONG KONG

3. Conclusion:

- 3.1. Final conclusion of the inspection: The above mentioned type was tested in accordance with the above mentioned legislation and was found to comply in all respects. This Inspection report relates only to the items tested.

Signature:	: 	
Name:	: Will Xu	Massimo Peraboni
Position:	: Type Approval Engineer	Technical Manager
Place and date:	: Hangzhou, 20 July 2023	Roma, 20 July 2023

4. List of annexes:

- Appendix 1 : Test report history
Appendix 2.1 : Vehicle specification of tested if equipped with combustion engine.
Appendix 2.2 : Vehicle specification of tested vehicle if equipped with electric motor.
Appendix 3 : Addendum to the EU type approval certificate



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00139 Roma

e13*168/2013*01350*01

Société Nationale de Certification et d'Homologation

Inspection Report Nr.: CN-118-2-135-WHO23-07046-IR
Manufacturer: ZHEJIANG YIXING INDUSTRY AND TRADE
LIMITED
Type: CP-4

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APPENDIX 1 - TEST REPORT HISTORY

List this report and previous reports, with extension details.

Inspection Report Number	Reason for Extension	Date of Issue
CN7YX0-AL-00002-00C00	First application	23.02.2022
<u>CN-118-2-135-WHO23-07046-IR</u>	<p><u>Extension 01</u> <u>To change technical service</u></p> <p><u>to be added:</u> - <u>two new Back fork (option 2 & option 3)</u> - <u>new Battery holder (option 2)</u> - <u>new Driving Beam Headlamp, Passing Beam Headlamp and Front Position Lamp (option 2)</u> - <u>two new front tyres (option 2 & option 3)</u></p> <p><u>to be updated:</u> - <u>the Type-approval numbers and Test Reports overview</u> - <u>the EU certificate of conformity</u></p>	<u>20.07.2023</u>



CETOC TS

CETOC Technical Service srl
Via della Bufalotta, 374,
00139 Roma

Inspection Report Nr.: CN-118-2-135-WHO23-07046-IR
Manufacturer: ZHEJIANG YIXING INDUSTRY AND TRADE
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APPENDIX 2.1 – VEHICLE SPECIFICATION OF TESTED VEHICLE IF EQUIPPED WITH COMBUSTION ENGINE

Not applicable for Pure Electric Moped

Not applicable	1.1.	Variant/Version	:	
	1.2.	Vehicle Identification Number	:	
	1.3.	Engine Type	:	
	1.3.1.	Engine family	:	
	1.4.	Engine Capacity (cm3)	:	
	1.5.	No. of Cylinders	:	
	1.6.	Engine Layout	:	
	1.7.	Engine Cooling	:	
	1.8.	Reference Fuels	:	
	1.9.	Fuel Tank	:	
	1.10.	Canister	:	
	1.11.	Fuel Feed	:	
	1.12.	Spark Plug	:	
	1.13.	Intake System	:	
	1.14.	Exhaust System	:	
	1.14.1.	Lambda Sensor	:	
	1.14.2.	Secondary Air	:	
	1.14.3.	Catalyst	:	
	1.15.	ECU	:	
	1.16.	OBD	:	
	1.17.	Maximum Power (kW)	:	
	1.18.	Maximum Torque(Nm)	:	
	1.19.	Idle Speed	:	
	1.20.	Transmission	:	
	1.20.1.	Primary	:	
	1.20.2.	Secondary	:	
	1.20.3.	Final	:	
	1.21.	Actual mass (kg)	:	
1.22.	Inertial Mass (kg)	:		
1.23.	Vehicle Length:	:		
1.24.	Maximum Design Speed	:		
1.25.	PMR	:		
1.26.	aWot,ref	:		
1.27.	aUrban	:		
1.28.	Reference Length (IRef)	:		



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--- Not applicable ---	1.29	Gear Weighting Factor (K)	:	
	1.30	Partial Power Factor (Kp)	:	
	1.31	Tyre	:	
	1.31.1	Dimension	:	
	1.31.2	Pressure (kPa)	:	
	1.31.3	Rolling Circ. (mm)	:	



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APPENDIX 2.2 – VEHICLE SPECIFICATION OF TESTED VEHICLE IF EQUIPPED WITH ELECTRIC MOTOR

1.1. Variant/Version

1.2.	Vehicle Identification Number	:	☆R68CP4000PA000001☆
1.3.	Type of propulsion	:	Pure Electric
1.4.	Electric motor code	:	☆SS60V12C/?????????☆
1.5.	Electric motor layout	:	Mid motor, driven rear axle by chain
1.6.	Electric motor cooling	:	Air cooling
1.7.	ECU Electric motor control unit	:	SS12-60V-YTC
1.8.	OBD	:	Not applicable

1.9. Propulsion battery

1.9.1.	Kind of electrochemical couple	:	Lithium battery
1.9.2.	Battery voltage	:	60 V
1.9.3.	Battery capacity	:	20 Ah
1.10.	Charger	:	HLT-180-6722000
1.11.	Maximum continuous-rated power electric motor (45/30 minutes power)	:	3.0 kW at 400 min ⁻¹
1.12.	Maximum continuous-rated torque electric motor	:	71.0 Nm at 400 min ⁻¹

1.13. Transmission

1.13.1	Internal ratio / primary ratio / secondary ratio	:	1
1.13.2	Final	:	1
1.14.	Actual mass (kg)	:	143
1.14.1	Inertial Mass (kg)	:	140
1.15.	Maximum Design Speed:	:	45 km/h

1.16. tyres

	Front/Rear Tyre	:	Front: option1: 130/60-13 M/C/ option2: 130/70-12 62J/ option3: 110/70-17 M/C Rear: 215/40-12
1.16.1.	Dimension	:	Front: option1: 280 kPa option2: 280 kPa option3: 250 kPa Rear: 250 kPa
1.16.2.	Pressure (kPa)	:	Front: option1: 1530 option2: 1560 option3: 1837 Rear: 1450
1.16.2.	Rolling Circ. (mm)	:	Front: option1: 1530 option2: 1560 option3: 1837 Rear: 1450



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APPENDIX 3 - ADDENDUM TO THE EU TYPE- APPROVAL CERTIFICATE

A. ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE REQUIREMENTS (EPPR)

Nr.	Subject	Commission Delegated Regulation (EU) No Including last amendment	PASS	FAIL	N/A	COVER BY PREVIOUS EXTENSION
A1.	Tailpipe emissions after cold start	134/2014 Annex II (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Tailpipe emissions at (increased) idle/ free acceleration	134/2014 Annex III (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Durability of pollution- control devices	134/2014 Annex VI (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	CO ₂ emissions, fuel consumption, electric energy consumption and electric range	134/2014 Annex VII (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
A2	Emissions crankcase gases	134/2014 Annex IV (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A3	Evaporative emissions	134/2014 Annex V (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A4	OBD Environmental tests	134/2014 Annex VIII (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A5	Sound level	134/2014 Annex IX (EU) 2018/295 UNECE R41.04	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A6	Procedures and technical requirements on maximum vehicle design speed, maximum torque, maximum continuous total power and maximum peak power	134/2014 Annex X (EU) 2018/295 UNECE R85.00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
A7	Vehicle propulsion family definition	134/2014 Annex XI (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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B. VEHICLE FUNCTIONAL SAFETY REQUIREMENTS (VFSR)

Nr.	Subject	Commission Delegated Regulation (EU) No including last amendment	PASS	FAIL	N/A	COVER BY PREVIOUS EXTENSION
B1	Audible warning devices	3/2014 Annex II 2016/1824 UNECE R28.00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B2	Braking, including anti- lock and combined brake systems	3/2014 Annex III 2016/1824 UNECE R78.04	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B3	Electrical safety	3/2014 Annex IV 2016/1824 UNECE R100.02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B4	Endurance Testing of Functional Safety Critical Systems, Parts and Equipment	3/2014 Annex V 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B5	Front and rear protective structures	3/2014 Annex VI 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B6	Glazing, windscreen wipers and washers, and defrosting and demisting systems	3/2014 Annex VII 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B7	Driver-operated controls including identification of controls, tell-tales and indicators	3/2014 Annex VIII 2016/1824 UNECE R60.00 UNECE R39.01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B8	Installation of lighting and light- signalling devices, including automatic switching of lighting	3/2014 Annex IX 2016/1824 UNECE R53.03 (Motorcycle)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B9	Rearward visibility	3/2014 Annex X 2016/1824 UNECE R81.00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B10	Rollover protective structure (ROPS)	3/2014 Annex XI 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B11	Safety-belt anchorages and safety- belts	3/2014 Annex XII 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B12	Seating positions (saddles and seats)	3/2014 Annex XIII 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B13	Steer-ability, cornering properties and turn- ability	3/2014 Annex XIV 2016/1824	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B14	Installation of tyres	3/2014 Annex XV 2016/1824 UNECE R75.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B15	Vehicle maximum speed limitation plate and its location on the vehicle	3/2014 Annex XVI 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B16	Vehicle occupant protection, including interior fittings and vehicle doors	3/2014 Annex XVII 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B17	Maximum continuous total power and/or maximum vehicle speed limitation by design	3/2014 Annex XVIII 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B18	Vehicle structure integrity	3/2014 Annex XIX 2016/1824	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Nr.	Subject	Commission Delegated Regulation (EU) No including last amendment	PASS	FAIL	N/A	COVER BY PREVIOUS EXTENSION
C1	Powertrain tampering prevention (anti-tampering) measures	44/2014 Annex II (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C2	Arrangements for type-approval	44/2014 Annex III (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C3	Conformity of production (CoP)	44/2014 Annex IV (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C4	Coupling devices and attachments	44/2014 Annex V (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C5	Devices to prevent unauthorised use	44/2014 Annex VI (EU) 2018/295 UNECE R62.01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C6	Electromagnetic compatibility (EMC)	44/2014 Annex VII (EU) 2018/295 UNECE R10.06	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C7	External projections	44/2014 Annex VIII (EU) 2018/295	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C8	Fuel storage	44/2014 Annex IX (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C9	Load platforms	44/2014 Annex X (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C10	Masses and dimensions	44/2014 Annex XI (EU) 2018/295	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C11	Functional on-board diagnostics (OBD)	44/2014 Annex XII (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C12	Passenger handholds and footrests	44/2014 Annex XIII (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C13	Registration plate space	44/2014 Annex XIV (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C14	Access to repair and maintenance information	44/2014 Annex XV (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C15	Stands	44/2014 Annex XVI (EU) 2018/295	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

D. VEHICLE CONSTRUCTION AND GENERAL TYPE-APPROVAL REQUIREMENTS (VCR)

Nr.	Subject	Commission Delegated Regulation (EU) No including last amendment	PASS	FAIL	N/A	COVER BY PREVIOUS EXTENSION
D1	Statutory plate	901/2014 Annex V (EU) 2020/239	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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APPENDIX 3– A6

Testing Procedures and Technical Requirements as Regards Propulsion Unit Performance

0. Main Requirements :

0.1. Requirements according to

: Reg. (EU) 134/2014, Annex X
Including amendment (EU) 2018/295
UNECE R85.00 Supplement 10

Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – A7

Vehicle propulsion family with regard to environmental performance demonstration tests

0. Main Requirements :

0.1. Requirements according to

: Reg. (EU) 134/2014, Annex XI
Including amendment (EU) 2018/295

1. Witness details :

1.1. Witness

: Not applicable

1.2. Location of Test

: Not applicable

1.3. Date of Test

: Not applicable

1.4. Worst Case Rationale

: Not applicable

APPENDIX 3 – B1

Audible Warning Devices

0. Main Requirements

0.1. Requirements according to

: Reg. (EU) 3/2014 Annex II
Including amendment (EU) 2016/1824
UNECE 28.00 Supplement 6

: Refer to CN7YX0-AL-00002-00C00



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APPENDIX 3 – B2

Braking, including anti- lock and combined brake systems

0. Main Requirements

0.1. Requirements according to : Reg. (EU) 3/2014 Annex III
Including amendment (EU) 2016/1824
UNECE 78.04 Supplement 1

1. Witness details

1.1. Witness : Will Xu
1.2. Location of Test : Zhejiang Labs Vehicle Testing Co., Ltd.
No.5 Shengyi Road, Yiqiao Industrial Zone, Yuhang
Street, Yuhang District, Hangzhou, Zhejiang Province,
PEOPLE'S REPUBLIC OF CHINA
1.3. Date of Test : 2023/7/12

1.4. Worst Case Rationale : Front tyre option 3/ back fork option 3 be tested,
Other options refer to CN7YX0-AL-00002-00C00

1.5. Tested vehicle : ☆R68CP4000PA000001☆

3. Facility and Equipment Checks

3.1. Calibration certificates checked and valid : Conform
3.2. All instruments are equipped with identification label : Yes
3.3. Calibration certificates are complete of calibration-chain with detailed information regarding primary used. : Yes

Equipment	Serial / Certificate No.	Calibration due
GPS road tester	046533/37XJ23051051-0029	09.05.2024
Food Force sensor	1610040002/37XJ23051051-0002	09.05.2024
Hand force sensor	1610040002/37XJ23051051-0003	09.05.2024
Barometer	PHB-318/37XJ23051051-0005	09.05.2024
Aerovane	22022200T0897/37XJ23051051-0001	09.05.2024



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4. Summary of test results

4.1. Applicability :

	PASS	FAIL	N/A	COVERED PREVIOUS EXTENSION	See approval/Report Nr.
Dry Stops - Single Brake Control Actuated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dry Stop - All Service Brake Controls Actuated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
High Speed Stop	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Wet Brake Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Heat Fade Test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hot Brake Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Determination of Peak Braking Coefficient (PBC)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Stops on a High Friction Surface	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Stops on a Low Friction Surface	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Wheel lock checks on high and low friction surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Wheel lock checks high to low friction surface transition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Wheel lock checks low to high friction surface transition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Stops With an ABS Electrical Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

5. Vehicle Details:

5.0.1. Mass of the vehicle

	MRO + Rider	Laden
Front Axle (kg) :	42	50
Rear Axle (kg) :	101	123
Total (kg) :	143	173

Braking system :

	Front	Rear
5.0.2. No of discs/drums and diameters (mm):	One ventilated disc Diameter=220 mm	One ventilated disc Diameter=160 mm
5.0.3. Linings (Manufacturer and material):	Wenzhou Anjie Automobile Distribution Co., Ltd./RL8031A	Wenzhou Anjie Automobile Distribution Co., Ltd./RL8031A
5.0.4. Hand or foot operated:	Right hand	Left hand
5.0.5. Lever ratio:	160: 25= 6.4	160: 25= 6.4
5.0.6. Brake calliper	Wheel cylinder 2×Ø26	Wheel cylinder 2×Ø22
5.0.7. Brake pump	Master cylinder Ø10.0	Master cylinder Ø10.0
5.0.8. Front/rear, CBS or split system:	Front / rear	



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- 5.0.9 Brake distribution valve: Not applicable
- 5.0.10 Power assistance: Not applicable
- 4.0.11 ABS (controlled wheels, calibration): Not applicable

5.1 Dry Stops - Single Brake Control Actuated

- 5.1.1 Performed laden, engine disconnected : Conform
- 5.1.2 Vehicles with CBS and split service brakes: also perform test lightly loaded : Not applicable
- 5.1.3 Initial brake temperature: $\geq 55^{\circ}\text{C}$ and $\leq 100^{\circ}\text{C}$: Conform
- 5.1.4 Each service brake control is operated separately : Conform

Loaded conditions, engine disconnected

Brake System	Nominal Speed (km/h)	Actual Speed (km/h)	Actual Distance (m)	Corrected Distance (m)	MFDD (m/s ²)	Control Force (N)
Front	40	39.99	16.75	16.76	4.16	162.10
Rear	40	40.02	17.30	17.28	3.78	80.72
Limits (L1): Front				21,76	$L1 \geq 3.4$	≤ 200
Limits (L1): Rear				26,88	$L1 \geq 2.7$	≤ 200

5.2 Dry Stop - All Service Brake Controls Actuated

- 5.2.1 Performed lightly loaded, engine disconnected : Not applicable
- 5.2.2 Initial brake temperature: $\geq 55^{\circ}\text{C}$ and $\leq 100^{\circ}\text{C}$: Not applicable
- 5.2.3 Simultaneous actuation of both service brake controls if so equipped or the single service brake system control for a service brake that operates on all wheels : Not applicable
- 5.2.4 Must achieve specified performance with no more than 6 stops : Not applicable

Brake System	Nominal Speed (km/h)	Actual Speed (km/h)	Actual Distance (m)	Corrected Distance (m)	Front Control Force (N)	Rear Control Force (N)
All brakes	-	--	--	--	--	--
Limits (L3):				60,00	≤ 250	≤ 400



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5.3	High Speed Stop		
5.3.1	Performed lightly loaded, engine connected with transmission in highest gear	:	Not applicable
5.3.2	Initial brake temperature: $\geq 55^{\circ}\text{C}$ and $\leq 100^{\circ}\text{C}$:	Not applicable
5.3.3	Simultaneous actuation of both service brake controls if so equipped or the single service brake system control for a service brake that operates on all wheels	:	Not applicable
5.3.4	Must achieve specified performance with no more than 6 stops	:	Not applicable

Brake System	Nominal Speed (km/h)	Actual Speed (km/h)	Actual Distance (m)	Corrected Distance (m)	MFDD (m/s ²)	Front Control Force (N)	Rear Control Force (N)
All brakes	-	-	-	-	-	-	-
Limits (L3):						≤ 200	≤ 350

5.4	Wet Brake Test		
5.4.1	Each service brake control is tested separately	:	Conform
5.4.2	Performed laden, engine disconnected	:	Conform
5.4.3	Vehicles with CBS and split service brakes: also perform test lightly loaded	:	Not applicable
4.4.4	Run baseline test to achieve 2.5 - 3.0 m/s ² :	:	Conform

Loaded conditions, engine disconnected

Baseline Tests	Nominal Speed (km/h)	Actual Speed (km/h)	Average Decel 0.5 - 1.0 s (m/s ²)	Highest Decel (m/s ²)	Av Control Force (N)
Front	40	39.85	2.76	3.34	53.49
	40	40.70	2.77	3.88	74.73
	40	40.05	2.81	3.86	79.47
Average:			2.78	3.69	69.23

Baseline Tests	Nominal Speed (km/h)	Actual Speed (km/h)	Average Decel 0.5 - 1.0 s (m/s ²)	Highest Decel (m/s ²)	Av Control Force (N)
Rear	40	39.37	2.58	3.84	104.06
	40	40.60	2.53	4.02	124.72
	40	40.88	2.75	4.52	131.93
Average:			2.62	4.13	120.23



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- 5.4.5 Ride the vehicle with water delivery for ≥ 500 m : Not applicable
- 5.4.6 Make a stop using the average control force from the baseline test : Conform

Wet Tests	Nominal Speed (km/h)	Actual Speed (km/h)	Average Decel 0.5 - 1.0 s (m/s ²)	Highest Decel (m/s ²)	Av Control Force (N)
Front	40	39.48	1.78	3.29	65.25
Rear	40	38.86	2.33	4.74	116.09
Limits: Front			≥ 1.67	≤ 4.43	69.23
Limits: Rear			≥ 1.57	≤ 4.95	120.23

5.5 **Heat Fade Test** Not applicable

5.6 **ABS TEST REQUIREMENTS** Not applicable



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APPENDIX 3 – B3

Electrical Safety

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 3/2014 Annex VI
Including amendment (EU) 2016/1824
UNECE R100.02 Supplement 4
 - : Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – B4

Endurance Testing of Functional Safety Critical Systems, Parts and Equipment

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 3/2014 Annex V
Including amendment (EU) 2016/1824
 - : Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – B7

Driver-operated controls including identification of controls, tell-tales and indicators

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 3/2014 Annex VIII
Including amendment (EU) 2016/1824
UNECE R60.00 Supplement 5
UNECE R39.01 Supplement 1
 - : Refer to CN7YX0-AL-00002-00C00



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APPENDIX 3 - B8

Installation of lighting and light- signalling devices, including automatic switching of lighting

0. Main Requirements	:	
0.1. Requirements according to	:	Reg. (EU) 3/2014 Annex IX Including amendment (EU) 2016/1824 UNECE 74.01 Supplement 9 (Moped)
1. Witness details	:	
1.1. Witness	:	Will Xu
1.2. Location of Test	:	Zhejiang Labs Vehicle Testing Co., Ltd. No.5 Shengyi Road, Yiqiao Industrial Zone, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA
1.3. Date of Test	:	2023/6/8
1.4. Worst Case Rationale	:	Driving Beam Headlamp & Passing Beam Headlamp & Front Position Lamp option 2 be tested, Other options refer to CN7YX0-AL-00002-00C00.
2. Facility and Equipment Checks	:	
2.1 Calibration certificates checked and valid, recorded in the following table	:	Yes
2.2 All instruments are equipped with identification label	:	Conform
2.3 Calibration certificates are complete of calibration-chain with detailed information regarding primary used.	:	Conform

Equipment	Serial / Certificate No.	Calibration due
Tape	665702/37XJ23051051-0008	09.05.2024
Tape	665703/37XJ23051051-0009	09.05.2024

Requirement	Vehicle and lamps are as specified in documentation	All lamps and reflectors securely mounted	Not likely to become obscured or misaligned	Headlamp can be easily adjusted	All pairs of lamps are symmetrically mounted	All pairs of lamps appear to be the same colour and brightness	No red light visible to the front and no white light visible to the rear
All lamps comply	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Specifications of Individual Lamps					
Requirement	Any specific mounting recommendations have been complied with	All lamps and reflectors (except head, front fog and reversing lamps) have reference axis $\pm 3^\circ$ parallel to the ground and to the longitudinal plane	All side reflectors have their reference axis $\pm 3^\circ$ perpendicular to the longitudinal median plane	All the requirements of sub-paragraphs (6.1) to (6.12) are complied with as appropriate to the motorcycle category	Dipped (passing) headlamp – possible to re-set alignment using normal screws
All lamps comply	Yes	Yes	Yes	Yes	Yes



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3. Test results

3.1	Lighting and light-signalling devices	:	Conform
3.2	Devices fitted	:	Conform
3.3	Grouping and electrical connections	:	Conform

Component Approval Mark Details

Main beam head lamp Dip beam head lamp(option1)	E57*113R02/00*0031*00
Main beam head lamp Dip beam head lamp(option2)	E4*113R02/00*27489*00
Front position lamp(option1)	E57*50R00/20*0031*00
Front position lamp(option2)	E4*50R00/20*27489*00
Front direction indicators(option1)	E4*50R00/19*2854*00
Front direction indicators(option2)	E4*50R01/00*3107*00
Front fog lamps	Not applicable
Day time running lamp(s)	Not applicable
Rear direction indicators(option1)	E4*50R00/19*2854*00
Rear direction indicators(option2)	E4*50R01/00*3107*00
Rear position lamp Rear stop lamp(option1)	E4*50R00/19*26277*00
Rear position lamp Rear stop lamp(option2)	E4*50R01/00*3108*00
Licence plate lamp(option1)	E4*50R00/19*26277*00
Licence plate lamp(option2)	E4*50R01/00*3108*00
Rear fog lamp	Not applicable
Rear reflector(option1)	E4-3R-023257
Rear reflector(option2)	E4-3R-023712
Side reflectors(option1)	E4-3R-023256
Side reflectors(option2)	E4-3R-023298



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APPENDIX 3 - B9 Rearward visibility

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 3/2014 Annex X
 - Including amendment (EU) 2016/1824
 - UNECE 81.00 Supplement 2
- [e13*168/2013*01350*01](#) : Refer to CN7YX0-AL-00002-00C00
- [Société Nationale de Certification et d'Homologation](#) :

APPENDIX 3 – B12 Seating positions (saddles and seats)

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 3/2014 Annex XIII
 - Including amendment (EU) 2016/1824
- : Refer to CN7YX0-AL-00002-00C00



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APPENDIX 3 – B13

Steer-ability, cornering properties and turn- ability

0.	Main Requirements	:	
0.1.	Requirements according to	:	Reg. (EU) 3/2014 Annex XIV Including amendment (EU) 2016/1824
1.	Witness details	:	
1.1.	Witness	:	Will Xu
1.2.	Location of Test	:	Zhejiang Labs Vehicle Testing Co., Ltd. No.5 Shengyi Road, Yiqiao Industrial Zone, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA
1.3.	Date of Test	:	2023/7/12
1.4.	Worst Case Rationale	:	Front tyre option 3/ back fork option 3 be tested, Other options refer to CN7YX0-AL-00002-00C00.
1.5.	Tested vehicle	:	☆R68CP4000PA000001☆
2.	Facility and Equipment Checks	:	
2.1	Calibration certificates checked and valid, recorded in the following table	:	Conform
2.2	All instruments are equipped with identification label	:	Yes
2.3	Calibration certificates are complete of calibration-chain with detailed information regarding primary used.	:	Yes

Equipment	Serial / Certificate No.	Calibration due
GPS road tester	046533/37XJ23051051-0029	09.05.2024
Tire pressure gauge	181219319/37XJ23051051-0027	09.05.2024

3.	Condition of test:	
3.1.	Tyre pressure (kPa):	Front: 250 kPa, Rear: 250 kPa
3.2.	Test area, general condition:	Industrial zone internal road
3.3.	Vehicle mass (kg):	Total: 173 Front: 50 Rear:123
4.	Test results:	
4.1.	Turning from straight ahead:	Straight ahead
4.2.	Test of speed on turning circle:	Left: 24.1 km/h; Right: 25.2 km/h; Circle diameter=10 m
4.3.	Straight test:	36 km/h
4.4.	Constant turning	Yes
4.5.	Requirements as per directive described in this test record:	Yes

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00139 Roma

Inspection Report Nr.: CN-118-2-135-WHO23-07046-IR
Manufacturer: ZHEJIANG YIXING INDUSTRY AND TRADE
LIMITED
Type: CP-4

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APPENDIX 3 – B14 Installation of tyres

0.	Main Requirements	:	
0.1.	Requirements according to	:	Reg. (EU) 3/2014 Annex XV Including amendment (EU) 2016/1824 UNECE R75.00 supplement 18
1.	Witness details	:	
1.1.	Witness	:	Will Xu
1.2.	Location of Test	:	Zhejiang Labs Vehicle Testing Co., Ltd. No.5 Shengyi Road, Yiqiao Industrial Zone, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA
1.3.	Date of Test	:	2023/7/9
1.4.	Worst Case Rationale	:	Front tyre (Option 2 and Option 3) be tested, Front tyre Option 1 refer to CN7YX0-AL-00002-00C00.
1.5.	Tested vehicle	:	☆R68CP4000PA000001☆
2.	Facility and Equipment Checks	:	
2.1	Calibration certificates checked and valid, recorded in the following table	:	Conform
2.2.	All instruments are equipped with identification label	:	Yes
2.3.	Calibration certificates are complete of calibration-chain with detailed information regarding primary used.	:	Yes

Equipment	Serial / Certificate No.	Calibration due
--	--	--

3.	e13*168/2013*01350*01 Société Nationale de Certification et d'Homologation		Variant 0 Version 00
3.1.	Mass of the vehicle in running order (declared):	kg	61
3.2.	Technically permissible maximum mass (declared):	kg	173
3.3.	Front technically permissible maximum mass (declared):	kg	50
3.4.	Rear technically permissible maximum mass (declared):	kg	123
3.5.	Maximum designed speed		45 km/h



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4. Test Results

Tyre	Options	Size	LC I	Load (kg)	Speed (Rating)	Speed (km/h)	Type approval No.	Rim	Rolling circumfer ence	Tyre pressure
Front	1	130/60-13	60	250	K	45	E9*75R00/17*1171*01	3.5 x 13	1530	280 kPa
Front	2	<u>130/70-12</u>	<u>60</u>	<u>250</u>	<u>J</u>	<u>45</u>	<u>E9*75R00/17*1205*00</u>	<u>3.5 x 12</u>	<u>1560</u>	<u>280 kPa</u>
Front	3	<u>110/70-17</u>	<u>54</u>	<u>212</u>	<u>S</u>	<u>45</u>	<u>E4*75R00/19*05102*07</u>	<u>3.0 x 17</u>	<u>1837</u>	<u>250 kPa</u>
Rear		215/40-12	56	224	J	45	E9*75R*00.1126	7.5 x 12	1450	250kPa

*All tyres fitted to vehicles, including any spare tyre, are type approved according to UNECE Regulation 75, as referred to in paragraph 1.1 to Regulation 3/2014/EU.

**Where a vehicle is designed for conditions of use that are incompatible with the characteristics of tyres type approved according to UNECE Regulation 75 and is therefore necessary to fit tyres with different characteristics, the requirements of paragraph 1.1 do not apply, provided that the following conditions are met:

- The tyres are type approved according to Council Directive 92/23/EEC (1), Regulation (EC) No 661/2009 of the European Parliament and of the Council (2), or UNECE Regulation No 106;
- Approval authority and technical service are satisfied that the tyres fitted are suitable for the operating conditions of the vehicle. The nature of the exemption and reasons for acceptance are clearly stated in the test report.

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PASS FAIL N/A

General Requirements

1.1.	All tyres fitted to vehicles, including any spare tyre, are type-approved according to UNECE Regulation 75.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.1.2.	Vehicles of categories L1e, L2e and L6e with a technically permissible maximum mass ≤ 150 kg may be fitted with non-type approved tyres, with a section width ≤ 77 mm.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.1.	All tyres normally fitted to the same axle, except those on side-cars of L4e category vehicles, are of the same type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2.	The vehicle manufacturer may restrict the category of use of original and replacement tyres that may be installed on the vehicle. In this case, the categories of use of tyres that may be fitted to the vehicle shall be clearly stated in the vehicle's instruction manual	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.3.	The space in which each wheel revolves shall be such as to allow unrestricted movement when using the maximum permissible size of tyres and rim widths, taking into account the minimum and maximum wheel off-sets if applicable, within the minimum and maximum suspension and steering constraints as declared by the vehicle manufacturer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3.1.	All tyres that may be fitted to the vehicle in accordance with point 2.2. shall be taken into account for the determination of the permissible overall dimensions (i.e. the maximum envelope) of the relevant tyre, as applicable in the Union legislation at the time of type-approval testing of the vehicle. For this purpose, either the specifications as provided for in Annex 5 of UNECE Regulation No 75 or the permitted percentages as provided for sizes not included in that Annex shall be taken into account (e.g. overall width of multiservice tyres (MST) + 25 %, normal and snow service tyres + 10 % in case of rim diameter code 13 and above and + 8 % in case of rim diameter codes up to 12 inclusive).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.3.2.	the vehicle manufacturer shall take into account both the permitted categories of use as well as the speed category that is compatible with the maximum design vehicle speed, for the determination of the permitted tolerance laid down in point 4.1. of Annex 9 to UNECE regulation No 75 (i.e. $H_{dyn} = H \times 1,10$ up to $H_{dyn} = H \times 1,18$). More stringent categories may be taken into account at the discretion of the vehicle manufacturer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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		PASS	FAIL	N/A
2.4.	The technical service may agree to an alternative test procedure (e.g. virtual testing) to verify that the requirements of point 2.3. to 2.3.2. are met, provided that the clearance between the tyre's maximum envelope and vehicle structure exceeds 10 mm at all points.;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1.	Maximum load rating of each tyre with which the vehicle is fitted is at least equal to the following:			
	Maximum permissible mass on the axle where the axle is equipped with one tyre only;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Half of the maximum permissible mass on the axle where the axle is equipped with 2 tyres in single formation;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	0.54 times the maximum permissible mass on the axle where the axle is equipped with 2 tyres in dual (twin) formation;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	0.27 times the maximum permissible mass on the axle where the axle is equipped with 2 sets of tyres in dual (twin) formation;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	With reference to the maximum permissible mass on each axle, as declared by the vehicle manufacturer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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APPENDIX 3 – B17

Maximum continuous total power and/or maximum vehicle speed limitation by design

- 0. **Main Requirements** :
- 0.1. Requirements according to : Reg. (EU) 3/2014 Annex XVIII
Including amendment (EU) 2016/1824
: Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – C1

Powertrain tampering prevention (anti-tampering) measures

- 0. **Main Requirements** :
- 0.1. Requirements according to : Reg. (EU) 44/2014 Annex II
Including amendment (EU) 2018/295
: Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – C5

Devices to prevent unauthorised use

- 0. **Main Requirements** :
- 0.1. Requirements according to : Reg. (EU) 44/2014 Annex VI
Including amendment (EU) 2018/295
UNECE R62.01 Supplement 3
: Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 - C6

Electromagnetic compatibility (EMC)

- 0. **Main Requirements** :
- 0.1. Requirements according to : Reg. (EU) 44/2014 Annex VII
Including amendment (EU) 2018/295
UNECE R10.06
: Refer to CN7SQ0-AL-00003-00C00



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APPENDIX 3 - C7
External projections

0.	Main Requirements	:	
0.1.	Requirements according to	:	Reg. (EU) 44/2014 Annex VIII Including amendment (EU) 2018/295
1.	Witness details	:	
1.1.	Witness	:	Will Xu
1.2.	Location of Test	:	Zhejiang Labs Vehicle Testing Co., Ltd. No.5 Shengyi Road, Yiqiao Industrial Zone, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA
1.3.	Date of Test	:	2023/6/8
1.4.	Worst Case Rationale	:	Back fork (option 2 and option 3) be tested Option 1 refer to CN7YX0-AL-00002-00C00
1.5.	Tested vehicle	:	☆R68CP4000PA000001☆
2.	Facility and Equipment Checks	:	
2.1.	Calibration certificates checked and valid, recorded in the following table	:	Conform
2.2.	All instruments are equipped with identification label	:	Yes
2.3.	Calibration certificates are complete of calibration-chain with detailed information regarding primary used.	:	Yes

Equipment	Serial / Certificate No.	Calibration due
Projection check cylinder	wd-22/37XJ23051051-0006	09.05.2024
Pointer Shore hardness tester	097332201/37XJ23051051-0028	09.05.2024

3.	Test results:	
3.1.	Vehicle assessment	: Vehicle is in a straight line, vertical position as level floor with a rider sits on the moped in normal position and steering free to move.
3.2.	Group 1 parts: Grazing ($0^\circ \leq \alpha < 45^\circ$)	: rear view mirrors.
3.3.	Group 1 parts: Collision: ($45^\circ \leq \alpha < 90^\circ$)	: Front direction indicator lamps, Front brake lever and rear brake lever, Passenger footrest, Rear direction indicator lamps, Rear registration plate support
3.4.	Windscreen	: Not applicable
3.5.	Covers that resemble windscreens or fairings installed to protect instrument cluster or head lamp	: Not applicable
3.6.	Uncovered levers	: Conform as per requirements
3.7.	Mudguard	: Conform as per requirements
3.8.	All others outward pointed and protruding parts of the vehicles	: Conform as per requirements
3.9.	Other requirements as per directive described in this test record	: Conform as per requirements



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APPENDIX 3 - C10
Masses and dimensions

- 0. Main Requirements** :
- 0.1. Requirements according to : Reg. (EU) 44/2014 Annex XI
Including amendment (EU) 2018/295
- 1. Witness details** :
- 1.1. Witness : Will Xu
- 1.2. Location of Test : Zhejiang Labs Vehicle Testing Co., Ltd.
No.5 Shengyi Road, Yiqiao Industrial Zone, Yuhang
Street, Yuhang District, Hangzhou, Zhejiang Province,
PEOPLE'S REPUBLIC OF CHINA
- 1.3. Date of Test : 2023/7/14
- 1.4. Worst Case Rationale : Front tyre option 3/ back fork option 3 be tested,
Other options refer to CN7YX0-AL-00002-00C00
- 1.5. Tested vehicle : ☆R68CP4000PA000001☆
- 2. Facility and Equipment Checks** :
- 2.1. Calibration certificates checked and valid,
recorded in the following table : Conform
- 2.2. All instruments are equipped with
identification label : Yes
- 2.3. Calibration certificates are complete of
calibration-chain with detailed information
regarding primary used. : Yes

Equipment	Serial / Certificate No.	Calibration due
Electronic Scale	030843791/37XJ23051051-0018	09.05.2024
Electronic Scale	030843792/37XJ23051051-0019	09.05.2024
Tape	665702/37XJ23051051-0008	09.05.2024
Tape	665703/37XJ23051051-0009	09.05.2024
Manometer	PHB-318/37XJ23051051-0010	09.05.2024

Front tyre option 3/ back fork option 3

MASSES	Measured in kg	Declared in kg	Limit	Comply (Yes / No)
In running order	59.98	61	5%	Comply
Actual Mass	144.18	143	5%	Comply
Technically permissible mass	--	173	--	Comply
Maximum payload	--	30	--	Comply



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Dimension	Measured (mm)	Declared (mm)	Limit (mm)	% between the declared and tested (< 3 %)	Comply (Yes / No)
Length	2040	2100	4000	< 3 %	Yes
Width	960	945	2000	< 3 %	Yes
Height	1200	1140	2500	< 3 %	Yes
Wheelbase	1510	1540	--	< 3 %	Yes
Ground clearance	--	--	≥ 310 (L3e-AxE) ≥ 280 (L3e-AxT)	< 3 %	--
Length loading bed	--	--	N/A	N/A	--
Width loading bed	--	--	N/A	N/A	--



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APPENDIX 3 – C12

Passenger handholds and footrests

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 44/2014 Annex XIII
Including amendment (EU) 2018/295
 - : Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – C13

Registration plate space

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 44/2014 Annex XIV
Including amendment (EU) 2018/295
 - : Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – C14

Access to repair and maintenance information

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 44/2014 Annex XV
Including amendment (EU) 2018/295
 - : Refer to CN7YX0-AL-00002-00C00

APPENDIX 3 – C15

Stands

- 0. **Main Requirements** :
- 0.1. Requirements according to :
 - Reg. (EU) 44/2014 Annex XVI
Including amendment (EU) 2018/295
 - : Refer to CN7YX0-AL-00002-00C00



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APPENDIX 3 – D1

Statutory plate

0. Main Requirements

0.1. Requirements according to

:

:

Reg. (EU) 901/2014 Annex V
Including amendment (EU) 2020/239

:

Refer to CN7YX0-AL-00002-00C00

Remarks

None

Note: CETOC TS apply measurement uncertainty to calibrated items but not test results.

INDEX OF INFORMATION DOCUMENT

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- 3 VARIANTS AND VERSIONS MATRIX
- 4 INFORMATION DOCUMENT AND DRAWINGS
- 5 STATEMENTS ON ENDURANCE TESTING
- 6 STATEMENTS ON STRUCTURE INTEGRITY
- 7 MANUFACTURER'S CERTIFICATES PROVIDING PROOF OF
COMPLIANCE TO THE TYPE APPROVAL AUTHORITY ON ACCESS
~~TO VEHICLE ON-BOARD DIAGNOSTICS (OBD) AND TO VEHICLE~~
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MEASURES (ANTI-TAMPERING) (IF APPLICABLE)

[e13*168/2013*01350*01](#)

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Type: CP-4	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
EUROPEAN TYPE-APPROVAL OF TWO OR THREE-WHEEL VEHICLES AND QUADRICYCLES (Information Folder No.CP-4-01)		

Document revisions history

Ext. No. / Corr. No.	Extension reason	Date
00	First application	12.01.2022
<u>01</u>	<p><u>To change technical service</u></p> <p><u>to be added:</u></p> <ul style="list-style-type: none"> - <u>two new Back fork (option 2 & option 3)</u> - <u>new Battery holder (option 2)</u> - <u>new Driving Beam Headlamp, Passing Beam Headlamp and Front Position Lamp (option 2)</u> - <u>two new front tyres (option 2 & option 3)</u> <p><u>to be updated:</u></p> <ul style="list-style-type: none"> - <u>the Type-approval numbers and Test Reports overview</u> - <u>the EU certificate of conformity</u> 	<u>20.06.2023</u>

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Type: CP-4 Appendix 1	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
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**Information
on the type-approval procedure chosen in accordance with Article 25(1) of
Regulation (EU) No 168/2013
-Information folder sheet-**

The undersigned: Wu qiang/general manager e13*168/2013*01350*01
Société Nationale de Certification et d'Homologation

Company name and address of manufacturer:

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET MONG KOK,
KOWLOON, HONG KONG

Name and address of the manufacturer's representative (if any):

MINIMOTOS SPORT, S.L.
C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLEN, ALICANTE, SPAIN

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:
yes/no

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

0.1. Make (trade name of the manufacturer): SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI

0.2. Type: CP-4

0.2.1. Variant(s): 00

0.2.2. Version(s): 0

0.2.3. Commercial name(s) (if available): electric scooter

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

Information on the vehicle(s) to be filled in, if application is for type-approval of a system/
component/ separate technical unit: N.A.

0.7. Make (trade name of the manufacturer): N.A

0.8. Type: N.A

0.8.1. Commercial name(s) (if available): N.A

1.6. Virtual and/or self-testing

Type: CP-4 Appendix 1	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
--------------------------	---	--------------------------------

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: N.A.


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

Place: Hong Kong

Date: 20 June.2023

[e13*168/2013*01350*01](#)

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Signature:

Name and position in the company : Wu qiang/general manager

Type-approval numbers and Test Reports overview

Item No.	subject	Type-approval number or test report number	Date of issue of the type-approval or of its extension or of the test report	Member State or contracting party issuing the type-approval or technical service issuing the test report	Reference to the regulatory act and its latest amendment	Variant(s)/ version(s)
A1	Environmental test procedures related to exhaust emissions, evaporative emissions, greenhouse gas emissions, fuel consumption and reference fuels	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 134/2014 Annex II to VIII * (EU) 2018/295	00/0
A2	Maximum design vehicle speed, maximum torque, maximum continuous total engine power of propulsion	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 134/2014 Annex X*(EU) 2018/295	00/0
A3	Test procedures related to sound	N.A.	N.A.	N.A.	N.A.	N.A.
B1	Audible warning devices Installation	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex II* (EU) 2016/1824	00/0
	Audible warning devices	E32-28R-000002	15.04.2015	Latvia	UNECE R28 Series 00 Supplement 3	00/0
B2	Braking, including anti-lock and combined brake systems	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex III* (EU) 2016/1824	00/0
B3	Electrical safety	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex IV* (EU) 2016/1824	00/0
B4	Manufacturer declaration requirements regarding endurance testing of functional safety-critical systems, parts and equipment	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex V* (EU) 2016/1824	00/0
B5	Front and rear protective structures	N.A.	N.A.	N.A.	N.A.	N.A.
B6	Glazing, windscreen wipers and washers, and defrosting and demisting systems	N.A.	N.A.	N.A.	N.A.	N.A.
B7	Driver-operated controls including identification of controls, tell-tales and indicators	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex VIII* (EU) 2016/1824	00/0

B8	Installation of lighting and light- signalling devices, including automatic switching of lighting	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex IX* (EU) 2016/1824	00/0
	Driving beam Headlamp Passing beam Headlamp (Option 1)	E57*113R02/00*0031*00	14.05.2019	San Marino	UNECE R113 Series 02 Supplement 00	00/0
	<u>Driving beam Headlamp Passing beam Headlamp (Option 2)</u>	<u>E4*113R02/00*27489*00</u>	<u>19.06.2019</u>	<u>The Netherlands</u>	<u>UNECE R113 Series 02 Supplement 00</u>	<u>00/0</u>
	Front position lamp (Option 1)	E57*50R00/20*0031*00	10.05.2019	San Marino	UNECE R50 Series 00 Supplement 20	00/0
	<u>Front position lamp (Option 2)</u>	<u>E4*50R00/20*27489*00</u>	<u>19.06.2019</u>	<u>The Netherlands</u>	<u>UNECE R50 Series 00 Supplement 20</u>	<u>00/0</u>
	Front & rear direction indicator (Option 1)	E4*50R00/19*2854*00	10.02.2018	The Netherlands	UNECE R50 Series 00 Supplement 19	00/0
	Front & rear direction indicator (Option 2)	E4*50R01/00*3107*00	02.09.2020	The Netherlands	UNECE R50 Series 01 Supplement 00	00/0
	Rear position lamp Stop lamp (Option 1)	E4*50R00/19*26277*00	10.02.2018	The Netherlands	UNECE R50 Series 00 Supplement 19	00/0
	Rear position lamp Stop lamp (Option 2)	E4*50R01/00*3108*00	02.09.2020	The Netherlands	UNECE R50 Series 01 Supplement 00	00/0
	Rear registration plate lamp (Option 1)	E4*50R00/19*26277*00	10.02.2018	The Netherlands	UNECE R50 Series 00 Supplement 19	00/0
	Rear registration plate lamp (Option 2)	E4*50R01/00*3108*00	02.09.2020	The Netherlands	UNECE R50 Series 01 Supplement 00	00/0
	Rear retro-reflector (Option 1)	E4-3R-023257	24.08.2005	The Netherlands	UNECE R3 Series 02 Supplement 9	00/0
	Rear retro-reflector (Option 2)	E4-3R-023712	01.12.2014	The Netherlands	UNECE R3 Series 02 Supplement 15	00/0
	Side retro-reflector (Option 1)	E4-3R-023256	24.08.2005	The Netherlands	UNECE R3 Series 02 Supplement 9	00/0
	Side retro-reflector (Option 2)	E4-3R-023298	18.02.2015	The Netherlands	UNECE R3 Series 02 Supplement 15	00/0

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B9	Rearward visibility	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex X* (EU) 2016/1824	00/0
	Rear-view mirrors	E11-81R- 002066	23.09.2013	United Kingdom	UNECE R81 Series 00 Supplement 02	00/0
B10	Rollover protective structure (ROPS)	N.A.	N.A.	N.A.	N.A.	N.A.
B11	Safety-belt anchorages and safety- belts	N.A.	N.A.	N.A.	N.A.	N.A.
B12	Seating positions (saddles and seats)	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex XIII* (EU) 2016/1824	00/0
B13	Steer-ability, cornering properties and turn- ability	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex XIV* (EU) 2016/1824	00/0
B14	Installation of tyres	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex XV* (EU) 2016/1824	00/0
	Tyres-Front (option 1)	E9*75R00/17* 1171*01	01.08.2018	Spain	UNECE R75 Series 00 Supplement 17	00/0
	<u>Tyres-Front (option 2)</u>	<u>E9*75R00/17* 1205*00</u>	<u>30.12.2019</u>	<u>Spain</u>	<u>UNECE R75 Series 00 Supplement 17</u>	<u>00/0</u>
	<u>Tyres-Front (option 3)</u>	<u>E4*75R00/19* 05102*07</u>	<u>21.07.2022</u>	<u>The Netherlands</u>	<u>UNECE R75 Series 00 Supplement 19</u>	<u>00/0</u>
	Tyres- Rear	E9-75R- 00.1126	19.07.2017	Spain	UNECE R75 Series 00 Supplement 16	00/0
B15	Vehicle maximum speed limitation plate and its location on the vehicle	N.A.	N.A.	N.A.	N.A.	N.A.
B16	Vehicle occupant protection, including interior fittings and vehicle doors	N.A.	N.A.	N.A.	N.A.	N.A.
B17	Maximum continuous total power and/or maximum vehicle speed limitation by design	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex XVIII* (EU) 2016/1824	00/0
B18	Vehicle structure integrity	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 3/2014 Annex XIX* (EU) 2016/1824	00/0
C1	Anti-tampering measures	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex II* (EU) 2018/295	00/0
C2	Arrangements for type- approval procedures	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex III* (EU) 2018/295	00/0
C3	Conformity of production requirement	CN-118-2-135- WHO23-07046- IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex IV* (EU) 2018/295	00/0
C4	Coupling devices and attachments	N.A.	N.A.	N.A.	N.A.	N.A.

C5	Devices to prevent unauthorised use	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex VI* (EU) 2018/295	00/0
C6	Electromagnetic compatibility (EMC)	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex VII* (EU) 2018/295	00/0
C7	External projections	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex VIII* (EU) 2018/295	00/0
C8	Fuel storage	N.A.	N.A.	N.A.	N.A.	N.A.
C9	Load platforms	N.A.	N.A.	N.A.	N.A.	N.A.
C10	Masses and dimensions	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex XI* (EU) 2018/295	00/0
C11	On-board diagnostics	N.A.	N.A.	N.A.	N.A.	N.A.
C12	Passenger handholds and footrests	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex XIII* (EU) 2018/295	00/0
C13	Registration plate space	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex XIV* (EU) 2018/295	00/0
C14	Repair and maintenance information	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex XV* (EU) 2018/295	00/0
C15	Stands	CN-118-2-135-WHO23-07046-IR	20.07.2023	CETOC TS	(EU) No 44/2014 Annex XVI* (EU) 2018/295	00/0

Remark: In respect of the applicable subjects for the vehicle set out in Annex II to Regulation (EU) No 168/2013.

Place: Hong Kong

Date: 20 June.2023

Signature: 

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Name and position in the company : Wu qiang/general manager

Variants and Versions matrix

Item No.	Variant	Version	Description
See Appendix 4	00	0	Engine type: SS60V12C Motor controller type: SS12-60V-YTC Max speed: 45km/h Battery: Lithium battery, 60V20Ah

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INFORMATION DOCUMENT AND DRAWINGS

0. GENERAL INFORMATION

A. GENERAL INFORMATION CONCERNING VEHICLES

0.1. Make (trade name of manufacturer): SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI

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0.2. Type: CP-4

0.2.1. Variants: 00

0.2.2. Versions: 0

0.2.3. Commercial name(s) (if available): electric scooter

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

0.4. Company name and address of manufacturer:

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET
MONG KOK, KOWLOON, HONG KONG

0.4.1. Name(s) and address(es) of assembly plants:

ZHEJIANG YIXING INDUSTRY & TRADE CO., LTD
Gangtou Industrial Functional Area, Lutan Town, Wuyi County, Jinhua City, Zhejiang
Province, P.R.China

0.4.2. Name and address of manufacturer's authorised representative, if any:

MINIMOTOS SPORT, S.L.
C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLEN, ALICANTE, SPAIN

0.5. Manufacturer's statutory plate(s)

0.5.1. Location of the manufacturer's statutory plate:

L, x815, y-110, z165, See the drawing of CP-4-01

0.5.2. Method of attachment:

Riveted

0.5.3. Photographs and/or drawings of the statutory plate (completed example with dimensions):

See the drawing of CP-4-01

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0.6. Location of the vehicle identification number

0.6.1. Photographs and/or drawings of the locations of the vehicle identification number (completed example with dimensions):

R, x625, y25, z780, See the drawing of CP-4-02

0.6.1.1. The serial number of the type begins with: ☆R68CP4000?A??????☆

B. GENERAL INFORMATION CONCERNING SYSTEMS, COMPONENTS OR SEPARATE TECHNICAL UNITS
N.A. [e13*168/2013*01350*01](#)
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C. GENERAL INFORMATION REGARDING CONFORMITY OF PRODUCTION AND ACCESS TO REPAIR AND MAINTENANCE INFORMATION

0.12. Conformity of production

0.12.1. Description of overall quality-assurance management systems: ISO 9001:2015

0.13. Access to repair and maintenance information

0.13.1. Address of principal website for access to vehicle repair and maintenance information:

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

0.13.2. 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): N.A.

1. GENERAL CONSTRUCTION CHARACTERISTICS

1.1. Photographs and/or drawings of a representative vehicle:

See the drawing of CP-4-03, **CP-4-03-1, CP-4-03-2**

1.2. Scale drawing of the whole vehicle:

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See the drawing of CP-4-04

1.3. Number of axles and wheels: 2 axles /2 wheels

1.3.1. Axles with twinned wheels: N.A.

1.3.2. Powered axles: R (rear)

1.4. Chassis (if any) (overall drawing): See the drawing of CP-4-05

1.5. (L2e, L5e-B, L6e-B, L7e-A2, L7e-B2, L7e-C) Material used for the bodywork: N.A.

1.6. Position and arrangement of the propulsion(s): Rear wheel hub motor

1.7. (L4e, L5e-B, L6e-B, L7e-A2, L7e-B2, L7e-C) Hand of drive: left/right/centre: N.A.

1.7.1. Vehicle is equipped to be driven in right/left-hand traffic and in countries that use metric/metric and imperial units:

Right and left-hand traffic; metric and imperial units.

1.8. Propulsion unit performance

1.8.1. (L3e, L4e, L5e, L7e-A, L7e-B2) Declared maximum vehicle speed: N.A.

1.8.2. (L1e, L2e, L6e, L7e-B1, L7e-C) Maximum design vehicle speed: 45km/h

1.8.3. Maximum net power combustion engine: N.A.

1.8.4. Maximum net torque combustion engine: N.A.

1.8.5. Maximum continuous-rated power electric motor (~~15~~/30 minutes power):

3.0 kW at 400 min⁻¹

1.8.6. Maximum continuous-rated torque electric motor:

71.0 Nm at 400 min⁻¹

1.8.7. Maximum continuous total power for propulsion(s): N.A.

1.8.8. Maximum continuous total torque for propulsion(s): N.A.

1.8.9. Maximum peak power for propulsion(s):

3.1 kW at 340 min⁻¹

- 2.1. Range of vehicle mass (overall)
 - 2.1.1. Mass in running order: [e13*168/2013*01350*01](#)
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61 kg
 - 2.1.1.1. Distribution of mass in running order between the axles:
 - Front axle: 23 kg
 - Rear axle: 38 kg
 - 2.1.2. Actual mass:
 - 143 kg
 - 2.1.2.1. Distribution of actual mass between the axles:
 - Front axle: 42 kg
 - Rear axle: 101 kg
 - 2.1.3. Technically permissible maximum laden mass: 173 kg
 - 2.1.3.1. Technically permissible maximum mass on front axle: 50 kg
 - 2.1.3.2. Technically permissible maximum mass on rear axle: 123 kg
 - 2.1.3.3. (L4e) Technically permissible maximum mass on sidecar axle: N.A.
 - 2.1.4. Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer:
 - 15° slope
 - 2.1.5. Maximum pay mass declared by manufacturer: 30 kg.
 - 2.1.6. Safe load carrying capacity of load platform declared by manufacturer: N.A.
 - 2.1.7. Technically permissible maximum towable mass in case of: Braked: N.A., Unbraked: N.A.
 - 2.1.7.1. Technically permissible maximum laden mass of the combination: N.A.
 - 2.1.7.2. Technically permissible maximum mass at the coupling point: N.A.
 - 2.1.8. Mass of the optional equipment: N.A.
 - 2.1.9. Mass of the superstructure: N.A.
 - 2.1.10. Mass of the propulsion battery: 7kg
 - 2.1.11. (L2e, L4e, L5e, L6e, L7e) Mass of the doors: N.A.
 - 2.1.12. (L2e-U, L5e-B, L6e-BU, L7e-CU) Mass of the machines or equipment installed on the load platform area: N.A.

2.1.13. Mass of the gaseous fuel system as well as storage tanks for gaseous fuel: N.A.

2.1.14. Mass of the storage tanks to store compressed air: N.A.

2.2. Range of vehicle dimensions (overall)

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2.2.1. Length: See the drawing of CP-4-04, CP-4-04-1

2.2.2. Width: See the drawing of CP-4-04, CP-4-04-1

2.2.3. Height: See the drawing of CP-4-04, CP-4-04-1

2.2.4. Wheelbase: See the drawing of CP-4-04, CP-4-04-1

2.2.4.1. (L4e) Wheelbase sidecar: N.A.

2.2.5. Track width

2.2.5.1. (L1e — L7e if equipped with twinned wheels L2e, L4e, L5e, L6e, L7e)
Track width front: N.A.

2.2.5.2. (L1e — L7e if equipped with twinned wheels L2e, L4e, L5e, L6e, L7e)
Track width rear: N.A.

2.2.5.3. (L4e) Track width sidecar: N.A.

2.2.6. (L7e-B) Front overhang: N.A.

2.2.7. (L7e-B) Rear overhang: N.A.

2.2.8. Load platform dimensions

2.2.8.1. (L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU) Length of the load platform: N.A.

2.2.8.2. (L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU) Width of load platform: N.A.

2.2.8.3. (L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU) Height of load platform: N.A.

2.2.9. Centre of gravity

2.2.9.1. (L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU) Location of the centre of gravity forward of the rear axle Lcg: N.A.

2.2.9.2. (L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU) Location of the centre of gravity above the ground plane Hcg: N.A.

2.2.9.3. (L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU) Location centre of gravity of loaded platform forward of the rear axle LcgLP: N.A.

2.2.10. Miscellaneous dimensions

- 2.2.10.1. (L7e-B2) Approach angle: N.A.
- 2.2.10.2. (L7e-B2) Departure angle: N.A.
- 2.2.10.3. (L7e-B2) Ramp angle: N.A.
- 2.2.10.4. (L7e-B2) Ground clearance under the front axle: N.A.
- 2.2.10.5. (L7e-B2) Ground clearance under the rear axle: N.A.
- 2.2.10.6. (L3e-AxE (x=1, 2 or 3), L3e-AxT (x=1, 2 or 3), L7e-B) Ground clearance between the axles: N.A.
- 2.2.10.7. (L7e-B) Wheelbase to ground clearance ratio: N.A.
- 2.2.10.8. (L7e-B2) Static stability coefficient — Kst: N.A.
- 2.2.10.9. (L3e-AxE, L3e-AxT) Seat height: N.A.
- 2.2.10.10. (L3e-AxE, L3e-AxT) Ground clearance: N.A.

3. GENERAL POWERTRAIN CHARACTERISTICS

3.1. Manufacturer of the propulsion unit

3.1.1. Combustion engine: N.A.

3.1.2. Electric motor

3.1.2.1. Manufacturer:

Yongkang Changpao Industry and Trade Co., Ltd.

3.1.2.2. Electric motor code (as marked on the engine or other means of identification):

SS60V12C/??????????

3.1.3. Hybrid application: N.A.

3.2. Combustion engine: N.A.

3.3. Pure electric and hybrid electric propulsion and control

3.3.1. Electric vehicle configuration: pure electric/~~hybrid electric/manpower~~ — electric

3.3.2. Brief description and schematic drawing of pure and hybrid electric propulsions and its control systems:

See the drawing of CP-4-06

3.3.3. Electric propulsion motor

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- 3.3.3.1. Number of electric motors for propulsion: 1
- 3.3.3.2. Type (winding, excitation): winding e13*168/2013*01350*01
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- 3.3.3.3. Operating voltage: 60 V
- 3.3.3.4. 45/30 minutes power:
3.0 kW at 400 min⁻¹
- 3.3.4. Propulsion batteries
 - 3.3.4.1. Primary propulsion battery
 - 3.3.4.1.1. Number of cells: 1
 - 3.3.4.1.2. Mass: 7 kg
 - 3.3.4.1.3. Capacity: 20 Ah
 - 3.3.4.1.4. Voltage: 60 V
 - 3.3.4.1.5. Position in the vehicle: See the drawing of CP-4- 07, **CP-4- 07-1**
 - 3.3.4.2. Secondary propulsion battery: N.A.
- 3.3.5. Hybrid electric vehicle: N.A.
- 3.3.6. Energy storage device
 - 3.3.6.1. Description: (battery, capacitor, flywheel/generator)
 - 3.3.6.2. Identification number: 18650
 - *3.3.6.3. Kind of electrochemical couple: Lithium battery
 - 3.3.6.4. Energy (for battery: voltage and capacity Ah in 2h, for capacitor: J,..., for flywheel/generator: J,...): 60 V, 20 Ah
 - 3.3.6.5. Charger: ~~on-board/external/without~~
- 3.3.7. Electric motor (describe each type of electric motor separately)
 - 3.3.7.1. Primary use: propulsion motor/~~generator~~
 - 3.3.7.2. When used as propulsion motor: single-motor
 - 3.3.7.3. Working principle:
Permanent magnet brushless DC motor
 - 3.3.7.4. Direct current/alternating current/number of phases: Direct current / three phases
 - 3.3.7.5. Separate excitation/series/compound: series

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3.3.7.6. Synchronous/asynchronous: Synchronous

3.3.8. Electric motor control unit

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3.3.8.1. Identification number:

See the drawing of CP-4-08

3.3.9. Power controller

3.3.9.1. Identification number: N.A

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): N.A.

3.4.1.1. Liquid cooling: N.A.

3.4.1.1.1. Maximum temperature at outlet: N.A.

3.4.1.2. Air cooling: N.A.

3.4.1.2.1. Reference point: N.A.

3.4.1.2.2. Maximum temperature at reference point: N.A.

3.4.2. Lubrication system: N.A.

3.4.2.1. Description of lubrication system: N.A.

3.4.2.2. Location of oil reservoir (if any): N.A.

3.4.2.3. Feed system (pump/injection into induction system/mixed with the fuel, etc.): N.A.

3.4.2.4. Lubricant mixed with the fuel: N.A.

3.4.2.4.1. Percentage: N.A.

3.4.2.5. Oil cooler: ~~yes/no~~ N.A.

3.5. Drive-train control

3.5.1. 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):

See the drawing of CP-4-09

3.5.2. Clutch

3.5.2.1. Brief description and schematic drawing of the clutch and its control system:

N.A.

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3.5.3. Transmission

3.5.3.1. Brief description and schematic drawing of gear shift system(s) and its control:

N.A.

3.5.3.2. Drawing of the transmission: N.A.

3.5.3.3. Type (~~mechanical, hydraulic, electric, manual/manual-automated/automatic/CVT~~ /other (indicate).): Wheel-hub motor

3.5.3.4. A brief description of the electrical/electronic components (if any): N.A.

3.5.3.5. Location relative to the engine: N.A.

3.5.3.6. Method of control: ~~by hand/foot~~

3.5.4. Gear ratios: N.A.

3.5.4.1. (L3e-AxE, L3e-AxT) Final drive ratio: N.A.

3.5.4.2. (L3e-AxE, L3e-AxT) Overall gear ratio in highest gear: N.A.

3.6. Safe-cornering device: N.A.

3.7. Suspension and control

3.7.1. Brief description and schematic drawing of suspension and its control system:

See the drawing of CP-4-10, CP-4-11, CP-4-11-1, CP-4-11-1-1, CP-4-11-1-2

3.7.2. Drawing of the suspension arrangements:

See the drawing of CP-4-10, CP-4-11, CP-4-11-1, CP-4-11-1-1, CP-4-11-1-2

3.7.3. Level adjustment: ~~yes/ no/ optional~~

3.7.4. Brief description of the electrical/electronic components: N.A.

3.7.5. Stabilisers: ~~yes/ no/ optional~~

3.7.6. Shock absorbers: ~~yes/ no/ optional~~

3.8. Passenger-compartment heating system and air-conditioning: N.A.

3.9. Cycles designed to pedal: N.A.

4. GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION PERFORMANCE

4.0. General information on environmental and propulsion performance

4.0.1. Environmental step: Euro 5

4.0.2 Fuel consumption (provide details for each reference fuel tested): N.A.

4.0.3 CO₂ emissions: N.A.

4.0.4 Energy consumption:

26 Wh/km

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4.0.5 Electric range:

61 km

4.1. Tailpipe emission-control system: N.A.

4.2. Crankcase emission control system: N.A.

4.3. Evaporative emission control system: N.A.

4.4. Additional information on environmental and propulsion unit performance: N.A.

5. VEHICLE PROPULSION FAMILY

5.1. 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: N.A.

6. INFORMATION ON FUNCTIONAL SAFETY

6.1. Audible warning devices

6.1.1. Summary description of device(s) used and their purpose:

Make	Type	Approval Number	Description
LVEE	DL70-II	E32-28R-00 0002	Electro-magnetic with resonator disc, single tone

6.1.2. Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle:

See the drawing of CP-4-12

6.1.3. Details of the method of attachment, including the part of the vehicle structure to which the audible warning device(s) is (are) attached:

See the drawing of CP-4-12

6.1.4. Electrical/pneumatic circuit diagram: See the drawing of CP-4-13

6.1.4.1. Voltage: AC/DC

6.1.4.2. Rated voltage pressure: 12V

6.1.5. Drawing of the mounting device: See the drawing of CP-4-12

6.2. Braking, including anti-lock and combined braking systems

6.2.1. 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:

See the drawing of CP-4-14, CP-4-14-1, CP-4-14-2, CP-4-14-3, CP-4-14-4, CP-4-14-5, CP-4-14-6, CP-4-14-7

6.2.2. 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:

See the drawing of CP-4-14, CP-4-14-1, CP-4-14-2, CP-4-14-3, CP-4-14-4, CP-4-14-5, CP-4-14-6, CP-4-14-7

6.2.2.1. Front, rear ~~and sidecar~~ brakes, disc and/or drum:

Front: disc [e13*168/2013*01350*01](#)
Rear: disc [Société Nationale de Certification et d'Homologation](#)

6.2.2.2. Parking braking system: N.A.

6.2.2.3. Any additional braking system: N.A.

6.2.3. Vehicle is equipped to tow a trailer with no brake/overrun brake/electric/pneumatic/hydraulic service brakes: N.A.

6.2.4. Anti-lock/Combined braking system

6.2.4.1. Anti-lock braking system: ~~yes/no/optional~~

6.2.4.2. Combined braking system: ~~yes/ no/optional~~

6.2.4.3. Anti-lock and combined braking system: ~~yes/no/optional~~

6.2.4.4. Schematic drawing(s): N.A

6.2.5. Hydraulic reservoir(s) (volume and location):

See the drawing of CP-4-14-1

6.2.6. Particular characteristics of the braking system(s)

6.2.6.1. Brake shoes and/or pads:

See the drawing of CP-4-14-5, CP-4-14-6

6.2.6.2. Linings and/or pads (indicate make, type, grade of material or identification mark):

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See the drawing of CP-4-14-5, CP-4-14-6

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6.2.6.3. Brake levers and/or pedals:

See the drawing of CP-4-14-7

6.2.6.4. Other devices (where applicable): drawing and description: N.A.

6.3. Electrical safety

6.3.1. Brief description of the power circuit components installation and drawings/photographs showing the location of the power circuit components installation:

See the drawing of CP-4-15

6.3.2. Schematic diagram of all electrical functions included in power circuit:

See the drawing of CP-4-15

6.3.3. Working voltage(s):

Power working voltage: 60V

Other electrical components voltage: 12V DC

6.3.4. 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

6.3.5. Fuse and/or circuit breaker: ~~yes/no/optional~~, Fuse

6.3.5.1. Diagram showing the functional range: 45 A

6.3.6. Configuration of power wiring harness: See the drawing of CP-4-13, CP-4-15

6.4. Front and rear protective structures: N.A.

6.5. Glazing, windscreen wipers and washers, and defrosting and demisting systems: N.A.

6.6. Windscreen wiper(s): N.A.

6.7. Windscreen washer: N.A.

6.8. Defrosting and demisting: N.A.

6.9. Driver-operated controls including identification of controls, tell- tales and indicators

6.9.1. Arrangement and identification of controls, tell-tales and indicators:

See the drawing of CP-4-16

6.9.2. Photographs and/or drawings of the arrangement of symbols and controls, tell-tales and indicators:

See the drawing of CP-4-16

6.9.3. Controls, tell-tales and indicators for which, when fitted, identification is mandatory, including the identification symbols to be used for that purpose: See table 6.9.4.

6.9.4. Summary table: the vehicle is equipped with the following driver-operated controls, including indicators and tell-tales: See table 6.9.4.

6.9.5. Controls, tell-tales and indicators for which, when fitted, identification is optional, and symbols which shall be used if they are to be identified: See table 6.9.5.

6.10. Speedometer and odometer e13*168/2013*01350*01
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6.10.1. Speedometer

6.10.1.1. Photographs and/or drawings of the complete system:

See the drawing of CP-4-17

6.10.1.2. Vehicle speed range displayed: 0~80 km/h, 0~50 mph

6.10.1.3. Tolerance of the measuring mechanism of the speedometer:

$0 \leq (V1-V2) \leq 0.1*V2+4$ km/h
V1: display speed, V2: actual speed

6.10.1.4. Technical constant of the speedometer:

1 pulse/min = 0.262×10^{-3} km/h

6.10.1.5. Method of operation and description of the drive mechanism:

Directly connect to the controller, to drive speedometer through the signal from controller.

6.10.1.6. Overall transmission ratio of the drive mechanism: 310 pulse /1 wheel rotation

6.10.2. Odometer

6.10.2.1. Tolerance of the measuring mechanism of the odometer: 0~+5 km

6.10.2.2. Method of operation and description of the drive mechanism:

Directly connect to the controller, to drive odometer through the signal from controller.

6.11. Installation of lighting, light-signaling devices, including automatic switching of lighting

6.11.1. 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): See table 6.11.1.

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6.11.2. Diagram showing the location of the lighting and light-signaling devices:

See the drawing of CP-4-18

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6.11.3. Hazard warning lamps: N.A.

6.11.4. Brief description of the electrical and/or electronic components used in the lighting system and in the light-signaling system: N.A.

6.11.5. For every lamp and reflector, supply the following information (in writing and/or by diagram):

6.11.5.1. Drawing showing the extent of the illuminating surface:

See lightings component type-approval

6.11.5.2. 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): The light-emitting surface

6.11.5.3. Axis of reference and centre of reference: See lighting component type-approval

6.11.5.4. Method of operation of concealable lamps: N.A.

6.11.6. Description/drawing and type of headlamp leveling device (e.g. automatic, stepwise manually adjustable, continuously manually adjustable): N.A.

6.11.6.1. Control device: N.A.

6.11.6.2. Reference marks: N.A.

6.11.6.3. Marks assigned for loading conditions: N.A.

6.12. Rearward visibility

6.12.1. Rear-view mirrors (stating for each mirror)

6.12.1.1. Drawing(s) for the identification of the mirror showing the position of the mirror relative to the vehicle structure:

See the drawing of CP-4-19

6.12.1.2. Details of the method of attachment including that part of the vehicle structure to which it is attached: See the drawing of CP-4-19

6.12.1.3. A brief description of the electronic components of the adjustment system: N.A.

6.12.2. Devices for indirect vision other than mirrors: N.A.

6.12.2.1. Description of the device: N.A.

6.12.2.2. In the case of a camera-monitor device, the detection distance (mm), contrast, luminance range, glare correction, display performance (black and white/colour), image repetition frequency, luminance reach of the monitor: N.A.

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- 6.12.2.3. 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: N.A.
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- 6.13. Rollover protective structure (ROPS): N.A. [Société Nationale de Certification et d'Homologation](#)
- 6.14. Safety belts and/or other restraints: N.A.
- 6.15. Safety belt anchorages: N.A.
- 6.16. Seating positions (saddles and seats)
- 6.16.1. Number of positions: 1
- 6.16.1.1. (L2e, L5e, L6e, L7e) Location and arrangement: N.A.
- 6.16.2. Seating position configuration: ~~seat~~/saddle
- 6.16.3. Description and drawings of:
- 6.16.3.1. The seats and their anchorages: N.A.
- 6.16.3.2. The adjustment system: N.A.
- 6.16.3.3. The displacement and locking systems: N.A.
- 6.16.3.4. The seat-belt anchorages incorporated in the seat structure: N.A.
- 6.16.3.5. The parts of the vehicle used as anchorages: N.A.
- 6.16.4. (L2e, L4e, L5e-B, L6e-B, L7e) Coordinates or drawing of the R-point(s) of all seating positions: N.A.
- 6.16.4.1. (L2e, L4e, L5e-B, L6e-B, L7e) Driver's seat: N.A.
- 6.16.4.2. (L2e, L4e, L5e-B, L6e-B, L7e) All other seating positions: N.A.
- 6.16.5. Design torso angle: N.A.
- 6.16.5.1. Driver's seat: N.A.
- 6.16.5.2. All other seating positions: N.A.
- 6.16.6. Range of seat adjustment: N.A.
- 6.16.6.1. Driver's seat: N.A.
- 6.16.6.2. All other seating positions: N.A.
- 6.17. Steer-ability, cornering properties and turn-ability
- 6.17.1. Schematic diagram of steered axle(s) showing steering geometry:
- See the drawing of CP-4-20

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6.17.2. Transmission and control of steering

6.17.2.1. Configuration of steering transmission (specify for front and rear):

See the drawing of CP-4-20

6.17.2.2. Linkage to wheels (including other than mechanical means; specify for front and rear): See the drawing of CP-4-20

6.17.2.2.1. A brief description of the electrical/electronic components: N.A.

6.17.2.3. Diagram of the steering transmission: N.A.

6.17.2.4. (L2e, L5e, L6e, L7e) Schematic diagram(s) of the steering control(s): N.A.

6.17.2.5. (L2e, L5e, L6e, L7e) Range and method of adjustment of the steering control(s): N.A.

6.17.2.6. (L2e, L5e, L6e, L7e) Method of assistance: N.A.

6.17.3. Maximum steering angle of the wheels

6.17.3.1. To the right: 45°; ~~number of turns of the steering wheel (or equivalent data):~~

6.17.3.2. To the left: 48°; ~~number of turns of the steering wheel (or equivalent data):~~

6.18. Tyres/wheels combination:

6.18.1. Tyres:

6.18.1.1. Size designation

6.18.1.1.1. Axle 1: See table 6.18.

6.18.1.1.2. Axle 2: See table 6.18.

6.18.1.1.3. (L4e) Sidecar wheel: N.A.

6.18.1.2. Minimum load-capacity index:

Front: 16

Rear: 36

6.18.1.3. Minimum-speed category symbol compatible with the theoretical maximum design vehicle speed: B

6.18.1.4. Tyre pressure(s) as recommended by the vehicle manufacturer: See table 6.18.

6.18.2. Wheels:

6.18.2.1. Rim size(s): See table 6.18.

6.18.2.2. Categories of use compatible with the vehicle: See table 6.18.

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- 6.18.2.3. Nominal rolling circumference: See table 6.18.
- 6.19. Vehicle maximum speed limitation plate and its location on the vehicle: N.A.
- 6.20. Vehicle occupant protection, including interior fittings and vehicle doors: N.A.
- 6.21. Maximum continuous total power and/or maximum vehicle speed limitation by design.
- 6.21.1. Propulsion and/or drive-train output governors:
- 6.21.1.1. Number (minimum two, exemption L3e-A3 and L4e-A3): Two
- 6.21.1.2. How is the redundancy of governors ensured:
- (1) reduction of the maximum power output of one electric motors based on the vehicle or 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. Nominal cut-off point no 1
- 6.21.1.3.1. Engine/motor/drive-train rotation speed at which cut-off starts under load: 540 min⁻¹
- 6.21.1.3.2. Maximum rotation speed at the minimum engine load: 540 min⁻¹
- 6.21.1.4. Nominal cut-off point no 2: [e13*168/2013*01350*01](#)
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- 6.21.1.4.1. Engine/motor/drive-train rotation speed at which cut-off starts under load: 540 min⁻¹
- 6.21.1.4.2. Maximum rotation speed at the minimum engine load: 540 min⁻¹
- 6.21.1.5. The stated purpose of governor(s): maximum design vehicle speed limitation/~~maximum power limitation/engine over-speed protection~~
7. INFORMATION ON VEHICLE CONSTRUCTION
- 7.1. Coupling devices and attachments: N.A.
- 7.1.1. L-category vehicle equipped with coupling device: ~~yes/no/optional~~ N.A.
- 7.1.2. Guidelines and information for consumers in all EU languages regarding the impact on the driveability of using a trailer with an L-category vehicle included in the owner's manual: ~~yes/no~~ N.A.
- 7.1.3. For coupling-device approved as separate technical unit: installation and operating instructions added to documentation: ~~yes/no~~ N.A.
- 7.1.4. Photographs and/or drawings showing the position and the construction of the coupling-devices: ~~yes/no~~ N.A.
- 7.1.5. Instructions for attaching the coupling-type to the vehicle and photographs or drawings of the fixing points on the vehicle as stated by the manufacturer; additional information, if the

use of the coupling-type is restricted to certain variants or versions of the vehicle type: N.A.

7.1.6. Attachment points for a secondary coupling and/or breakaway cable (drawings and pictures may be used as appropriate): ~~yes~~/no N.A.

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7.2. Devices to prevent unauthorised use

7.2.1. Protective device

7.2.1.1. Summary description of protective device(s) used:

Type 2, positively operated on the steering in conjunction with the device which de-activates the motor of the vehicle.
See the drawing of CP-4-22

7.2.2. Vehicle immobiliser:

7.2.2.1. Technical description of the vehicle immobiliser and of the measures taken against inadvertent activation: N.A

7.2.3. Alarm system: N.A

7.2.3.1. Description of the alarm system and of the vehicle parts involved in installation: N.A

7.2.3.2. List of the main components comprising the alarm system: N.A

7.3. Electromagnetic compatibility (EMC)

7.3.1. Requirements under UNECE Regulation No 10 (OJ L 254, 20.9.2012, p. 1) are met with relevant documentation included in the information document: N.A.

7.3.2. Table or drawing of radio-interference control equipment:

See the drawing of CP-4-15

7.3.3. 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 mm² (max. resistance: 13.3 Ohm/km)
2. 1.00 mm² (max. resistance: 19.5 Ohm/km)
3. 0.75 mm² (max. resistance: 26.0 Ohm/km)
4. 0.50 mm² (max. resistance: 39.0 Ohm/km)
5. 0.30 mm² (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): N.A.

7.5. Fuel storage

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7.5.1. Fuel tank(s)

7.5.2. Compressed natural gas (CNG) container(s): N.A.

7.5.3. Liquefied petroleum gas (LPG) container(s): N.A.

7.6. On-board diagnostics (OBD) functional requirements: N.A.

7.7. Passenger handholds and footrests

7.7.1. Handholds

7.7.1.1. Configuration: ~~strap and/or handle~~ N.A

7.7.1.2. Photographs and/or drawings showing the location and the construction: N.A

7.7.2. Footrests

7.7.2.1. Photographs and/or drawings showing the location and the construction:

See the drawing of CP-4-23

7.8. Registration plate space

7.8.1. Location of rear registration plate (indicate variants where necessary; drawings may be used as appropriate): See the drawing of CP-4-24

7.8.1.1. Height above road surface, upper edge: See the drawing of CP-4-24

7.8.1.2. Height above road surface, lower edge: See the drawing of CP-4-24

7.8.1.3. Distance of the centre line from the longitudinal median plane of the vehicle: 0

7.8.1.4. Dimensions (length x width): See the drawing of CP-4-24

7.8.1.5. Inclination of the plane to the vertical: See the drawing of CP-4-24

7.8.1.6. Angle of visibility in the horizontal plane:

To the left and to the right of the plate of 30° and more.

7.9. Stands

7.9.1. (L1e, L3e) Configuration: ~~central and~~ side

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:

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See the drawing of CP-4-25

7.9.4. (L1e, L3e) Description of the method to prevent contact of the stand with the ground when the vehicle is being propelled: Side stand switch

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Table 6.9.4.

Controls, tell-tales and indicators for which, when fitted, identification is mandatory, and symbols to be used for that purpose

Symbol No.	Device	Control /indicator available (*)	Identified by symbol(*)	Where (**)	Tell-tale available (*)	Identified by symbol(*)	Where (**)
1	Maser light	-	-	-	-	-	-
2	Dipped-beam head lamps	x	x	d	-	-	-
3	Main-beam head lamps	x	x	d	x	x	d
4	Position (side) lamps	-	-	-	-	-	-
5	Front fog lamps	-	-	-	-	-	-
6	Rear fog lamps	-	-	-	-	-	-
7	Headlamp leveling device	-	-	-	-	-	-
8	Parking lamps	-	-	-	-	-	-
9	Direction indicators	x	x	c	x	x	d
10	Hazard warning	-	-	-	-	-	-
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	-	-	-	-	-	-
19	Choke	-	-	-	-	-	-
20	Brake failure	-	-	-	-	-	-
21	Fuel level	-	-	-	-	-	-
22	Battery charging condition	x	x	d	-	-	-
23	Engine coolant temperature	-	-	-	-	-	-
24	Malfunction indicator light (MI)	-	-	-	-	-	-

(*) x = yes

- = no or not separately available

o = optional

(**) d = directly on control, indicator or tell-tale

c = in close vicinity

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Table 6.9.5.

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	-	-	-	-	-	-
12	Neutral indicator	-	-	-	-	-	-
13	Optical warning device	-	-	-	-	-	-
14	Ignition switch	-	-	-	-	-	-
15	External cord connect	-	-	-	-	-	-
16	Electric motor enabled	-	-	-	x	x	d
17	Cruise control	-	-	-	-	-	-
18	Battery failure	-	-	-	-	-	-
19	Reversing switch	x	x	d	-	-	-
20	Parking button	-	-	-	-	-	-
21	Gear selection	x	x	d	-	-	-

(*) x = yes

- = no or not separately available



o = optional

(**) d = directly on control, indicator or tell-tale

c = in close vicinity

Table 6.11.1.

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)

DEVICES	MAKE/MODEL	NUMBER/ COLOUR	TELL-TALE	APPROVAL NUMBER	MAXIMUM INTENSITY
DRIVING BEAM HEADLAMP, PASSING BEAM HEADLAMP (Option 1)	HS/HS-TF1	1 / white	YES/ Blue	E57*113R02/00*0 031*00	32250cd
		1 / white	---		---
FRONT POSITION LAMP (Option 1)		1 / white	---	E57*50R00/20*00 31*00	---
DRIVING BEAM HEADLAMP, PASSING BEAM HEADLAMP (Option 2)	SHIJIN/SG01-NZ	<u>1 / white</u>	YES/ Blue	E4*113R02/00*27 489*00	43000cd
		<u>1 / white</u>	---		---
FRONT POSITION LAMP (Option 2)		<u>1 / white</u>	---	E4*50R00/20*274 89*00	---
FRONT & REAR DIRECTION INDICATOR (Option 1)	SHIJIN/SJ-LED-Z10	2/amber	YES / Green	E4*50R00/19*285 4*00	---
FRONT & REAR DIRECTION INDICATOR (Option 2)	 /CG/D-ZX-HL	2/amber	YES / Green	E4*50R01/00*310 7*00	---
REAR POSITION LAMP	SHIJIN/SJ-LED-W01	1/red	*	E4*50R00/19*262 77*00	---
STOP LAMP (Option 1)		1/red	NO		---
REAR REGISTRATION PLATE LAMP (Option 1)		1/white	*		---
REAR POSITION LAMP	 /CG/D-W-HL	1/red	*	E4*50R01/00*310 8*00	---
STOP LAMP (Option 2)		1/red	NO		---
REAR REGISTRATION PLATE LAMP (Option 2)		1/white	*		---
REAR RETRO-REFLECTOR (Option 1)	SHIJIN/SJ-F02	1/red	NO	E4-3R-023257	---
REAR RETRO-REFLECTOR (Option 2)	K-LITE, KYI, HILUX K-LITE/KM202	1/red	NO	E4-3R-023712	---
SIDE RETRO-REFLECTOR (Option 1)	SHIJIN/SJ-F01	2/amber	NO	E4-3R-023256	---
SIDE RETRO-REFLECTOR (Option 2)	K-LITE, KYI, HILUX K-LITE/KM101	2/amber	NO	E4-3R-023298	---

*Instrument panel illumination

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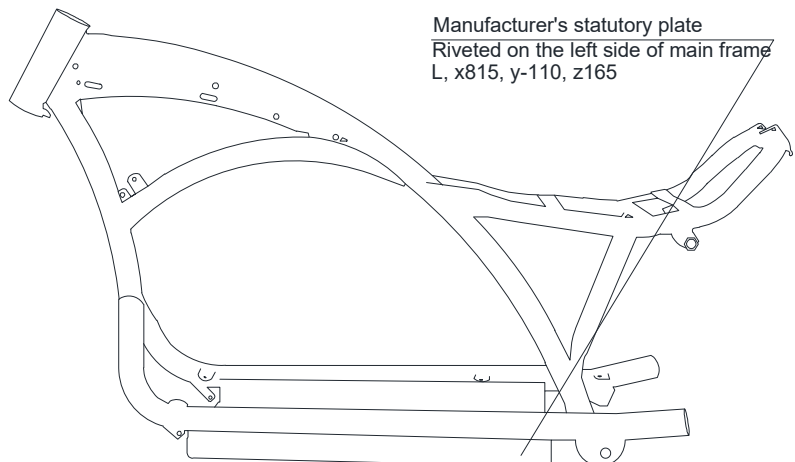
Table 6.18.
Tyres/wheels combination

Axle	Type approval number	Dimension	Max. loading	Speed Category	Rims	Nominal rolling circumference	Tyre pressure
Front (option 1)	E9*75R00/17*1 171*01	130/60-13 M/C	60	K	3.50X13	1530mm	280 kPa
Front (option 2)	<u>E9*75R00/17*</u> <u>1205*00</u>	<u>130/70-12 62J</u>	<u>60</u>	<u>J</u>	<u>3.50X12</u>	<u>1560mm</u>	<u>280 kPa</u>
Front (option 3)	<u>E4*75R00/19*</u> <u>05102*07</u>	<u>110/70-17</u> <u>M/C</u>	<u>54</u>	<u>S</u>	<u>3.00X17</u>	<u>1837mm</u>	<u>250 kPa</u>
rear	E9-75R- 00.1126	215/40-12	56	J	7.50X12	1450mm	250 kPa

INDEX OF DRAWINGS

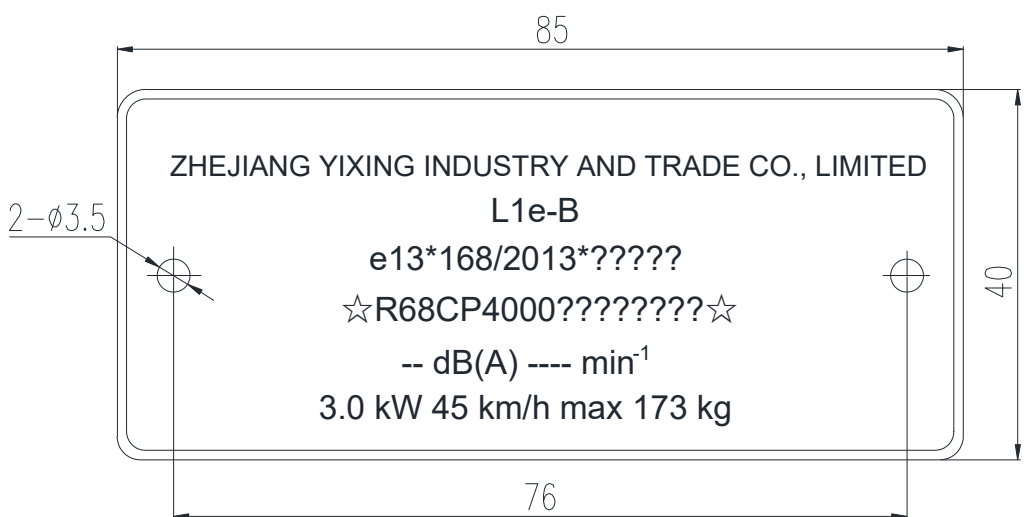
Drawing No	Drawing description
CP-4-01	Manufacturer's Statutory Plate
CP-4-02	Vehicle Identification Number
CP-4-03	Photos of A Representative Vehicle
<u>CP-4-03-1</u>	<u>Photos of A Representative Vehicle</u>
<u>CP-4-03-2</u>	<u>Photos of A Representative Vehicle</u>
CP-4-04	Dimension Measured on Vehicle
<u>CP-4-04-1</u>	<u>Dimension Measured on Vehicle</u>
CP-4-05	Chassis
CP-4-06	Electric Motor
CP-4-07	Location of The Propulsion Batteries
<u>CP-4-07-1</u>	<u>Location of The Propulsion Batteries</u>
CP-4-08	Controller
CP-4-09	Drive train
CP-4-10	Front suspension
CP-4-11	Rear suspension
CP-4-11-1	Rear suspension
<u>CP-4-11-1-1</u>	<u>Rear suspension</u>
<u>CP-4-11-1-2</u>	<u>Rear suspension</u>
CP-4-12	Location of The Audible Warning Device
CP-4-13	Electrical Circuit Diagram
CP-4-14	Brake System
CP-4-14-1	Hydraulic reservoir
CP-4-14-2	Brake hose
CP-4-14-3	Front brake system
CP-4-14-4	Rear brake system
CP-4-14-5	Front Brake pads
CP-4-14-6	Rear Brake pads
CP-4-14-7	Brake Levers
CP-4-15	Power Circuit Components Installation
CP-4-16	Controls, Tell-tales and Indicators
CP-4-17	Speedometer and odometer
CP-4-18	Location of Lights
CP-4-19	Location of Rear View Mirror
CP-4-20	Transmission and Control of Steering
CP-4-21	The seats and R point
CP-4-22	Protective Device
CP-4-23	Footrest
CP-4-24	Rear Registration Plate
CP-4-25	Side Stand

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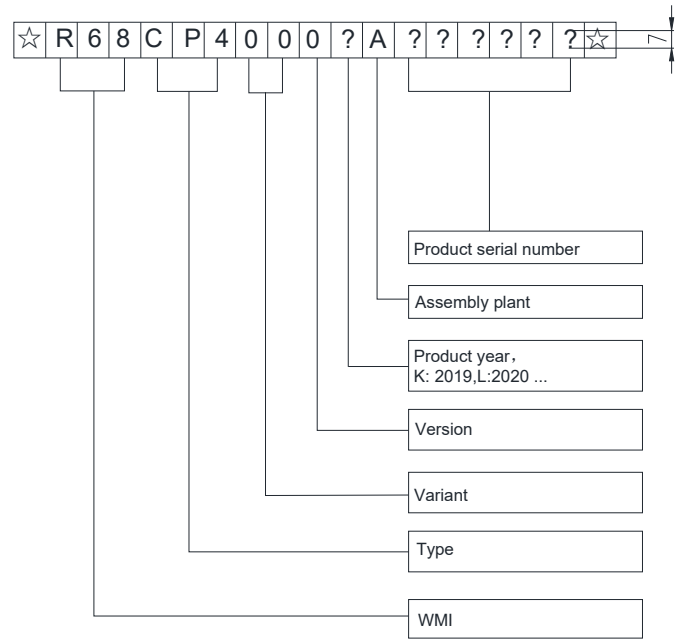
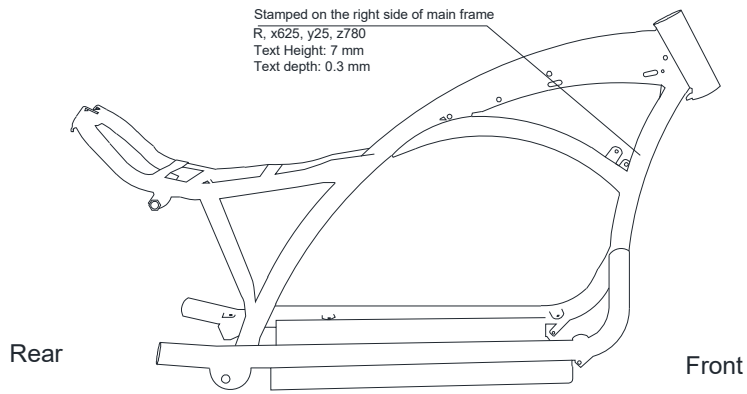
Front

Rear



Text Height: 3 mm
 Text depth: 0.3 mm

Title	Manufacturer's Statutory Plate
Drawing NO.	CP-4-01



Title	Vehicle Identification Number
Drawing NO.	CP-4-02

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Option 1

Title	Photos of A Representative Vehicle
Drawing NO.	CP-4-03

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Option 2

<u>Title</u>	<u>Photos of A Representative Vehicle</u>
<u>Drawing NO.</u>	<u>CP-4-03-1</u>

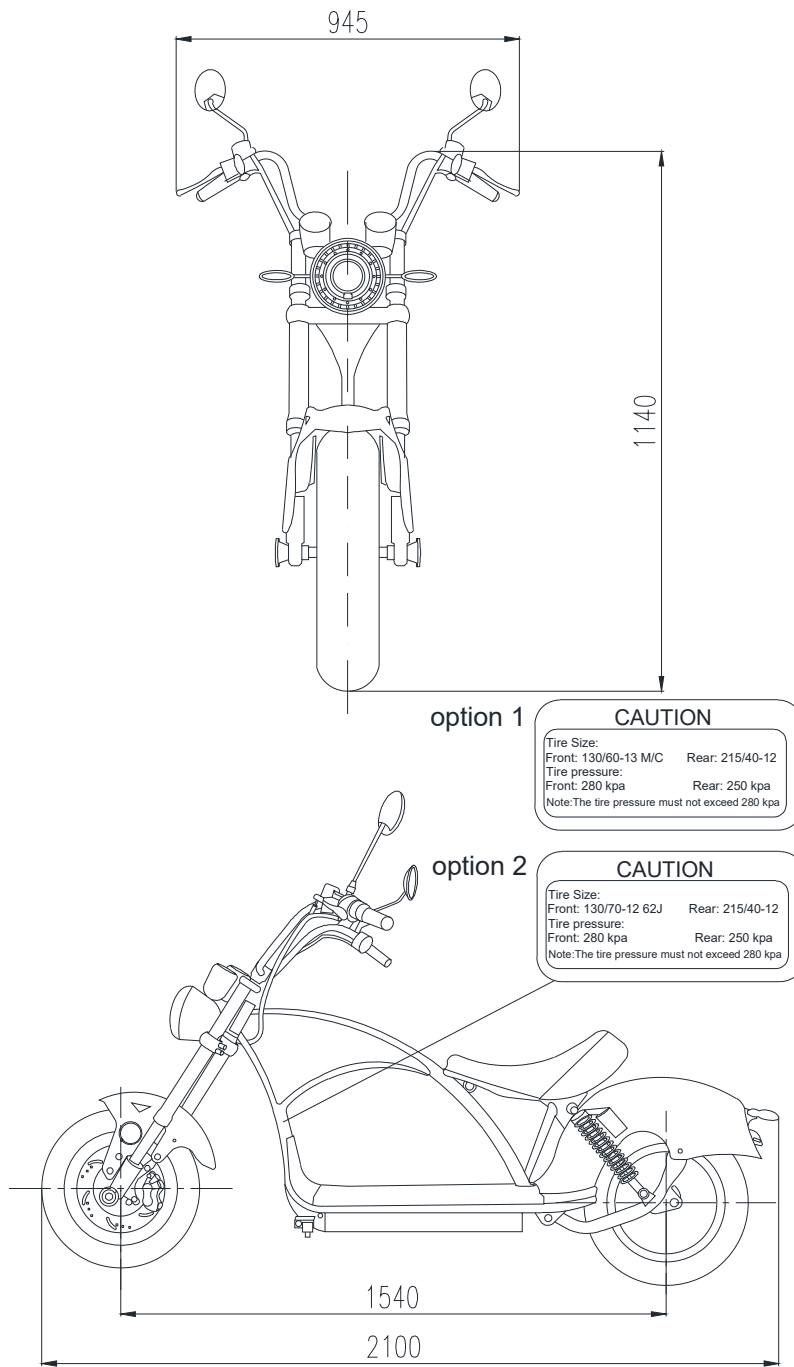


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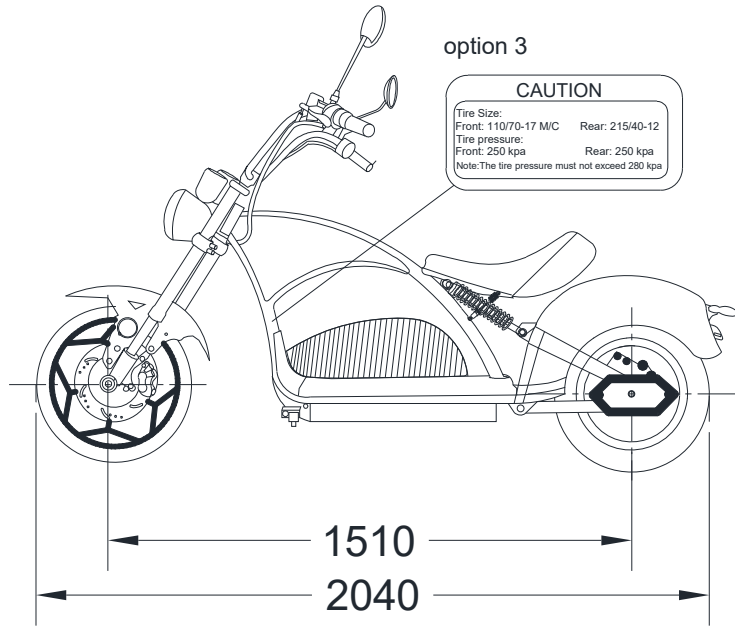
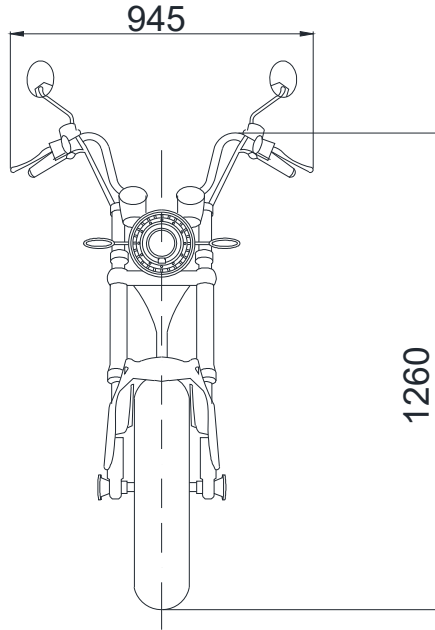
Option 3

<u>Title</u>	<u>Photos of A Representative Vehicle</u>
<u>Drawing NO.</u>	<u>CP-4-03-2</u>



Option 1 and Option 2

Title	Dimension Measured on Vehicle
Drawing NO.	CP-4-04

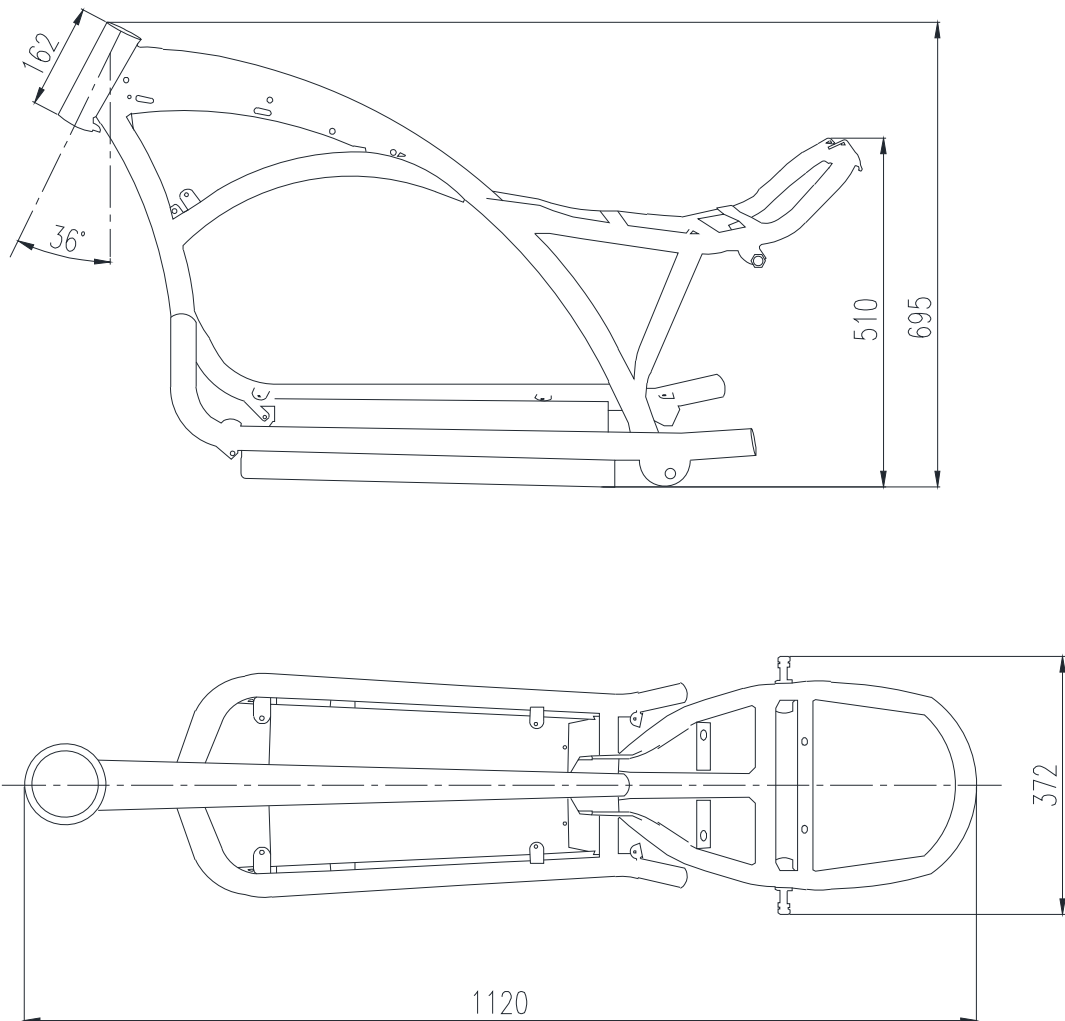


Option 3

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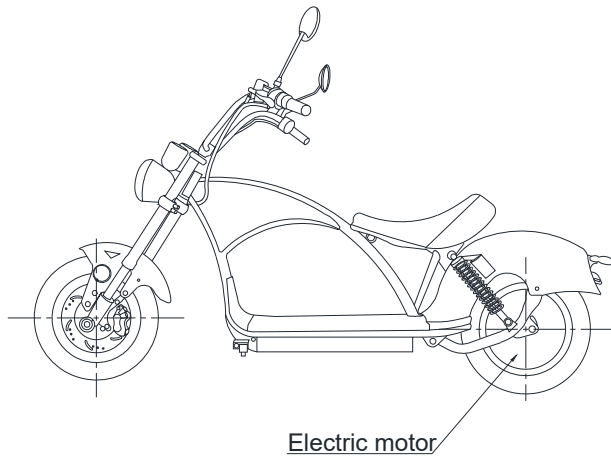
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<u>Title</u>	<u>Dimension Measured on Vehicle</u>
<u>Drawing NO.</u>	<u>CP-4-04-1</u>

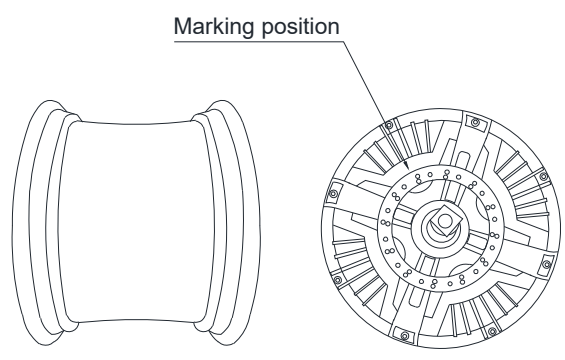


Material: steel

Title	Chassis
Drawing NO.	CP-4-05



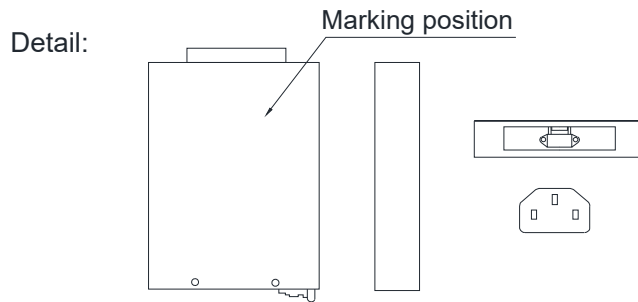
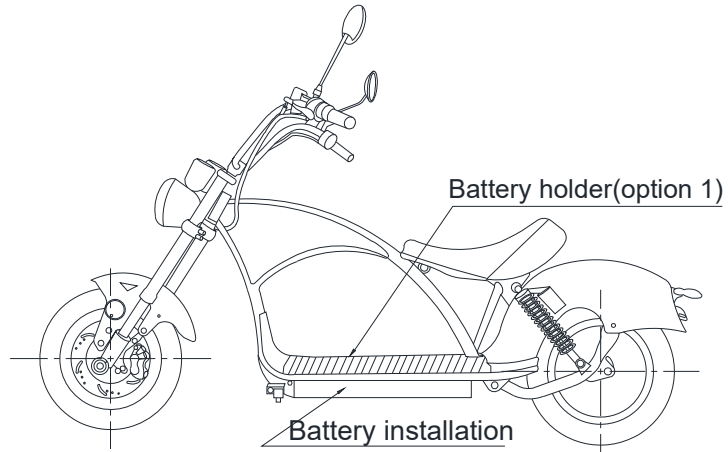
Detail:



Manufacturer: Yongkang Changpao Industry and Trade Co., Ltd.
Type: SS60V12C
Marking: SS60V12C

Title	Electric Motor
Drawing NO.	CP-4-06

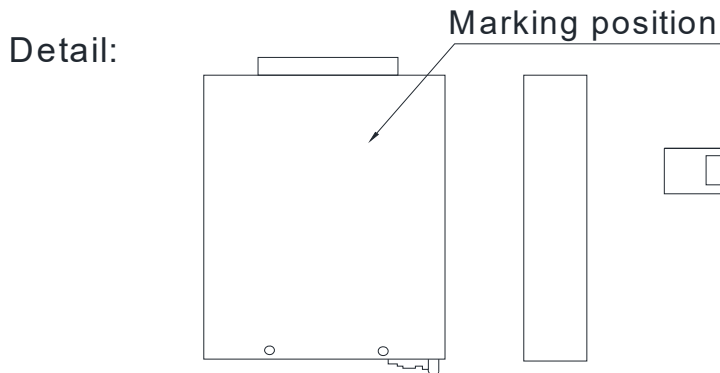
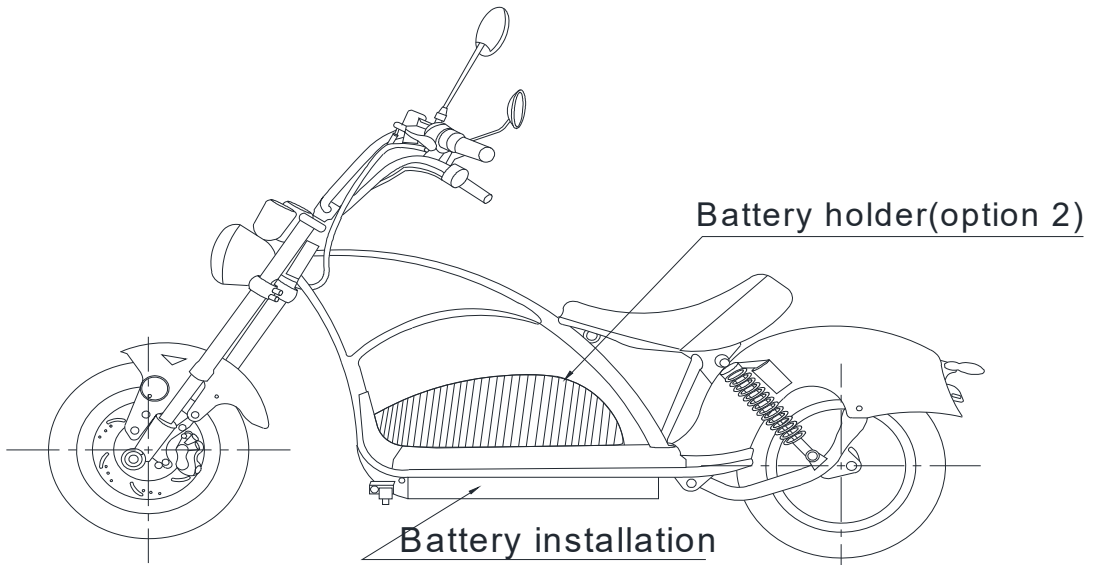
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Marking: 18650

Battery holder (option 1)

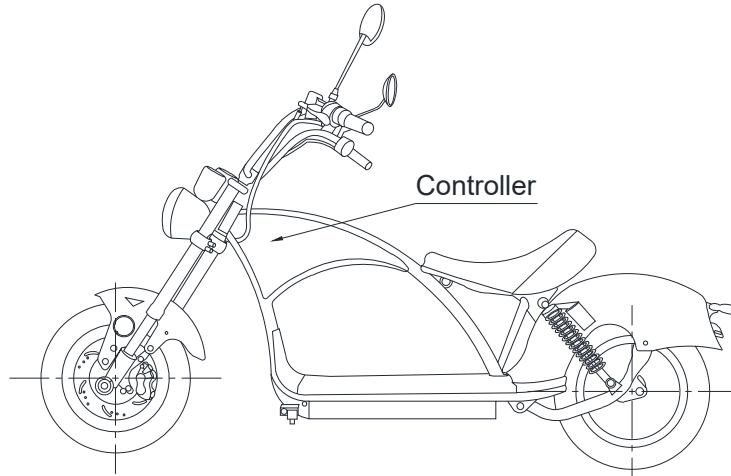
Title	Location of The Propulsion Batteries
Drawing NO.	CP-4-07



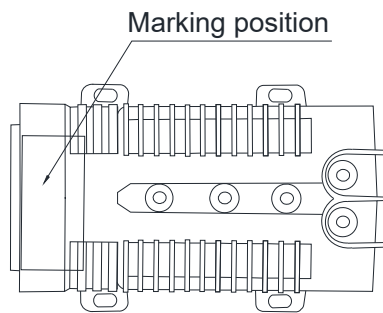
Marking: 18650

Battery holder (option 2)

<u>Title</u>	<u>Location of The Propulsion Batteries</u>
<u>Drawing NO.</u>	<u>CP-4-07-1</u>

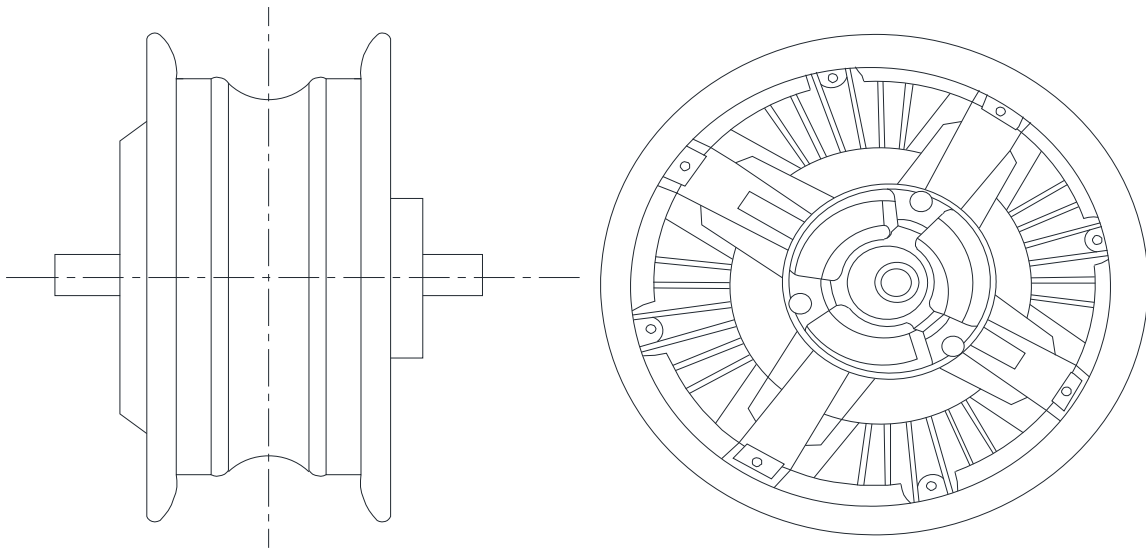


Detail:



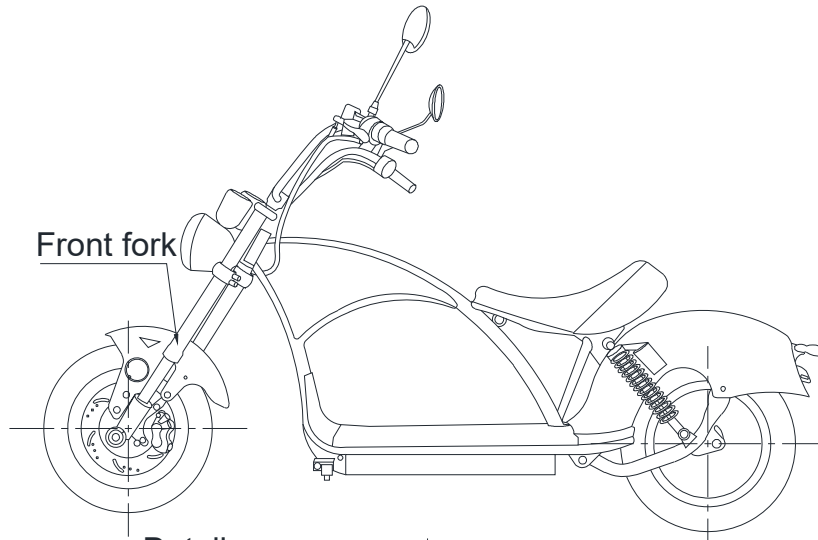
Manufacturer: Wuxi Xinge Electrical & Technology Co., Ltd.
Type: SS12-60V-YTC
Marking: SS12-60V-YTC

Title	Controller
Drawing NO.	CP-4-08

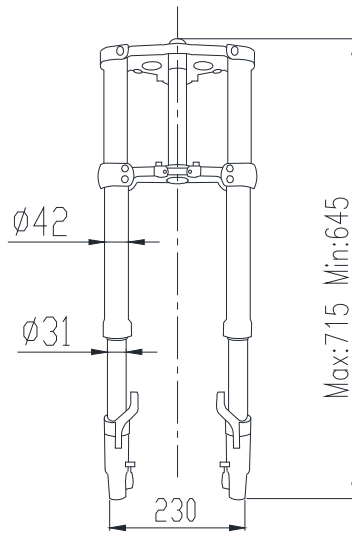


The wheel motor drives the wheels to rotate.

Title	Drive train
Drawing NO.	CP-4-09

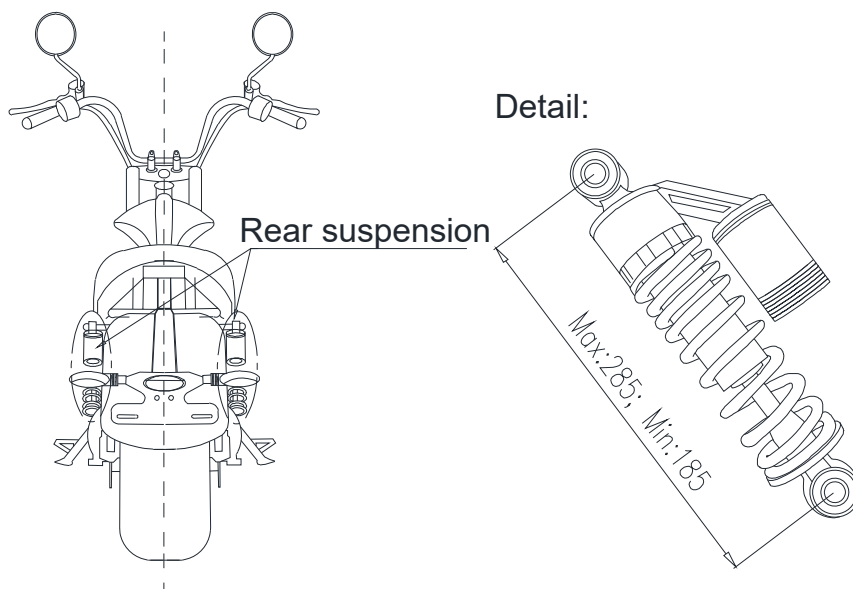
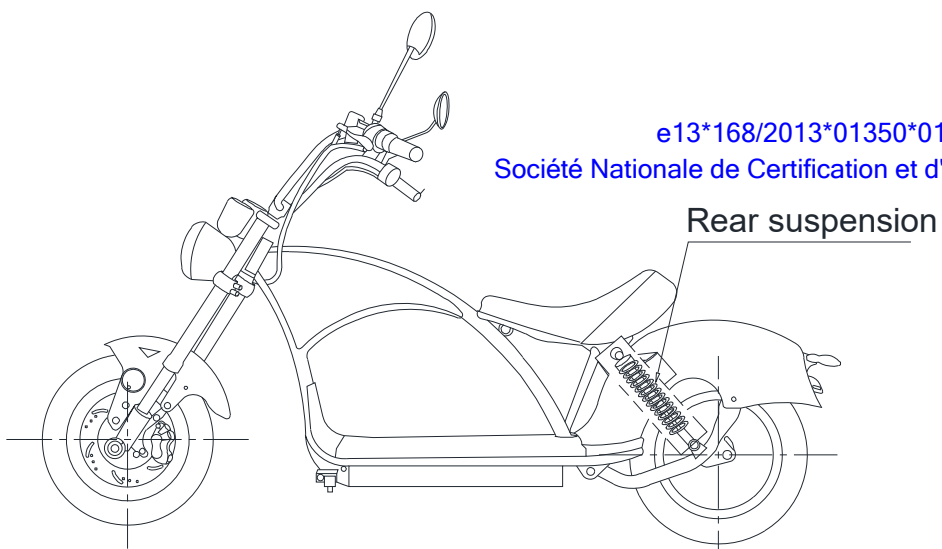


Detail:



Title	Front suspension
Drawing NO.	CP-4-10

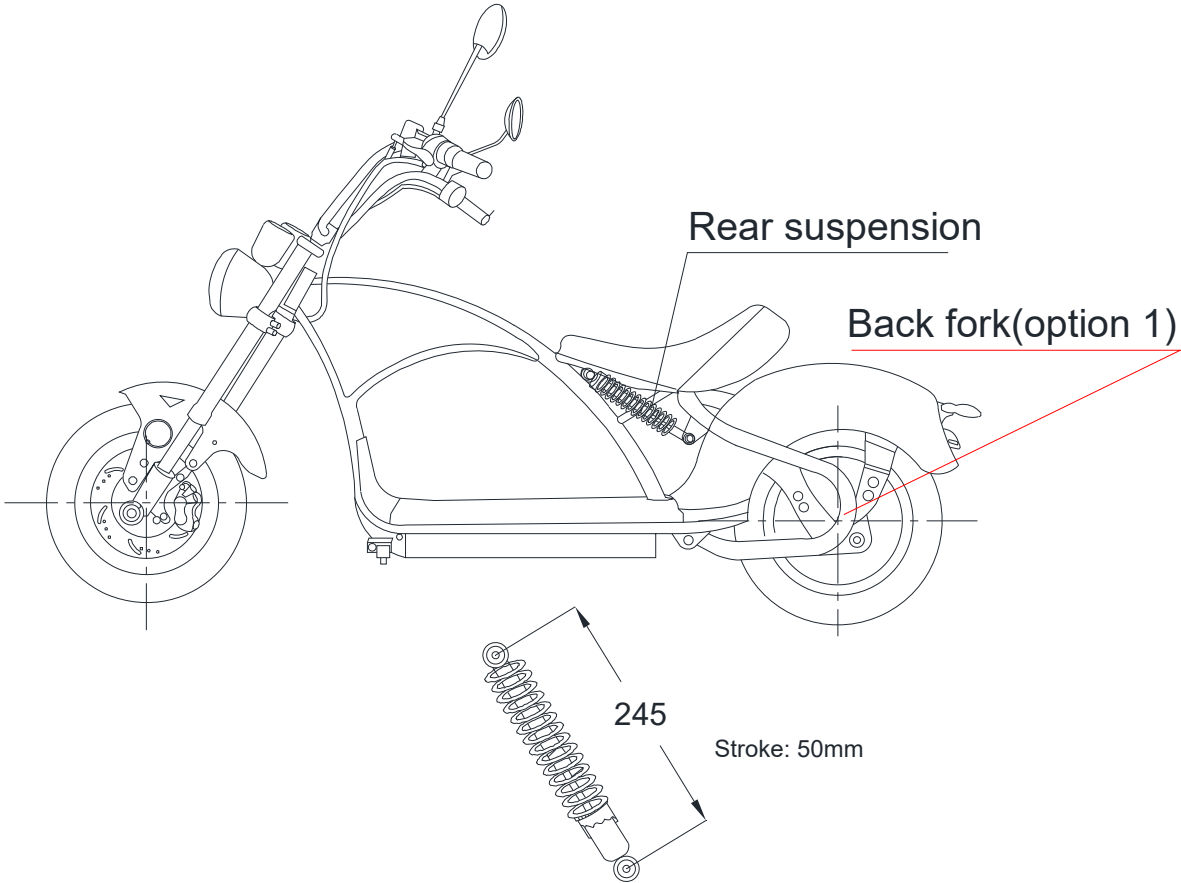
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Spring stroke: 100 mm

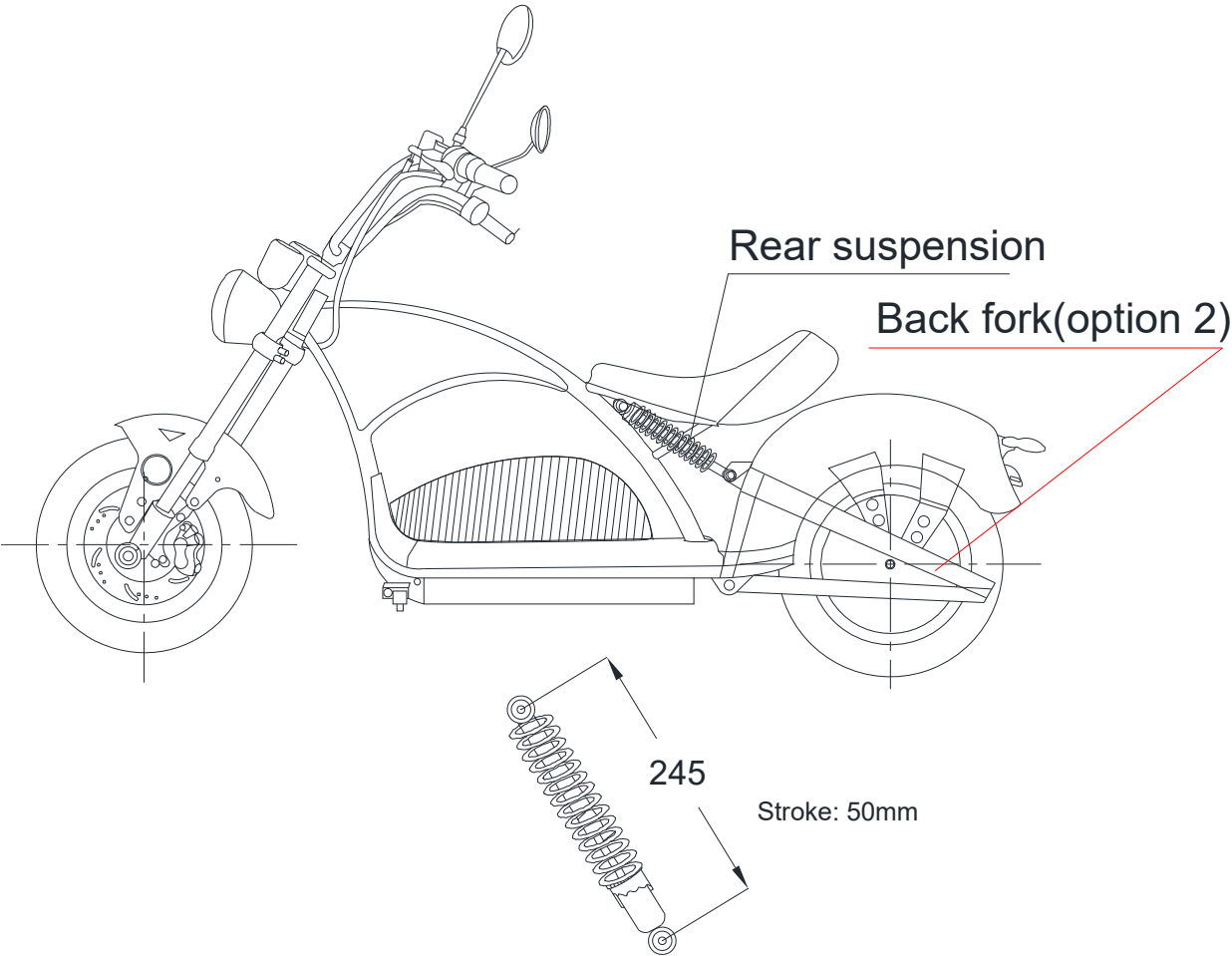
Rear suspension Option 1

Title	Rear suspension
Drawing NO.	CP-4-11



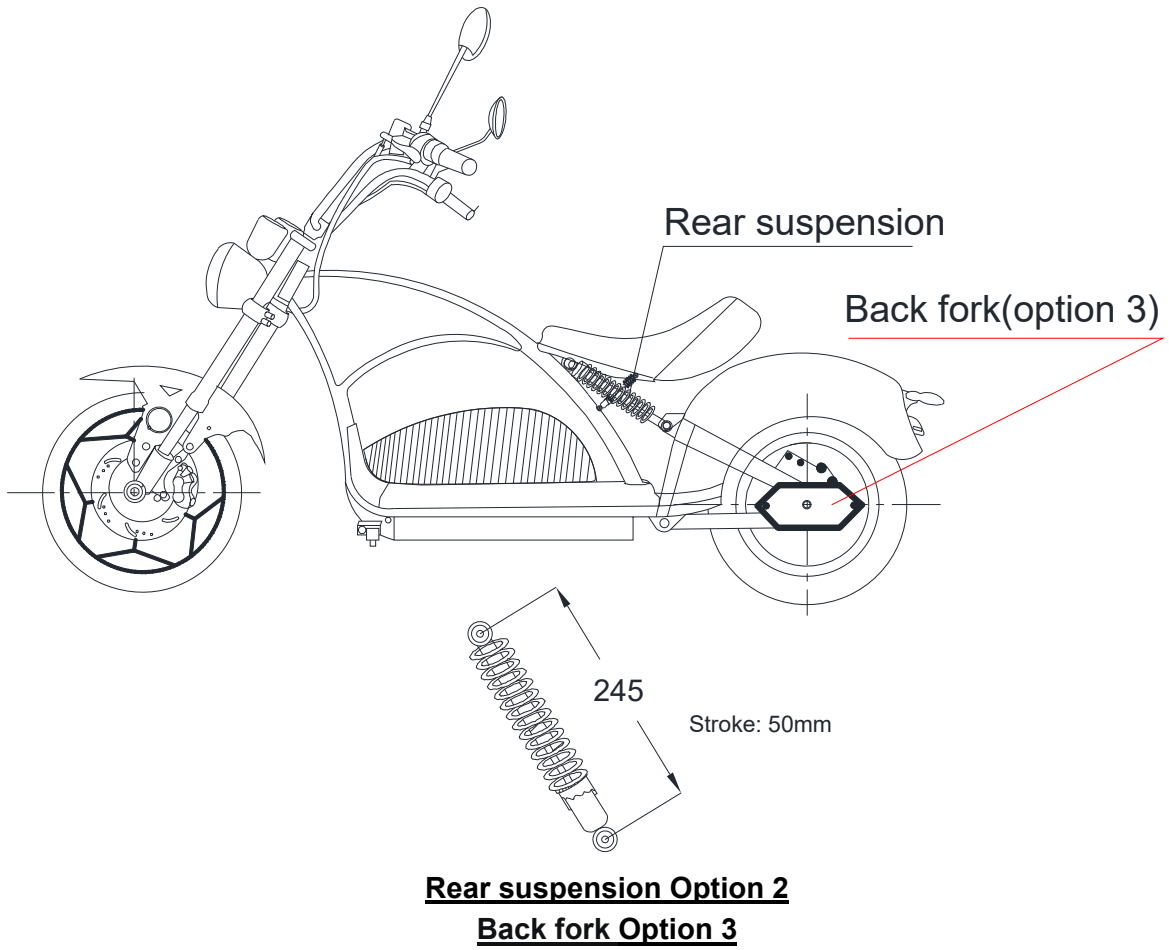
Rear suspension Option 2
Back fork Option 1

Title	Rear suspension
Drawing NO.	CP-4-11-1

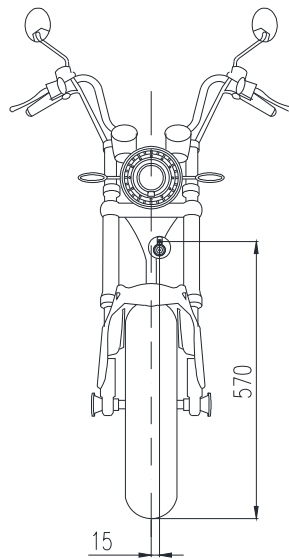


Rear suspension Option 2
Back fork Option 2

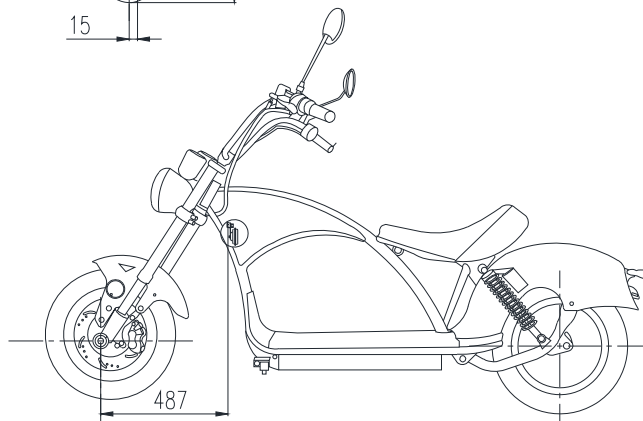
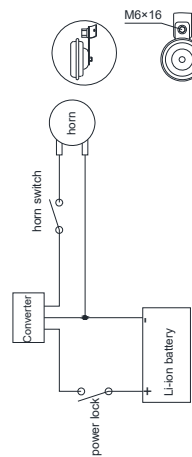
<u>Title</u>	<u>Rear suspension</u>
<u>Drawing NO.</u>	<u>CP-4-11-1-1</u>



<u>Title</u>	<u>Rear suspension</u>
<u>Drawing NO.</u>	<u>CP-4-11-1-2</u>

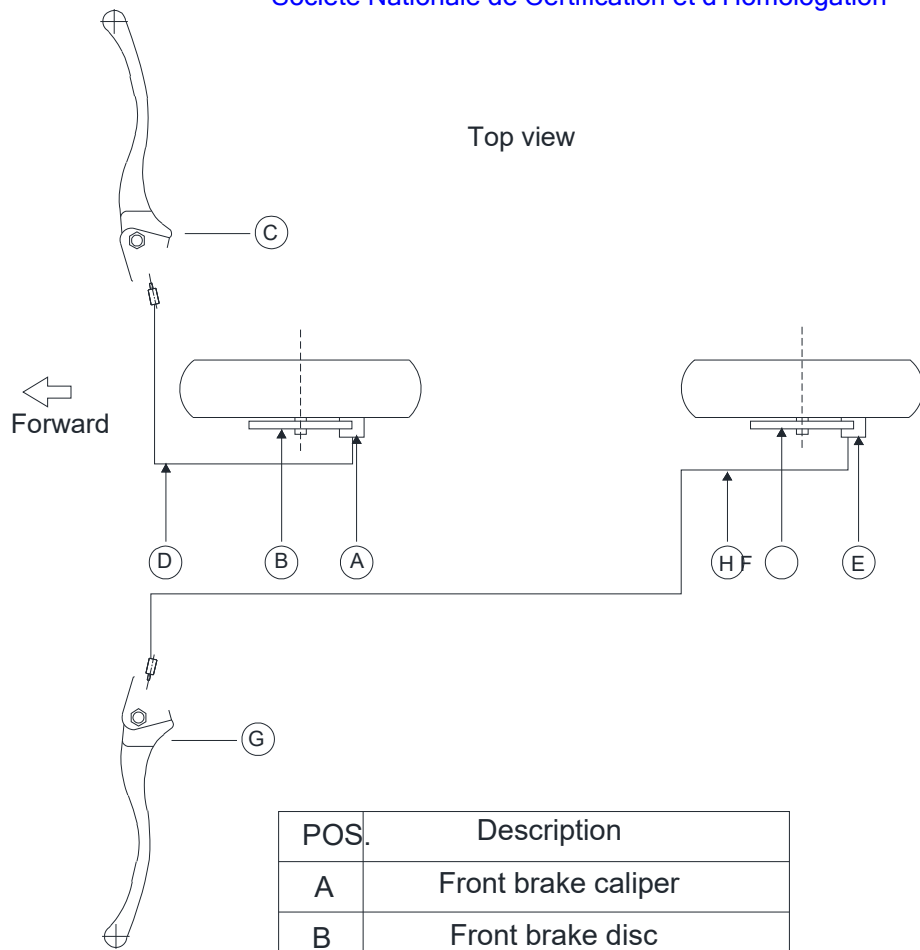


Detail:



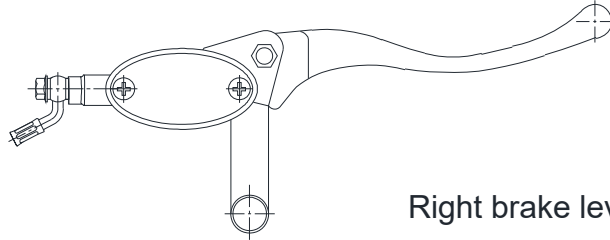
Make: LVEE
 Type: DL70-II
 Approval mark: II E32 000002

Title	Location of The Audible Warning Device
Drawing NO.	CP-4-12

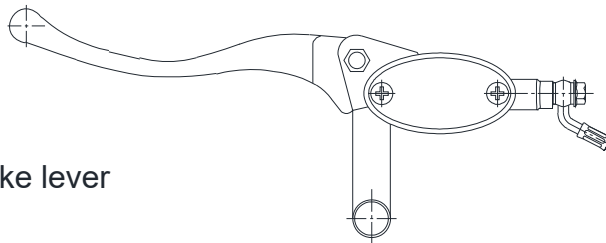


POS.	Description
A	Front brake caliper
B	Front brake disc
C	Front brake pump with lever
D	Front brake oil pipe
E	Rear brake caliper
F	Rear brake disc
G	Rear brake pump with lever
H	Rear brake oil pipe

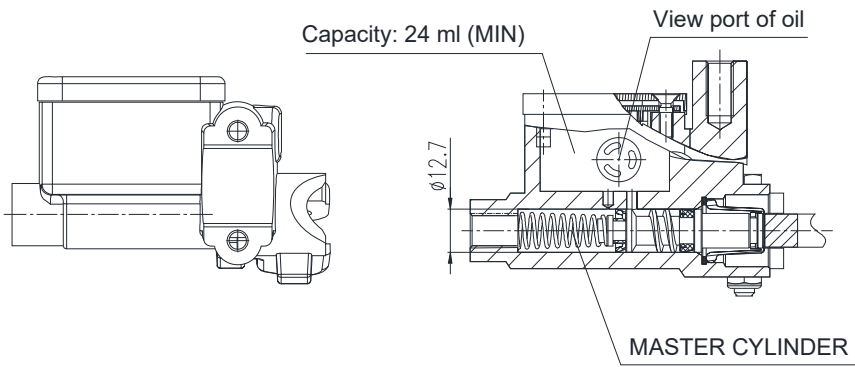
Title	Brake System
Drawing NO.	CP-4-14



Right brake lever



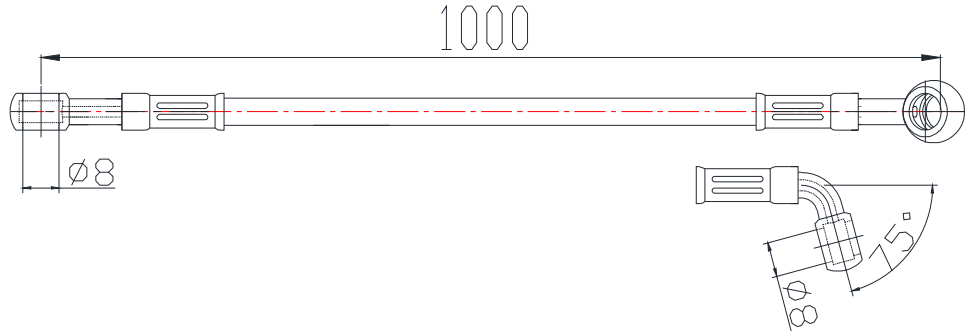
Left brake lever



Piston area: 126.6 mm²

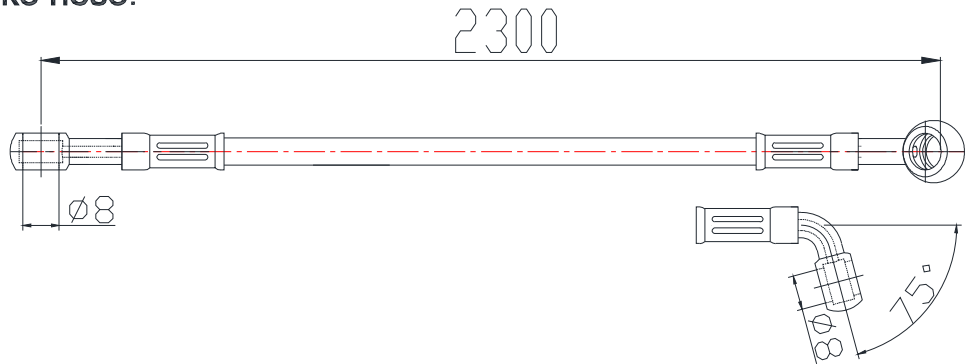
Title	Hydraulic reservoir
Drawing NO.	CP-4-14-1

Front brake hose:



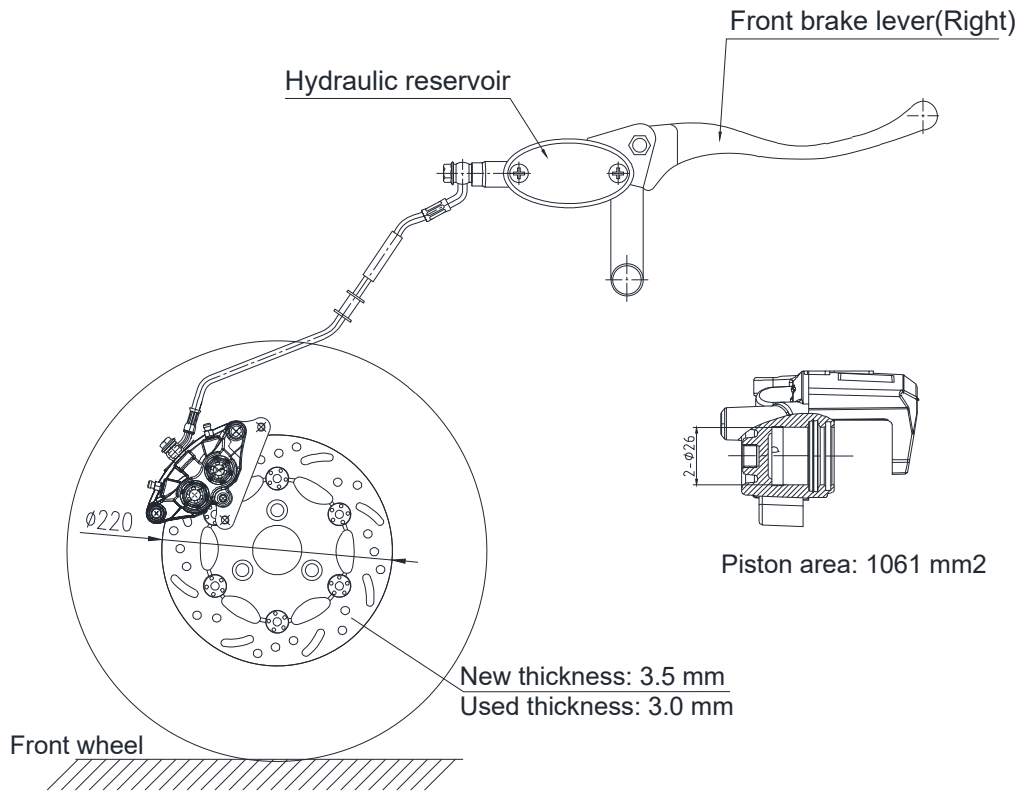
Brake pipe inner diameter: 3.2; outer diameter: 10

Rear brake hose:



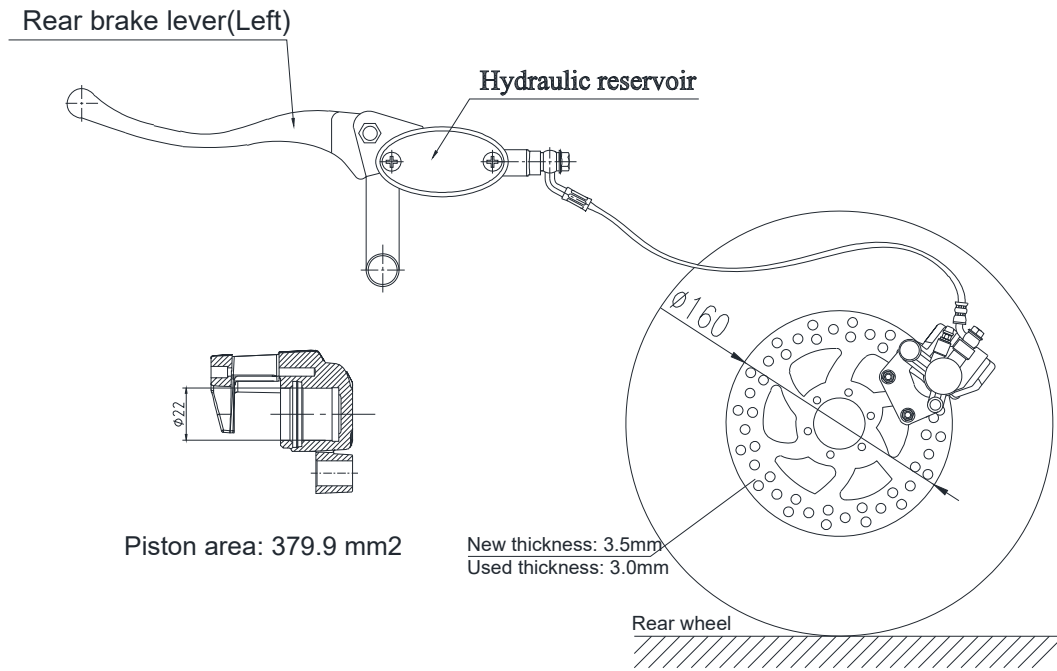
Brake pipe inner diameter: 3.2; outer diameter: 10

Title	Brake hose
Drawing NO.	CP-4-14-2



Manufacturer: Wenzhou Anjie Automobile Distribution Co., Ltd.
 Type: ZJL-H7Q

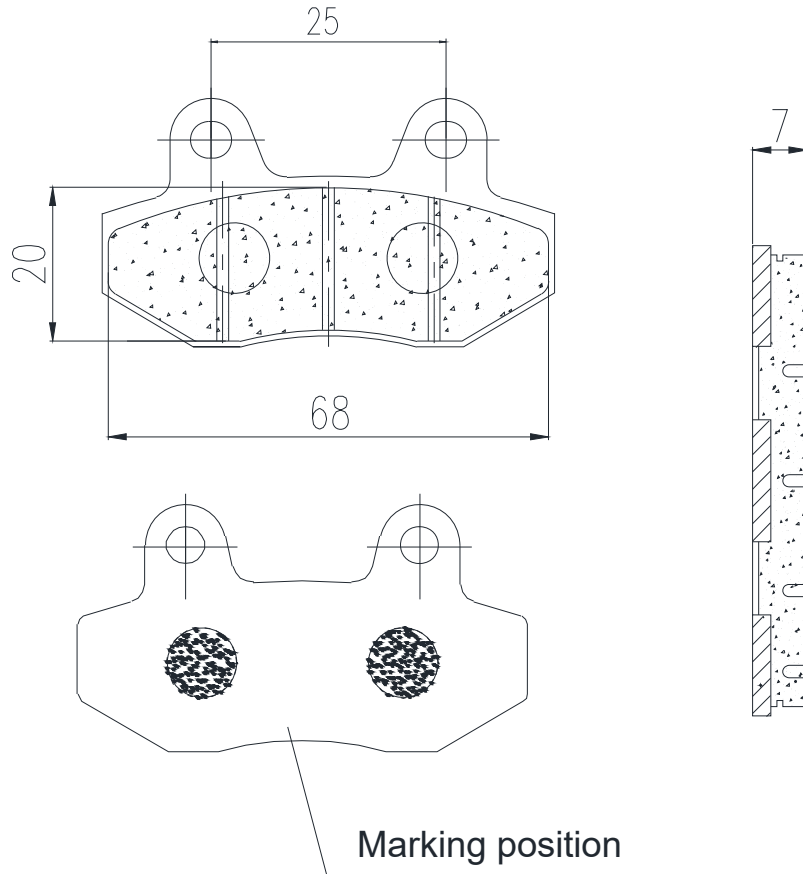
Title	Front brake system
Drawing NO.	CP-4-14-3



Manufacturer: Wenzhou Anjie Automobile Distribution Co., Ltd.
 Type: ZJL-H7H

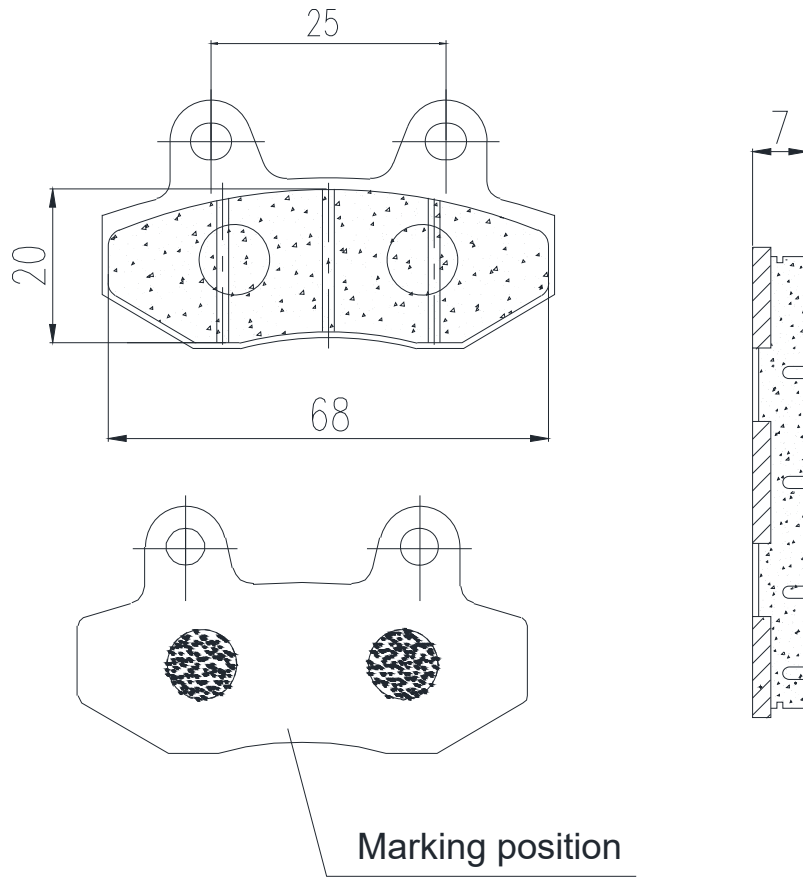
Title	Rear brake system
Drawing NO.	CP-4-14-4

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Effective brake area: 1281×2 mm²
 Manufacturer: Wenzhou Anjie Automobile Distribution Co., Ltd.
 Marking: RL8031A
 Material: Metal ceramic, CaSiO₃
 Asbestos free

Title	Front Brake pads
Drawing NO.	CP-4-14-5



Effective brake area: 1281×2 mm²

Manufacturer: Wenzhou Anjie Automobile Distribution Co., Ltd.

Marking: RL8031A

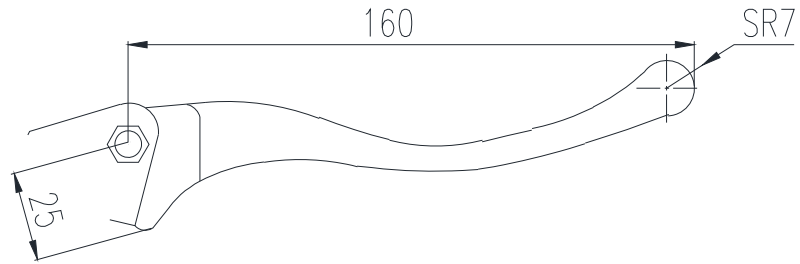
Material: Metal ceramic, CaSiO₃

Asbestos free

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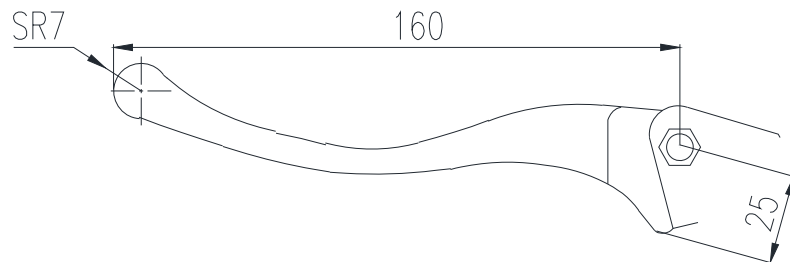
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Title	Rear Brake Pads
Drawing NO.	CP-4-14-6



Lever ratio: 6.4

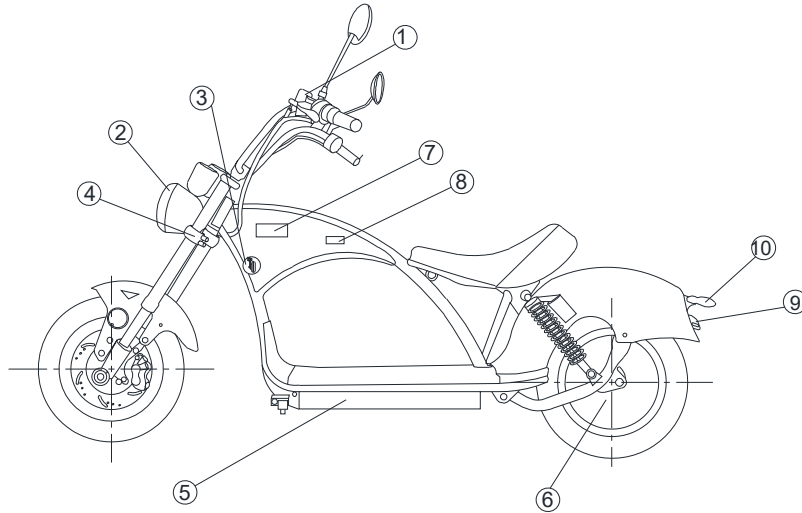
Rear brake lever (Left lever) :



Lever ratio: 6.4

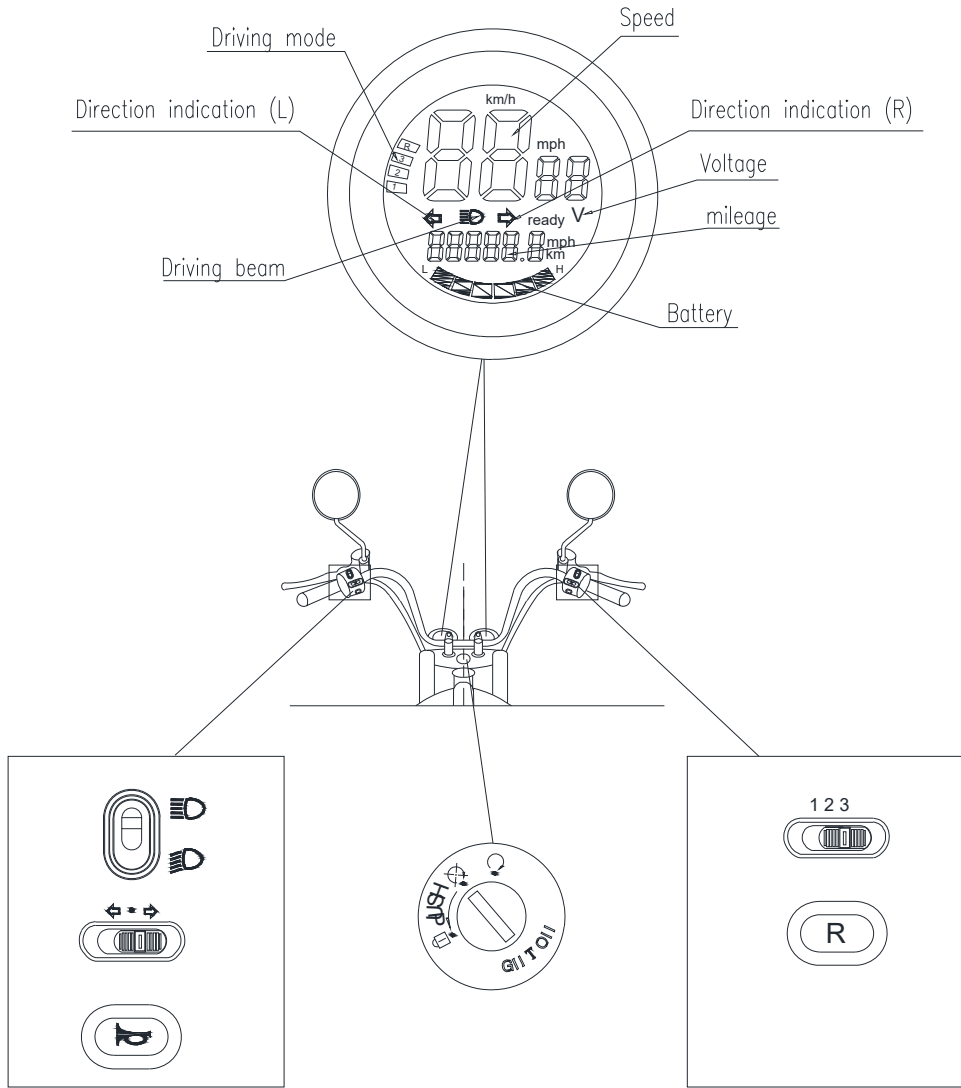
Title	Brake Levers
Drawing NO.	CP-4-14-7

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

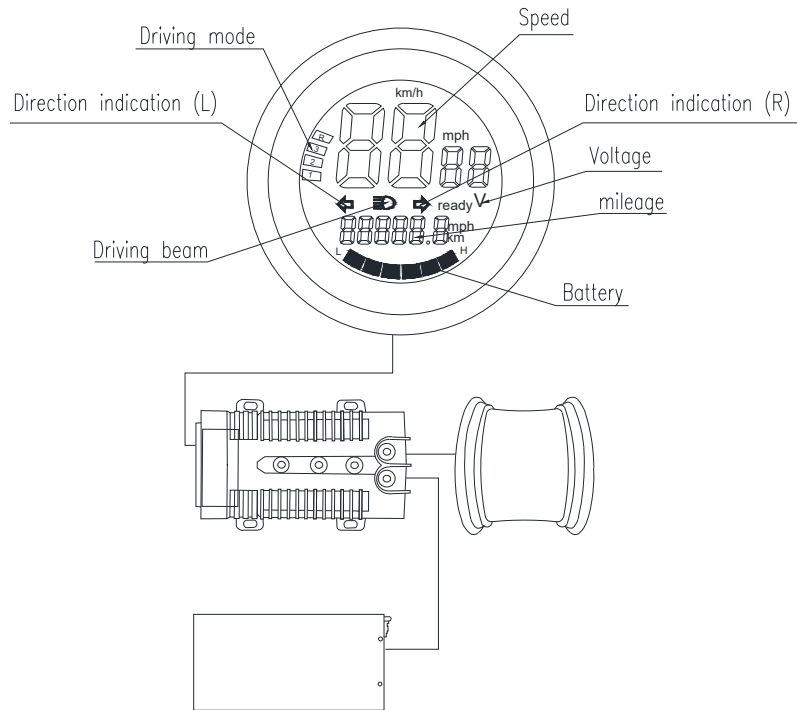
Title	Power Circuit Components Installation
Drawing NO.	CP-4-15



Title	Controls, Tell-Tales And Indicators
Drawing NO.	CP-4-16

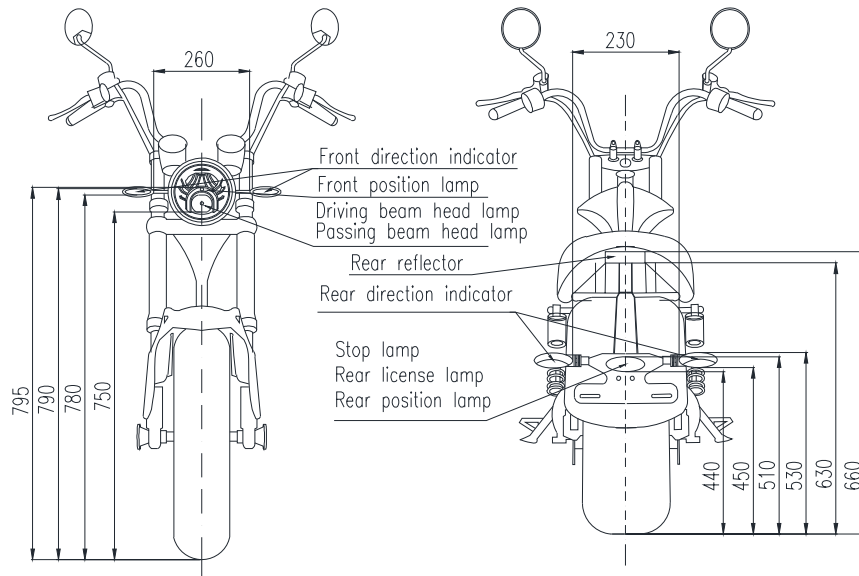
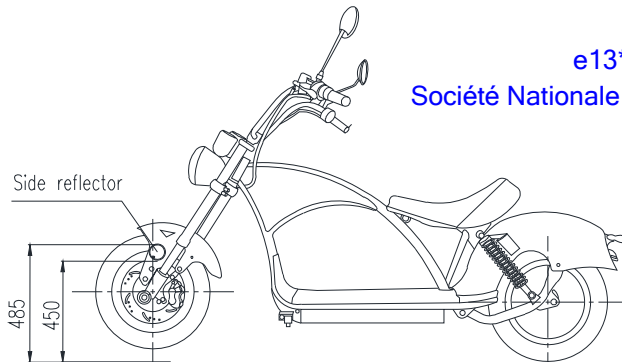
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Directly connect to the controller.



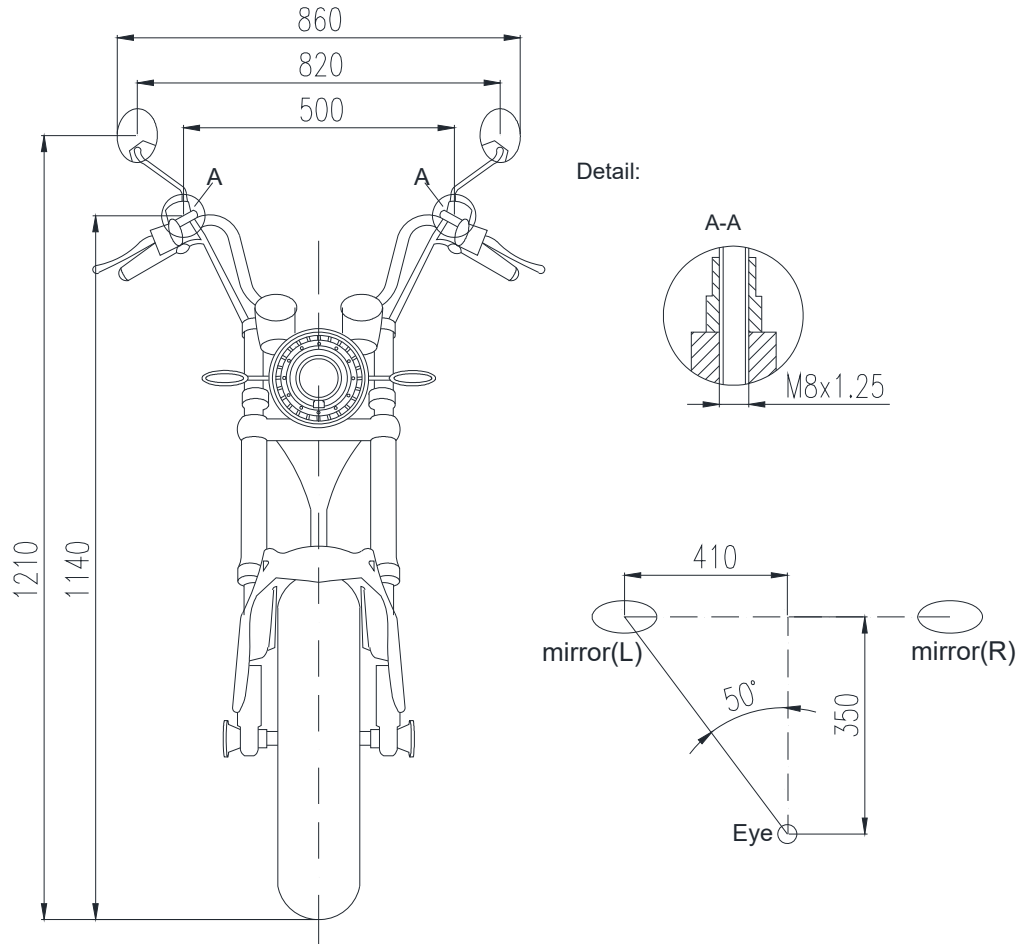
Manufacturer: Luqiao Jingxian Electronics Co., Ltd.
Type: HL3.0

Title	Speedometer and odometer
Drawing NO.	CP-4-17

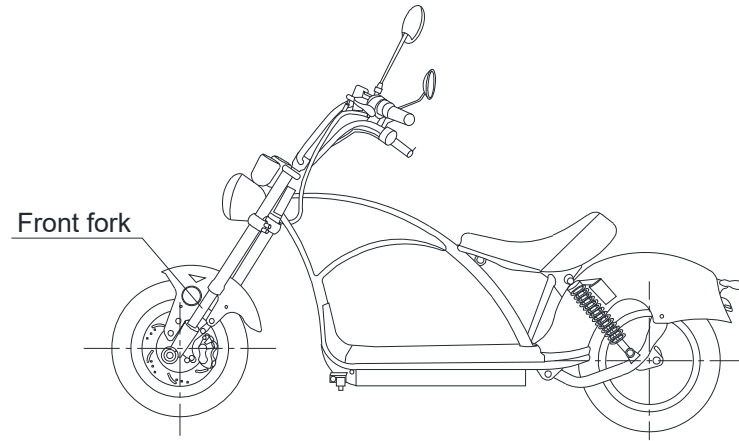


<u>Devices</u>	<u>Option</u>	<u>Approval</u>
<u>Driving Beam Headlamp</u>	1	E57*113R02/00*0031*00
<u>Passing Beam Headlamp</u>	2	<u>E4*113R02/00*27489*00</u>
<u>Front Position Lamp</u>	1	E57*50R00/20*0031*00
	2	<u>E4*50R00/20*27489*00</u>

<u>Title</u>	<u>Location of Lights</u>
<u>Drawing NO.</u>	<u>CP-4-18</u>

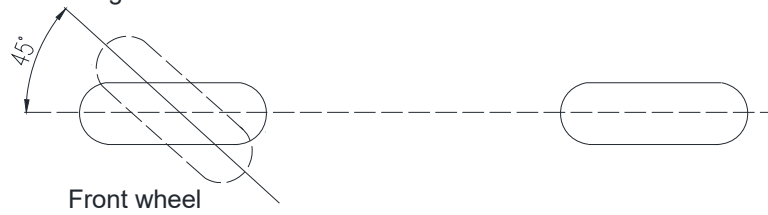


Title	Location of Rear View Mirror
Drawing NO.	CP-4-19

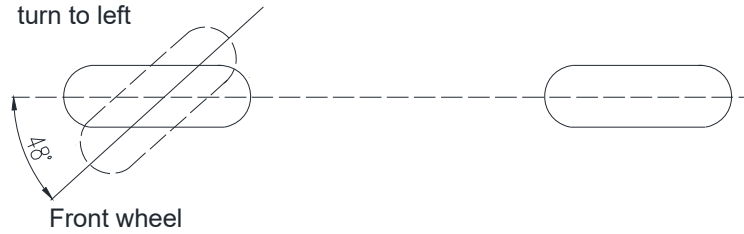


Detail:

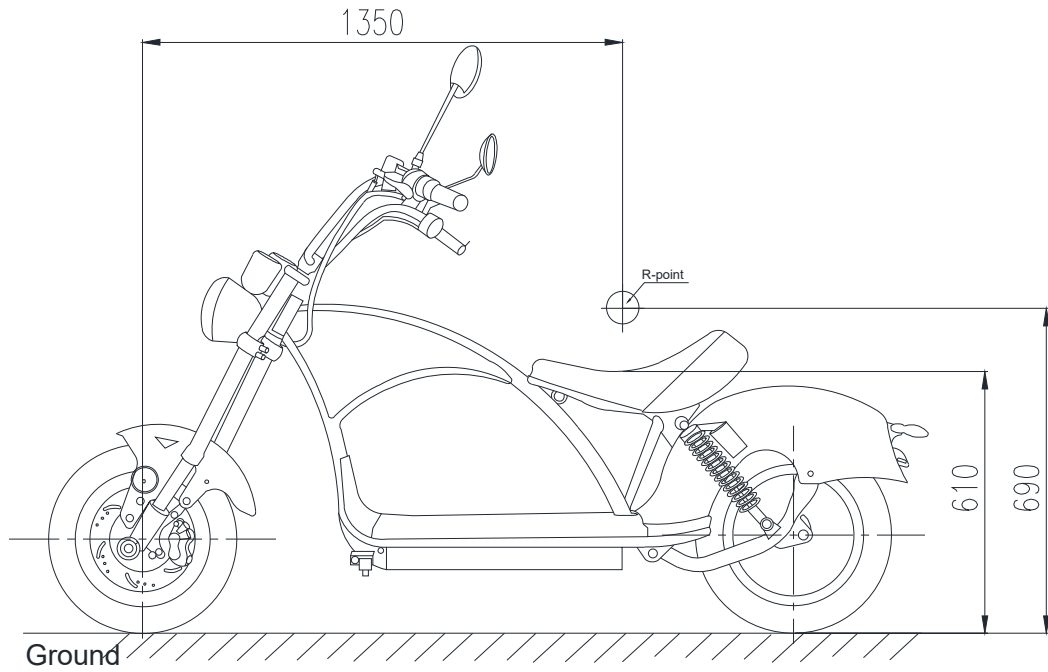
turn to right



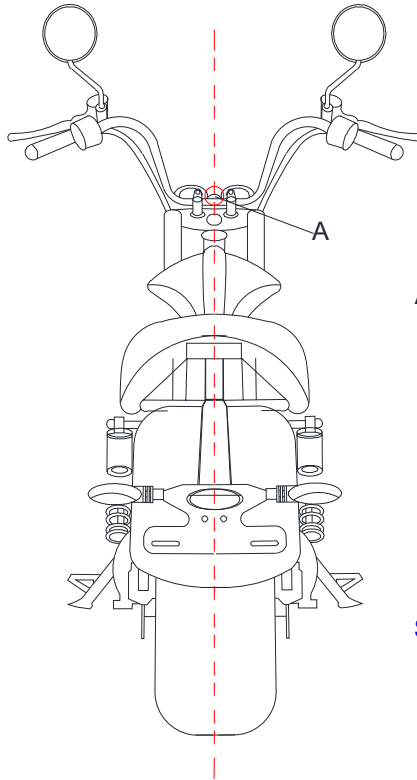
turn to left



Title	Transmission and Control of Steering
Drawing NO.	CP-4-20



Title	The seats and R point
Drawing NO.	CP-4-21

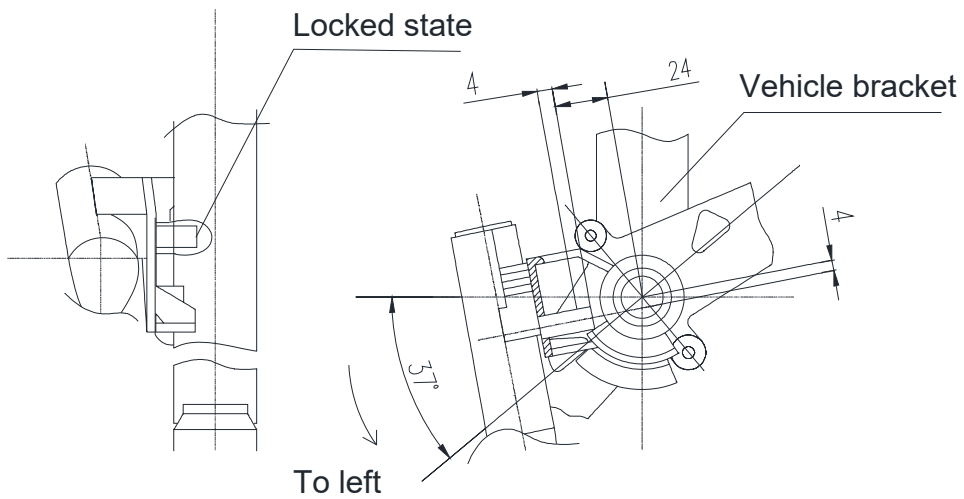


A Detail:

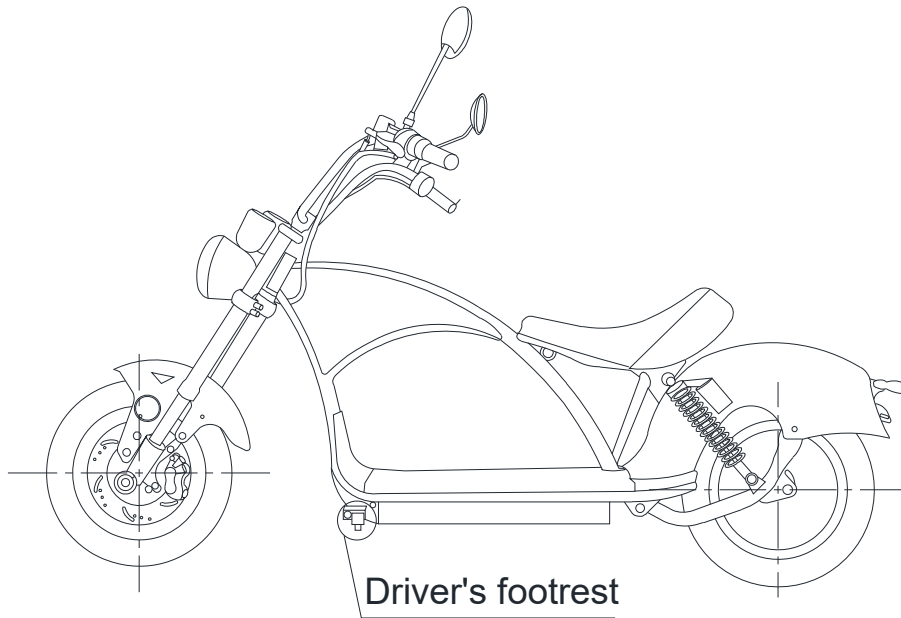


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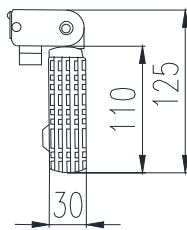
Société Nationale de Certification et d'Homologation



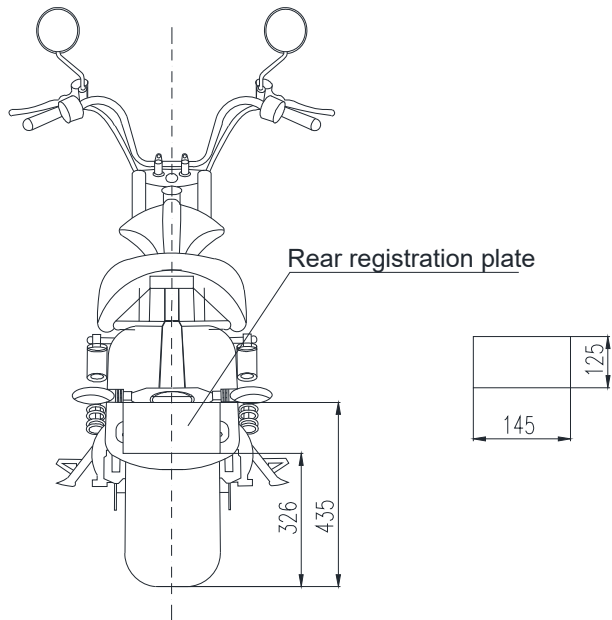
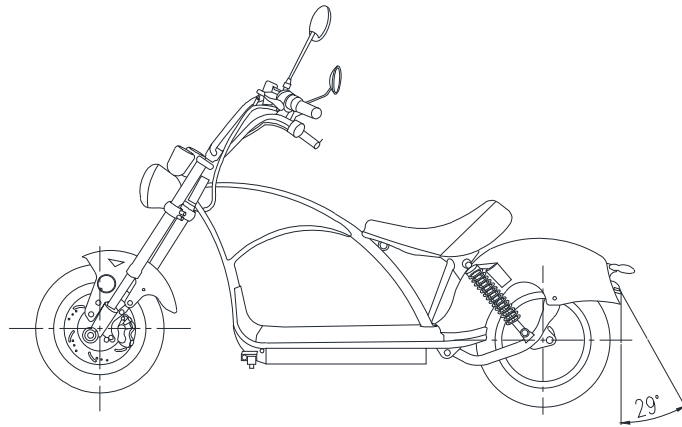
Title	Protective Device
Drawing NO.	CP-4-22



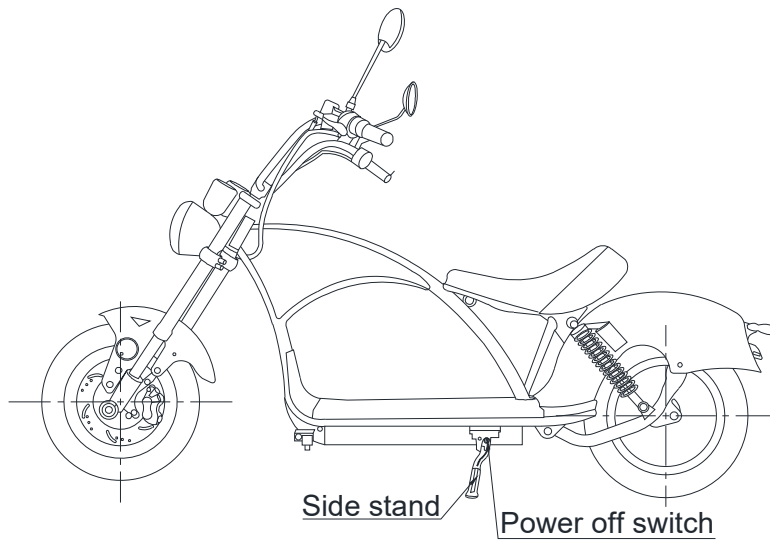
Detail:



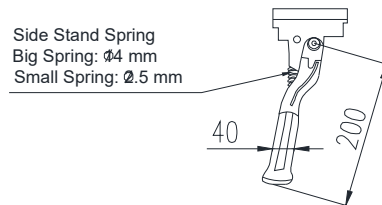
Title	Footrest
Drawing NO.	CP-4-23



Title	Rear Registration Plate
Drawing NO.	CP-4-24



Detail:



Title	Side Stand
Drawing NO.	CP-4-25

Type: CP-4 Appendix 5	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
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Manufacturer's statement on endurance testing (Annex V to Commission Delegated Regulation (EU) No 3/2014)

The undersigned: Wu qiang /general manager

e13*168/2013*01350*01

Société Nationale de Certification et d'Homologation

Company name and address of manufacturer:

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET MONG KOK,
KOWLOON, HONG KONG

Name and address of the manufacturer's representative (if any):

MINIMOTOS SPORT, S.L.
C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLENT, ALICANTE, SPAIN

Hereby states that the vehicles:

- 0.1. Make (trade name of the manufacturer): SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI
- 0.2. Type: CP-4
 - 0.2.1. Variant(s): 00
 - 0.2.2. Version(s): 0
 - 0.2.3. Commercial name(s) (if available): electric scooter
- 0.3. Category, subcategory and sub-subcategory of vehicle: L1e-B

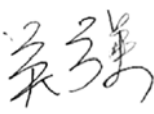
for which type-approval is sought shall withstand normal use as intended for at least 16500 km travelled within five years of first registration, taking into account regular and scheduled maintenance and specific equipment adjustments, as described clearly and unambiguously in the instructions manual 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

Date: 20 June.2023

Signature: 

Name and position in the company : Wu qiang/general manager

Type: CP-4 Appendix 6	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
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Manufacturer's statement on structure integrity (Annex XIX to Commission Delegated Regulation (EU) No 3/2014)

The undersigned: Wu qiang /general manager

Company name and address of manufacturer:

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET MONG KOK,
KOWLOON, HONG KONG

Name and address of the manufacturer's representative (if any):

MINIMOTOS SPORT, S.L.
C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLEN, ALICANTE, SPAIN

Hereby states that the vehicles: e13*168/2013*01350*01
Société Nationale de Certification et d'Homologation

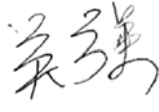
- 0.1. Make (trade name of the manufacturer): SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI
- 0.2. Type: CP-4
 - 0.2.1. Variant(s): 00
 - 0.2.2. Version(s): 0
 - 0.2.3. Commercial name(s) (if available): electric scooter
- 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 Date: 20 June.2023

Signature: 

Name and position in the company : Wu qiang/general manager

Type: CP-4	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023
Appendix 7		Ext. : 01

Manufacturer's certificate on access to ~~vehicle OBD (stage I)~~ and vehicle repair and maintenance information

Reference number: CP-4-01

The undersigned: Wu qiang /general manager

Company name and address of manufacturer:

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET MONG KOK,
KOWLOON, HONG KONG

Name and address of the manufacturer's representative (if any):

MINIMOTOS SPORT, S.L.
C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLENT, ALICANTE, SPAIN

Hereby states that the vehicles:

it provides access to ~~vehicle OBD~~ and vehicle repair and maintenance information in compliance with

- Chapter XV of Regulation (EU) No 168/2013

with respect to the types of vehicle, engine and pollution-control device listed in Addendum 1 to this certificate.

The following derogation is applied: ~~carry over systems.~~

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

Date: 20 June.2023

e13*168/2013*01350*01

Société Nationale de Certification et d'Homologation

Signature:



Name and position in the company: Wu qiang/general manager

Addenda:

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

Type: CP-4 Appendix 7	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
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e13*168/2013*01350*01
Société Nationale de Certification et d'Homologation

Addendum 1
to

Manufacturer's certificate with reference number CP-4-01 on access to ~~vehicle OBD (stage I) and~~
vehicle repair and maintenance information

List of the types of vehicle:

0.2. Type: CP-4

0.2.1. Variant(s): 00

0.2.2. Version(s): 0

0.2.3. Commercial name(s) (if available): electric scooter

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

1. Type-approval number including extension number (if available): N.A.

1.1. Type-approval issued on (date, if available): N.A.

List of the types of engines:

3. ~~Combustion engine~~/ electric motor/hybrid application code: SS60V12C

3.1. Type-approval number (if available): N.A.

3.2. Type-approval issued on (date, if available): N.A.

List of the types of pollution-control devices:

0.7. Make(s) (trade name(s) of manufacturer): N.A.

0.8. Type: N.A.

0.8.1. Commercial name(s) (if available): N.A.

0.8.2. Type-approval number including extension number (if available): N.A.

0.8.3. Type-approval issued on (date, if available): N.A.

Addendum 2
to

Manufacturer's certificate with reference number CP-4-01 on access to ~~vehicle OBD (stage I) and~~
vehicle repair and maintenance information

Web site addresses referred to in this certificate:

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

Type: CP-4	ZHEJIANG YIXING INDUSTRY AND	Date :	20.06.2023
Appendix 7	TRADE LIMITED	Ext. :	01

Addendum 3

to

Manufacturer's certificate with reference number CP-4-01 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 and position in the company: ABDELLATIF KHALFI NASIRI

TEL: + 00346763856697

E-mail: abdulkhalfi@gmail.com

[e13*168/2013*01350*01](#)

[Société Nationale de Certification et d'Homologation](#)

Type: CP-4 Appendix 8	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
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**Manufacturer's declaration on powertrain tampering prevention measures
(anti-tampering)**

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 manufacturer:

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET
MONG KOK, KOWLOON, HONG KONG

0.4.2 Name and address of the manufacturer's representative (if any):

MINIMOTOS SPORT, S.L.
C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLENT, ALICANTE, SPAIN

Hereby declares that:

For the ~~L1e/L2e, (L3e/L4e) A1/(L3e/L4e) A2/L6e/L7e~~ category vehicle:

0.1. Make (trade name of the manufacturer): SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI

0.2. Type: CP-4 e13*168/2013*01350*01
Société Nationale de Certification et d'Homologation

0.2.1. Variant(s): 00

0.2.2. Version(s): 0

0.2.3. Commercial name(s) (if available): electric scooter

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

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 if applicable;~~

~~(b) fuel feed and delivery system;~~

Type: CP-4 Appendix 8	ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED	Date : 20.06.2023 Ext. : 01
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- ~~(c) air intake system including air filter(s) (modification or removal);~~
- (d) propulsion battery configuration or electric power to the electric motor(s) if applicable;
- (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

For L3e-A2/L4e-A2/L7e category vehicles the manufacturer declares that:

The modifications and interchangeability of:

- ~~(a) spark delivery of the ignition system, if applicable;~~
- ~~(b) fuel feed and delivery system;~~
- ~~(c) air intake system including air filter(s) (modification or removal);~~
- ~~(d) the drive-train;~~
- ~~(e) the control unit(s) for the propulsion unit performance of the powertrain;~~
- ~~(f) removal of any component (mechanical, electrical, structural, etc.) which limits full engine load, leading to any change in the propulsion unit performance as approved in accordance with Annex II (A) to Regulation (EU) No 168/2013~~

~~shall comply with the requirements set out in point 5.2 of Annex II to Commission Delegated Regulation (EU) No 44/2014~~

Place: Hong Kong

Date: 20 June.2023

e13*168/2013*01350*01

Société Nationale de Certification et d'Homologation

Signature:



Name and position in the company : Wu qiang/general manager

Statement Concerning Authority of Signature on COC Paper


We, ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED. declare that the undersigned persons will be the authorized person to sign the COC paper of the vehicle.

Type: CP-4

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Société Nationale de Certification et d'Homologation

Specification of signature of COC:

Name	Position	Signature
Wu qiang	general manager	

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED

Place: Hong Kong

Date: 20.06.2023

COMPLETE VEHICLE EU CERTIFICATE OF COMFORMITY

The undersigned, Wu qiang < General Manager >
Hereby certifies that the following complete vehicle:

- 0.1. Make (trade name of the manufacturer): SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI
- 0.2. Type: CP-4
- 0.2.1. Variant: 00
- 0.2.2. Version: 0
- 0.2.3. Commercial name (if available): electric scooter
- 0.3. Category, subcategory and sub-subcategory of vehicle: L1e-B
- 0.4. Company name and address of manufacturer:
ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103,21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUEN STREET MONG KOK, KOWLOON HONG KONG
- 0.4.2. Name and address of manufacturer's authorized representative (if any):
MINIMOTOS SPORT, S.L.
Calle La Mitijana, n° 7, Polígono Industrial El Boch 03330 CREVILLENT (Alicante) - SPAIN
- 0.5.1. Location of the manufacturer's statutory plate(s): L, x815, y-110, z165
- 0.5.2. Method of attachment of the manufacturer's statutory plate(s): Riveted
- 0.6. Location of the vehicle identification number: R, x625, y25, z780
- 1. Vehicle identification number: ☆R68CP4000?A?????☆

conforms in all respects to the type described in EU type-approval (e13*168/2013*?????00 type-approval number including extension number) issued on (DD, MM, YYYY date of issue) and can be permanently registered in Member States having right/left-hand traffic and using metric/imperial units for the speedometer.

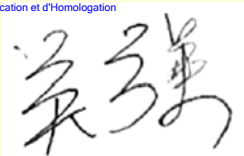
Hong Kong, China

DD, MM, YYYY

(place)

(date)

e13*168/2013*01350*01
Société Nationale de Certification et d'Homologation



(signature)

General construction characteristics

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

Main dimensions

- 2.2.1. Length: 2100 mm
- 2.2.2. Width: 945 mm
- 2.2.3. Height: 1140 mm
- 2.2.4. Wheelbase: 1540 mm
- 2.2.4.1. Wheelbase sidecar: N.A.
- 2.2.5. Track width
- 2.2.5.1. Track width front: N.A.
- 2.2.5.2. Track width rear: N.A.
- 2.2.5.3. Track width sidecar: N.A.
- 2.2.10.6. Ground clearance between the axles: N.A.
- 2.2.15. Wheelbase to ground clearance ratio: N.A.
- 2.2.17. Seat height: N.A.

Masses

- 2.1.1. Mass in running order: 61 kg
- 2.1.2. Actual mass: 143 kg
- 2.1.3. Technically permissible maximum laden mass: 173 kg
- 2.1.3.1. Technically permissible maximum mass on front axle: 50 kg
- 2.1.3.2. Technically permissible maximum mass on rear axle: 123 kg
- 2.1.3.3. Technically permissible maximum mass on sidecar axle: N.A.
- 2.1.7. Technically permissible maximum towable mass:
- Braked: N.A. Unbraked: N.A.
- 2.1.7.1. Technically permissible maximum laden mass of the combination: N.A.
- 2.1.7.2. Technically permissible maximum mass at the coupling point: N.A.

Powertrain

- 3.1.1.1. Manufacturer: N.A.
- 3.1.1.2. Engine code (as marked on the engine or other means of identification): N.A.
- 3.2.1.2. Working principle of the combustion engine: ~~internal combustion engine (ICE)/positive ignition/compression ignition/external combustion engine (ECE)/turbine/compressed air~~ - N.A.
- 3.2.1.4.1. Number of cylinders: N.A.
- 3.2.1.4.2. Arrangement of cylinders: ~~H/V/O/S~~ N.A.
- 3.2.1.5. Engine capacity: N.A.
- 1.9. Maximum net power: N.A.
- 1.10. Ratio maximum net power/mass of the vehicle in running order: N.A.
- 3.2.3.1. Fuel type: N.A.
- 3.2.3.2. Vehicle fuel combination: ~~mono fuel/bi fuel/flex fuel~~ N.A.
- 3.2.3.2.1. Maximum amount of bio-fuel acceptable in fuel: N.A.
- 3.1.2.1. Manufacturer: Yongkang Changpao Industry and Trade Co., Ltd.
- 3.1.2.2. Electric motor code (as marked on the engine or other means of identification): SS60V12C/??????????

3.3.3.4. ~~15~~/30 minutes power: 3.0 kW at 400min⁻¹
 3.1.3.1. Manufacturer: N.A.
 3.1.3.2. Application code (as marked on the engine or other means of identification): N.A.
 3.3.1. Electric vehicle configuration: ~~pure electric/hybrid electric/manpower electric~~
 3.3.5.2. Category of hybrid electric vehicle: ~~off vehicle charging/hot off vehicle charging~~ N.A.
 3.9.2. Maximum assistance factor: N.A.

Maximum speed

1.8. Maximum speed of vehicle: 45 km/h
 3.9.3. Maximum vehicle speed for which the electric motor gives assistance: N.A.

Drive-train and control

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

Installation of tyres

6.18.1.1. Tyre size designation:
 Axle 1: 130/60-13 M/C 60 K 3.50x13 280 kPa
 Axle 2: 215/40-12 56 J 7.50X12 250 kPa
 Sidecar wheel: N.A.

Bodywork

6.20.2.1. Door configuration and number of doors: N.A.
 6.16.1. Number of seating positions: 1
 6.16.1.1. Location and arrangement: N.A.

Coupling devices

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

Environmental performance

4.0.1. Environmental step: Euro 5
 4.0.6. Sound level measured according to: N.A.
 4.0.6.1. Stationary: N.A. at engine speed: N.A.
 4.0.6.2. Drive-by: N.A.
 4.0.6.3. Limit value for Lurban: N.A.

3.2.15. Exhaust emissions measured according to Regulation (EU) No 134/2014 including all amendments up to (EU) 2018/295
 3.2.15.1. Type I test: tailpipe emissions after cold start, including the deterioration factor, if applicable:
 CO: N.A.
 THC: N.A.
 NMHC: N.A.
 NOx: N.A.
 THC+NOx: N.A.
 PM: N.A.
 3.2.15.2. Type II test: tailpipe emissions at (increased) idle and free acceleration:
 HC: N.A.
 CO: N.A.
 3.2.15.3. Smoke corrected absorption coefficient: N.A.

Energy efficiency

4.0.2. Fuel consumption: N.A.
 4.0.3. CO₂ emissions: N.A.
 4.0.4. Energy consumption: 26 Wh/km
 4.0.5. Electric range: 61 km

Conversion of the performance of the vehicle:

8.1. Vehicle appropriate for converting its performance level between subcategories (L3e/L4e)-A2 and (L3e/L4e)-A3 and vice versa: ~~yes~~ N.A.

Additional information:

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

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 Société Nationale de Certification et d'Homologation

COMPLETE VEHICLE EU CERTIFICATE OF CONFORMITY

The undersigned, Wu qiang < General Manager >
Hereby certifies that the following complete vehicle:

- 0.1. Make (trade name of the manufacturer): SHANSU, Easycool, yuki, HIMOTO, aMoto, CITYCOCO, Rooley, Rooder, Strollwheel, HECHT MOTORS, ZMOTOS, MALCOR IBÉRICA, R RETELLI
- 0.2. Type: CP-4
- 0.2.1. Variant: 00
- 0.2.2. Version: 0
- 0.2.3. Commercial name (if available): electric scooter
- 0.3. Category, subcategory and sub-subcategory of vehicle: L1e-B
- 0.4. Company name and address of manufacturer:

ZHEJIANG YIXING INDUSTRY AND TRADE LIMITED
ROOM 2103, 21/F HO KING COMMERCIAL CENTRE NO. 2-16 FA YUAN STREET MONG KOK,
KOWLOON, HONG KONG
- 0.4.2. Name and address of manufacturer's authorized representative (if any):

MINIMOTOS SPORT, S.L.
C/ LA MITJANA 7 - POLIGONO EL BOCH, CREVILLENT, ALICANTE, SPAIN
- 0.5.1. Location of the manufacturer's statutory plate(s): L, x815, y-110, z165
- 0.5.2. Method of attachment of the manufacturer's statutory plate(s): Riveted
- 0.6. Location of the vehicle identification number: R, x625, y25, z780
1. Vehicle identification number: ☆R68CP4000?A?????☆

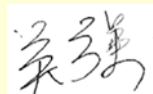
conforms in all respects to the type described in EU type-approval (e13*168/2013*????*01
type-approval number including extension number) issued on (DD, MM, YYYY date of issue)
and can be permanently registered in Member States having right/left-hand traffic and using metric/imperial units for the
speedometer.

Hong Kong, China

DD, MM, YYYY

(place)

(date)



e13*168/2013*01350*01
Société Nationale de Certification et d'Homologation

(signature)

General construction characteristics

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

Main dimensions

- 2.2.1. Length: 2100 mm
- 2.2.2. Width: 945 mm
- 2.2.3. Height: 1140 mm
- 2.2.4. Wheelbase: 1540 mm
- 2.2.4.1. Wheelbase sidecar: N.A.
- 2.2.5. Track width
- 2.2.5.1. Track width front: N.A.
- 2.2.5.2. Track width rear: N.A.
- 2.2.5.3. Track width sidecar: N.A.
- 2.2.10.6 Ground clearance between the axles: N.A.
- 2.2.15. Wheelbase to ground clearance ratio: N.A.
- 2.2.17. Seat height: N.A.

Masses

- 2.1.1. Mass in running order: 61 kg
- 2.1.2. Actual mass: 143 kg
- 2.1.3. Technically permissible maximum laden mass: 173 kg
- 2.1.3.1. Technically permissible maximum mass on front axle: 50 kg
- 2.1.3.2. Technically permissible maximum mass on rear axle: 123 kg
- 2.1.3.3. Technically permissible maximum mass on sidecar axle: N.A.
- 2.1.7. Technically permissible maximum towable mass:
- Braked: N.A. Unbraked: N.A.
- 2.1.7.1. Technically permissible maximum laden mass of the combination: N.A.
- 2.1.7.2. Technically permissible maximum mass at the coupling point: N.A.

Powertrain

- 3.1.1.1. Manufacturer: N.A.
- 3.1.1.2. Engine code (as marked on the engine or other means of identification): N.A.
- 3.2.1.2. Working principle of the combustion engine: ~~internal combustion engine (ICE)/positive ignition/
compression ignition/external combustion engine (ECE)/turbine/compressed air~~ - N.A.
- 3.2.1.4.1. Number of cylinders: N.A.
- 3.2.1.4.2. Arrangement of cylinders: ~~H/V/O/S~~ - N.A.
- 3.2.1.5. Engine capacity: N.A.
- 1.9. Maximum net power: N.A.
- 1.10. Ratio maximum net power/mass of the vehicle in running order: N.A.
- 3.2.3.1. Fuel type: N.A.
- 3.2.3.2. Vehicle fuel combination: ~~mono-fuel/bi-fuel/flex-fuel~~ - N.A.
- 3.2.3.2.1. Maximum amount of bio-fuel acceptable in fuel: N.A.
- 3.1.2.1. Manufacturer: Yongkang Changpao Industry and Trade Co., Ltd.

3.1.2.2. Electric motor code (as marked on the engine or other means of identification): SS60V12C/?????????
 3.3.3.4. ~~15~~/30 minutes power: 3.0 kW at 400min⁻¹
 3.1.3.1. Manufacturer: N.A.
 3.1.3.2. Application code (as marked on the engine or other means of identification): N.A.
 3.3.1. Electric vehicle configuration: pure electric/hybrid electric/manpower electric
 3.3.5.2. Category of hybrid electric vehicle: ~~off vehicle charging/hot off vehicle charging~~ N.A.
 3.9.2. Maximum assistance factor: N.A.

Maximum speed

1.8. Maximum speed of vehicle: 45 km/h
 3.9.3. Maximum vehicle speed for which the electric motor gives assistance: N.A.

Drive-train and control

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

Installation of tyres

6.18.1.1. Tyre size designation:

Front tyres (option 1): 130/60-13 M/C 60 K 3.50X13 280 kPa
Front tyres (option 2): 130/70-12 62J 62J 3.50X12 280 kPa
Front tyres (option 3): 110/70-17 M/C 54S 3.00X17 250 kPa

Rear tyres: 215/40-12 56J 7.50X12 250 kPa

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Sidecar wheel: N.A.

Bodywork

6.20.2.1. Door configuration and number of doors: N.A.
 6.16.1. Number of seating positions: 1
 6.16.1.1. Location and arrangement: N.A.

Coupling devices

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

Environmental performance

4.0.1. Environmental step: Euro 5
 4.0.6. Sound level measured according to: N.A.
 4.0.6.1. Stationary: N.A. at engine speed: N.A.
 4.0.6.2. Drive-by: N.A.
 4.0.6.3. Limit value for Lurban: N.A.

3.2.15. Exhaust emissions measured according to Regulation (EU) No 134/2014 including all amendments up to (EU) 2018/295

3.2.15.1. Type I test: tailpipe emissions after cold start, including the deterioration factor, if applicable:
 CO: N.A.
 THC: N.A.
 NMHC: N.A.
 NOx: N.A.
 THC+NOx: N.A.
 PM: N.A.

3.2.15.2. Type II test: tailpipe emissions at (increased) idle and free acceleration:
 HC: N.A.
 CO: N.A.

3.2.15.3. Smoke corrected absorption coefficient: N.A.

Energy efficiency

4.0.2. Fuel consumption: N.A.
 4.0.3. CO₂ emissions: N.A.
 4.0.4. Energy consumption: 26 Wh/km
 4.0.5. Electric range: 61 km

Conversion of the performance of the vehicle:

8.1. Vehicle appropriate for converting its performance level between subcategories (L3e/L4e)-A2 and (L3e/L4e)-A3 and vice versa: ~~yes~~ N.A.

Additional information:

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