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*01410*00

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Bertrange, le 13 mai 2022

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*01410*00

Raison de l'extension:
Reason for extension: not applicable

SECTION I

SECTION I

0.1.	**Marque (dénomination commerciale du constructeur):** Make (trade name of manufacturer):	PINGANDAYUN
0.2.	**Type [(2)]:** Type [(2)]:	H1
0.2.1.	**Variante(s) [(2)]:** Variant(s) [(2)]:	0
0.2.2.	**Version(s) [(2)]:** Version(s) [(2)]:	0
0.2.3.	**Appellation(s) commerciale(s) (le cas échéant):** Commercial name(s) (if available):	UFO, H1
0.3.	**Catégorie, sous-catégorie et sous-sous-catégorie du véhicule [(3)]:** Category, subcategory and sub-subcategory of vehicle [(3)]:	L3e-A1
0.4.	**Raison sociale et adresse du constructeur du véhicule complet:** Company name and address of manufacturer of the complete vehicle:	**WUXI MOTOLAND ELECTRIC VEHICLES CO .,LTD 6-2805 Room,Tianshan Road, Xinwu District, Wuxi City,China**
0.4.1	**Nom(s) et adresse(s) de(s) usines d'assemblage:** Name(s) and addresse(s) of assembly plant(s):	**Wuxi motoland technology co.,ltd Building2, Yangjian industrial park,Xishan District, Wuxi City,China**
0.4.2.	**Nom et adresse du mandataire du constructeur (le cas échéant):** Name and address of manufacturer's authorised representative, if any:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22, I-00188 Roma (RM), Italy

SECTION II

SECTION II

1.	**Service technique responsable de la réalisation des essais:** Technical service responsible for carrying out the tests:	TÜV SÜD Auto Service GmbH Westendstraße 199 D-80686 München
2.	**Date du rapport d'essais:** Date of test report:	30.04.2022
3.	**Numéro du rapport d'essais:** Number of test report:	22-00021-CM-SHA-00

SECTION III

SECTION III

Le soussigné certifie l'eXBctitude 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.	**Le type de véhicule complet satisfait/ ~~ne satisfait pas~~ (1) 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~~ (1) all relevant requirements as listed in Annex II to Regulation (EU) N° 168/2013.	The complete vehicle type meets all relevant requirements as listed in Annex II to Regulation (EU) N° 168/2013
1.1.	**Restrictions de validité:** Restrictions of validity:	not applicable
1.2.	**Dérogations accordées:** Waivers applied:	not applicable
1.2.1.	**Raisons des dérogations:** Reasons for the waivers:	not applicable
1.2.2.	**Autres exigences applicables:** Alternative requirements:	not applicable
2.	**La réception est accordée/~~étendue~~/~~refusée~~/ ~~retirée~~:** The approval is granted/~~extended/refused/withdrawn~~	the approval is granted
2.1.	**La réception est accordée conformément à l'article 40 du règlement (UE) no 168/2013 et sa validité expire, par conséquent, le jj/mm/aa.** The approval is granted in accordance with Article 40 of Regulation (EU) No 168/2013 and the validity of the approval is thus limited to dd/mm/yy.	not applicable

Lieu:
Place: Bertrange

Date:
Date: 13 mai 2022

Signature:
Signature:

Pour le Ministre de la Mobilité et des Travaux publics

Alain DISIVISCOUR
Conseiller

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 Enclosure 1 - Page 1 to 24 of test report No. 22-00021-CM-SHA-00

Référence: e13*168/2013*01410*00

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Bertrange, le 13 mai 2022

Index du dossier de réception

Index to type-approval report

	Numéro de réception UE par type: EU type-approval number:	e13*168/2013*01410*00
	Révision: Revision:	00
	Marque de fabrique ou de commerce: Trade name or mark:	PINGANDAYUN
	Type: Type:	H1
1.	**Procès-verbal d'essai:** Test report:	N° 22-00021-CM-SHA-00
	- Test report:	Page 1 to 4;
	- Report of the conformity check requirements of Regulation (EC)168/2013 Annex II:	Enclosure 1- Page 1 to 23;
	- List of appendixes:	Page 24;
	- Listing / description of test vehicles:	Enclosure 2 - Page 1.
	- Appendixes:	refer to list of appendixes.
2.	**Dossier du constructeur:** Report of the manufacturer:	N° 168/2013-H1-00
	- List of content:	Page 1;
	- Information folder sheet:	Page 1 & 2;
	- Information document:	Page 1 to 29;
	- Drawings list:	Page 30;
	- Technical description of the vehicle type and its components:	Refer to list of content.
3.	**Autres documents annexés:** Other documents annexed:	not applicable
4.	**Date de délivrance de la réception initiale:** Date of issue of initial type approval:	13.05.2022
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:	not applicable

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Registre de Commerce: B 27180

L-8070 Bertrange

Référence: e13*168/2013*01410*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Bertrange, le 13 mai 2022

Annexe VIII
Annex VIII

Fiche des résultats d'essais
Test results sheet

refer to Enclosure 1 - Page 24 (test records list) of test report No. 22-00021-CM-SHA-00

Auto Service

T e s t R e p o r t

No.: 22-00021-CM-SHA-00

Test of a type of vehicle
with regard to Regulation (EC/EU) No.
168/2013
including all amendments up to
2020/1694

Approval subject:
on the approval and market surveillance
of two- or three-wheel vehicles and quadricycles
Stage of completion:
Complete vehicle

Approval status		
☑	Granting of a type approval	:
☐	Extension/~~correction~~ to type approval no.	:

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0.	**General**		
0.0	Reason for extension	:	Not applicable, first issue
0.1.	Make (trade name of manufacturer)	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.2.3.	Commercial name	:	UFO, H1
0.3.	Vehicle category	:	L3e
0.3.1.	Subcategory	:	A1
0.3.2.	Sub-subcategory	:	Not applicable
0.4.	Name and address of the manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
0.4.1.	Name(s) and address(es) of assembly plants	:	Wuxi Zhongfa Technology Co., Ltd No.8, North District, Sunshine Industrial Park, Huanghutang Road, Donggang Town, Xishan District, Wuxi, Jiangsu, China
0.4.2.	Name and address of manufacturer's authorized representative	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy
1.	**Test vehicles**		
1.1.	Description		
1.1.1.	Type / Variants / Versions / VIN	:	See Test Reports / Test Records acc. to Regulatory Acts and Enclosure 2
2.	**Test results**		
2.1.	Test equipment	:	The test equipment used was in compliance with the test requirements
2.2.	Test results		
2.2.1.	Check of requirements of Regulation(EU) 168/2013, Annex II		
2.2.1.1.	Requirements fulfilled	:	☒ Yes ☐ No
2.2.1.2.	Proof of requirements	:	See Enclosure 1 to this Test Report

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2.2.2.	Used virtual- and self-testing methods by manufacturer		
2.2.2.1.	Virtual testing methods	:	☐ Yes ☒ No
2.2.2.2.	Self-testing methods by manufacturer	:	☐ Yes ☒ No
2.2.2.3.	Proof of requirements	:	Not applicable
2.2.3.	Exemptions for new technologies or new concepts relating Regulation(EU)168/2013, Chapter IX, Article 40 applied	:	☐ Yes ☒ No
2.2.3.1.	Concerning technology / Concept	:	Not applicable
2.2.4.	Remarks	:	The worst case was selected during the test according to Regulatory Acts, see Annex 1
2.3.	General data		
2.3.1.	Test vehicle received on	:	24.02.2022
2.3.2.	Test date(s)	:	See Enclosure 1 to this Test Report resp. Test Reports / Test Records acc. to Regulatory Acts
2.3.3.	Test place(s)	:	See Enclosure 1 to this Test Report resp. Test Reports / Test Records acc. to Regulatory Acts

3. Enclosures

Enclosure 1: Report of the conformity check requirements of Regulation(EU)168/2013, Annex II

Enclosure 2: Listing / Description of Test vehicles

Information document No. : 168/2013-H1-00, dated 20.02.2022 (dd.mm.yyyy)

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IV. Statement of conformity

The mentioned information folder and the type described therein are in accordance with the test basis mentioned above. The worst-case was selected in accordance with document "Requirements for Test Reports (AS-PB-T-02)".

The test report may be reproduced and published in full and by the client only. It can be reproduced partially with the written permission of the test laboratory only.

TÜV SÜD Auto Service GmbH is designated as Technical Service by:

Approval authority	Country	Registration number
Kraftfahrt-Bundesamt (KBA)	Germany	KBA-P 00100-10
Vehicle Certification Agency (VCA)	United Kingdom	VCA-TS-006
Approval Authority of the Netherlands (RDW)	The Netherlands	RDWT-082-xx
National Standards Authority of Ireland (NSAI)	Ireland	Technical Service Number: 49
Société Nationale de Certification et d'Homologation (SNCH)	Luxembourg	13/B(g)

München, 30.04.2022 (dd.mm.yyyy)

Hui Yang

e13*168/2013*1410*00
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Report of the conformity check requirements of Regulation(EU)168/2013, Annex II

Remark:
If there are higher requirements for functional safety according to Regulation (EU) 168/2013 Annex VIII or additional requirements, it has to be confirmed in each subsection X.3 in of this appendix.
The following numbering under positions A to C corresponds to Regulation (EU) 901/2014 including amendment Regulation (EU) 2020/239, Annex VI, Appendix 3

A Environmental and Propulsion Performance Requirements

A1 Test type I requirements: Tailpipe emissions after cold start

1.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 6 and Annex II
1.1.	For vehicle class applicable	:	☒ Yes ☐ No
1.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
1.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
1.4.	Test results representative for following variants / versions	:	Not applicable
1.5.	Environmental step / Euro level	:	Not applicable

A2 Test type II requirements: Tailpipe emissions at (increased) idle and free acceleration test

2.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 7 and Annex III
2.1.	For vehicle class applicable	:	☒ Yes ☐ No
2.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
2.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
2.4.	Test results representative for following variants / versions	:	Not applicable
2.5.	Environmental step / Euro level	:	Not applicable

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A3 Test type III requirements: Emissions of crank-case

3.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 8 and Annex IV
3.1.	For vehicle class applicable	:	☒ Yes ☐ No
3.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
3.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
3.4.	Test results representative for following variants / versions	:	Not applicable
3.5.	Environmental step / Euro level	:	Not applicable

A4 Test type IV requirements: Evaporative emissions

4.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 9 and Annex V
4.1.	For vehicle class applicable	:	☒ Yes ☐ No
4.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
4.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
4.4.	Test results representative for following variants / versions	:	Not applicable
4.5.	Environmental step / Euro level	:	Not applicable

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A5 Test type V requirements: Durability of pollution-control devices

5.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 10 and Annex VI
5.1.	For vehicle class applicable	:	☒ Yes ☐ No
5.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
5.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
5.4.	Test results representative for following variants / versions	:	Not applicable
5.5.	Environmental step / Euro level	:	Not applicable

A6 Test type VII requirements: Measurement of CO2 emissions, fuel consumption, electric energy consumption and electric range determination

6.0.	Requirements according to	:	Reg. (EU)168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU)134/2014 including amendment Reg. (EU) 2018/295, Article 11 and Annex VII
6.1.	For vehicle class applicable	:	☒ Yes ☐ No
6.2.	Requirements fulfilled	:	☒ Yes ☐ No
6.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
6.4.	Test results representative for following variants / versions	:	0/0
6.5.	Environmental step / Euro level	:	Euro 5

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A7 Test type VIII requirements: Environmental on-board diagnosis (OBD) tests

7.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 12 and Annex VIII
7.1.	For vehicle class applicable	:	☐ Yes ☒ No
7.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
7.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
7.4.	Test results representative for following variants / versions	:	Not applicable
7.5.	OBD Stage	:	Not applicable

A8 Test type IX requirements: Permissible sound level

8.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 13 and Annex IX
8.1.	For vehicle class applicable	:	☒ Yes ☐ No
8.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
8.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
8.4.	Test results representative for following variants / versions	:	Not applicable

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A9 Procedures and technical requirements on maximum vehicle design speed, maximum torque, maximum continuous total power and maximum peak power

9.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 14 and Annex X

9.1. Requirements on maximum vehicle design speed acc. to Annex X, Appendix 1

9.1.1.	For vehicle class applicable	:	☒ Yes ☐ No
9.1.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
9.1.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
9.1.4.	Test results representative for following variants / versions	:	Not applicable

9.2. Requirements on maximum torque, maximum continuous total power and maximum peak power acc. to Annex X, Appendix 2

9.2.1.	For vehicle class applicable	:	☒ Yes ☐ No
9.2.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
9.2.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
9.2.4.	Test results representative for following variants / versions	:	Not applicable

9.3. Requirements on maximum torque, maximum continuous rate power of a pure electric propulsion type acc. to Annex X, Appendix 3

9.3.1.	For vehicle class applicable	:	☒ Yes ☐ No
9.3.2.	Requirements fulfilled	:	☒ Yes ☐ No
9.3.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
9.3.4.	Test results representative for following variants / versions	:	0/0

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A10 Vehicle propulsion family definition

10.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU) 134/2014 including amendment Reg. (EU) 2018/295, Article 14 and Annex XI
10.1.	For vehicle class applicable	:	☒ Yes ☐ No
10.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
10.3.	Proof of requirements	:	~~Clear text or Test report / Test record / Type approval~~
10.4.	Test results representative for following variants / versions	:	Not applicable
10.5.	Remarks	:	Propulsion family: Not applicable

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B Vehicle functional safety requirements

B1 Audible warning devices

1.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 6 and Annex II
1.1.	For vehicle class applicable	:	☒ Yes ☐ No
1.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
1.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
1.4.	Test results representative for following variants / versions	:	0/0

B2 Braking, including anti-lock and combined brake systems

2.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 7 and Annex III
2.1.	For vehicle class applicable	:	☒ Yes ☐ No
2.2.	Requirements fulfilled	:	☒ Yes ☐ No
2.3.	Proof of requirements	:	Test report / ~~Test record / Type approval~~
2.4.	Test results representative for following variants / versions	:	0/0
2.5.	Remarks	:	ECE R78.05 test report

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B3 Electrical safety

3.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 8 and Annex IV
3.1.	For vehicle class applicable	:	☒ Yes ☐ No
3.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
3.3.	Proof of requirements	:	~~Test report /~~ Test record ~~/ Type approval~~
3.4.	Test results representative for following variants / versions	:	0/0

B4 Manufacturer declaration requirements regarding endurance testing of functional safety systems, parts and equipment

4.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 9 and Annex V
4.1.	For vehicle class applicable	:	☒ Yes ☐ No
4.2.	Requirements fulfilled	:	☒ Yes ☐ No
4.3.	Proof of requirements	:	Manufacturer's declaration existing, see Information folder of manufacturer
4.4.	Test results representative for following variants / versions	:	0/0

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B5 Front and rear protective structures

5.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 10 and Annex VI
5.1.	For vehicle class applicable	:	☐ Yes ☒ No ☐ If fitted
5.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable ☐ Not fitted
5.3.	Proof of requirements	:	~~Test report / Test record /~~ ~~Type approval~~
5.4.	Test results representative for following variants / versions	:	Not applicable

B6 Glazing, windscreen wipers and washers, and defrosting and demisting systems

6.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 11 and Annex VII
6.1.	For vehicle class applicable	:	☐ Yes ☐ No ☒ If fitted
6.2.	Requirements fulfilled	:	☐ Yes ☐ No ☐ Not applicable ☒ Not fitted
6.3.	Proof of requirements	:	~~Test report / Test record /~~ ~~Type approval~~
6.4.	Test results representative for following variants / versions	:	Not applicable

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

B7 Driver-operated controls including identification of controls, tell-tales and indicators

7.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 12 and Annex VIII
7.1.	For vehicle class applicable	:	☒ Yes ☐ No
7.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
7.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
7.4.	Test results representative for following variants / versions	:	0/0

B8 Installation of lighting and light signalling devices, including automatic switching-on of lighting

8.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 13 and Annex IX
8.1.	For vehicle class applicable	:	☒ Yes ☐ No
8.2.	Requirements fulfilled	:	☒ Yes ☐ No
8.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
8.4.	Test results representative for following variants / versions	:	0/0

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B9 Reward visibility

9.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 14 and Annex X
9.1.	For vehicle class applicable	:	☒ Yes ☐ No
9.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
9.3.	Proof of requirements	:	Test report ~~/ Test record~~ ~~/ Type approval~~
9.4.	Test results representative for following variants / versions	:	0/0

B10 Rollover protective structure (ROPS)

10.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 15 and Annex XI
10.1.	For vehicle class applicable	:	☐ Yes ☒ No
10.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable
10.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
10.4.	Test results representative for following variants / versions	:	Not applicable

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B11 Safety belt anchorages and safety belts

11.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 16 and Annex XII
11.1.	For vehicle class applicable	:	☐ Yes ☒ No ☐ If fitted
11.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable ☐ Not fitted
11.3.	Proof of requirements	:	~~Test report / Test record /~~ ~~Type approval~~
11.4.	Test results representative for following variants / versions	:	Not applicable

B12 Seating positions (saddles and seats)

12.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 17 and Annex XIII
12.1.	For vehicle class applicable	:	☒ Yes ☐ No
12.2.	Requirements fulfilled	:	☒ Yes ☐ No
12.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
12.4.	Test results representative for following variants / versions	:	0/0

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B13 Steer-ability, cornering properties and turn-ability

13.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 18 and Annex XIV
13.1.	For vehicle class applicable	:	☒ Yes ☐ No
13.2.	Requirements fulfilled	:	☒ Yes ☐ No
13.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
13.4.	Test results representative for following variants / versions	:	0/0

B14 Installation of tyres

14.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 19 and Annex XV
14.1.	For vehicle class applicable	:	☒ Yes ☐ No
14.2.	Requirements fulfilled	:	☒ Yes ☐ No
14.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
14.4.	Test results representative for following variants / versions	:	0/0

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B15 Vehicle maximum speed limitation plate and its location on the vehicle

15.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 20 and Annex XVI
15.1.	For vehicle class applicable	:	☐ Yes ☒ No ☐ If fitted
15.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable ☐ Not fitted
15.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
15.4.	Test results representative for following variants / versions	:	Not applicable

B16 Vehicle occupant protection, including interior fittings and vehicle doors

16.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 21 and Annex XVII
16.1.	For vehicle class applicable	:	☐ Yes ☒ No ☐ If fitted
16.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable ☐ Not fitted
16.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
16.4.	Test results representative for following variants / versions	:	Not applicable

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B17 Maximum continuous total power and/or maximum vehicle speed limitation by design

17.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 22 and Annex XVIII
17.1.	For vehicle class applicable	:	☐ Yes ☐ No ☒ If fitted
17.2.	Requirements fulfilled	:	☐ Yes ☐ No ☐ Not applicable ☒ Not fitted
17.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
17.4.	Test results representative for following variants / versions	:	Not applicable

B18 Requirements regarding vehicle structure integrity

18.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 23 and Annex XIX
18.1.	For vehicle class applicable	:	☒ Yes ☐ No
18.2.	Requirements fulfilled	:	☒ Yes ☐ No
18.3.	Proof of requirements	:	Manufacturer`s declaration existing, see Information folder of manufacturer
18.4.	Test results representative for following variants / versions	:	0/0

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C Vehicle construction and general type-approval requirements

C1 Powertrain tampering prevention measures (anti-tampering)

1.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 20 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 6 and Annex II
1.1.	For vehicle class applicable	:	☒ Yes ☐ No
1.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
1.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
1.4.	Test results representative for following variants / versions	:	0/0

C2 Arrangements for type-approval procedures

2.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 25 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 7 and Annex III
2.1.	For vehicle class applicable	:	☒ Yes ☐ No
2.2.	Requirements fulfilled	:	☒ Yes ☐ No
2.3.	Proof of requirements	:	Clear text ~~or Test report / Test record / Type approval~~
2.3.1.	Requirements according to Annex III, paragraph 2	:	Sufficient no. of test vehicles submitted
2.3.2.	Requirements according to Annex III, paragraph 4	:	Not applicable
2.3.3.	Requirements according to Annex III, paragraph 6 to 8	:	Not applicable
2.4.	Test results representative for following variants / versions	:	0/0

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C3 Conformity of production

3.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 33 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 8 and Annex IV
3.1.	For vehicle class applicable	:	☒ Yes ☐ No
3.2.	Requirements fulfilled	:	Requirements valid for Approval Authority, Manufacturer resp. holder of type-approval
3.3.	Proof of requirements	:	Not applicable, see item C.3.2
3.4.	Test results representative for following variants / versions	:	Not applicable

C4 Coupling devices and attachments

4.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 9 and Annex V
4.1.	For vehicle class applicable	:	☐ Yes ☐ No ☒ If fitted
4.2.	Requirements fulfilled	:	☐ Yes ☐ No ☐ Not applicable ☒ Not fitted
4.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
4.4.	Test results representative for following variants / versions	:	Not applicable

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C5 Devices to prevent unauthorised use

5.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 10 and Annex VI
5.1.	For vehicle class applicable	:	☒ Yes ☐ No
5.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
5.3.	Proof of requirements	:	~~Test report /~~ Test record ~~/ Type approval~~
5.4.	Test results representative for following variants / versions	:	0/0

C6 Electromagnetic compatibility (EMC)

6.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 11 and Annex VII
6.1.	For vehicle class applicable	:	☒ Yes ☐ No
6.2.	Requirements fulfilled	:	☒ Yes ☐ No
6.3.	Proof of requirements	:	Test report ~~/ Test record / Type approval~~
6.4.	Test results representative for following variants / versions	:	0/0

C7 External projections

7.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 12 and Annex VIII
7.1.	For vehicle class applicable	:	☒ Yes ☐ No
7.2.	Requirements fulfilled	:	☒ Yes ☐ No
7.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~

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7.4.	Test results representative for following variants / versions	:	0/0

C8 Fuel storage

8.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 13 and Annex IX
8.1.	For vehicle class applicable	:	☐ Yes ☐ No ☒ If fitted
8.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable ☐ Not fitted
8.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
8.4.	Test results representative for following variants / versions	:	Not applicable

C9 Load platforms

9.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 14 and Annex X
9.1.	For vehicle class applicable	:	☐ Yes ☒ No ☐ If fitted
9.2.	Requirements fulfilled	:	☐ Yes ☐ No ☒ Not applicable ☐ Not fitted
9.3.	Proof of requirements	:	~~Test report / Test record / Type approval~~
9.4.	Test results representative for following variants / versions	:	Not applicable

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C10 Masses and dimensions

10.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 15 and Annex XI
10.1.	For vehicle class applicable	:	☒ Yes ☐ No
10.2.	Requirements fulfilled	:	☒ Yes ☐ No
10.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
10.4.	Test results representative for following variants / versions	:	0/0

C11 On-board diagnostics (OBD) functional requirements

11.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 21 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 16 and Annex XII
11.1.	For vehicle class applicable	:	☒ Yes ☐ No
11.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
11.3.	Proof of requirements	:	~~Test report /~~ Test record ~~/ Type approval~~
11.4.	Test results representative for following variants / versions	:	0/0
11.5.	OBD Stage	:	Euro 5

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C12 Passenger handholds and footrests

12.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 17 and Annex XIII
12.1.	For vehicle class applicable	:	☐ Yes ☐ No ☒ If fitted
12.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable ☐ Not fitted
12.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
12.4.	Test results representative for following variants / versions	:	0/0

C13 Registration plate space

13.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 18 and Annex XIV
13.1.	For vehicle class applicable	:	☒ Yes ☐ No
13.2.	Requirements fulfilled	:	☒ Yes ☐ No
13.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
13.4.	Test results representative for following variants / versions	:	0/0

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C14 Access to repair and maintenance information

14.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 19 and Annex XV
14.1.	For vehicle class applicable	:	☒ Yes ☐ No
14.2.	Requirements fulfilled	:	☐ Yes ☒ No
14.3.	Proof of requirements	:	Waiver applied, information to be made available within six months after vehicle type approval (as per Reg. (EU) 44/2014, annex XV, item 8.7)
14.4.	Test results representative for following variants / versions	:	0/0

C15 Stands

15.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 20 and Annex XVI
15.1.	For vehicle class applicable	:	☒ Yes ☐ No
15.2.	Requirements fulfilled	:	☒ Yes ☐ No ☐ Not applicable
15.3.	Proof of requirements	:	~~Test report /~~ Test record ~~/ Type approval~~
15.4.	Test results representative for following variants / versions	:	0/0

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D **Further conditions** (further requirements relating Regulation (EU) 168/2013)

1. Statutory plate

1.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694 Article 39 in connection with Reg. (EU) 901/2014 including amendment Reg. (EU) 2020/239, Article 6 and Annex V
1.1.	For vehicle class applicable	:	☒ Yes ☐ No
1.2.	Requirements fulfilled	:	☒ Yes ☐ No
1.3.	Proof of requirements	:	~~Test report~~ / Test record / ~~Type approval~~
1.4.	Test results representative for following variants / versions	:	0/0

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E Appendixes

Section	Test Record no.	Date	Pages
A6	22-00021-CM-SHA-00 – A6	27.02.2022 - 01.03.202201	2
A9.3	22-00021-CM-SHA-00 – A9.3	28.02.2022	2
B1	22-00021-CM-SHA-00 – B1	02.03.2022	2
B2	22-00021-CM-SHA-00 – B2	02.03.2022	7
B3	22-00021-CM-SHA-00 – B3	03.03.2022	3
B7	22-00021-CM-SHA-00 – B7	03.03.2022	2
B8	22-00021-CM-SHA-00 – B8	26.02.2022	4
B9	22-00021-CM-SHA-00 – B9	26.02.2022	4
B12	22-00021-CM-SHA-00 – B12	03.03.2022	2
B13	22-00021-CM-SHA-00 – B13	03.03.2022	2
B14	22-00021-CM-SHA-00 – B14	03.03.2022	2
C1	22-00021-CM-SHA-00 – C1	03.03.2022	2
C5	22-00021-CM-SHA-00 – C5	03.03.2022	2
C6	22-00021-CM-SHA-00 – C6	07.03.2022	23
C7	22-00021-CM-SHA-00 – C7	03.03.2022	2
C10	22-00021-CM-SHA-00 – C10	03.03.2022	2
C11	22-00021-CM-SHA-00 – C11	28.02.2022	4
C12	22-00021-CM-SHA-00 – C12	03.03.2022	2
C13	22-00021-CM-SHA-00 – C13	03.03.2022	2
C15	22-00021-CM-SHA-00 – C15	03.03.2022	3
D1	22-00021-CM-SHA-00 – D1	03.03.2022	2

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Listing / Description of Test vehicles

1. Test vehicle(s) / Object(s)

1.1.	Test vehicle no.	:	1
1.1.1	Variant / Version / VIN	:	0/0/Prototype
1.2.	Test vehicle	:	☒ Prototype ☐ Series production
1.3.	Tyre size (Axle no.1 - Axle no.2)	:	90/90-12 54J – 90/90-12 54J
1.4.	Masses [kg]		
1.4.1.	Mass in running order	:	67 kg
1.4.2.	Actual mass	:	163 kg
1.5.	Engine type	:	ZF72V20TT
1.6	Maximum speed	:	72 km/h

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 134/2014 Dated **16.12.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

A6 Environmental and Propulsion Performance Requirements:
Test type VII requirements: Measurement of CO2 emissions, fuel consumption, electric energy consumption and electric range determination

0.0	Requirements according to	:	Reg. (EU)168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU)134/2014 including latest amendment Reg. (EU) 2018/295, Article 11 and Annex VII

General information of tested vehicle

0.1	Make	:	PINGANDAYUN
0.2	Type	:	H1
0.2.1	Variants	:	0
0.2.2	Versions	:	0
0.3.1	Test date(s)	:	27.02.2022 - 01.03.202201
0.3.2	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3	Test vehicle	:	Prototype

Test record

1 Main Requirements:

1.1	Requirements according to	:	Reg. (EU)134/2014 including amendment Reg. (EU) 2018/295, Article 11 and Annex VII, Appendix 3.3
1.2	Distance travelled before the test	:	454 km
1.3	Operation mode for electric energy consumption	:	The battery of the vehicle has been charged to maximum. Two runs of cycle Type I has been performed. The battery has been recharged to the top within 12 hours. The consumption of the electric energy has been calculated by interposition of an energy measuring device

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1.4	Operation mode for electric range	:	The battery of the vehicle has been charged to maximum. The vehicle has been drove continuously, following cycle Type I. The test has been completed when the vehicle couldn't approach the target speed of the cycle
1.5	Test equipment		
	Dynamometer	:	Model: MCJ200 Series No.: 180401
	Digital wattmeter	:	Model: DTSD718 Series No.: 1808359810009484

2 Condition of test:

2.1	Ambient temperature	:	0/0: 23°C during two cycles Type I for electric energy consumption 1:0: 26°C during two cycles Type I for electric energy consumption 22°C during battery charging (as described at 1.3) 22°C during test for electric range 22°C during battery charging (as described at 1.4)
2.2	Test cycle	:	WMTC, stage 3
2.2	Worst case	:	Single case

3 Test results:

3.1	Measured electric energy consumption	:	30 Wh/km
3.2	Measured electric range	:	155 km
3.3	Requirements as per directive described in this test record	:	Complies

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 134/2014 Dated **16.12.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

A9 Environmental and Propulsion Performance Requirements: Procedures and technical requirements on maximum vehicle design speed, maximum torque, maximum continuous total power and maximum peak power

0.0	Requirements according to	:	Reg. (EU)168/2013 including amendment Reg. (EU) 2020/1694, Article 23; 24 in connection with Reg. (EU)134/2014 including latest amendment Reg. (EU) 2018/295, Article 14 and Annex X Appendix 3

General information of tested ~~vehicle /~~ motor

0.1	Make	:	PINGANDAYUN
0.2	Type	:	H1
0.2.1	Variants	:	0
0.2.2	Versions	:	0
0.3.1	Test date(s)	:	28.02.2022
0.3.2	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3	Test motor	:	ZF72V20TT

Test record

1 Main Requirements:

1.1	Requirements according to	:	Reg. (EU)134/2014, Article 14 and Annex X, App. 3
1.2	Environmental condition of motor and its entire equipment	:	Motor and equipment have been conditioned for 4 hours at temperature of 25°C ± 5°C
1.3	DC source voltage drop	:	< 5% (during test)

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1.4	Operation mode	:	Acceleration control set at the maximum position; Motor ran in accordance with the recommendations of the applicant for the approval; Torque and speed (motor revolution) have been recorded simultaneously; Auxiliaries electric equipment provided by manufacturer.
1.5	Test equipment		
	Dynamometer	:	WEIGE VG2218C

2 Condition of test:

2.1	Ambient temperature	:	26.0°C
2.2	Worst case	:	Single case

3 Test results:

3.1	Maximum 30minutes power		
	Declared	:	1.5 kW at 700 r/m
	Measured	:	1.5 kW at 700 r/m
3.2	Maximum continuous-rated torque		
	Declared	:	20.5 N.m at 700 r/m
	Measured	:	20.5 N.m at 700 r/m
3.3	Maximum net power		
	Declared	:	2.7 kW at 715 r/m
	Measured	:	2.7 kW at 713 r/m
3.4	Requirements as per directive described in this test record	:	Complies

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 3/2014 Dated **10.01.2014**
Incl. amendment Regulation (EU) 2016/1824 Dated **14.07.2016**

B1 Vehicle functional safety requirements
Audible warning devices

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 6 and Annex II

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	02.03.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 6 and Annex II

2. Audible warning device features

2.2.1.	Number and sort of device(s)	:	1, single tone electro-magnetic with resonator disc
2.2.2.	Make	:	LVEE
2.2.3.	Type	:	DL70-II
2.2.4.	Type approval no.	:	II E32 000002

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2.2.5.	Position of the warning device on the vehicle	:	On the front of vehicle, see point 6.1.2 and 6.1.3 of information document 168/2013-H1-00
2.2.6.	The shape and the materials used which are likely to affect the level of the sounds emitted by the warning device	:	Not applicable
3.	**Condition of test**		
3.1.	Measuring instruments		
3.1.1.	Sort	:	Class 1 precision sound level meter
3.1.2.	Manufacturer	:	RION
3.1.3.	Type	:	NL-31
3.2.	Environmental conditions		
3.2.1.	Temperature	:	27.2 °C
3.2.2.	Wind speed	:	0.2 m/s
3.3.	Worst case	:	The worst case has been selected, the vehicle has just one audible warning device in a single configuration
4.	**Test results**		
4.1.	Maximum sound level	:	91 dB(A) at 0.85 m above the test track
4.2.	Requirements as per directive described in this test record	:	Complies

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Auto Service

T e s t R e p o r t

Uniform provisions concerning the approval of vehicles of category L1, L2, L3, L4 and L5 with regard to

Braking

No.: ECE-R78

including all amendment up to

05 series

Approval status	
☐	Granting of a type approval
☐	Extension/correction to type approval no.: --

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

I. General

0.1.	Make (trade name of manufacturer)	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Commercial description:	:	UFO, H1
0.3.	Category of vehicle	:	L3e-A1
0.4.	Name and address of manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
0.5.	Name(s) and address(es) of assembly plant(s)	:	Wuxi Zhongfa Technology Co., Ltd No.8, North District, Sunshine Industrial Park, Huanghutang Road, Donggang Town, Xishan District, Wuxi, Jiangsu, China
0.6.	Name and address of manufacturer's authorised representative	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy
0.7.	Location of approval mark	:	Not applicable
0.8.	Information document		
	No.	:	168/2013-H1-00
	Date of issue	:	20.02.2022
	Date of latest amendment	:	Not applicable

II. Test record

2.1 Refer to the enclosure

III. Enclosures

3.1. Test record for brake system dated 02.03.2022

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

IV. Statement of conformity

The mentioned information folder and the type described therein are in accordance with the test basis mentioned above. The worst-case was selected in accordance with document "Requirements for Test Reports (AS-PB-T-02)".

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TÜV SÜD Auto Service GmbH is designated as Technical Service by:

Approval authority	Country	Registration number
Kraftfahrt-Bundesamt (KBA)	Germany	KBA-P 00100-10
Vehicle Certification Agency (VCA)	United Kingdom	VCA-TS-006
Approval Authority of the Netherlands (RDW)	The Netherlands	RDWT-082-xx
National Standards Authority of Ireland (NSAI)	Ireland	Technical Service Number: 49
Société Nationale de Certification et d'Homologation (SNCH)	Luxembourg	13/B(g)

München, 02.03.2022 (dd.mm.yyyy)

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Société Nationale de Certification et d'Homologation

Test record of brake system

1. Test conditions

1.1. Worst case : Single case

1.2. Technical data of the test vehicle

Type : H1

Variant / Version : 0/0

Vehicle identification number : Prototype

Maximum speed : 72 km/h

Tyres

Front : 90/90-12 54J
Rear : 90/90-12 54J

1.2.1. Description of the braking system with ALD : Not applicable

1.2.2. Description of the braking system without ALD : Service brake system: combined braking system, hydraulic disc brake system effective on front wheel, hydraulic disc brake effective on rear wheel; actuated by left hand lever.
Secondary brake system: Hydraulic disc brake system effective on front wheel, actuated by right hand lever.

1.2.3. Brake pads / shoes

Front : See information document no. 6.2.6.1.
Rear : See information document no. 6.2.6.1.

1.2.4. Brake disc / drum

Front : 1 disc Ø220 mm, thickness 3.0 mm
Rear : 1 disc Ø220 mm, thickness 3.0 mm

1.3. Measuring instruments : GPS road tester with type VB3i-V5
Parameters: t, s, v, P
Actuating forces measured via pressure Sensors in the brake system

1.4. Other conditions

Weather : Dry, 27.2 °C
Wind speed : 0.2 m/s
Test track : Tarmac

Measurement of Peak braking coefficient (PBC)

High adhesion : 0.91
Low adhesion : Not applicable

The common requirements of the test surface according to Annex 3, no. 1.1. of the Regulation ECE-R78 are fulfilled

Burnish procedure according to Annex 3, no. 2.5. of the Regulation ECE R78 : Performed before the testing

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1.5. Load test weight in kg

	Lightly loaded (kg)	Laden (kg)
Front :	77	87
Rear :	101	151
Total :	178	238

2. Test results

2.1. Dry stop test – single brake control actuated
Laden, engine disconnected

	Test speed [km/h]	Average braking deceleration [m/s²] Measured	Operating force [N] Measured
Service brake [laden]	60.7	5.35	148
Service brake [lightly load]	60.4	6.47	141
Secondary brake	59.2	5.16	147

2.2. Dry stop test – all service brake controls actuated
Lightly loaded, engine disconnected

Test speed [km/h]	Stopping distance measured [s]	Operating force measured [N]	
		Service brake	Secondary brake
67.2	24.27	149	158

2.3. High speed test
Lightly loaded, engine connected with the transmission in the highest gear

Not applicable

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2.4 Wet brake test

Laden, engine disconnected

Brake discs (front and rear) wet over a distance of 500 m with 15 L/h of water.

		Test speed [km/h]	Average deceleration bet. 80 and 10 per. of test speed [m/s²]	Average deceleration in 0.5 to 1.0 sec. [m/s²]	Maximum deceleration during the complete stop excl. final 0.5 sec. [m/s²]	Operating force [N]*
Dry	Service [laden]	60.0	2.74	2.37	3.34	85
	Service [lightly loaded]	60.0	2.73	2.44	3.33	63
	Secondary	59.6	2.58	1.99	3.00	91
Wet	Service [laden]	59.9	2.52	1.98	2.97	84
	Service [lightly loaded]	59.5	2.61	2.07	3.02	61
	Secondary	60.0	2.41	1.88	2.87	90

** equals d_m = 2,5 – 3,0 m/s² for dry brakes*

2.5 Heat fade test

With repeated stops

Service brake : v1 = 50.4 km/h; v2 = 0 km/h; s = 1000 n = 10

Secondary brake : v1 = 50.4 km/h; v2 = 0 km/h; s = 1000 n = 10

Operating force for : d_m = 3.0 – 3.5 m/s²

Service brake : 91 N

Secondary brake : 97 N

	Test speed [km/h]	Average braking deceleration [m/s2] Measured	Operating force [N] Measured
Service brake	60.2	5.09	146
Secondary	60.3	4.92	145

2.6 Parking brake system test

Not applicable

2.7 ABS test

Not applicable

2.8 Partial failure test

Not applicable

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2.9 Power-assisted braking system failure test

Not applicable

2.10 CBS failure test

Not applicable (the service brake system and secondary brake system do not share a common hydraulic transmission)

3 Place and date of the test : NMQSII – Nanchang, P.R. China
02.03.2022

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Auto Service

Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 3/2014 Dated **24.10.2013**
Incl. amendment Regulation (EU) 2016/1824 Dated **14.07.2016**

B3 Vehicle functional safety requirements
Electrical safety

General information of tested vehicle

0.1	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 8 and Annex IV
0.2	General data		
0.3	Make	:	PINGANDAYUN
0.4	Type	:	H1
0.4.1	Variants	:	0
0.4.2	Versions	:	0
0.5.1	Test date(s)	:	03.03.2022
0.5.2	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.5.3	Test vehicle	:	Prototype

Test record

1 Main Requirements:

1.1	Requirements according to	:	Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 8 and Annex IV

2 Condition of test:

2.1	Laboratory temperature [°C]	:	25
2.2	Worst case	:	Same electrical safety system,vehicle with higher speed is selected to test

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3 Test results:

	General requirements		
3.1	Protection against direct contact with live part and marking requirements: §2.1 and related subparagraphs	:	No enclosed driving and passenger compartment is present, test probe IPXXD is fulfilled. Specific requirement par. 2.1.1, 2.1.2 are not applicable.
3.1.1	Connector: §2.1.4		
	a) comply with the protection degree IPXXB when separated without the use of tools;	:	Fulfilled
	b) located underneath the vehicle floor and are provided with a locking mechanism	:	Not applicable
	c) provided with a locking mechanism and other components shall first be removed with the use of tools in order to separate the connector	:	Fulfilled
	d) the voltage of the live parts becomes ⩽ DC 60 V or ⩽ AC 30 V (rms) within one second after the connector is separated	:	Fulfilled
3.1.2	Service disconnect: §2.1.5	:	The protection degree IPXXB was fulfilled.
3.1.3	Specific marking requirements: §2.1.6	:	The marking of high voltage was placed on the REESS and other high voltage equipment. The symbol background was yellow, the bordering and the arrow was black.
3.2	Protection against indirect contact with live parts: §2.2 and related subparagraphs	:	Vehicle complies with requirements 2.2.1; resistance between all exposed conductive parts and the electrical chassis 0.08Ω (< 0.1 Ω) when there is current flow of 12.57A (>0.2 A).
3.2.1	In case of vehicles intended to be connected to a grounded external electric power supply through a conductive connection: §2.2.3	:	The electrical chassis was galvanic connected to the earth ground, and retain this connection until after the exterior voltage is removed from the vehicle.
3.3	Insulation resistance		
3.3.1	Electric power trains consisting of separate DC or AC-buses:§2.3.1	:	Vehicle complies with requirements: isolation resistance between all high voltage busses and the electrical chassis is 980 KΩ/V, more than 100 Ω/V for DC, which measured according to the appendix 1 of Annex IV.
3.3.2	Electric power train consisting of combined DC- and AC-buses: §2.3.2	:	Not applicable
3.3.3	Fuel cell vehicles: §2.3.3	:	Not applicable
3.3.4	Isolation resistance requirements for the coupling system for charging the REESS: §2.3.4	:	Fulfilled, isolation resistance is 510 MΩ, more than limit 1.0 MΩ.

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3.4	Requirements concerning the REESS: §3. and related subparagraphs	:	Vehicle complies with requirements 3.1, 3.3 and 3.4. Specific requirement par. 3.2 was not applicable. The REESS and its components were not ejected when the vehicle is tilted in any direction, leaned left or right against the ground or even when the REESS is put upside-down, and the electrolyte was not spill out.
3.5	Propulsion system power-on and power-off procedure		
3.5.1	Start-up: §4.1.1	:	Two deliberate and distinctive actions to start-up vehicle.
3.5.2	Driving mode: §4.1.2	:	“Ready” symbol
3.5.3	Driving mode when rider is leaving: §4.1.3	:	Not applicable
3.5.4	Charging mode: §4.1.4	:	Vehicle complies with requirements: during the charging phase, the vehicle turns off automatically.
3.5.5	Reversing device: §4.1.5	:	Not applicable
3.5.6	Power off or deactivation of driving mode: §4.1.6	:	Fulfilled
3.6	Indication of reduced power: §4.2.1	:	Not applicable
3.7	Indication of low energy content of REESS: §4.2.2	:	Fulfilled
3.8	Driving backwards: §4.3	:	Fulfilled
3.9	Determination of hydrogen emissions: §4.4 and related subparagraphs	:	Not applicable
3.10	Requirements as per directive described in this test record	:	Complies

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Auto Service

Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 3/2014 Dated **24.10.2013**
Incl. amendment Regulation (EU) 2016/1824 Dated **14.07.2016**

B7 Vehicle functional safety requirements
Driver-operated controls including identification of controls, tell-tales and indicators

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 12 and Annex VIII

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	02.03.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 12 and Annex VIII
1.2.	Measuring and testing equipments	:	Measuring plate with meter and digital protractor for measuring the geometrical visibility GPS road tester with type VB3i-V4G Parameters: t, s, v, P
1.3.	Remarks	:	The test equipment used was in compliance with the test requirements.

2. Condition of test

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2.1.	Weather / Ambient temperature	:	Dry / 27.2 °C
2.2.	Sort of speedometer / drive	:	Directly connect to controller, to drive speedometer through the signal from controller
2.3.	Range of displayed speed	:	0~88 km/h, 0~88 mph
2.4.	Worst case	:	Single case

3. Test results

3.1. Speedometer

3.1.1.	Speedometer visibility	:	Within the direct field of view of the driver, with lighting
3.1.2.	Speedometer scaling	:	Scale in km/h ~~or mph~~ according legislation

3.1.3. Accuracy of the speedometer

V_1 [km/h]	t [sec]	S [m]	V_2 [km/h]	measured difference (V_1 - V_2) [km/h]	max. permissible difference ($0.1V_2$ + 4) [km/h]
40.0	--	--	39.3	0.7	7.93
58.0	--	--	55.1	2.9	9.51
--	--	--	--	--	--

3.2. Driver-operated controls

3.2.1. Engine controls

Ignition switch	:	Rotary switch
Starter switch	:	Not applicable
Engine speed	:	Rotating handgrip, right side handlebar
Ignition contact breaker	:	Not applicable

3.2.2.	Brakes	:	Hand lever on the left and right side handlebar
3.2.3.	Transmission	:	Not applicable
	Clutch	:	Not applicable

3.2.4. Controls for lighting and signal devices

Audible warning device	:	Button on left side handlebar
Light control switch	:	Not applicable
Driving / Passing beam switch	:	Button on left side handlebar
Direction indicators switch	:	Button on left side handlebar

3.2.5.	Fuel supply controls	:	Not applicable
3.3.	Identification of controls, tell-tales and indicators	:	See information document 6.9. Conforms to Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Annex VIII Section 2

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Société Nationale de Certification et d'Homologation

Auto Service

Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 3/2014 Dated **10.01.2014**
Incl. amendment Regulation (EU) 2016/1824 Dated **14.07.2016**

B8 **Vehicle functional safety requirements**
Installation of lighting and light signalling devices, including automatic switching-on of lighting

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 13 and Annex IX

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	26.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 12 and Annex VIII
1.2.	Measuring and testing equipments	:	Measuring plate with meter and digital protractor for measuring the geometrical visibility
1.3.	Remarks	:	The test equipment used was in compliance with the test requirements.

2. Condition of test

2.1.	Weather / Ambient temperature [°C]	:	Dry / 27.2 °C
2.2.	Test area, general condition	:	Flat surface, vehicle in running order without driver

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Société Nationale de Certification et d'Homologation

2.3. Worst case : Single case

3. Test results

3.1. The general specifications according to Reg. (EU) 3/2014 Annex IX Section 2.2 are fulfilled

3.2. Individual specifications according to Reg. (EU) 3/2014 Annex IX Section 2.3 are fulfilled

3.2.1. Main beam headlamps

Number	:	1			
Colour	:	White			
Approval mark	:	right hand traffic		left hand traffic	
		Conform with information document point 6.11.1.			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		left	right	up	down
		> 5°	> 5°	> 5°	> 5°
Electrical circuit	:	In accordance to the legislation			
Circuit-closed telltale	:	Not applicable			

3.2.2. Dipped beam headlamps

Number	:	1			
Colour	:	White			
Approval mark	:	right hand traffic		left hand traffic	
		Conform with information document point 6.11.1.			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		left	right	up	down
		> 45°	> 45°	> 15°	> 10°
Electrical circuit	:	In accordance to the legislation			
Circuit-closed telltale	:	Not applicable			

3.2.3. Direction indicator lamps

Electrical circuit	:	In accordance to the legislation
Circuit-closed telltale	:	Indicator lamp (green); in accordance to the legislation

3.2.3.1. Category 11, front

Number	:	2			
Approval mark	:	Conform with information document point 6.11.1.			
Distance between the front direction indicators	:	Conform with information document point 6.11.2. ≥ 240 mm			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		Outwards	Inwards	up	down
		> 80°	> 20°	> 15°	> 15°

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3.2.3.2. **Category 12, rear**

Number	:	2			
Approval mark	:	Conform with information document point 6.11.1.			
Distance between the rear direction indicators	:	Conform with information document point 6.11.2. ≥ 180 mm			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		Outwards	Inwards	up	down
		> 80°	> 20°	> 15°	> 15°

3.2.4. **Stop light**

Number	:	1			
Approval mark	:	Conform with information document point 6.11.1.			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		left	right	up	down
		> 45°	> 45°	> 15°	> 15°
Electrical circuit	:	In accordance to the legislation			
Circuit-closed telltale	:	Not applicable			

3.2.5. **Front position light**

Number	:	1			
Colour	:	White			
Approval mark	:	right hand traffic		left hand traffic	
		Conform with information document point 6.11.1.			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		left	right	up	down
		> 80°	> 80°	> 15°	> 15°
Electrical circuit / Circuit-closed telltale	:	Together with rear position lamp and rear registration plate lamp			

3.2.6. **Rear position light**

Number	:	1			
Approval mark	:	Conform with information document point 6.11.1.			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		left	right	up	down
		> 80°	> 80°	> 15°	> 15°
Electrical circuit / Circuit-closed telltale	:	Together with front position lamp and rear registration plate lamp			

3.2.7. **Front fog lamps** : Not applicable

2.2.8. **Rear fog lamps** : Not applicable

3.2.9. **Hazard warning signal**

Number : 4
Electrical circuit : In accordance to the legislation
Switch on control : Simultaneous operation of the telltales of the direction indicators

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3.2.10. **Rear registration plate lamp**

Number	:	1
Approval mark	:	Conform with information document point 6.11.1.
Height above the road way	:	Conform with information document point 6.11.2.
Electrical circuit / Circuit-closed telltale	:	Together with front position lamp and rear position lamp
Arrangement	:	The mounting of the registration plate lamp ensures correct illumination of the registration plate

3.2.11. **Non-triangular side retro-reflectors**

Number	:	1 per side			
Approval mark	:	Conform with information document point 6.11.1.			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		front	rear	up	down
		> 30°	> 30°	> 15°	> 15°

3.2.12. **Non-triangular rear retro-reflectors**

Number	:	1			
Approval mark	:	Conform with information document point 6.11.1.			
Height above the road way	:	Conform with information document point 6.11.2.			
Geometrical visibility	:	horizontal		vertical	
		left	right	up	down
		> 30°	> 30°	> 15°	> 15°

3.2.13. **Daytime running lamp** : Not applicable

The dipped-beam headlamp will automatically be switched on when the engine is running.

3.3. Requirements as per directive described in this test record : Complies

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

Auto Service

T e s t R e p o r t

Uniform provisions concerning the approval of category L vehicles (motorcycles) with regard to

installation of rear-view mirrors on handlebars

No.: ECE-R81

including all amendments up to

00 series supplement 02

Approval status	
☐	Granting of a type approval
☐	Extension/correction to type approval no.: --

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

Auto Service

I. Technical description

0.1.	Make (trade name of manufacturer)	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Commercial description:	:	UFO, H1
0.3.	Category of vehicle	:	L3e-A1
0.4.	Name and address of manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
0.5.	Name(s) and address(es) of assembly plant(s)	:	Wuxi Zhongfa Technology Co., Ltd No.8, North District, Sunshine Industrial Park, Huanghutang Road, Donggang Town, Xishan District, Wuxi, Jiangsu, China
0.6.	Name and address of manufacturer's authorised representative	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy
0.7.	Location of approval mark	:	Not applicable
0.8.	Information document		
	No.	:	168/2013-H1-00
	Date of issue	:	20.02.2022
	Date of latest amendment	:	Not applicable

II. Test record

1. Test conditions

1.1. Technical data of the test vehicle

Type	:	H1
Commercial description	:	H1
Vehicle identification number	:	Prototype
Maximum designed speed	:	72 km/h

1.2. Measuring instruments

Dimensions	:	Measuring tape

2. Test results

2.1. Particular requirements according to item 16. of the regulation

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

2.1.1. Mirrors fitted to the vehicle

	Approval mark	Make	Type
Left	L E4 000314	WEIYOU	WY-DDC-HSJ-061
Right	L E4 000314	WEIYOU	WY-DDC-HSJ-061

2.1.2. Center of reflecting surface from the median longitudinal plane of the vehicle

	Measured	Limit
Mirror left	370 mm	≥ 280 mm
Mirror right	370 mm	≥ 280 mm

2.1.3. The mirror remain stable under normal operating conditions.

2.1.4. In normal driving position gives a view to the rear.

2.1.5. In normal driving position, the driver can adjust the mirror.

3. Location and date of test : NMQSII – Nanchang, P.R. China
26.02.2022

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

III. Statement of conformity

The mentioned information folder and the type described therein are in accordance with the test basis mentioned above. The worst-case was selected in accordance with document "Requirements for Test Reports (AS-PB-T-02)".

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TÜV SÜD Auto Service GmbH is designated as Technical Service by:

Approval authority	Country	Registration number
Kraftfahrt-Bundesamt (KBA)	Germany	KBA-P 00100-10
Vehicle Certification Agency (VCA)	United Kingdom	VCA-TS-006
Approval Authority of the Netherlands (RDW)	The Netherlands	RDWT-082-xx
National Standards Authority of Ireland (NSAI)	Ireland	Technical Service Number: 49
Société Nationale de Certification et d'Homologation (SNCH)	Luxembourg	13/B(g)

München, 26.02.2022 (dd.mm.yyyy)

Hui Yang

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

Auto Service

Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 3/2014 Dated **24.10.2013**
Incl. amendment Regulation (EU) 2016/1824 Dated **14.07.2016**

B12 **Vehicle functional safety requirements**
Seating positions (saddles and seats)

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 17 and Annex XIII

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	26.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. **Main Requirements**

1.1.	Requirements according to	:	Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 17 and Annex XIII
1.2.	Vehicle fitted with	:	Saddle
1.3.	Number of seats	:	2
1.4.	Positioning of seats	:	Seating positions are forward-facing

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2. Condition of test

2.1.	R point	:	They are in according to Annex XIII, paragr. 1.4.1 taken and declared by manufacturer
2.2.	Seatbelts	:	Not applicable
2.3.	Worst case	:	Single case

3. Test results

3.1.	Positioning of R point	:	Measuring the height of R point of the driver, in all seats, it's ≥ 540mm from ground level
3.2.	Seat backs	:	Not applicable
3.3.	Requirements as per directive described in this test record	:	Complies

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 3/2014 Dated **24.10.2013**
Incl. amendment Regulation (EU) 2016/1824 Dated **14.07.2016**

B13 **Vehicle functional safety requirements**
Steer-ability, cornering properties and turn-ability

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 18 and Annex XIV

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	28.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 18 and Annex XIV
1.2.	Vehicle fitted with free differential	:	No
1.3.	Tire pressure [kPa]	:	250 / 250

2. Condition of test

2.1.	Weather / Ambient temperature	:	Dry / 27.2 °C
2.2.	Test track	:	Asphalt

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2.3.	Wind speed	:	0.2 m/s
2.4.	Vehicle mass	:	Laden
2.5.	Worst case	:	Vehicle with higher speed is selected for testing
3.	**Test results**		
3.1.	Turning from straight ahead	:	Steer-ability in a spiral with final turning circle radius of 12 m at a speed of at least 6 km/h
3.2.	Test of speed on turning circle	:	It's possible to keep 23 km/h on a turning circle with radius of 10 m
3.3.	Straight test	:	No unusual correction are requested on steering to keep the right lane.
3.4.	Constant turning	:	Not applicable
3.5.	Requirements as per directive described in this test record	:	Complies

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 3/2014 Dated **24.10.2013**
Incl. amendment Regulation (EU) 2016/1824 Dated **14.07.2016**

B14 Vehicle functional safety requirements
Installation of tyres

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 22 in connection with Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 19 and Annex XV

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	26.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 3/2014 including amendment Reg. (EU) 2016/1824, Article 19 and Annex XV
1.2.	Remarks	:	The test equipment used was in compliance with the test requirements.

2. Condition of test

2.1.	Worst case	:	Vehicle with higher speed is selected for testing

3. Technical data of the test vehicle

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3.1.	Mass in running order	:	67 kg
3.2.	Actual mass	:	163 kg
3.3.	Technically permissible maximum laden mass	:	238 kg
3.3.1.	Technically permissible maximum mass on front axle	:	87 kg
3.3.2.	Technically permissible maximum mass on rear axle	:	151 kg
3.3.3.	Technically permissible maximum mass on sidecar axle	:	Not applicable
3.4.	Declared maximum or maximum design vehicle speed	:	72 km/h
3.5.	Tyres size desigination		
	Front axle	:	90/90-12 54J
	Rear axle	:	90/90-12 54J
	Sidecar axle	:	Not applicable
3.6.	Tyres markings		
	Front axle	:	E11-75R-001163
	Rear axle	:	E11-75R-001163
	Sidecar axle	:	Not applicable
3.7.	Tyre pressure(s) as recommended by vehicle manufacturer [kPa]		
	Front axle	:	250
	Rear axle	:	250
	Sidecar axle	:	Not applicable

4. Results

4.1.	Installation of tyres	:	Complies to the requirements of 3/2014 including amendment Reg. (EU) 2016/1824, Annex XV
4.2.	Interference on vehicle components	:	Any contact of tires, using the maximum design of specified tires, with structure of the vehicle has been verified.
4.3.	Load classification	:	Complies to Section 3 of 3/2014 including amendment Reg. (EU) 2016/1824, Annex XV
4.4.	Speed classification	:	Complies to Section 4 of 3/2014 including amendment Reg. (EU) 2016/1824, Annex XV
4.5.	Tire pressure	:	The manufacturer has been indicated on the vehicle the right pressure of tires in any condition

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 44/2014 Dated **21.11.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C1 **Vehicle construction and general type-approval requirements**
Powertrain tampering prevention measures (anti-tampering)

0.0	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 20 in connection with Reg. (EU) 44/2014 including latest amendment Reg. (EU) 2018/295, Article 6 and Annex II

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	28.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	VIN	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 6 and Annex II
1.2.	Remarks	:	The test equipment used was in compliance with the test requirements.

2. Condition of test

2.1.	Weather / Ambient temperature	:	Dry / 27.2 °C
2.2.	Worst case	:	Single case

3. Test results

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3.1.	Manufacturer's declaration	:	Yes, manufacturer provide
3.2.	Evaluation of interchangeable components	:	In no case may the approved maximum design vehicle speed and/or the maximum continuous rated and/or net engine power of the relevant (sub)category, set out in Annex I to Regulation (EU) No 168/2013 may, be exceeded meaning that in any case the vehicle's propulsion unit performance shall remain within the conformity of production boundaries set out in point 4.1.4 of Annex IV to Regulation (EU) No. 44/2014 including amendment Reg. (EU) 2018/295
3.3.	DTCs erase	:	Not applicable
3.4.	Intake system	:	Not applicable
3.5.	Engine and exhaust system	:	Not applicable
3.6.	Marking of sensible components	:	Complies to the legislation
3.7.	Requirements as per directive described in this test record	:	Complies

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Auto Service

Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 44/2014 Dated **21.11.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C5 Vehicle construction and general type-approval requirements
Devices to prevent unauthorised use

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 10 and Annex VI

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	02.03.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 10 and Annex VI
1.2.	Special requirement	:	Vehicle is equipped with a protective device acting on the steering (handlebar)
1.3.	Remarks	:	The test equipment used was in compliance with the test requirements.

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2. Condition of test

2.1.	Laboratory temperature [°C]	:	19° C
2.2.	Worst case	:	Single case

3. Test results

3.1.	Type of protective device		
3.1.1.	Type 1: solely and positively operated on the steering alone	:	Not applicable
3.1.2.	Type 2: positively operated on the steering in conjunction with the device which de-activates the engine	:	Yes
3.1.3.	Type 3: pre-loaded, operated on the steering in conjunction with the device which de-activates the engine	:	Not applicable
3.1.4.	Type 4: positively operated on the transmission	:	Not applicable
3.1.5.	Device is as specified in documentation	:	Yes
3.2.	Manufacturer certifies 1000 different combinations	:	Yes
3.3.	Nearest key in combination does not turn lock cylinder with a torque of less than 0.245 daNm	:	Yes
3.4.	The General Requirements in Item No. 5 of the Regulation are fulfilled	:	Yes
3.5.	The Specific Requirements in Item No. 6 of the Regulation are fulfilled	:	Yes
3.6.	Protective device acting on the gearshift control	:	Not applicable
3.7.	Requirements as per directive described in this test record	:	Complies

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Auto Service

T e s t R e p o r t

Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility

No.: ECE-R10

including all amendments up to

06 series supplement 1

Approval status	
☐	Granting of a type approval
☐	Extension/correction to type approval no.: --

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I. Technical description

0.1.	Make (trade name of manufacturer)	:	PINGANDAYUN
0.2.	Type Variant Version	:	H1 0 0
0.2.1.	Commercial description:	:	UFO, H1
0.3.	Category of vehicle	:	L3e-A1
0.4.	Name and address of manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
0.4.1.	Name(s) and address(es) of assembly plant(s)	:	Wuxi Zhongfa Technology Co., Ltd No.8, North District, Sunshine Industrial Park, Huanghutang Road, Donggang Town, Xishan District, Wuxi, Jiangsu, China
0.5.	Name and address of manufacturer's authorised representative	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy
0.6.	Location of approval mark	:	Not applicable
0.7.	Information document		
	No.	:	168/2013-H1-00
	Date of issue	:	20.02.2022
	Date of latest amendment	:	Not applicable

II. Test conditions and record

1.	Technical data of the test vehicle		
1.1.	Type of vehicle Variant Version	: : :	H1 0 0
1.2.	Worst case	:	Same design characteristics of the electronic components and their wire harnesses, and their method of attachment and location on the vehicle,vehicle with higher power is selected to test
1.3.	VIN	:	Prototype
1.4.	Engine		
1.4.1.	Manufacturer of engine	:	Zhejiang Quanshun Electric Drive Technology Co., Ltd.
1.4.2.	Type of engine	:	ZF72V20TT
2.	Carrying out of the test		

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2.1.	Broadband electromagnetic radiation at normal operating mode		
2.1.1.	Method of measurement	:	Measured by the method described in Annex 4 of ECE R10. Using a vehicle-to-antenna spacing and a peak detector to measure by the method described in annex 4 of the regulation. See attachment
2.1.2.	Result	:	The measured values, expressed in dBµV/m, are below the reference limits. Complies to the requirements.
2.2.	Narrowband electromagnetic radiation at normal operating mode		
2.2.1.	Method of measurement	:	Using a vehicle-to-antenna spacing and an average detector to measure by the method described in annex 5 of the regulation. See attachment
2.2.2.	Result	:	The measured values, expressed in dBµV/m, are below the reference limits. Complies to the requirements.
2.3.	Immunity of the vehicle to electromagnetic radiation at running mode		
2.3.1.	Method of measurement	:	Measured by the method described in annex 6 of the regulation. See attachment
2.3.2.	Result	:	No degradation of function during test. The vehicle had not exhibited any unacceptable malfunction. The claimed functional state was fulfilled during the test. See attachment
2.4.	Broadband electromagnetic radiation at charging		
2.4.1.	Method of measurement:	:	Using a vehicle-to-antenna spacing and a peak detector to measure by the method described in annex 4 of ECE R10.
2.4.2.	Result	:	The measured values, expressed in dBµV/m, are below the reference limits. The test passed. See attachment
2.5.	Emissions of harmonics on AC power lines		
2.5.1.	Method of measurement	:	Test carried out according to annex 11 of the regulation
2.5.2.	Results	:	The measured values are below the reference limits. See attachment
2.6.	Emission of voltage changes, voltage fluctuations and flicker on AC power lines		

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2.6.1.	Method of measurement	:	Test carried out according to annex 12 of the regulation. See attachment
2.6.2.	Results	:	The measured values are below the reference limits. See attachment
2.7.	Emission of radiofrequency conducted disturbances on AC or DC power lines		
2.7.1.	Method of measurement	:	Test carried out with quasi-peak according to annex 13 of the regulation. See attachment
2.7.2.	Results	:	The measured values are below the reference limits. See attachment
2.8.	Emission of radiofrequency conducted disturbances on network and telecommunication access		
2.8.1.	Method of measurement	:	Not applicable
2.8.2.	Vehicle configuration	:	Not applicable
2.8.3.	Results	:	Not applicable
2.8.4.	Remarks	:	Not applicable
2.9.	Immunity of vehicles to electromagnetic radiation at REESS mode		
2.9.1.	Method of measurement	:	Measured by the method described in annex 6 of the regulation. See attachment
2.9.2.	Results	:	During and after the immunity test no degradation or loss of performance for the observed electric / electronic control units or systems was detected.
2.10.	Immunity of vehicles to electrical fast transient/burst disturbances conducted along AC and DC power lines		
2.10.1.	Method of measurement	:	Measured by the method described in annex 15 of the regulation. See attachment
2.10.2.	Results	:	During and after the immunity test no degradation or loss of performance for the observed electric / electronic control units or systems was detected.
2.11.	Immunity of vehicles to surge conducted along AC or DC power lines		
2.11.1.	Method of measurement	:	Measured by the method described in annex 16 of the regulation. See attachment
2.11.2.	Results	:	During and after the immunity test no degradation or loss of performance for the observed electric / electronic control units or systems was detected.
3	Worst case		Vehicle with higher speed is selected for testing
4.	Location and date of the test	:	NMQSII – Nanchang, P.R. China 07.03.2022

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III. Enclosures

1. Broadband electromagnetic radiation at normal operating mode
2. Narrowband electromagnetic radiation at normal operating mode
3. Immunity of the vehicle to electromagnetic radiation at running mode
4. Broadband electromagnetic radiation at charging
5. Emissions of harmonics on AC power lines
6. Emission of voltage changes, voltage fluctuations and flicker on AC power lines
7. Emission of radiofrequency conducted disturbances on AC or DC power lines
8. Immunity of vehicles to electromagnetic radiation at REESS mode
9. Immunity of vehicles to electrical fast transient/burst disturbances conducted along AC and DC power lines
10. Immunity of vehicles to surge conducted along AC or DC power lines
11. Test equipment list

IV. Statement of conformity

The mentioned information folder and the type described therein are in accordance with the test basis mentioned above. The worst-case was selected in accordance with document "Requirements for Test Reports (AS-PB-T-02)".

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TÜV SÜD Auto Service GmbH is designated as Technical Service by:

Approval authority	Country	Registration number
Kraftfahrt-Bundesamt (KBA)	Germany	KBA-P 00100-10
Vehicle Certification Agency (VCA)	United Kingdom	VCA-TS-006
Approval Authority of the Netherlands (RDW)	The Netherlands	RDWT-082-xx
National Standards Authority of Ireland (NSAI)	Ireland	Technical Service Number: 49
Société Nationale de Certification et d'Homologation (SNCH)	Luxembourg	13/B(g)

München, 07.03.2022 (dd.mm.yyyy)

Hui Yang

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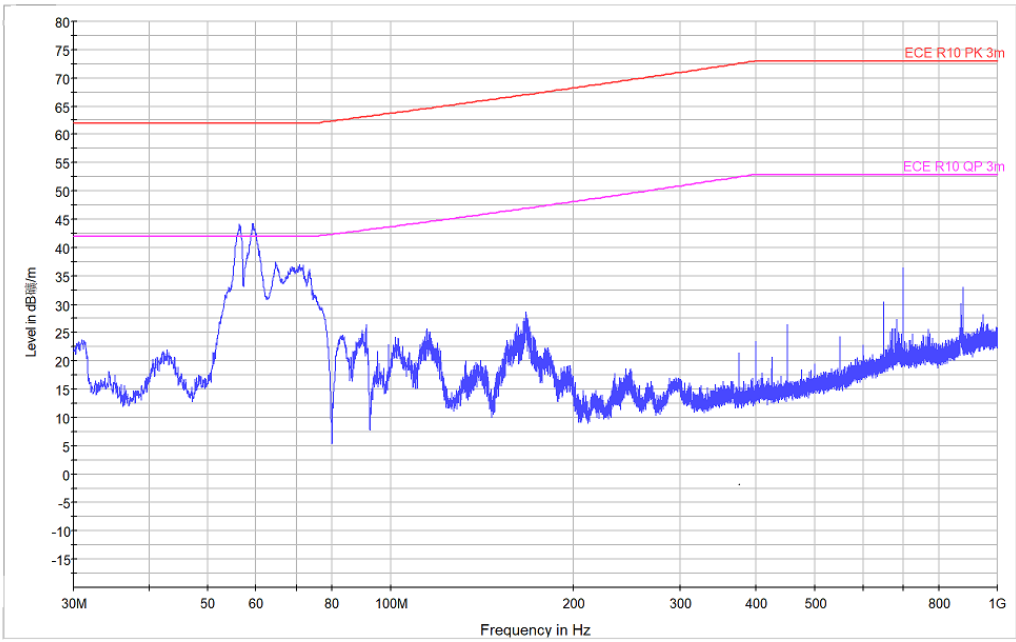
Broadband electromagnetic radiation at normal operating mode

Vehicle systems	**State during test**
Speed	40 km/h
Head lamp	On
Front position lamp	On
Hazard lamp	On
Fog lamps	Not applicable
Rear lamps	On
Rear windscreen heating system	Not applicable
Windscreen Wiper	Not applicable
Air conditioning system	Not applicable
Radios and CD	Not applicable
Air bag and safety belt system	Not applicable

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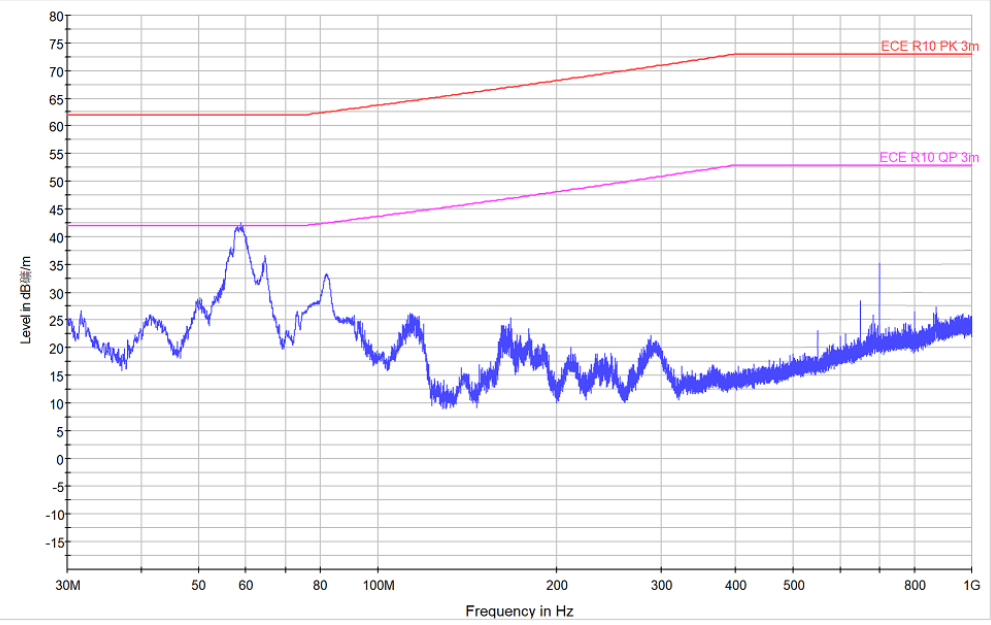
Broadband electromagnetic radiation at normal operating mode (Continuation)

Vertical polarization, left side of vehicle (Measurements were performed with peak detectors)



-------PK limit ------PK value

Horizontal polarization, left side of vehicle (Measurements were performed with peak detectors)

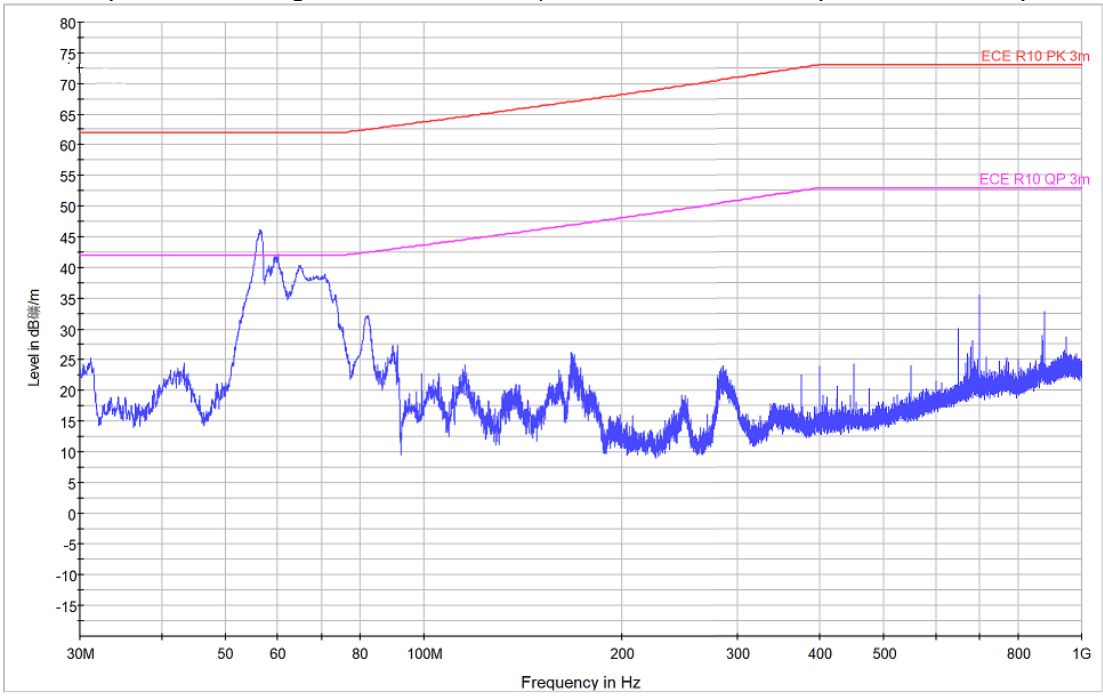


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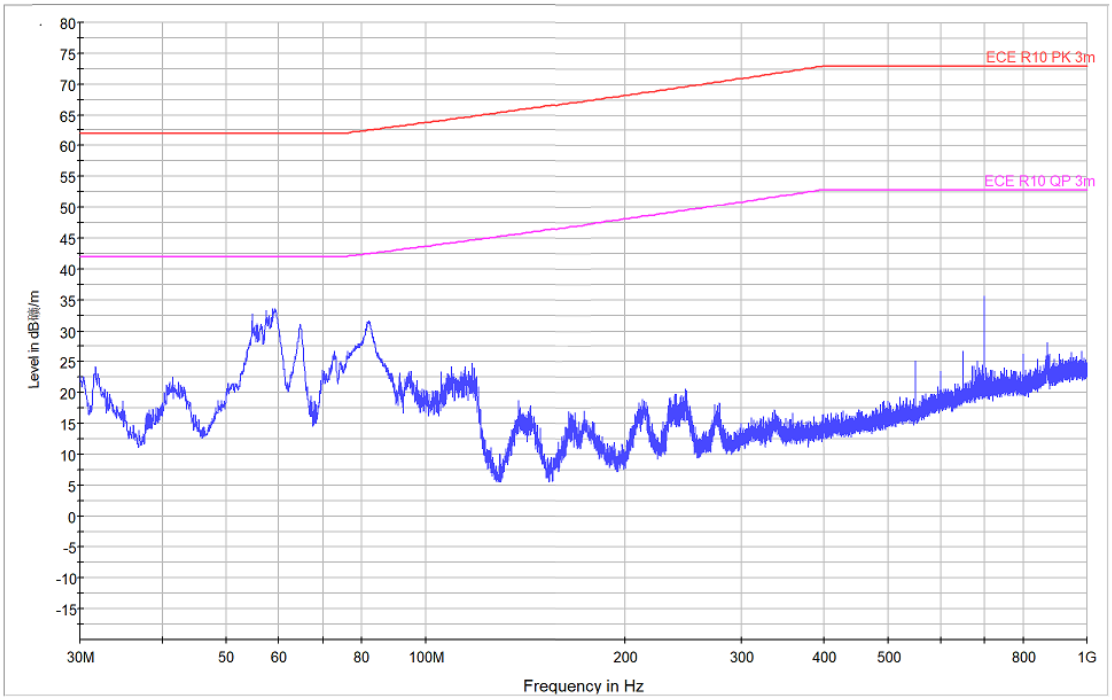
Broadband electromagnetic radiation at normal operating mode (Continuation)

Vertical polarization, right side of vehicle (Measurements were performed with peak detectors)



-------PK limit ------PK value

Horizontal polarization, right side of vehicle (Measurements were performed with peak detectors)



-------PK limit ------PK value

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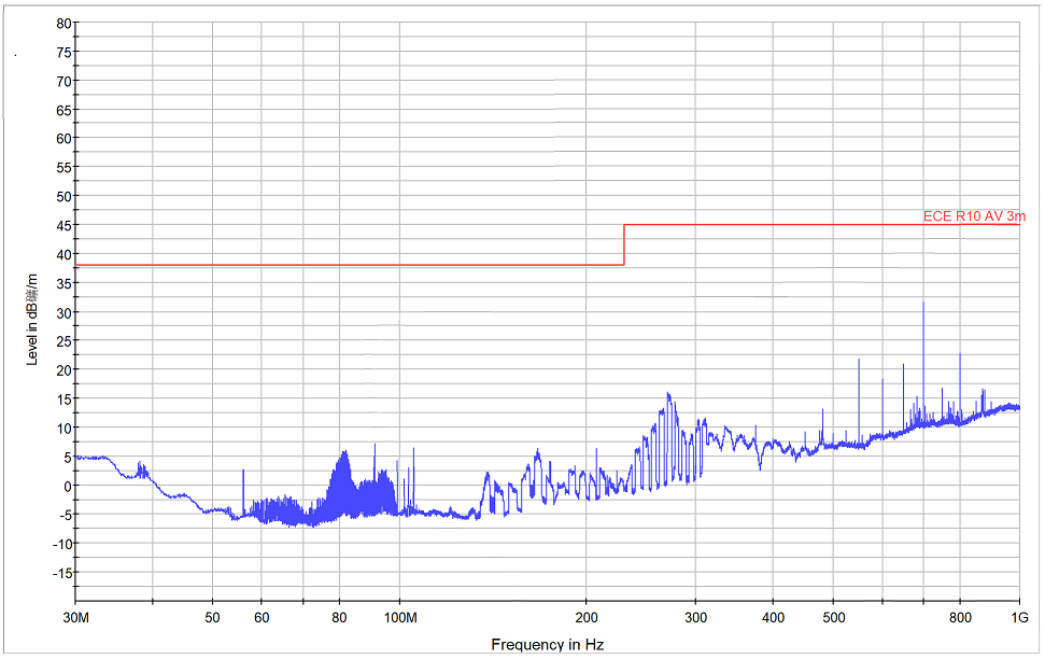
Narrowband electromagnetic radiation at normal operating mode

Vehicle systems	State during test
Ignition switch	On
Engine	Off
Head lamp	On
Front position lamp	On
Rear lamps	On
Hazard lamp	On
Fog lamps	Not applicable
Rear windscreen heating system	Not applicable
Windscreen Wiper	Not applicable
Air conditioning system	Not applicable
Radios and CD	Not applicable
Air bag and safety belt system	Not applicable

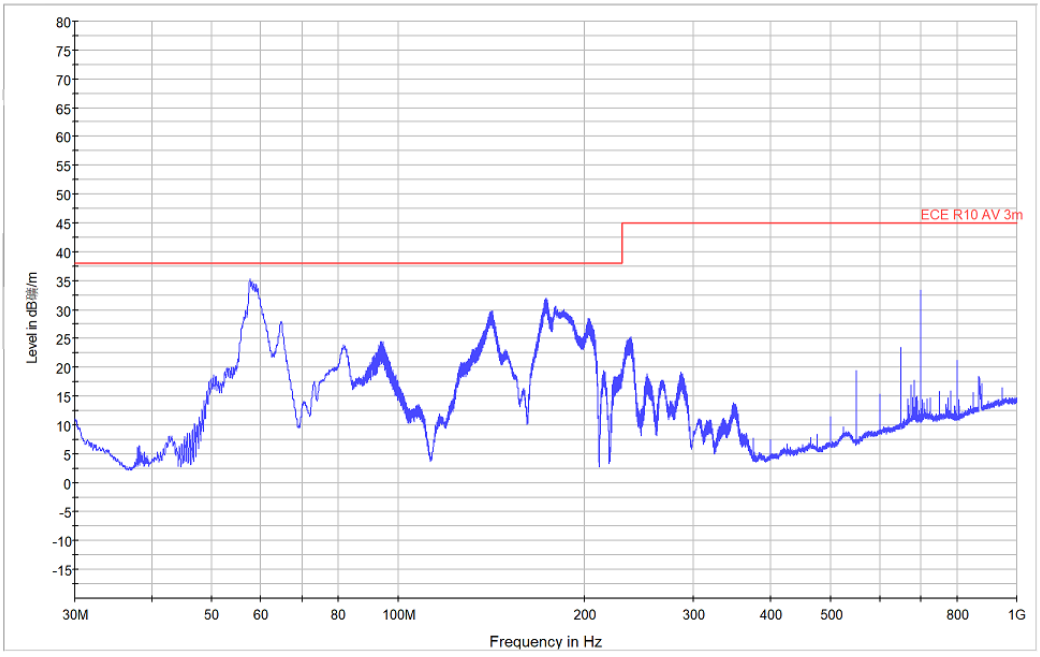
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Narrowband electromagnetic radiation at normal operating mode (Continuation)

Vertical polarization, left side of vehicle



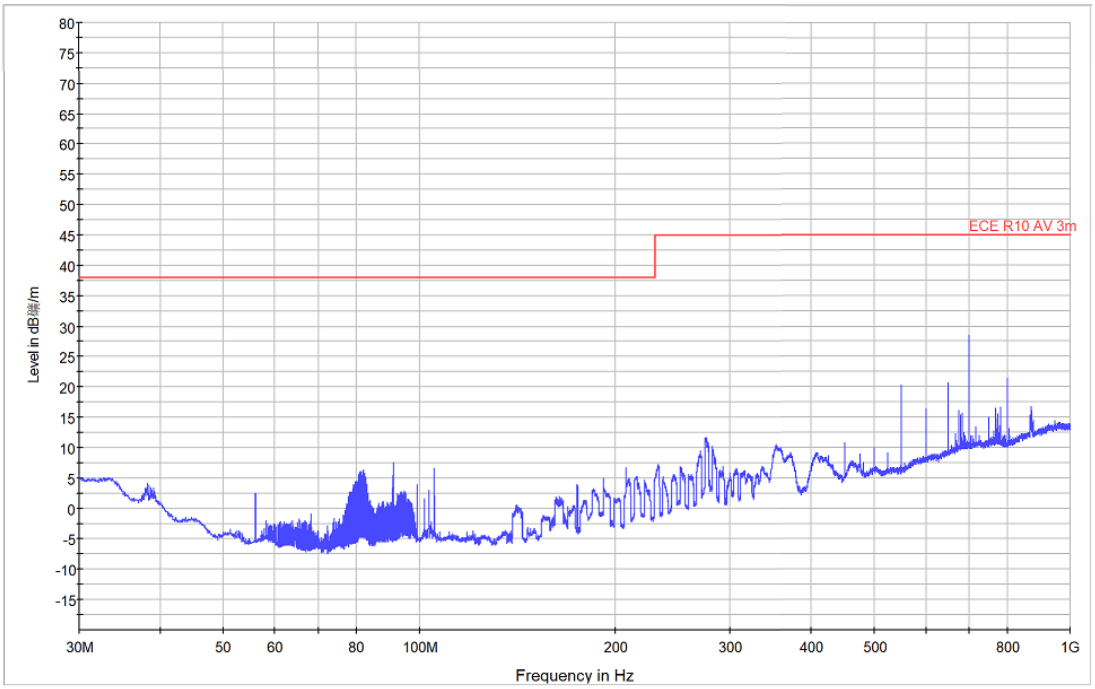
Horizontal polarization, left side of vehicle



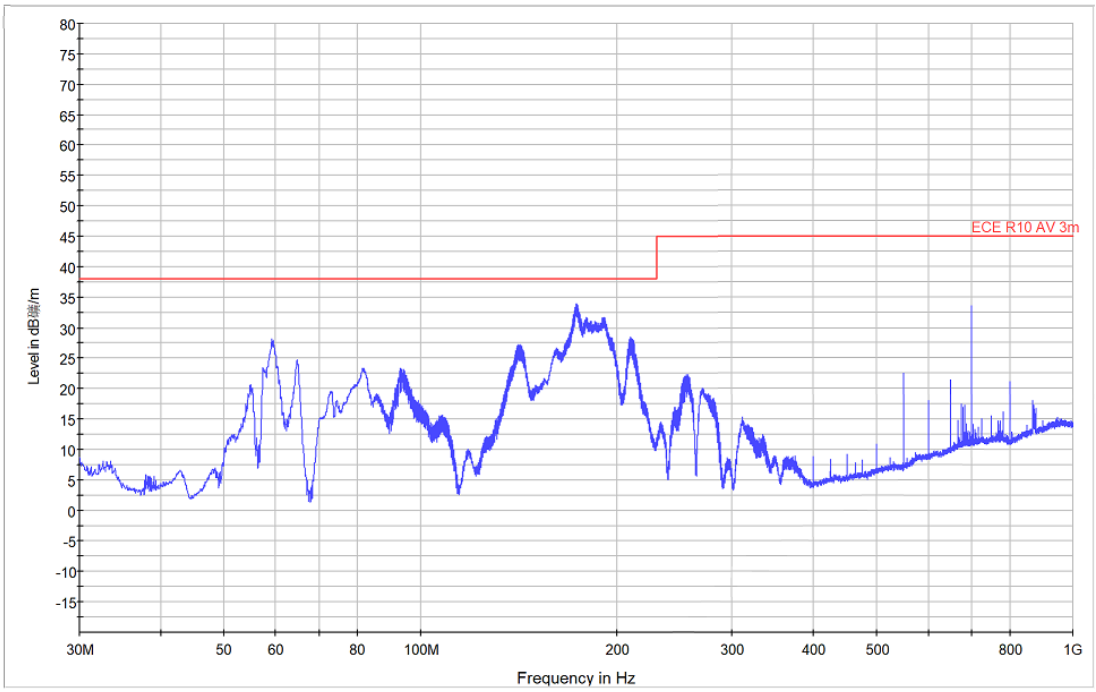
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Narrowband electromagnetic radiation at normal operating mode (Continuation)

Vertical polarization, right side of vehicle



Horizontal polarization, right side of vehicle



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Immunity of the vehicle to electromagnetic radiation at running mode

Vehicle systems	State during test
Vehicle speed	50 km/h
Head lamp (dipped beam)	On
Front wiper	Not applicable
Front position lamp	On
Rear lamps	On
Fog lamps	Not applicable
Rear windscreen heating system	Not applicable
Air conditioning system	Not applicable
Radios and CD	Not applicable
Air bag and safety belt system	Not applicable
Direction indicator on left side	On
Adjustable suspension in normal position	Not applicable
Driver's seat and steering wheel in medium position	Not applicable
Alarm unset	Not applicable
Horn OFF	Yes
Airbag and safety restraint systems operational with inhibited passenger airbag if this function exists	Not applicable
Automatic doors closed	Not applicable
Adjustable endurance brake lever in normal position	Not applicable
Brake cycle	Not applicable

During and after the immunity test, the observed electric / electronic control units or systems fulfill the given functions.

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Broadband electromagnetic radiation at charging

Vehicle systems	State during test
Engine status	Off
Head lamp	Off
Position lamp	Off
Hazard lamp	Off
Fog lamps	Not applicable
Rear lamps	Off
Seat heating	Not applicable
Windscreen Wiper	Not applicable
Air conditioning system	Not applicable
Radios and CD	Not applicable
Air bag and safety belt system	Not applicable
SOC state	20% to 80%
Charging current	at least 80% of its normal value

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Broadband electromagnetic radiation at charging (Continuation)

Vertical polarization, left side of vehicle (Measurements were performed with peak detectors)



-------PK limit ------PK value

Horizontal polarization, left side of vehicle (Measurements were performed with peak detectors)

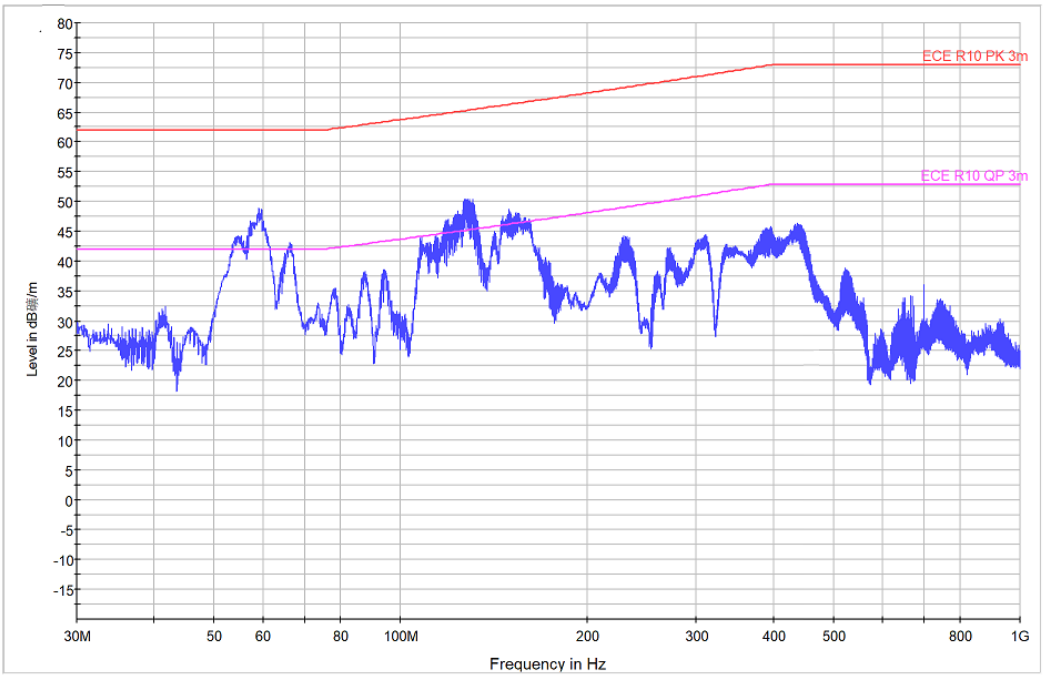


-------PK limit ------PK value

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Broadband electromagnetic radiation at charging (Continuation)

Vertical polarization, right side of vehicle (Measurements were performed with peak detectors)



-------PK limit ------PK value

Horizontal polarization, right side of vehicle (Measurements were performed with peak detectors)



-------PK limit ------PK value

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Emissions of harmonics on AC power lines

Working mode	Charging mode coupled to the power grid
State of charge (SOC)	20% ~ 80% of maximum SOC
Charging current	At least 80% of its normal value
Vehicle status	Immobilized, engine OFF
All other equipment can be switched on permanently by the driver or passenger	Switched OFF

Harmonic number (n)	Results	Maximum authorized harmonic current (A)	Harmonic number (n)	Results	Maximum authorized harmonic current (A)
Odd harmonics			Even harmonics		
3	0.6816	2.3	2	0.0011	1.08
5	0.5686	1.14	4	0.0015	0.43
7	0.4313	0.77	6	0.0021	0.30
9	0.3041	0.40	8	0.0021	0.23
11	0.2250	0.33	10	0.0023	0.18
13	0.2040	0.21	12	0.0022	0.15
15	0.1022	0.15	14	0.0021	0.13
17	0.0973	0.13	16	0.0025	0.12
19	0.0839	0.12	18	0.0028	0.10
21	0.0672	0.11	20	0.0033	0.09
23	0.0531	0.10	22	0.0035	0.08
25	0.0866	0.09	24	0.0032	0.08
27	0.0715	0.08	26	0.0030	0.07
29	0.0565	0.08	28	0.0026	0.07
31	0.0419	0.07	30	0.0022	0.06
33	0.0319	0.07	32	0.0019	0.06
35	0.0282	0.06	34	0.0016	0.05
37	0.0258	0.06	36	0.0013	0.05
39	0.0208	0.06	38	0.0011	0.05
-	-	-	40	0.0008	0.05

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Emission of voltage changes, voltage fluctuations and flicker on AC power lines

Working mode	Charging mode coupled to the power grid
State of charge (SOC)	20% ~ 80% of maximum SOC
Charging current	At least 80% of its normal value
Vehicle status	Immobilized, engine OFF
All other equipment can be switched on permanently by the driver or passenger	Switched OFF

Maximum Flicker results

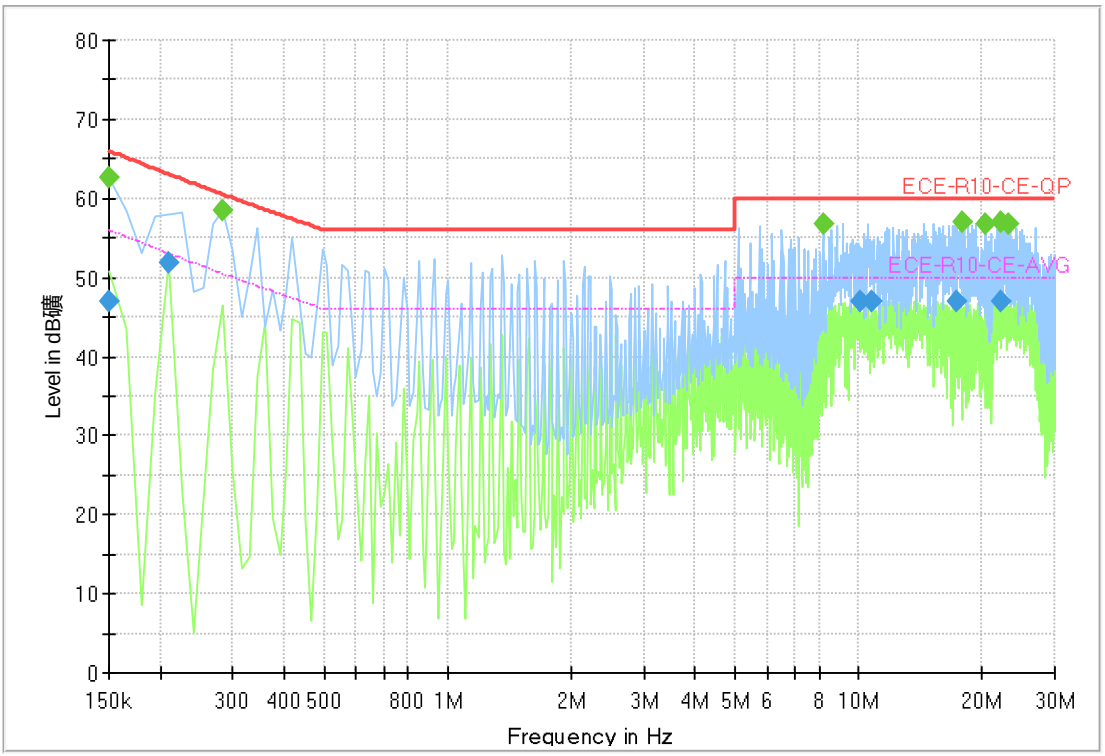
	EUT values	Limit	Result
Pst	0.039	1.00	PASS
Plt	0.031	0.65	PASS
dc [%]	0.000	3.30	PASS
dmax [%]	0.426	6.00	PASS
dt [s]	0.000	0.50	PASS

Remarks:
Pst: short-term flicker indicator
Plt: long-term flicker indicator
dc: relative steady-state voltage change
dmax: maximum relative voltage change
d(t): relative voltage change characteristic

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Emission of radiofrequency conducted disturbances on AC or DC power lines

L line



: QP limit line
: AV limit line
: Test QP value
: Test AV value
: EUT test Peak value
: EUT test average value

Final Result 1 (quasi-peak)

No.	Frequency (MHz)	Quasi Peak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Band width (kHz)	Line	Filter	Corr. (dB)
1	0.150000	62.54	66.00	3.46	1000.0	9.000	L1	OFF	10.3
2	0.285000	58.58	60.54	1.96	1000.0	9.000	L1	OFF	10.0
3	8.175000	56.80	60.00	3.20	1000.0	9.000	L1	OFF	10.1
4	17.835000	57.00	60.00	3.00	1000.0	9.000	L1	OFF	10.2
5	20.265000	56.88	60.00	3.12	1000.0	9.000	L1	OFF	10.3
6	22.095000	56.93	60.00	3.07	1000.0	9.000	L1	OFF	10.3
7	23.220000	56.81	60.00	3.19	1000.0	9.000	L1	OFF	10.3

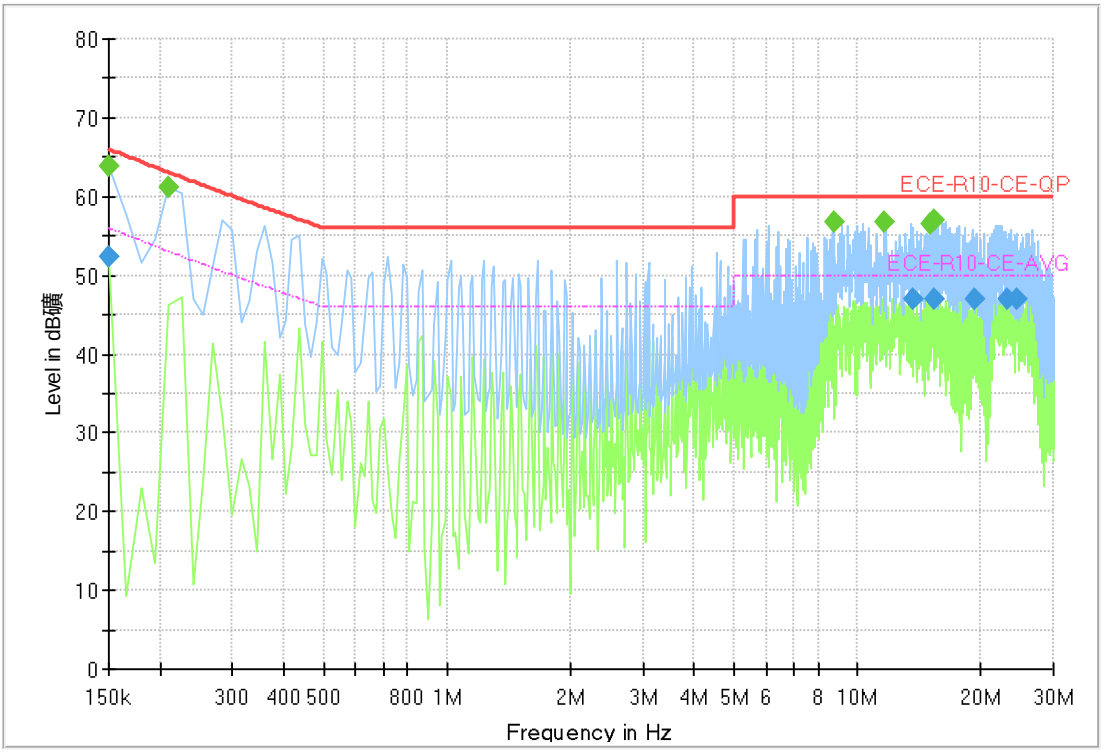
Final Result 2 (average)

No.	Frequency (MHz)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Band width (kHz)	Line	Filter	Corr. (dB)
1	0.150000	46.98	66.00	3.46	1000.0	9.000	L1	OFF	10.3
2	0.210000	51.95	53.04	1.09	1000.0	9.000	L1	OFF	10.0
3	10.035000	46.96	50.00	3.04	1000.0	9.000	L1	OFF	10.1
4	10.770000	46.98	50.00	3.02	1000.0	9.000	L1	OFF	10.2
5	17.355000	46.95	50.00	3.05	1000.0	9.000	L1	OFF	10.2
6	22.110000	46.97	50.00	3.03	1000.0	9.000	L1	OFF	10.3

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Emission of radiofrequency conducted disturbances on AC or DC power lines

N line



: QP limit line
: AV limit line
× : Test QP value
+ : Test AV value
: EUT test Peak value
: EUT test average value

Final Result 1 (quasi-peak)

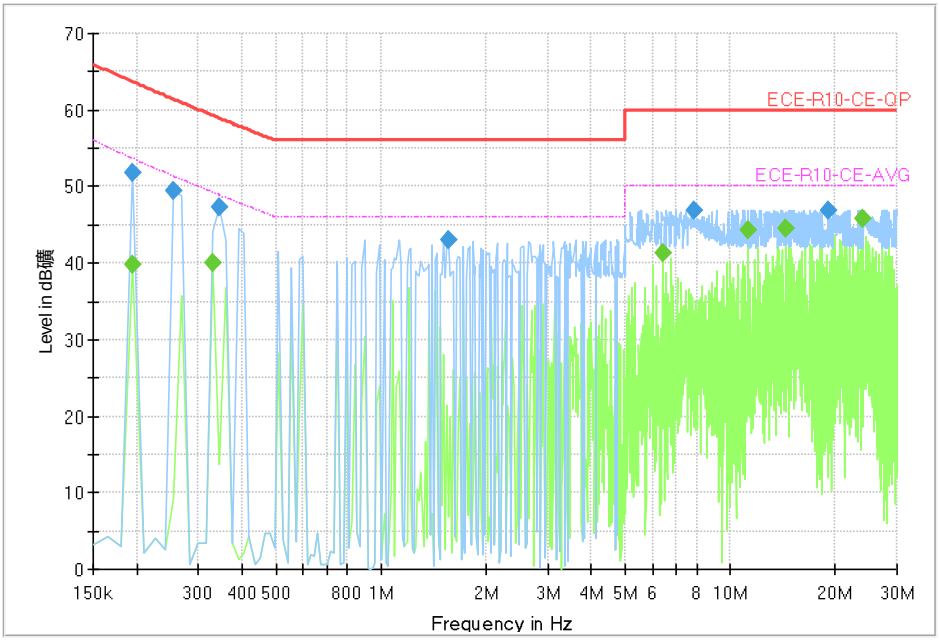
No.	Frequency (MHz)	Quasi Peak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Band width (kHz)	Line	Filter	Corr. (dB)
1	0.150000	63.96	66.00	2.04	1000.0	9.000	N	OFF	10.1
2	0.210000	61.28	63.07	1.79	1000.0	9.000	N	OFF	9.8
3	8.730000	56.66	60.00	3.34	1000.0	9.000	N	OFF	10.1
4	11.595000	56.83	60.00	3.17	1000.0	9.000	N	OFF	10.2
5	15.060000	56.58	60.00	3.42	1000.0	9.000	N	OFF	10.2
6	15.285000	56.91	60.00	3.09	1000.0	9.000	N	OFF	10.2

Final Result 2 (average)

No.	Frequency (MHz)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Band width (kHz)	Line	Filter	Corr. (dB)
1	0.150000	52.41	55.83	3.42	1000.0	9.000	N	OFF	9.7
2	13.635000	46.97	50.00	3.03	1000.0	9.000	N	OFF	10.2
3	15.435000	46.99	50.00	3.01	1000.0	9.000	N	OFF	10.2
4	19.185000	46.92	50.00	3.08	1000.0	9.000	N	OFF	10.3
5	23.235000	46.97	50.00	3.03	1000.0	9.000	N	OFF	10.4
6	24.405000	46.95	50.00	3.05	1000.0	9.000	N	OFF	10.4

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N line



: QP limit line
: AV limit line
× : Test QP value
+ : Test AV value
: EUT test Peak value
: EUT test average value

Final Result 1 (quasi-peak)

No.	Frequency (MHz)	Limit dBuV	Level dBuV	Delta dB	Corr. (dB)	Detector	Phase
1	0.195000	63.79	51.88	11.91	9.9	QP	N
2	0.255000	61.34	49.43	11.91	10.0	QP	N
3	0.345000	58.77	47.27	11.5	10.1	QP	N
4	1.560000	56.00	42.99	13.01	10.1	QP	N
5	7.830000	60.00	46.97	13.03	10.1	QP	N
6	19.170000	60.00	46.98	13.02	10.0	QP	N

Final Result 2 (average)

No.	Frequency (MHz)	Limit dBuV	Level dBuV	Delta dB	Corr. (dB)	Detector	Phase
1	0.195000	53.78	39.77	14.01	9.9	AV	N
2	0.330000	48.79	39.97	8.82	10.1	AV	N
3	6.390000	50.00	41.28	8.72	10.1	AV	N
4	11.220000	50.00	44.34	5.66	9.9	AV	N
5	14.445000	50.00	44.58	5.42	9.9	AV	N
6	23.880000	50.00	45.81	4.19	10.0	AV	N

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Immunity of vehicles to electromagnetic radiation at REESS mode

Working mode	Charging mode coupled to the power grid
State of charge (SOC)	20% ~ 80% of maximum SOC
Charging current	At least 20% of its normal value
Vehicle status	Immobilized, engine OFF
All other equipment can be switched on permanently by the driver or passenger	Switched OFF
Charging station	Inside the test location
Working mode	Charging mode coupled to the power grid

Frequency range (MHz)	Test level	Type of modulation	Antenna position	Required minimum function status**	Status of function true value**	Result
20 - 800	30volts/m	AM, 1 kHz, 80% depth	Vertical	A	A	Pass*
800- 2000	30volts/m	PM, T_{on}=577 µs, period 4,600 µs	Vertical	A	A	Pass*

Remark:

* - No degradation of performance of “immunity-related functions” or unexpected motion was found during the test.

** - Class A: all functions of a device/system perform as designed during and after exposure to disturbance.

Class B: all functions of a device /system perform as designed during exposure. However, one or more of them can go beyond specified tolerance. All functions return automatically to within normal limits after exposure is removed. Memory functions shall remain class A.

Class C: one or more functions of a device/system do not perform as designed during exposure but return automatically to normal operation after exposure is removed.

Class D: one or more functions of a device/system do not perform as designed during exposure and do not return to normal operation until exposure is removed and the device/system is reset by simple “operator/use” action.

Class E: one or more functions of a device/system do not perform as designed during and after exposure and cannot be returned to proper operation without repairing or replacing the device/system.

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Immunity of vehicles to electrical fast transient/burst disturbances conducted along AC and DC power lines

Working mode	Charging mode coupled to the power grid
State of charge (SOC)	20% ~ 80% of maximum SOC
Charging current	At least 80% of its normal value
Vehicle status	Immobilized, engine OFF
All other equipment can be switched on permanently by the driver or passenger	Switched OFF

For AC power lines (single phase):

Test voltage (open circuit)	Rise time (Tr)	Hold time (Th)	Repetition rate	Test time	Result
± 2 kV	5 ns	50 ns	5 kHz	>= 1 min	Pass*

Remark:
*– no degradation of performance of “immunity-related functions”, or unexpected motion was found.
1. Ground reference plane project beyond the vehicle is at least 0.1m on all sides.
2. Length of cable between vehicle and surge generator: 800 mm ⩽ L ⩽ 1000 mm. (be z-folded if longer than 1m)
3. Height of cable is 75~125 mm above ground.
4. All cables to the vehicle shall be placed on the insulation support 0.1 m above the ground reference plane.
5. Distance between the vehicle and all other conductive structures are more than 0.5m, except ground reference plane.

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Immunity of vehicles to surge conducted along AC or DC power lines

Working mode	Charging mode coupled to the power grid
State of charge (SOC)	20% ~ 80% of maximum SOC
Charging current	At least 80% of its normal value
Vehicle status	Immobilized, engine OFF
All other equipment can be switched on permanently by the driver or passenger	Switched OFF

For AC power lines (single phase):

Test voltage (open circuit)		Pulse parameters		Number of pulse	Delay time for each pulse	Phase	Result
between line and earth	between lines	rise time (Tr)	hold time (Th)				
± 2 kV	±1 kV						
L-PE	--	1.2 µs	50 µs	5	<= 1 min	0°, 90°, 180°, 270°	Pass*
N-PE	--						Pass*
--	L-N						Pass*

Remark:
* – no degradation of performance of “immunity-related functions”, or unexpected motion was found.
1. Length of cable between vehicle and surge generator: 800 mm ≤ L ≤ 1000 mm. (be z-folded if longer than 1m)
2. Height of cable is 75~125 mm above ground.

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Test equipment list

No.	Equipment	Model	Serial No.
	RE		
1	3m Semi-anechoic Chamber	9400*6400*6000	170241
2	EMI receiver	ESR7	101629
3	BiLog antenna, 3m	3142C	28939
	CE		
4	EMI receiver	ESR7	101629
5	Artificial main network	TAN8124	EC0691916
6	Artificial main network	TAN8124	EC0691817
	RS		
7	3m Semi-anechoic Chamber	9400*6400*6000	170241
8	Signal generator	N5171B	MY59101442
9	Power meter	N1914A	MY60470014
10	Power amplifier	NTWPA-001011000	20113200
11	Power amplifier	NTWPA-008101000	20113204
12	Power amplifier	NTWPA-1060100P	20113199
13	Field probe	EP601	711WX81210
14	Biconical antenna	3109PX	230126
15	Log periodic antenna	STLP9128E sp-7/16	3179
16	Broad-band horn antenna	BBHA9120 J	00323
	Harmonic，flicker		
17	Harmonic & flicker test system	ECTS2-360F	550106
	EFT, Surge		
18	Burst simulator	EFT500T	ES027000120027
19	Surge simulator	CWS600G	ES058001120016

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Auto Service

Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 44/2014 Dated **21.11.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C7 Vehicle construction and general type-approval requirements
External projection

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including latest amendment Reg. (EU) 2018/295, Article 12 and Annex VIII

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	02.03.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 12 and Annex VIII

2. Condition of test

2.1.	Test equipments	:	External projection testing device, radius templates, measuring tape
2.2.	Vehicle relevant details		
2.2.1.	Features	:	Two-wheel motorcycle without bodywork

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2.2.2.	Tyres fitted		
		Front axle :	90/90-12 54J
		Rear axle :	90/90-12 54J
		Sidecar axle :	Not applicable
2.3.	Worst case	:	Single case
3.	**Test results**		
3.1.	General requirements		
3.1.1.	Vehicles shall incorporate no pointed, sharp or protruding parts, pointing outwards, of such a shape, dimension, angle of direction and hardness that they increase the risk or seriousness of body lesions and lacerations suffered by any person struck or grazed by the vehicle in the event of an accident	:	Complies to requirements
3.2.	Specific requirements		
3.2.1.	Radius requirement concerning group 1 parts	:	Complies to requirements
3.2.2.	Radius requirement concerning Group 2 parts	:	Complies to requirements
3.2.3.	Upper edge of a windscreen or fairing	:	Radius ≥ 2.0 mm, complies to requirements
3.2.4.	The end of clutch and rake levers	:	Radius ≥ 7.0 mm, complies to requirements
3.2.5.	The leading edge of the front mudguard or any parts mounted onto it	:	Radius ≥ 2.0 mm, complies to requirements
3.2.6.	The rear edge of a fuel filler cap or similar shaped device located on the upper surface of the fuel tank	:	Not applicable
3.2.7.	Ignition key heads shall have a protective cap	:	Complies to requirements
3.2.8.	Other outward pointed and protruding parts of the vehicle	:	Complies to requirements
3.3.	Other requirements as per directive described in this test record	:	Complies

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According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 44/2014 Dated **21.11.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C10 Vehicle construction and general type-approval requirements
Masses and dimensions

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including latest amendment Reg. (EU) 2018/295, Article 15 and Annex XI

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	26.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 15 and Annex XI
1.2.	Test equipments	:	The test equipment used was in compliance with the test requirements

2. Condition of test

2.1.	Worst case	:	Single case

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3. Test results

3.1.	Evidence of masses measured in running order [kg]	:	67 kg
3.2.	Difference of dimensions	:	The actual dimensions referred to paragraph 3.1 of 44/2014 Annex XI, differ not more than 3%
	Length [mm]	:	1850
	Width [mm]	:	760
	Height [mm]	:	1180
	Wheel base [mm]	:	1310
3.3.	Requirements as per directive described in this test record	:	Complies

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) *44*/2014 Dated **16.12.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C11 Vehicle construction and general type-approval requirements
On-board diagnostics (OBD) functional requirements

0.0	Requirements according to	:	Reg. (EU) 168/2013, Article 21 incl. last amendment Reg. (EU) 2020/1694 in connection with Reg. (EU) 44/2014, Article 16 and Annex XII incl. last amendment (EU) 2018/295

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	28.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014, Article 12 and Annex XII, incl. last amendment (EU) 2018/295
1.2.	Test equipment OBD Scantool	:	AVL GAS1000

2. Condition of test

2.1.	Worst case	:	Single case
2.2.	Ambient temperature [K]	:	300.2

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2.3.	OBD stage	: Stage I

3. Results:

3.1. List of main applicable functions and associated requirements according with numbering of annex XII of Regulation EU 44/2014 including last amendment Regulation EU 2018/295.

3.1.2.	3.1. L-category vehicles shall be equipped with an OBD system so designed, constructed and installed in a vehicle as to enable it to identify types of deterioration or malfunction over the entire life of the vehicle.	: Conform
3.1.3.	3.1.1. Access to the OBD system required for the inspection, diagnosis, servicing or repair of the vehicle shall be unrestricted and standardised.	: Conform
3.1.4.	3.2. The OBD system shall be so designed, constructed and installed in a vehicle as to enable it to comply with the requirements of this Annex during conditions of normal use.	: Conform
3.1.5.	3.3.5. Unless otherwise monitored, any other electronic powertrain component connected to a computer relevant for environmental performance and/or functional safety, including any relevant sensors to enable monitoring functions to be carried out, shall be monitored for electric/electronic circuit failures. In particular these electronic components shall be continuously monitored for any electric circuit continuity failure, shorted electric circuits, electric range/performance and stuck signal of the emissions control system.	: Conform
3.1.6.	3.3.6. Unless otherwise monitored, any other powertrain component connected to a computer relevant for the environmental performance and/or functional safety, triggering any programmed 'limp-home' operating mode which significantly reduces engine torque, e.g. to safeguard powertrain components. The relevant diagnostic trouble code shall be stored.	: Conform
3.1.7.	3.4. A sequence of diagnostic checks shall be initiated at each engine start and completed at least once provided that the correct test conditions are met.	: Conform
3.1.8.	3.5. The OBD system shall fulfill the activation and extinguishing requirements of malfunction indicator.	: Conform
3.1.9.	3.6. The OBD system shall record the appropriate fault codes indicating the vehicle systems status.	: Conform
3.1.10.	3.7. The OBD system shall fulfil extinguishing the MI requirements.	: Conform

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3.1.11.	3.8. The OBD system shall fulfil Erasing fault code requirements.	:	Conform
3.2.	Functional aspects of on-board diagnostiic (OBD) systems – Appendix 1 to Annex XII of Regulation EU 44/2014 including last amendment regulation EU 2018/295.		
3.2.1.	The on-board diagnostic systems fitted on L-category vehicles shall comply with the detailed information and functional requirements and verification test procedures.	:	Conform
3.2.2.	The on-board diagnostic environmental system performance and functional capabilities shall be verified.		Conform
3.2.3.	Upon determination of the first malfunction of any component or system, 'freeze-frame' engine conditions present at the time shall be stored in computer memory.	:	Conform
3.2.4.	The available signals detailed in Annex XII, Apendix 1, paragraph 3.2, are available through on the standardised diagnostic connector.	:	Conform
3.2.5.	The diagnostic system shall provide for standardised and unrestricted access to OBD and conform with ISO and/or SAE standards indicated in Annex XII, Appendix 1, paragraph 3.8.	:	ISO 9141-2: 1994
3.2.6.	Test equipment and diagnostic tools needed to communicate with OBD systems shall meet or exceed the functional specification in ISO 15031-4:2005.	:	Conform
3.2.7.	Basic diagnostic data and bi-directional control information shall be provided using the format and units described in ISO 15031-5:2011 and external test equipment shall be available using a diagnostic tool meeting the requirements of ISO 15031-4:2005.	:	Conform
3.2.8.	Appropriate fault code consistent with those in ISO 15031- 6:2010 diagnostic trouble codes' shall be identified. If this is not possible, the manufacturer may use the diagnostic trouble codes of ISO DIS 15031-6:2010. Alternatively, fault codes may be compiled and reported in accordance with ISO14229:2006. The fault codes shall be fully accessible by stanardised diagnostic equipment.	:	Conform

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3.2.9.	The connection interface between the vehicle and the diagnostic tester is standardised and meet all the requirements of ISO19689:2016 or ISO DIS 15031-3:2004. The connection interface is installed under the seating position or readily accessible but protected from tampering.The position of the connection interface is clearly indicated in the user manual.	: Conform
4.	**Post-test condition**	: Vehicle functionality verified
5.	**Test record date**	: 28.02.2022

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According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 44/2014 Dated **21.11.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C12 **Vehicle construction and general type-approval requirements**
Passenger handholds and footrests

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including latest amendment Reg. (EU) 2018/295, Article 17 and Annex XIII

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	02.03.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 6 and Annex XIII
1.2.	Test equipment	:	The test equipment used was in compliance with the test requirements

2. Condition of test

2.1.	Worst case	:	Single case, vertical static compression force for footrest test were carried out on each position of each footrest.

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3. Technical data of the tested vehicle

3.1.	Type and number of handhold	:	Two hand-grip bars
3.2.	Type and number of driver footrest	:	Two footrests
3.3.	Type and number of passenger footrest	:	Two footrests

4 Results

4.1.	Vertical static traction for handhold	:	Application of 1000N at maximum pressure 1.0 MPa at each hand-grip, complies to the requirement
4.2.	Vertical static compression force for footrest	:	Application of 1700N at maximum pressure 2.0 MPa at each footrest, complies to the requirement

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Auto Service

Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 44/2014 Dated **21.11.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C13 Vehicle construction and general type-approval requirements
Registration plate space

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including latest amendment Reg. (EU) 2018/295, Article 18 and Annex XIV

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	26.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 18 and Annex XIV
1.2.	Remarks	:	The test equipment used was in compliance with the test requirements.

2. Condition of test

2.1.	Worst case	:	Single case

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3. Test results

3.1.	Space of mounting	:	Rear as per directive
3.2.	Dimension for space of mounting [mm]	:	≥ 280 x 200
3.3.	Ground clearance and maximum height	:	The minimum ground clearance has been measured as 243 mm, maximum height as 420 mm on registration plate
3.4.	Visibility of registration plate	:	Requirements acc. to Annex XIV, paragraph 1.7 fulfilled
3.5.	Requirements as per directive described in this test record	:	Complies

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 44/2014 Dated **21.11.2013**
Incl. latest amendment Regulation (EU) 2018/295 Dated **15.12.2017**

C15 Vehicle construction and general type-approval requirements
Stands

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 18 in connection with Reg. (EU) 44/2014 including latest amendment Reg. (EU) 2018/295, Article 20 and Annex XVI

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	02.03.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 44/2014 including amendment Reg. (EU) 2018/295, Article 20 and Annex XVI
1.2.	Test equipment	:	The test equipment used was in compliance with the test requirements

2. Condition of test

2.1.	Worst case	:	Single case

3 Technical data of the tested vehicle

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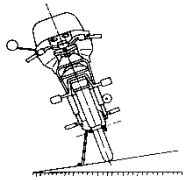
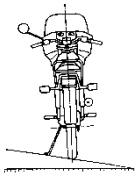
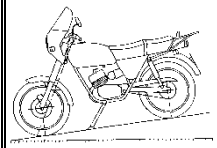
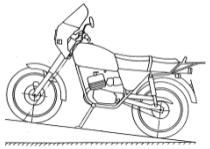
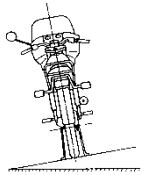
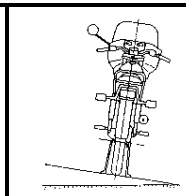
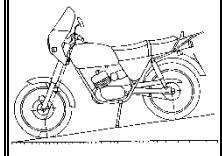
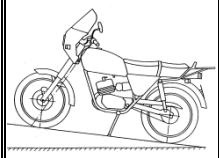
3.1.	Mass in running order	:	67 kg
3.2.	Front tyre	:	90/90-12 54J
3.3.	Rear tyre	:	90/90-12 54J
3.4.	Prop stand	:	Yes
3.5.	Centre stand	:	Yes

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4 Results

stand:		**tell-tale**		**retention system**		**P 3.3.2. (3°) fulfilled**		**steering locked**		**Engine switch off**	
prop stand:	X	yes:		1 spring:		yes:	X	left:	X	yes:	X
centre stand:	X	no:	X	2 springs:	X	no:		right:		no:	

Drawing								
Component	Prop stand	Prop stand	Prop stand	Prop stand	Centre stand	Centre stand	Centre stand	Centre stand
Transverse tilt	left	right	downstream	upstream	left	right	downstream	upstream
Min. reference	~3.5°	~3.5°	~3.5°	~4.6°	~4.6°	~4.6°	~4.6°	~8°
Steering position left	***4.0°***	***4.0°***	***4.0°***	***5.0°***	***5.0°***	***5.0°***	***5.0°***	***9.0°***
Steering position right	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Test conditions: Vehicle unloaded: with battery / Tyre pressure acc. to the directive (manufacturer) / Transmission in park position

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Test Record

According to the Regulation of the European Parliament and the Council relating to

On the approval and market surveillance of two- or three-wheel vehicles and quadricycles

Regulation (EU) 901/2014 Dated **22.08.2014**
Incl. amendment Regulation (EU) 2016/1825 Dated **06.09.2016**

D1 Further conditions (further requirements relating Regulation (EU) 168/2013)
Statutory plate

0.0.	Requirements according to	:	Reg. (EU) 168/2013 including amendment Reg. (EU) 2020/1694, Article 39 in connection with Reg. (EU) 901/2014 including amendment Reg. (EU) 2020/239, Article 6 and Annex V, App. 1

General information of tested vehicle

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variants	:	0
0.2.2.	Versions	:	0
0.3.1.	Test date(s)	:	27.02.2022
0.3.2.	Test place(s)	:	NMQSII – Nanchang, P.R. China
0.3.3.	Test vehicle	:	Prototype

Test record

1. Main Requirements

1.1.	Requirements according to	:	Reg. (EU) 901/2014 including amendment Reg. (EU) 2020/239, Article 6 and Annex V, App. 1
1.2.	Test equipment	:	The test equipment used was in compliance with the test requirements.

2. Condition of test

2.1.	Worst case	:	Single case

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3. Test results

3.1.	Positioning of statutory plate	:	R, x900, y105, z260 As described on Information document of manufacturer
3.2.	Height of characters [mm]	:	4.0
3.3.	Material of statutory plate	:	Metal
3.4.	Requirements as per directive described in this test record	:	Complies

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ANCHI MOTORCYCLE TECHNOLOGY LIMITED

INFORMATION FOLDER

A List of contents

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Information folder sheet.....2 pages

Information document.....30 pages

Relevant drawings as required in the information document ..... 36 pages

Manufacturer's statement on endurance testing.....1 page

Manufacturer's statement on structure integrity .....1 page

Manufacturer's certificate on access to vehicle OBD (stage I) and vehicle repair and maintenance information .....4 pages

Manufacturer's declaration on powertrain tampering prevention measures..... 2 pages

Statement concerning authority of signature on CoC paper..... 1 page

Model for the certificate of conformity.....2 pages

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

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

Information folder sheet

The undersigned	:	Mr. Qian Sun, Legal person
Company name and address of the manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
Hereby applies for type-approval procedure	:	~~(a) Step-by-step type-approval~~ (b) Single-step type-approval ~~(c) Mixed type-approval~~
Multi-stage type-approval chosen in accordance with Article 25(5) of Regulation (EU) No 168/2013	:	No

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

0.1.	Make	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variant	:	0
0.2.2.	Version	:	0
0.2.3.	Commercial name(s) (if available)	:	UFO, H1
0.3.	Category, subcategory and sub-subcategory of vehicle	:	L3e-A1

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

0.7.	Make(s) (trade name(s) of manufacturer)	:	Not applicable
0.8.	Type	:	Not applicable
0.8.1.	Commercial name(s) (if available)	:	Not applicable

1.6. Virtual and/or self-testing

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

Delegated act	Annex	Subject	Virtual and/or self-tested
Commission Delegated Regulation (EU) No 134/2014	IX	Testing procedures on maximum design vehicle speed	Self-testing: no
Commission Delegated Regulation (EU) No 3/2014	II	Audible warning devices	Self-testing: no

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Commission Delegated Regulation (EU) No 3/2014	VIII	Driver-operated controls including identification of controls, tell-tales and indicators	Self-testing: no
Commission Delegated Regulation (EU) No 3/2014	IX	Installation of lighting and light-signalling devices	Virtual testing: no
Commission Delegated Regulation (EU) No 3/2014	X	Rearward visibility	Virtual testing: no
Commission Delegated Regulation (EU) No 3/2014	XIV	Installation of tyres	Virtual testing: no
Commission Delegated Regulation (EU) No 44/2014	XIV	Registration plate space	Self & Virtual testing: no
Commission Delegated Regulation (EU) No 44/2014	XVI	Stands	Self-testing: no
Commission Implementing Regulation (EU) No 901/2014	VIII	Statutory plate and EU type-approval mark	Self-testing: no

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

Hong Kong, China (place)

20.02.2022 (date)

(Signature)

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

Information document no.: 168/2013-H1-00
Application date: 20.02.2022

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

According to Regulation (EU) number 168/2013*2020/1694
and Commission implementing Regulation (EU) number 901/2014*2020/239

Item No	(Sub) categories	Detailed information		
0.		**GENERAL INFORMATION**		
A.		**General information concerning vehicles**		
0.1.	L1e-L7e	**Make (trade name of manufacturer)**	:	PINGANDAYUN
0.2.	L1e-L7e	**Type**	:	H1
0.2.1.	L1e-L7e	Variant(s)	:	0
0.2.2.	L1e-L7e	Version(s)	:	0
0.2.3.	L1e-L7e	Commercial name(s) (if available)	:	UFO, H1
0.3.	L1e-L7e	**Category, subcategory and sub-subcategory of vehicle**	:	L3e-A1
0.4.	L1e-L7e	**Company name and address of manufacturer**	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
0.4.1.	L1e-L7e	Name(s) and address(es) of assembly plants	:	Wuxi Zhongfa Technology Co., Ltd No.8, North District, Sunshine Industrial Park, Hua nghutang Road, Donggang Town, Xishan District, Wuxi, Jiangsu, China
0.4.2.	L1e-L7e	Name and address of manufacturer's authorized representative, if any	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy
0.5.	L1e-L7e	**Manufacturer's statutory plate(s)**		
0.5.1.	L1e-L7e	Location of the manufacturer's statutory plate (15) (18)	:	R, x900, y150, z260
0.5.2.	L1e-L7e	Method of attachment	:	Riveted on the chassis
0.5.3.	L1e-L7e	Photographs and/or drawings of the statutory plate (completed example with dimensions)	:	Refer to drawing no. H1-01

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Information document no.: 168/2013-H1-00
Application date: 20.02.2022

Item No	(Sub) categories	Detailed information
0.6.	L1e-L7e	**Location of the vehicle identification number** : R, x340, y5, z520 (r/o)
0.6.1.	L1e-L7e	Photographs and/or drawings of the locations of the vehicle identification number (completed example with dimensions) : Refer to drawing no. H1-02
0.6.1.1.	L1e-L7e	The serial number of the type begins with : ☆R750H11B??Z??????☆ Refer to drawinRefer to drawing no. H1-02
B.		**General information concerning systems, components or separate technical units**
0.7.	L1e-L7e	**Make(s) (trade name(s) of manufacturer)** : Not applicable
0.8.	L1e-L7e	**Type** : Not applicable
0.8.1.	L1e-L7e	Commercial name(s) (if available) : Not applicable
0.8.2.	L1e-L7e	Type-approval number(s) (if available) : Not applicable
0.8.3.	L1e-L7e	Type-approval(s) issued on (date, if available) : Not applicable
0.9.	L1e-L7e	**Company name and address of manufacturer** : Not applicable
0.9.1.	L1e-L7e	Name(s) and address(es) of assembly plants : Not applicable
0.9.2.	L1e-L7e	Name and address of manufacturer's authorized representative, if any : Not applicable
0.10.		**Vehicle(s) for which the system/ separate technical unit is intended for** : Not applicable
0.10.1.	L1e-L7e	Type : Not applicable
0.10.2.	L1e-L7e	Variant : Not applicable
0.10.3.	L1e-L7e	Version : Not applicable
0.10.4.	L1e-L7e	Commercial name(s) (if available) : Not applicable
0.10.5.	L1e-L7e	Category, subcategory and sub-subcategory of vehicle : Not applicable
0.11.	L1e-L7e	**Type-approval marks for components and separate technical units** : Not applicable

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ANCHI MOTORCYCLE TECHNOLOGY LIMITED

Information document no.: 168/2013-H1-00
Application date: 20.02.2022

Item No	(Sub) categories	Detailed information
0.11.1.	L1e-L7e	Method of attachment : Not applicable
0.11.2.	L1e-L7e	Photographs and/or drawings of the location of the type-approval mark (completed example with dimensions) : Not applicable
C.		**General information regarding conformity of production and access to repair and maintenance information**
0.12.		**Conformity of production**
0.12.1.	L1e-L7e	Description of overall quality-assurance management systems : Conforms to ISO9001: 2015 quality management system and EEC requirements.
0.13.		Access to repair and maintenance information
0.13.1.	L1e-L7e	Address of principal website for access to vehicle repair and maintenance information : www.zhongfamotor.com Information available within six months from the date of type approval. See regulation (EU) No 168/2013, Article 57, paragraph 8
0.13.2.	L1e-L7e	In the case of multi-stage type-approval, address of principal website for access to vehicle repair and maintenance information from manufacturer(s) at previous stage(s) : Not applicable
1.		**GENERAL CONSTRUCTION CHARACTERISTICS**
1.1.	L1e-L7e	Photographs and/or drawings of a representative vehicle : Refer to drawing no. H1-03
1.2.	L1e-L7e	Scale drawing of the whole vehicle : Refer to drawing no. H1-03
1.3.	L1e-L7e	Number of axles and wheels : 2 wheels/2 axles
1.3.1.	L1e-L7e	Axles with twinned wheels : Not applicable
1.3.2.	L1e-L7e	Powered axles : R (rear powered axle)
1.4.	L1e-L7e	Chassis (if any) (overall drawing) : Refer to drawing no. H1-04
1.5.	L2e, L5e-B, L6e-B, L7e-A2, L7e-B2, L7e-C	Material used for the bodywork : Not applicable
1.6.	L1e-L7e	Position and arrangement of the propulsion(s) : Refer to drawing no. H1-05

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Item No	(Sub) categories	Detailed information		
1.7.	L4e, L5e-B, L6e-B, L7e-A2, L7e-B2, L7e-C	Hand of drive	:	Not applicable
1.7.1.	L1e-L7e	Vehicle is equipped to be driven in right/left-hand traffic and in countries that use metric/metric and imperial units (4)	:	Right and left-hand traffic,
1.8.		**Propulsion unit performance**		
1.8.1.	L3e, L4e, L5e, L7e-A, L7e-B2	Declared maximum vehicle speed	:	72 km/h
1.8.2.	L1e, L2e, L6e, L7e-B1, L7e-C	Maximum design vehicle speed	:	Not applicable
1.8.3.	L1e-L7e	Maximum net power combustion engine	:	Not applicable
1.8.4.	L1e-L7e	Maximum net torque combustion engine	:	Not applicable
1.8.5.	L1e-L7e	Maximum continuous-rated power electric motor (~~15~~/30 minutes power)	:	1.5 kW at 700 min^{-1}
1.8.6.	L1e-L7e	Maximum continuous-rated torque electric motor	:	20.5 N.m at 700 min^{-1}
1.8.7.	L1e-L7e	Maximum continuous total power for propulsion(s)	:	Not applicable
1.8.8.	L1e-L7e	Maximum continuous total torque for propulsion(s)	:	Not applicable
1.8.9.	L1e-L7e	Maximum peak power for propulsion(s)	:	2.7 kW at 715 min^{-1}
2.		**MASSES AND DIMENSIONS** (In kg and mm.) refer to drawings where applicable		
2.1.		**Range of vehicle mass (overall)**		
2.1.1.	L1e-L7e	Mass in running order	:	67 kg
2.1.1.1.	L1e-L7e	Distribution of mass in running order between the axles	:	Front: 28 kg Rear: 39 kg
2.1.2.	L1e-L7e	Actual mass	:	163 kg

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Item No	(Sub) categories	Detailed information		
2.1.2.1.	L1e-L7e	Distribution of actual mass between the axles	:	Front: 72 kg Rear: 91 kg
2.1.3.	L1e-L7e	Technically permissible maximum laden mass	:	238 kg
2.1.3.1.	L1e-L7e	Technically permissible maximum mass on front axle	:	87 kg
2.1.3.2.	L1e-L7e	Technically permissible maximum mass on rear axle	:	151 kg
2.1.3.3.	L4e	Technically permissible maximum mass on sidecar axle	:	Not applicable
2.1.4.	L1e-L7e	Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer	:	12° slope
2.1.5.	L1e-L7e	Maximum pay mass declared by manufacturer	:	75 kg
2.1.6.	L1e-L7e	Safe load carrying capacity of load platform declared by manufacturer	:	Not applicable
2.1.7.	L1e-L7e	Technically permissible maximum towable mass in case of (4)	:	Not applicable
2.1.7.1.	L1e-L7e	Technically permissible maximum laden mass of the combination	:	Not applicable
2.1.7.2.	L1e-L7e	Technically permissible maximum mass at the coupling point	:	Not applicable
2.1.8.	L1e-L7e	Mass of the optional equipment	:	Not applicable
2.1.9.	L1e-L7e	Mass of the superstructure	:	Not applicable
2.1.10.	L1e-L7e	Mass of the propulsion battery	:	21 kg
2.1.11.	L2e, L4e, L5e, L6e, L7e	Mass of the doors	:	Not applicable
2.1.12.	L2e-U, L5e-B, L6e-BU, L7e-CU	Mass of the machines or equipment installed on the load platform area	:	Not applicable
2.1.13.	L1e-L7e	Mass of the gaseous fuel system as well as storage tanks for gaseous fuel	:	Not applicable

Item No	(Sub) categories	Detailed information		
2.1.14.	L1e-L7e	Mass of the storage tanks to store compressed air	:	Not applicable
2.2.		Range of vehicle dimensions (overall)		
2.2.1.	L1e-L7e	Length	:	1850 mm
2.2.2.	L1e-L7e	Width	:	760 mm
2.2.3.	L1e-L7e	Height	:	1180 mm
2.2.4.	L1e-L7e	Wheelbase	:	1310 mm
2.2.4.1.	L4e	Wheelbase sidecar	:	Not applicable
		From 2.2.5. to 2.2.10.10.	:	Not applicable
3.		**GENERAL POWERTRAIN CHARACTERISTICS**		
3.1.		**Manufacturer of the propulsion unit**		
3.1.1.		*Combustion engine*		
3.1.1.1.	L1e-L7e	Manufacturer	:	Not applicable
3.1.1.2.	L1e-L7e	Engine code (as marked on the engine or other means of identification)	:	Not applicable
3.1.1.3.	L1e-L7e	Fuel identification marking (if available)	:	Not applicable
3.1.2.		*Electric motor*		
3.1.2.1.	L1e-L7e	Manufacturer	:	Zhejiang Quanshun Electric Drive Technology Co., Ltd. Make: QS
3.1.2.2.	L1e-L7e	Electric motor code (as marked on the engine or other means of identification)	:	ZF72V20TT Refer to drawing no. H1-05
3.1.3.		*Hybrid application*		
3.1.3.1.	L1e-L7e	Manufacturer	:	Not applicable
3.1.3.2.	L1e-L7e	Application code (as marked on the engine or other means of identification)	:	Not applicable
3.1.3.3.	L1e-L7e	Fuel identification marking (if available)	:	Not applicable

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Item No	(Sub) categories	Detailed information		
3.1.3.4.	L1e-L7e	Photographs and/or drawings of the location of the code(s) and/or type-approval numbers (completed example with dimensions)	:	Not applicable
3.2.		**Combustion engine**		
		From 3.2.1. to 3.2.13.4.	:	Not applicable
3.3.		**Pure electric and hybrid electric propulsion and control**		
3.3.1.	L1e-L7e	Electric vehicle configuration: pure electric/hybrid electric/manpower - electric (4)	:	Pure electric ~~/hybrid electric/manpower electric~~ (4)
3.3.2.	L1e-L7e	Brief description and schematic drawing of pure and hybrid electric propulsions and its control system(s)	:	Refer to drawing no. H1-05, H1-07
3.3.3.		*Electric propulsion motor*		
3.3.3.1.	L1e-L7e	Number of electric motors for propulsion	:	1
3.3.3.2.	L1e-L7e	Type (winding, excitation)	:	Winding
3.3.3.3.	L1e-L7e	Operating voltage	:	72 V
3.3.3.4.	L1e-L7e	~~15~~/30(4) minutes power(27)	:	1.5 kW at 700 min^{-1}
3.3.4.		*Propulsion batteries*		
3.3.4.1.	L1e-L7e	Primary propulsion battery		
3.3.4.1.1.	L1e-L7e	Number of cells	:	20
3.3.4.1.2.	L1e-L7e	Mass	:	21 kg
3.3.4.1.3.	L1e-L7e	Capacity	:	51 Ah
3.3.4.1.4.	L1e-L7e	Voltage	:	72 V
3.3.4.1.5.	L1e-L7e	Position in the vehicle	:	Refer to drawing no. H1-08
3.3.4.2.	L1e-L7e	Secondary propulsion battery		
3.3.4.2.1.	L1e-L7e	Number of cells	:	Not applicable
3.3.4.2.2.	L1e-L7e	Mass	:	Not applicable
3.3.4.2.3.	L1e-L7e	Capacity	:	Not applicable
3.3.4.2.4.	L1e-L7e	Voltage	:	Not applicable

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Item No	(Sub) categories	Detailed information		
3.3.4.2.5.	L1e-L7e	Position in the vehicle	:	Not applicable
3.3.5.		*Hybrid electric vehicle*		
3.3.5.1.	L1e-L7e	Engine or motor combination (number of electric motor(s) and/or combustion engine(s)/other) (4)	:	Not applicable
3.3.5.2.	L1e-L7e	Category of hybrid electric vehicle: off-vehicle charging/not off-vehicle charging	:	Not applicable
3.3.5.3.	L1e-L7e	Operating mode switch	:	Not applicable
3.3.5.4.	L1e-L7e	Selectable modes	:	Not applicable
3.3.5.5.	L1e-L7e	Pure fuel consuming	:	Not applicable
3.3.5.6.	L1e-L7e	Vehicle propelled with fuel cell	:	Not applicable
3.3.5.7.	L1e-L7e	Hybrid operation modes	:	Not applicable
3.3.6.		Energy storage device		
3.3.6.1.	L1e-L7e	Description	:	(battery~~, capacitor, flywheel/generator~~) (4)
3.3.6.2.	L1e-L7e	Identification number	:	DZ72N-51ES
*3.3.6.3.	L1e-L7e	Kind of electrochemical couple	:	Lithium battery
3.3.6.4.	L1e-L7e	Energy (for battery: voltage and capacity Ah in 2h, for capacitor: J,…, for flywheel/generator: J,…,)	:	72 V, 51 Ah
3.3.6.5.	L1e-L7e	Charger	:	~~on-board~~/external/~~without~~ (4) Refer to drawing no. H1-34
3.3.7.		*Electric motor (describe each type of electric motor separately)*		
3.3.7.1.	L1e-L7e	Primary use	:	Propulsion motor/~~generator~~ (4)
3.3.7.2.	L1e-L7e	When used as propulsion motor: single-/multi-motors (number) (4)	:	Single-motor
3.3.7.3.	L1e-L7e	Working principle	:	Synchronous three phases
3.3.7.4.	L1e-L7e	Direct current/alternating current /number of phases	:	Direct current/three phases
3.3.7.5.	L1e-L7e	Separate excitation/series/compound (4)	:	Series
3.3.7.6.	L1e-L7e	Synchronous/asynchronous (4)	:	Synchronous

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Item No	(Sub) categories	Detailed information		
3.3.8.		*Electric motor control unit*		
3.3.8.1.	L1e-L7e	Identification number	:	K5AE Refer to drawing no. H1-06
3.3.9.		*Power controller*		
3.3.9.1.	L1e-L7e	Identification number	:	Not applicable
3.4.		**Other engines, electric motors or combinations (specific information concerning the parts of these motors)**		
	L1e-L7e	From 3.4.1. to 3.4.2.5.1.	:	Not applicable
3.5.		**Drive-train and control**		
3.5.1.	L1e-L7e	Brief description and schematic drawing of the vehicle drive-train and its control system (gear shift control, clutch control or any other element of drive-train)	:	Gear case mounted directly to the electric motor, it has no clutch control
3.5.2.		*Clutch*		
3.5.2.1.	L1e-L7e	Brief description and schematic drawing of the clutch and its control system	:	Not applicable
3.5.3.		*Transmission*		
3.5.3.1.	L1e-L7e	Brief description and schematic drawing of gear shift system(s) and its control	:	Not applicable
3.5.3.2.	L1e-L7e	Drawing of the transmission	:	Not applicable
3.5.3.3.	L1e-L7e	Type (mechanical, ~~hydraulic, electric, manual/manual automated~~/automatic/ ~~CVT/other (indicate)~~)	:	Other (Wheel-hub motor)
3.5.3.4.	L1e-L7e	A brief description of the electrical/ electronic components (if any)	:	Not applicable
3.5.3.5.	L1e-L7e	Location relative to the engine	:	Not applicable
3.5.3.6.	L1e-L7e	Method of control	:	Not applicable

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<table>
<tr><th>Item No</th><th>(Sub) categories</th><th>Detailed information</th></tr>
<tr><td>3.5.4.</td><td>L1e-L7e</td><td>Gear ratios
<table>
<tr><th colspan="5">Overview gear ratios</th></tr>
<tr><td>Gear</td><td>Internal transmission ratios (ratios of engine to trans-mission output shaft revolutions)</td><td>Final drive ratio(s) (ratio of transmission output shaft to driven wheel revolutions</td><td>Total gear ratios</td><td>Ratio (engine speed/ vehicle speed) for Manual transmission only</td></tr>
<tr><td>1</td><td>/</td><td>/</td><td>/</td><td>/</td></tr>
<tr><td>Reverse</td><td>/</td><td>/</td><td>/</td><td>/</td></tr>
<tr><td colspan="5">(+) Continuously variable transmission.</td></tr>
</table></td></tr>
<tr><td>3.5.4.1.</td><td>L3e-A1xE, L3e-A1xT</td><td>Final drive ratio : Not applicable</td></tr>
<tr><td>3.5.4.2.</td><td>L3e-A1xE, L3e-A1xT</td><td>Overall gear ratio in highest gear : Not applicable</td></tr>
<tr><td>3.6.</td><td></td><td>Safe-cornering device</td></tr>
<tr><td>3.6.1.</td><td>L1e-L7e, equipped with twinned wheels, L2e, L5e, L6e, L7e</td><td>Safe-cornering device (Annex VIII to Regulation (EU) No 168/2013 : Not applicable</td></tr>
<tr><td>3.6.2.</td><td>L1e-L7e, equipped with twinned wheels, L2e, L5e, L6e, L7e</td><td>Differential lock : No</td></tr>
<tr><td>3.6.3.</td><td>L1e-L7e</td><td>Brief description and schematic drawing of the safe-cornering device, the differential lock and their control systems : Not applicable</td></tr>
<tr><td>3.7.</td><td></td><td>Suspension and control</td></tr>
<tr><td>3.7.1.</td><td>L1e-L7e</td><td>Brief description and schematic drawing of suspension and its control system : Refer to drawing no. H1-09, H1-10</td></tr>
<tr><td>3.7.2.</td><td>L1e-L7e</td><td>Drawing of the suspension arrangements : Refer to drawing no. H1-09, H1-10</td></tr>
<tr><td>3.7.3.</td><td>L1e-L7e</td><td>Level adjustment : ~~yes~~/no/~~optional~~ (4)</td></tr>
<tr><td>3.7.4.</td><td>L1e-L7e</td><td>Brief description of the electrical/ electronic components : Not applicable</td></tr>
<tr><td>3.7.5.</td><td>L1e-L7e</td><td>Stabilisers : ~~yes~~/no/~~optional~~ (4)</td></tr>
<tr><td>3.7.6.</td><td>L1e-L7e</td><td>Shock absorbers : yes/~~no~~/~~optional~~ (4)</td></tr>
</table>

Item No	(Sub) categories	Detailed information
3.8.		**Passenger-compartment heating system and air-conditioning**
		From 3.8.1. to 3.8.2.3.4. : Not applicable
3.9.		**Cycles designed to pedal**
3.9.1.	L1e	Ratio manpower/electric power : Not applicable
3.9.2.	L1e	Maximum assistance factor : Not applicable
3.9.3.	L1e	Maximum vehicle speed for which the electric motor gives assistance : Not applicable
3.9.4.	L1e	Switch-off distance : Not applicable
4.		**GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION PERFORMANCE**
4.0.		**General information on environmental and propulsion performance**
4.0.1.	L1e-L7e	Environmental step : Euro 5 (~~3/4/5/5+~~)
4.0.2.	L1e-L7e	Fuel consumption (provide details for each reference fuel tested) : Not applicable
4.0.3.	L1e-L7e	CO_2 emissions(25) : Not applicable
4.0.4.	L1e-L7e	Energy consumption(25) : 30 Wh/km
4.0.5.	L1e-L7e	Electric range(25) : 155 km
4.1.		**Tailpipe emission-control system**
		From 4.1.1. to 4.1.8.1. : Not applicable
4.2.		**Crankcase emission control system**
4.2.1.	L1e-L7e	Configuration of crank-case gas recycling system (breather system, positive crank-case ventilation system, other)(description and drawings) : Not applicable
4.3.		**Evaporative emission control system**
		From 4.3.1. to 4.3.8. : Not applicable
4.4.		**Additional information on environmental and propulsion unit performance**
4.4.1.	L1e-L7e	Description and/or schematic drawings of additional pollution-control devices : Not applicable

Item No	(Sub) categories	Detailed information
4.4.2.	L1e-L7e	Location of the coefficient of absorption symbol (compression-ignition engines only) : Not applicable
4.4.3.	L1e-L7e	Applicable information document set out in respectively UN Regulation No 9, 41 or 63 shall supplement this information document with regard to the sound level : Not applicable
4.4.4.	L1e-L7e	Applicable information document set out in respectively UN Regulation No 92 shall supplement this information document with regards to the noise-abatement devices installed on the vehicle : Not applicable
5.		**VEHICLE PROPULSION FAMILY**
5.1.	L1e-L7e	To define the vehicle propulsion family, the manufacturer shall submit the information required for classification criteria set out in point 3 of Annex XI to Commission Delegated Regulation : Not applicable
6.		**INFORMATION ON FUNCTIONAL SAFETY**
6.1.		**Audible warning devices**
6.1.1.	L1e-L7e	Summary description of device(s) used and their purpose : Electro-magnetic horn, single-tone. Used to warn other traffics and pedestrians. Make: LVEE Type: DL70-II Approval mark: II E32 000002
6.1.2.	L1e-L7e	Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle : Refer to drawing no. H1-11
6.1.3.	L1e-L7e	Details of the method of attachment, including the part of the vehicle structure to which the audible warning device(s) is (are) attached : Refer to drawing no. H1-11
6.1.4.	L1e-L7e	Electrical/pneumatic circuit diagram : Refer to drawing no. H1-11
6.1.4.1.	L1e-L7e	Voltage : ~~AC~~/DC (4)
6.1.4.2.	L1e-L7e	Rated voltage or pressure : 12 V
6.1.5.	L1e-L7e	Drawing of the mounting device : Refer to drawing no. H1-11

Item No	(Sub) categories	Detailed information		
6.2.		**Braking, including anti-lock and combined braking systems**		
6.2.1.	L1e-L7e	Characteristics of the brakes, including details and drawings of the drums, discs, hoses, make and type of shoe/pad assemblies and/or linings, effective braking areas, radius of drums, shoes or discs, mass of drums, adjustment devices, relevant parts of the axle(s) and suspension, levers, pedals	:	Refer to drawing no. H1-13, H1-14, H1-15, H1-16, H1-17
6.2.2.	L1e-L7e	Operating diagram, description and/or drawing of the braking system, including details and drawings of the transmission and controls as well as a brief description of the electrical and/or electronic components used in the braking system	:	Refer to drawing no. H1-13, H1-14, H1-15, H1-16, H1-17
6.2.2.1.	L1e-L7e	Front, rear and sidecar brakes, disc and/or drum	:	Front: disc Rear: disc
6.2.2.2.	L1e-L7e	Parking braking system	:	Not applicable
6.2.2.3.	L1e-L7e	Any additional braking system	:	Not applicable
6.2.3.	L1e-L7e	Vehicle is equipped to tow a trailer with no brake/overrun brake/electric/ pneumatic/hydraulic service brakes	:	~~yes~~/no (4)
6.2.4.	L1e-L7e	Anti-lock/Combined braking system		
6.2.4.1.	L1e-L7e	Anti-lock braking system	:	~~yes~~/no/~~optional~~ (4)
6.2.4.2.	L1e-L7e	Combined braking system	:	yes/~~no/optional~~ (4)
6.2.4.3.	L1e-L7e	Anti-lock and combined braking system	:	~~yes~~/no/~~optional~~ (4)
6.2.4.4.	L1e-L7e	Schematic drawing(s)	:	Refer to drawing no. H1-13
6.2.5.	L1e-L7e	Hydraulic reservoir(s) (volume and location)	:	Refer to drawing no. H1-15
6.2.6.	L1e-L7e	Particular characteristics of the braking system(s)		
6.2.6.1.	L1e-L7e	Brake ~~shoes and/or~~ pads	:	Refer to drawing no. H1-16, H1-17
6.2.6.2.	L1e-L7e	~~Linings and/or~~ pads (indicate make, type, grade of material or identification mark)	:	Refer to drawing no. H1-16, H1-17
6.2.6.3.	L1e-L7e	Brake levers ~~and/or pedals~~ (4)	:	Refer to drawing no. H1-13

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Item No	(Sub) categories	Detailed information		
6.2.6.4.	L1e-L7e	Other devices (where applicable)	:	Not applicable
6.3.		**Electrical safety**		
6.3.1.	L1e-L7e	Brief description of the power circuit components installation and drawings/photographs showing the location of the power circuit components installation	:	Refer to drawing no. H1-32
6.3.2.	L1e-L7e	Schematic diagram of all electrical functions included in power circuit	:	Refer to drawing no. H1-12
6.3.3.	L1e-L7e	Working voltage(s) (V)	:	Power working voltage: 72 V Other electrical components voltage: 12 V DC
6.3.4.	L1e-L7e	Description of protection against electric-shocks	:	Using terminal box that made by high and low pressure polyethylene material, and nylon plug to protect against electric-shocks. Refer to drawing no. H1-33
6.3.5.	L1e-L7e	Fuse and/or circuit breaker	:	yes/~~no/optional~~ (4), Circuit breaker Refer to drawing no. H1-18
6.3.5.1.	L1e-L7e	Diagram showing the functional range	:	Not applicable
6.3.6.	L1e-L7e	Configuration of power wiring harness	:	According with national standard Refer to drawing no. H1-35
6.4.		**Front and rear protective structures**		
		From 6.4.1. to 6.4.2.2.	:	Not applicable
6.5.		**Glazing, windscreen wipers and washers, and defrosting and demisting systems**		
		From 6.5.1. to 6.5.4.1.	:	Not applicable
6.6.		**Windscreen wiper(s)**		
6.6.1.	L2e, L5e, L6e, L7e	Detailed technical description (including photographs or drawings)	:	Not applicable
6.7.		**Windscreen washer**		
6.7.1.	L2e, L5e, L6e, L7e	Detailed technical description (including photographs or drawings)	:	Not applicable
6.7.2.	L2e, L5e, L6e, L7e	Capacity of the reservoir	:	Not applicable

Item No	(Sub) categories	Detailed information
6.8.		**Defrosting and demisting**
6.8.1.	L2e, L5e, L6e, L7e	Detailed technical description (including photographs or drawings) : Not applicable
6.9.		**Driver-operated controls including identification of controls, tell- tales and indicators**
6.9.1.	L1e-L7e	Arrangement and identification of controls, tell-tales and indicators : Refer to drawing no. H1-19
6.9.2.	L1e-L7e	Photographs and/or drawings of the arrangement of symbols and controls, tell-tales and indicators : Refer to drawing no. H1-19
6.9.3.	L1e-L7e	Controls, tell-tales and indicators for which, when fitted, identification is mandatory, including the identification symbols to be used for that purpose : See 6.9.4.

Item No	(Sub) categories	Detailed information
6.9.4.	L1e-L7e	Summary table: the vehicle is equipped with the following driver-operated controls, including indicators and tell-tales

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	Master 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 levelling device	-	-	-	-	-	-
8	Parking lamps	-	-	-	-	-	-
9	Direction indicators	x	x	c	x	x	d
10	Hazard warning	x	x	d	x	x	d
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 indicator	-	-	-	-	-	-
21	Controller failure indicator	-	-	-	-	-	-
22	Fuel level~~/battery level~~	-	-	-	-	-	-

Item No	(Sub) categories	Detailed information

23	Battery charging condition	-	-	-	x	x	d
24	Engine coolant temperature	-	-	-	-	-	-
25	Malfunction indicator light (MI)	-	-	-	x	x	d

(+) x = Yes.
- = No or not separately available.
o = Optional.
(++) d = Directly on control, indicator or tell-tale.
c = In close vicinity.

Item No	(Sub) categories	Detailed information
6.9.5.	L1e-L7e	**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	Battery capacity	-	-	-	x	x	d
13	Drive mode	x	x	c	x	x	d
14	Accelerator (handle) failure indicator	-	-	-	-	-	-
15	Electric motor failure indicator	-	-	-	-	-	-
16	Ready	-	-	-	x	x	d
17	Reverse	x	x	d	-	-	-
18	Park	x	x	d	x	x	d

(+) x = Yes.
- = No or not separately available.
o = Optional.
(++) d = Directly on control, indicator or tell-tale.
c = In close vicinity.

6.10.		**Speedometer and odometer**
6.10.1.		*Speedometer*

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Item No	(Sub) categories	Detailed information		
6.10.1.1.	L1e-L7e	Photographs and/or drawings of the complete system	:	Manufacturer: WUXI CHUANGYI ELECTRONIC TECHNOLOGY CO., LTD. Type: ZFH1 Refer to drawing no. H1-20
6.10.1.2.	L1e-L7e	Vehicle speed range displayed	:	0~88 km/h, 0~88 mph
6.10.1.3.	L1e-L7e	Tolerance of the measuring mechanism of the speedometer	:	0≤ (V1-V2) ≤ 0.1V2 + 4 km/h V1: The speed of the speedometer V2: The actual testing speed
6.10.1.4.	L1e-L7e	Technical constant of the speedometer	:	1 pulse / min = 0.011 km/h
6.10.1.5.	L1e-L7e	Method of operation and description of the drive mechanism	:	Directly connected to controller, to drive speedometer through the signal from controller.
6.10.1.6.	L1e-L7e	Overall transmission ratio of the drive mechanism	:	8 pulses / 1 rear wheel cycle
6.10.2.		*Odometer*		
6.10.2.1.	L1e-L7e	Tolerance of the measuring mechanism of the odometer	:	0~5%
6.10.2.2.	L1e-L7e	Method of operation and description of the drive mechanism	:	See 6.10.1.5.
6.11.		**Installation of lighting, light-signalling devices, including automatic switching of lighting**		
6.11.1.	L1e-L7e	List of all devices (mentioning the number, make(s),type, component type-approval mark(s), the maximum intensity of the main-beam headlamps, colour, the corresponding tell-tale)	:	Refer to drawing no. H1-21
6.11.2.	L1e-L7e	Diagram showing the location of the lighting and light-signalling devices	:	Refer to drawing no. H1-22
6.11.3.	L1e-L7e	Hazard warning lamps	:	Using front and rear direction indicators
6.11.4.	L1e-L7e	Brief description of the electrical and/or electronic components used in the lighting system and in the light-signalling system	:	Not applicable
6.11.5.	L1e-L7e	For every lamp and reflector, supply the following information (in writing and/or by diagram)		

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Item No	(Sub) categories	Detailed information		
6.11.5.1.	L1e-L7e	Drawing showing the extent of the illuminating surface	:	See component's certificates
6.11.5.2.	L1e-L7e	Method used to define the apparent surface in accordance with point 2.10 of UNECE Regulation No 48 (OJ L 323, 6.12.2011, p. 46)	:	See component's certificates
6.11.5.3.	L1e-L7e	Axis of reference and centre of reference	:	See component's certificates
6.11.5.4.	L1e-L7e	Method of operation of concealable lamps	:	Not applicable
6.11.6.	L1e-L7e	Description/drawing and type of headlamp levelling device (e.g. automatic, stepwise manually adjustable, continuously manually adjustable)	:	Stepwise manually adjustable
6.11.6.1.	L1e-L7e	Control device	:	Set screw
6.11.6.2.	L1e-L7e	Reference marks	:	Not applicable
6.11.6.3.	L1e-L7e	Marks assigned for loading conditions	:	Not applicable
6.12.		**Rearward visibility**		
6.12.1.		*Rear-view mirrors (stating for each mirror)*		
6.12.1.1.	L1e-L7e	Drawing(s) for the identification of the mirror showing the position of the mirror relative to the vehicle structure	:	Make: WEIYOU Type: WY-DDC-HSJ-061 Approval Mark: L E4 000314 Refer to drawing No. H1-23
6.12.1.2.	L1e-L7e	Details of the method of attachment including that part of the vehicle structure to which it is attached	:	Refer to drawing No. H1-23
6.12.1.3.	L1e-L7e	A brief description of the electronic components of the adjustment system	:	Not applicable
6.12.2.	L1e-L7e	*Devices for indirect vision other than mirrors*		
6.12.2.1.	L1e-L7e	Description of the device	:	Not applicable
6.12.2.2.	L1e-L7e	In the case of a camera-monitor device, the detection distance (mm), contrast, luminance range, glare correction, display performance (black and white/colour),image repetition frequency, luminance reach of the monitor	:	Not applicable

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Item No	(Sub) categories	Detailed information		
6.12.2.3.	L1e-L7e	Sufficiently detailed drawings to identify the complete device, including installation instructions, the position for the EU type-approval mark has to be indicated on the drawings	:	Not applicable
6.13.		**Rollover protective structure (ROPS)**		
		From 6.13.1. to 6.13.4.2.	:	Not applicable
6.14.		**Safety belts and/or other restraints**		
		From 6.14.1. to 6.14.4.	:	Not applicable
6.15.		**Safety belt anchorages**		
		From 6.15.1. to 6.15.7.	:	Not applicable
6.16.		**Seating positions (saddles and seats)**		
6.16.1.	L1e-L7e	Number of seating positions	:	2 Refer to drawing no. H1-24
6.16.1.1.	L2e, L5e, L6e, L7e	Location and arrangement(8)	:	Not applicable
6.16.2.	L1e-L7e	Seating position configuration	:	~~seat/~~saddle (4) Refer to drawing no. H1-24
6.16.3.	L1e-L7e	Description and drawings of:		
6.16.3.1.	L1e-L7e	The seats and their anchorages	:	Not applicable
6.16.3.2.	L1e-L7e	The adjustment system	:	Not applicable
6.16.3.3.	L1e-L7e	The displacement and locking systems	:	Not applicable
6.16.3.4.	L1e-L7e	The seat-belt anchorages incorporated in the seat structure	:	Not applicable
6.16.3.5.	L1e-L7e	The parts of the vehicle used as anchorages	:	Not applicable
6.16.4.	L2e, L4e, L5e-B, L6e-B, L7e	Coordinates or drawing of the R-point(s) of all seating positions	:	Not applicable
6.16.4.1.	L2e, L4e, L5e-B, L6e-B, L7e	Driver's seat	:	Not applicable
6.16.4.2.	L2e, L4e, L5e-B, L6e-B, L7e	All other seating positions	:	Not applicable
6.16.5.	L1e-L7e	Design torso angle		

Item No	(Sub) categories	Detailed information		
6.16.5.1.	L1e-L7e	Driver's seat	:	Not applicable
6.16.5.2.	L1e-L7e	All other seating positions	:	Not applicable
6.16.6.	L1e-L7e	Rage of seat adjustment		
6.16.6.1.	L1e-L7e	Driver's seat	:	Not applicable
6.16.6.2.	L1e-L7e	All other seating positions	:	Not applicable
6.17.		**Steer-ability, cornering properties and turn-ability**		
6.17.1.	L1e-L7e	Schematic diagram of steered axle(s) showing steering geometry	:	Refer to drawing no. H1-25
6.17.2.		*Transmission and control of steering*		
6.17.2.1.	L1e-L7e	Configuration of steering transmission (specify for front and rear)	:	Refer to drawing no. H1-25
6.17.2.2.	L1e-L7e	Linkage to wheels (including other than mechanical means, specify for front and rear)	:	Front steering axle
6.17.2.2.1.	L1e-L7e	A brief description of the electrical/ electronic components	:	Not applicable
6.17.2.3.	L1e-L7e	Diagram of the steering transmission	:	Refer to drawing no. H1-25
6.17.3.		*Maximum steering angle of the wheels*		
6.17.3.1.	L1e-L7e	To the right	:	46 degrees
6.17.3.2.	L1e-L7e	To the left	:	54 degrees
6.18.		**Tyres/wheels combination**		
6.18.1.		*Tyres*		
6.18.1.1.		Size designation		
6.18.1.1.1.	L1e-L7e	Axle 1	:	Front: 90/90-12 54J
6.18.1.1.2.	L1e-L7e	Axle 2	:	Rear: 90/90-12 54J
6.18.1.1.3.	L4e	Sidecar wheel	:	Not applicable
6.18.1.2.	L1e-L7e	Minimum load-capacity index	:	Front: 23, with the maximum load on each tyre: 87.5 kg Rear: 43 with the maximum load on each tyre: 155 kg

Item No	(Sub) categories	Detailed information
6.18.1.3.	L1e-L7e	Minimum-speed category symbol compatible with the theoretical maximum design vehicle speed : F
6.18.1.4.	L1e-L7e	Tyre pressure(s) as recommended by the vehicle manufacturer : Front: 250 kPa Rear: 250 kPa
6.18.2.		Wheels
6.18.2.1.	L1e-L7e	Rim size(s) : Front: 2.15-12 Rear: 2.15-12
6.18.2.2.	L1e-L7e	Categories of use compatible with the vehicle : Normal
6.18.2.3.	L1e-L7e	Nominal rolling circumference : Front: 1466 mm Rear: 1466 mm
6.19.		**Vehicle maximum speed limitation plate and its location on the vehicle**
		From 6.19.1. to 6.19.6 : Not applicable
6.20.		**Vehicle occupant protection, including interior fittings and vehicle doors**
		From 6.20.1. to 6.20.4.3.2. : Not applicable
6.21.		**Maximum continuous total power and/or maximum vehicle speed limitation by design**
6.21.1.		*Propulsion and/or drive-train output governors*
6.21.1.1.	L1e-L7e	Number (minimum two, exemption L3e-A13 and L4e-A3) : Not applicable
6.21.1.2.	L1e-L7e	How is the redundancy of governors ensured? : Not applicable
6.21.1.3.	L1e-L7e	Nominal cut-off point no 1
6.21.1.3.1.	L1e-L7e	Engine/motor/drive-train rotation speed at which cut-off starts under load : Not applicable
6.21.1.3.2.	L1e-L7e	Maximum rotation speed at the minimum engine load : Not applicable
6.21.1.4.	L1e-L7e	Nominal cut-off point no 2
6.21.1.4.1.	L1e-L7e	Engine/motor/drive-train rotation speed at which cut-off starts under load (4) : Not applicable
6.21.1.4.2.	L1e-L7e	Maximum rotation speed at the minimum engine load : Not applicable

Item No	(Sub) categories	Detailed information		
6.21.1.5.	L1e-L7e	The stated purpose of governor(s)	:	~~maximum design vehicle speed limitation/ maximum power limitation/engine over-speed protection~~ [4]
7.		**INFORMATION ON VEHICLE CONSTRUCTION**		
7.1.		**Coupling devices and attachments**		
		From 7.1.1. to 7.1.6.	:	Not applicable
7.2.		**Devices to prevent unauthorized use**		
7.2.1.		*Protective device*		
7.2.1.1.	L1e-L7e	Summary description of protective device(s) used	:	Type 2, Steering lock with handle bar operating on the steering and engine is operated by combination switch. Refer to drawing No. H1-26
7.2.2.		*Vehicle immobiliser*		
7.2.2.1.	L1e-L7e	Technical description of the vehicle immobiliser and of the measures taken against inadvertent activation	:	Not applicable
7.2.3.		*Alarm system*		
7.2.3.1.	L1e-L7e	Description of the alarm system and of the vehicle parts involved in its installation	:	Not applicable
7.2.3.2.	L1e-L7e	List of the main components comprising the alarm system	:	Not applicable
7.3.		**Electromagnetic compatibility (EMC)**		
7.3.1.	L1e-L7e	Requirements under UNECE Regulation No 10 (OJ L 254, 20.9.2012, p. 1) are met with relevant documentation included in the information document	:	yes
7.3.2.	L1e-L7e	Table or drawing of radio-interference control equipment	:	Refer to drawing no. H1-32
7.3.3.	L1e-L7e	Particulars of the nominal value of the direct-current resistance, and, in the case of resistive ignition cables, of their nominal resistance per metre	:	1. 5.00 mm^2 (max. resistance: 13.3 Ohm/km) 2. 1.00 mm^2 (max. resistance: 19.5 Ohm/km) 3. 0.75 mm^2 (max. resistance: 26.0 Ohm/km) 4. 0.50 mm^2 (max. resistance: 39.0 Ohm/km) 5. 0.30 mm^2 (max. resistance: 69.2 Ohm/km)

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Item No	(Sub) categories	Detailed information
7.4.		**External projections**
7.4.1.	L1e-L7e vehicles with bodywork	General arrangement (drawing or photographs accompanied if necessary by dimensional details and/or text) indicating the position of the attached sections and views, of any parts of the exterior surface which can be regarded as critical for external projections, for example, and where relevant: bumpers, floor line, door and window pillars, air-intake grilles, radiator grille, windscreen wipers, rain gutter channels, handles, slide rails, flaps, door hinges and locks, hooks, eyes, winches, decorative trim, badges, emblems and recesses and any other parts of the exterior surface which can be regarded as critical (e.g. lighting equipment) : Not applicable
7.5.		**Fuel storage**
		From 7.5.1. to 7.5.3.1. : Not applicable
7.6.		**On-board diagnostics (OBD) functional requirements**
7.6.1		*On-board diagnostics system*
7.6.1.1.	L1e-L7e	Stage I : yes/~~no~~(4) and/or
7.6.1.2.	L1e-L7e	Stage II : ~~yes/~~no(4)
7.6.2.		*OBD system general information*
7.6.2.1.	L3e-L7e (10)	Written description and/or drawing of the malfunction indicator (MI) : Refer to drawing no. H1-19
7.6.2.2.	L3e-L7e (10)	List and purpose of all components monitored by the OBD system : See item 7.6.2.3.
7.6.2.3.	L3e-L7e (10)	Written description (general working principles) for all OBD stage I circuit (open circuit, shorted low and high, rationality) and electronics (PCU/ECU internal and communication) diagnostics :

Item No	(Sub) categories	Detailed information

Components	Fault Code	Monitor Strategy	Fault detection criteria	MI activation Criteria	Secondary Parameters	Pre-conditioning	Demonstration test
Throttle	P0120	Accelerator(Handle) position sensoropen circuit	Consumption = 0 A	/	/	N.A.	One type I
	P0122	Accelerator(Handle) position sensor circuit low	Accelerator(Handle) signal level less than 1% of the range	/	/	N.A.	One type I
	P0123	Accelerator(Handle) position sensor circuit high	Accelerator(Handle) signal level more than 99% of the range	/	/	N.A.	One type I
Drive motor control module	U0110	Accelerator(Handle) position sensoropen circuit	Consumption = 0 A	/	/	N.A.	One type I
Drive motor temperature	P0A2C	Drive motor temperature sensor circuit low	Sensor signal level less than 1% of the range	/	/	N.A.	One type I
	P0A2D	Drive motor temperature sensor circuit high	Sensor signal level more than 99% of the range	/	/	N.A.	One type I
System voltage	P0562	System voltage low	Main supply under voltage	/	/	N.A.	One type I
	P0563	System voltage high	Main supply over voltage	/	/	N.A.	One type I

7.6.2.4.	L3e-L7e(10)	Written description (general working principles) for all OBD stage I diagnostic functionality triggering any operating mode which significantly reduces engine torque in case of fault detection	:	See item 7.6.2.3.
7.6.2.5.	L3e-L7e(10)	Written description of the communication protocol(s) supported	:	ISO 9141-2: 1994
7.6.2.6.	L3e-L7e(10)	Physical location of diagnostic-connector (add drawings and photographs)	:	Refer to drawing no. H1-36
7.6.2.7.	L3e-L7e(10)	Written description in case of voluntary compliance with OBD stage II (general working principles)	:	Not applicable
7.6.3.		*OBD compatibility* *The following additional information shall be provided by the vehicle manufacturer to enable the manufacture of OBD-compatible replacement or service parts, diagnostic tools and test equipment*:		

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Item No	(Sub) categories	Detailed information		
7.6.3.1.	L3e-L7e(10)	A comprehensive document describing all sensed components concerned with the strategy for fault detection and MI activation (fixed number of driving cycles or statistical method). This shall, include a list of relevant secondary sensed parameters for each component monitored by the OBD system. The document shall also list all OBD output codes and formats (with an explanation of each) used in association with individual emission-related powertrain components and individual non-emission- related components, where monitoring the component is used to determine MI activation. This shall contain, in particular, a comprehensive explanation for the data given in service $05 Test ID $ 21 to FF and the data given in service $06	:	Not applicable
7.6.3.2.	L3e-L7e(10)	For vehicle types using a communication link in accordance with ISO 15765-4 ‘Road vehicles, diagnostics on controller area network (CAN) — Part 4: requirements for emissions-related systems’, the manufacturer shall provide a comprehensive explanation for the data given in service $06 Test ID $00 to FF, for each OBD monitor ID supported	:	Not applicable
7.6.3.3.	L3e-L7e(10)	The information required above may be provided in table form as described below.	:	See item 7.6.2.3.
7.6.3.4.	L3e-L7e(10)	Description of ETC diagnostic fault codes	:	Not applicable
7.6.4.		*Communication protocol information* *The following information shall be referenced to a specific vehicle make, model and variant, or identified using other workable definitions such as VIN or vehicle and systems identification*		
7.6.4.1.	L3e-L7e(10)	Any protocol information system needed to enable complete diagnostics in addition to the standards prescribed in point 3.8. of Appendix 1 to Annex XII to Commission Delegated Regulation (EU) No 44/2014, such as additional hardware or software protocol information, parameter identification, transfer functions, ‘keep alive’ requirements, or error conditions	:	Protocol information are implemented according to ISO 9141-2: 1994 Diagnostic service requirements according to ISO 15031-5:2011

Item No	(Sub) categories	Detailed information		
7.6.4.2.	L3e-L7e(10)	Details of how to obtain and interpret all fault codes not in accordance with the standards prescribed in point 3.11. of Appendix 1 to Annex XII to Commission Delegated Regulation (EU) No 44/2014	:	Not applicable
7.6.4.3.	L3e-L7e(10)	A list of all available live data parameters including scaling and access information	:	

PID	Description	Min. value	Max. value	Units
01	Monitor status since DTCs cleared	/	/	/
02	Freeze DTC	/	/	/
04	Calculated load	0	100	%
05	Motor temperature	-40	215	ºC
0C	Motor rpm	0	4000	rpm
11	Accelerator(Handle) position	0	100	%
21	Distance travelled with malfunction indicator lamp(MIL) on	0	65,535	km
42	Control module voltage	0	65.535	V

7.6.4.4.	L3e-L7e(10)	A list of all available functional tests including device activation or control and the means to implement them	:	Not applicable
7.6.4.5.	L3e-L7e(10)	Details of how to obtain all component and status information, time stamps, pending DTC and freeze frames	:	According to ISO 15031-5:2011
7.6.4.6.	L3e-L7e(10)	~~PCU~~/ECU identification and variant coding	:	Calibration software identification No.: H1 Verification No.: 00000001
7.6.4.7.	L3e-L7e(10)	Details of how to reset service lights	:	According to ISO 15031-5: 2011
7.6.4.8.	L3e-L7e(10)	Location of diagnostic connector and connector details	:	Refer to drawing no. H1-36
7.6.4.9.	L3e-L7e(10)	Engine code identification.	:	See item 3.1.2.2.
7.6.5.		*Test and diagnosis of OBD monitored components*		
7.6.5.1.	L3e-L7e(10)	A description of tests to confirm its functionality, at the component or in the harness	:	See item 7.6.2.3.
7.7.		**Passenger handholds and footrests**		
7.7.1.		*Handholds*		
7.7.1.1.	L1e-L7e	Configuration	:	~~Strap and/or~~ handle (4)

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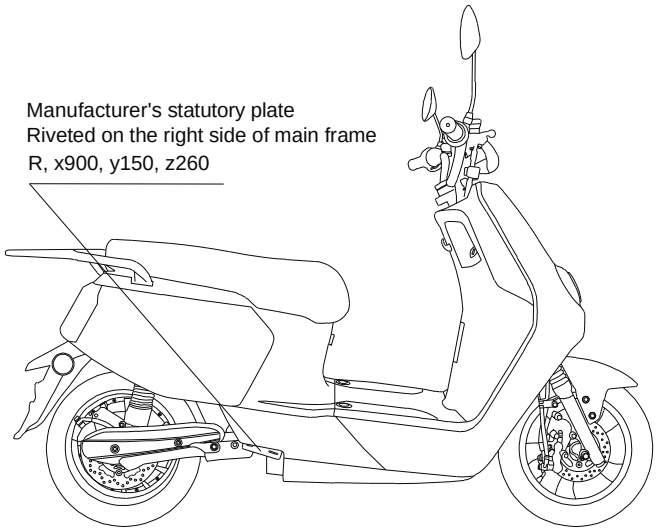
Item No	(Sub) categories	Detailed information		
7.7.1.2.	L1e-L7e	Photographs and/or drawings showing the location and the construction	:	Refer to drawing no. H1-27
7.7.2.		*Footrests*		
7.7.2.1.	L1e-L7e	Photographs and/or drawings showing the location and the construction	:	Refer to drawing no. H1-28
7.8.		**Registration plate space**		
7.8.1.	L1e-L7e	Location of rear registration plate (indicate variants where necessary, drawings may be used as appropriate)	:	Refer to drawing no. H1-29
7.8.1.1.	L1e-L7e	Height above road surface, upper edge	:	Refer to drawing no. H1-29
7.8.1.2.	L1e-L7e	Height above road surface, lower edge	:	Refer to drawing no. H1-29
7.8.1.3.	L1e-L7e	Distance of the centre line from the longitudinal median plane of the vehicle	:	0 mm
7.8.1.4.	L1e-L7e	Dimensions (length x width)	:	Refer to drawing no. H1-29
7.8.1.5.	L1e-L7e	Inclination of the plane to the vertical	:	Refer to drawing no. H1-29
7.8.1.6.	L1e-L7e	Angle of visibility in the horizontal plane	:	Refer to drawing no. H1-29
7.9.		**Stands**		
7.9.1.	L1e, L3e	Configuration	:	central and/~~or~~ side (4)
7.9.2.	L1e, L3e	Construction material used	:	Metal
7.9.3.	L1e, L3e	Photographs and drawings showing the location of the stand(s) in relation to the structure of the vehicle	:	Refer to drawing no. H1-30, H1-31
7.9.4.	L1e, L3e	Description of the method to prevent contact of the stand with the ground when the vehicle is being propelled	:	Designed in such a way that it cannot be propelled by its electric engine when the prop stand is extended.

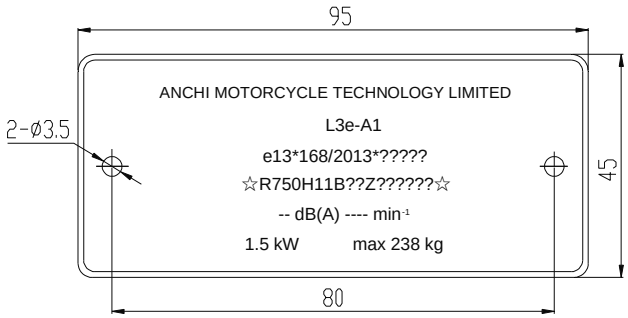
DRAWINGS LIST

Drawing No.	Drawing Subject	Page(s)	Date
H1-01	Locations and details of manufacturer's statutory plate	1	20.02.2022
H1-02	Locations and details of the vehicle identification number	1	20.02.2022
H1-03	Complete vehicle	1	20.02.2022
H1-04	Chassis	1	20.02.2022
H1-05	Position and arrangement of the electric motor	1	20.02.2022
H1-06	Position and arrangement of the controller	1	20.02.2022
H1-07	Control system of pure propulsion	1	20.02.2022
H1-08	Installation of the battery	1	20.02.2022
H1-09	Front suspension arrangement	1	20.02.2022
H1-10	Rear suspension arrangement	1	20.02.2022
H1-11	Location of audible warning device	1	20.02.2022
H1-12	Electrical circuit diagram	1	20.02.2022
H1-13	Braking system	1	20.02.2022
H1-14	Brake hose	1	20.02.2022
H1-15	Hydraulic reservoirs	1	20.02.2022
H1-16	Front brake pads	1	20.02.2022
H1-17	Rear brake pads	1	20.02.2022
H1-18	Circuit breaker	1	20.02.2022
H1-19	Controls I.D., tell-tales and indicators	1	20.02.2022
H1-20	Complete speedometer system	1	20.02.2022
H1-21	List of lighting and light-signaling devices	1	20.02.2022
H1-22	Lighting installation	1	20.02.2022
H1-23	Rear-view mirror position and installation	1	20.02.2022
H1-24	The seating position and R-point	1	20.02.2022
H1-25	Steering geometry	1	20.02.2022
H1-26	Steering lock system	1	20.02.2022
H1-27	Construction and location of passenger hand-hold	1	20.02.2022
H1-28	Construction and location of footrest	1	20.02.2022
H1-29	Mounting space for rear registration plate	1	20.02.2022
H1-30	Location of main stand	1	20.02.2022
H1-31	Location of side stand	1	20.02.2022
H1-32	Location of power circuit components	1	20.02.2022
H1-33	Location of high voltage label	1	20.02.2022
H1-34	Location and detail of charging interface	1	20.02.2022
H1-35	Power wiring harness	1	20.02.2022
H1-36	Location of diagnostic connector	1	20.02.2022

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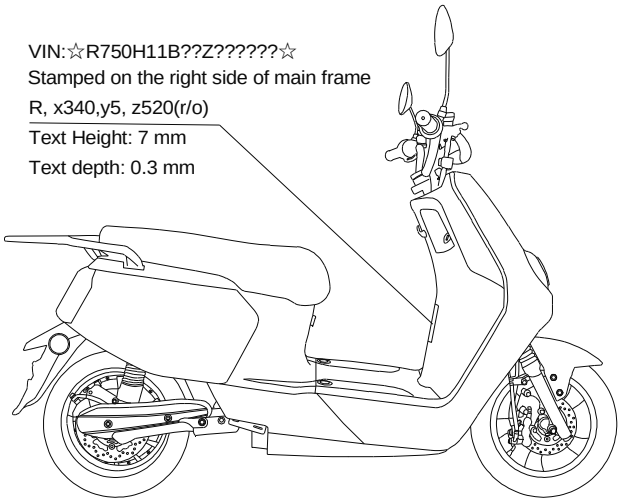
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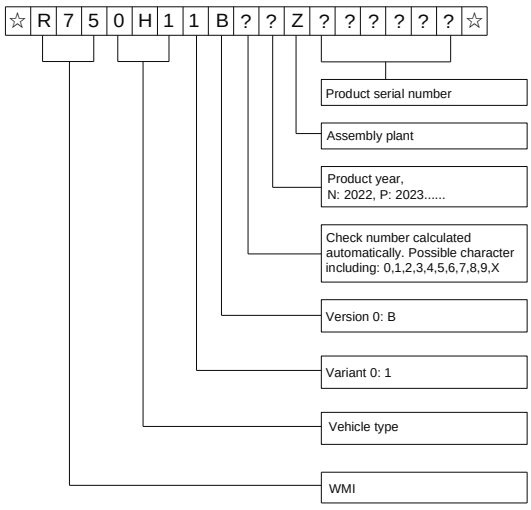
R: right side of the vehicle
x: horizontal distance (mm) from the front-most axle
y: horizontal distance (mm) from the longitudinal centre line of the vehicle
z: distance (mm) from the ground

Vehicle Type	H1
Locations and details of manufacturer's statutory plate	
Drawing No.	H1-01

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Application date: 20.02.2022

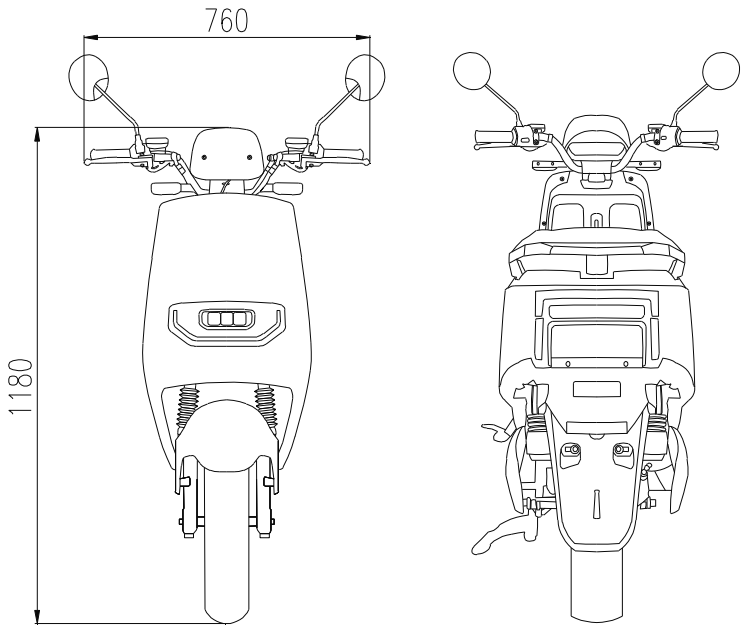


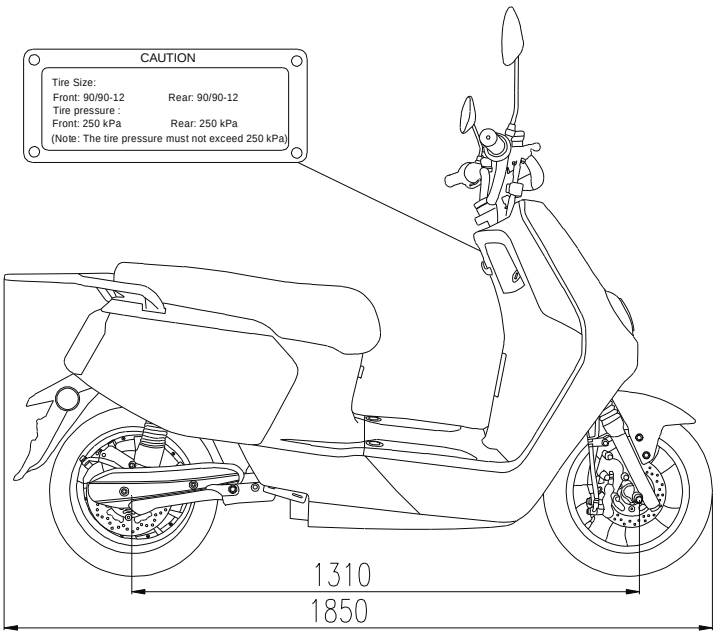


R: right side of the vehicle
x: horizontal distance (mm) from the front-most axle
y: horizontal distance (mm) from the longitudinal centre line of the vehicle
z: distance (mm) from the ground

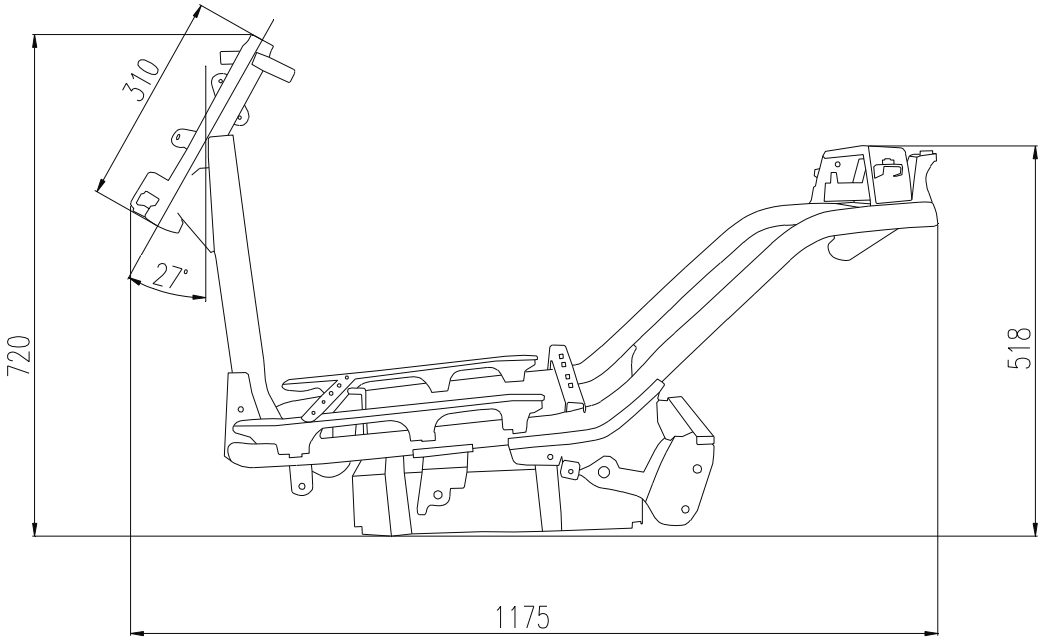
Vehicle Type	H1
Locations and details of the vehicle identification number	
Drawing No.	H1-02

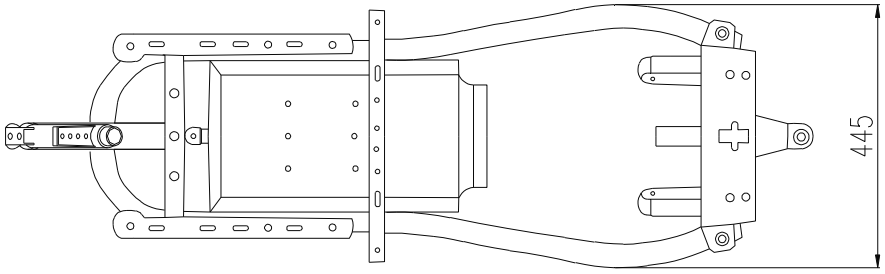
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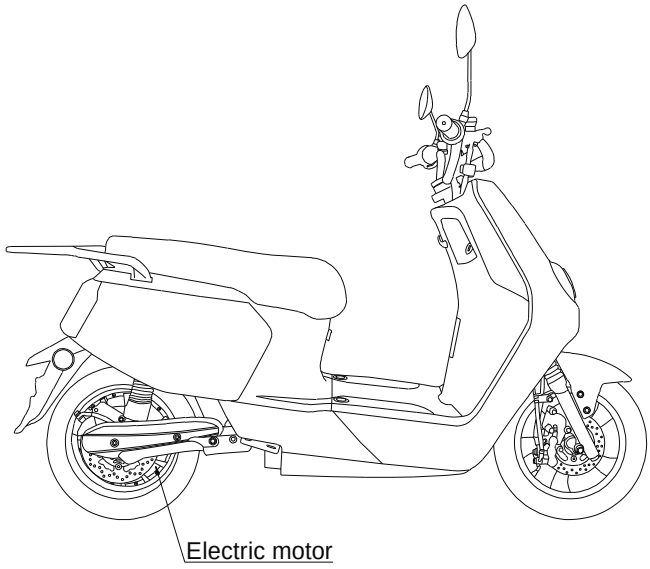
Vehicle Type	H1
Complete vehicle	
Drawing No.	H1-03



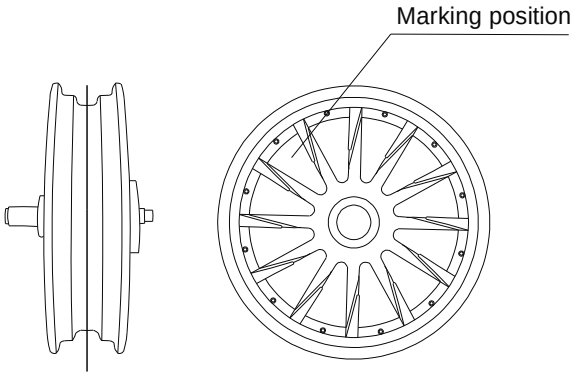


Vehicle Type	H1
Chassis	
Drawing No.	H1-04

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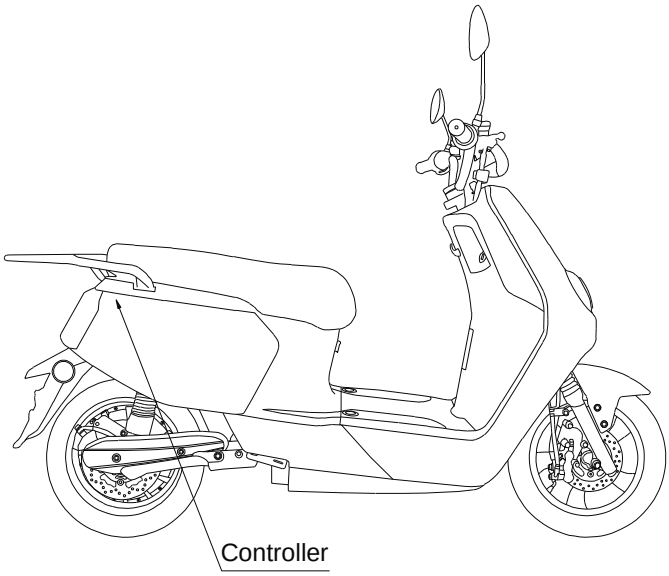
Detail:



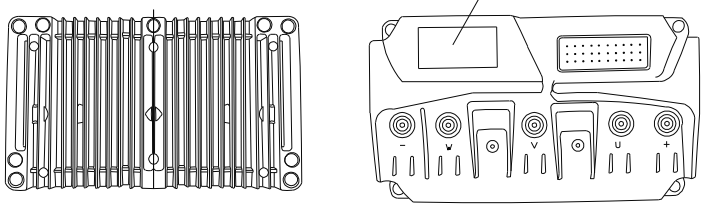
Manufacturer: Zhejiang Quanshun Electric Drive Technology Co., Ltd.
Make: QS
Type & marking: ZF72V20TT

Vehicle Type	H1
Position and arrangement of the electric motor	
Drawing No.	H1-05

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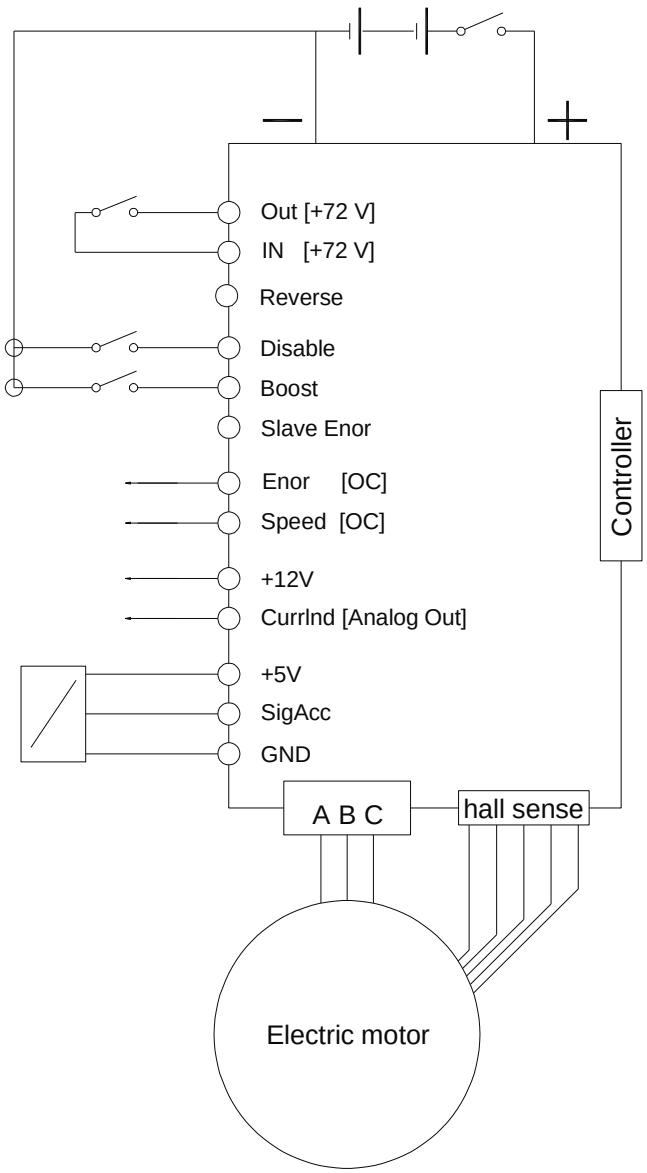
Detail:



Manufacturer: WUXI LINGBO ELECTRONIC TECHNOLOGY CO., LTD.
Make: LINGBO
Type: K5AE
Identification number: K5AE

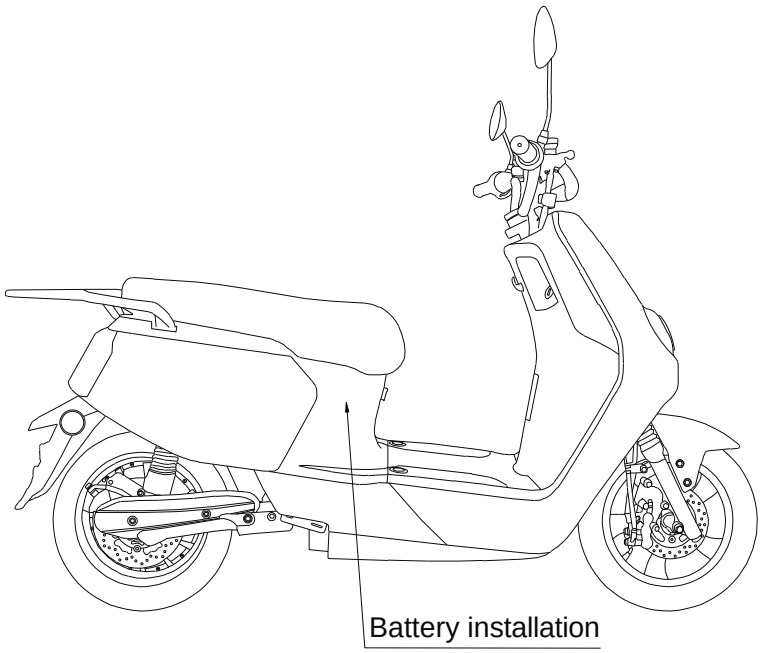
Vehicle Type	H1
Position and arrangement of the controller	
Drawing No.	H1-06

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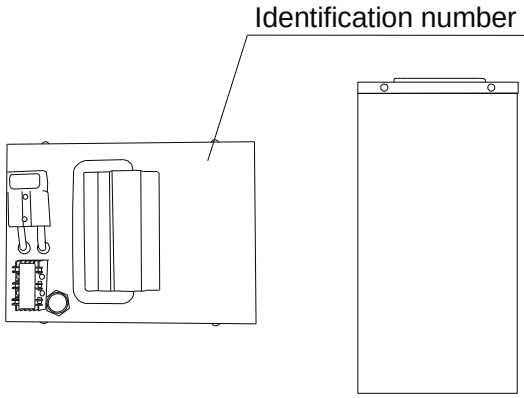


Vehicle Type	H1
Control system of pure propulsion	
Drawing No.	H1-07

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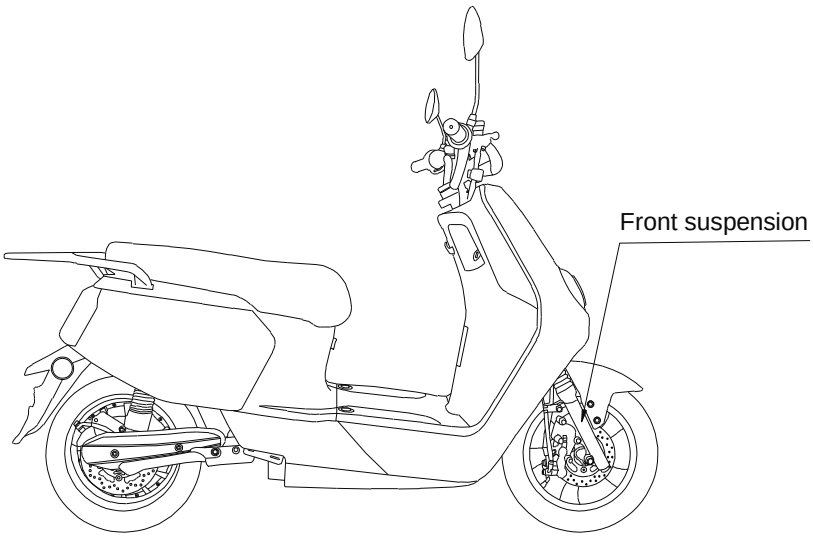
Detail:



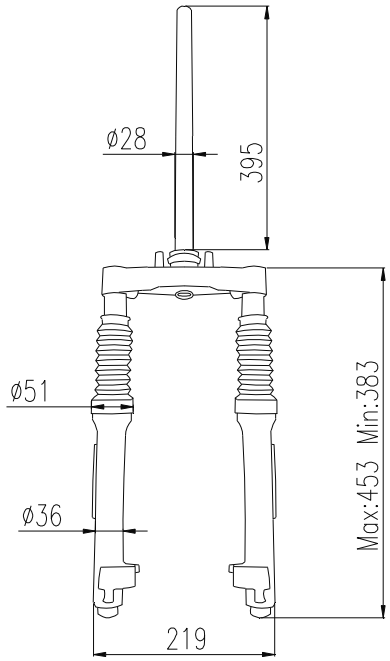
Identification number: DZ72N-51ES

Vehicle Type	H1
Installation of the battery	
Drawing No.	H1-08

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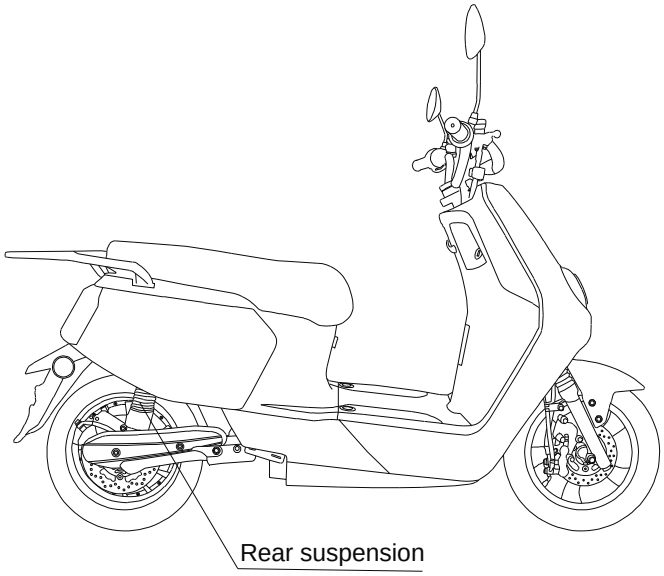


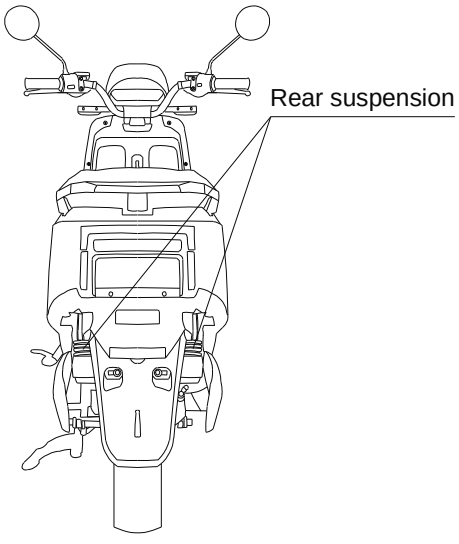
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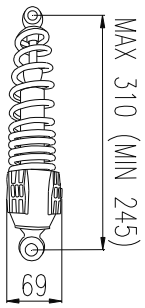
Vehicle Type	H1
Front suspension arrangement	
Drawing No.	H1-09

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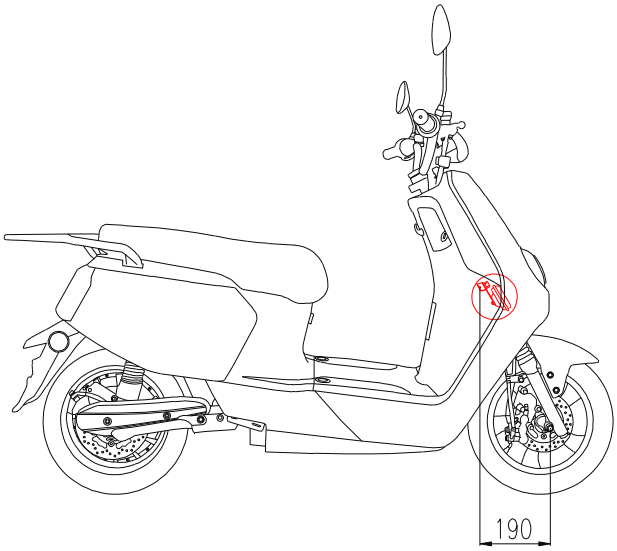


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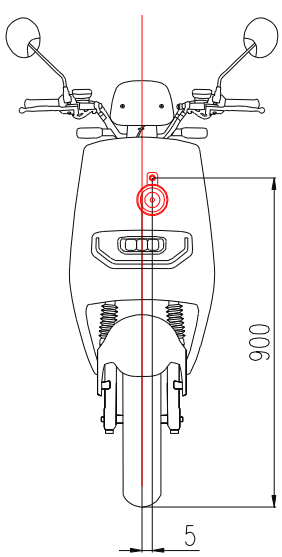


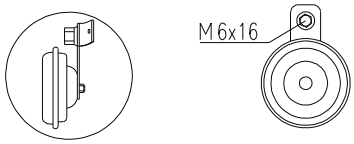
Vehicle Type	H1
Rear suspension arrangement	
Drawing No.	H1-10

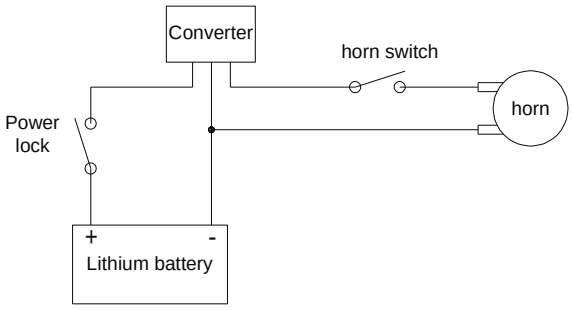
Information document no.: 168/2013-H1-00
Application date: 20.02.2022



Detail:

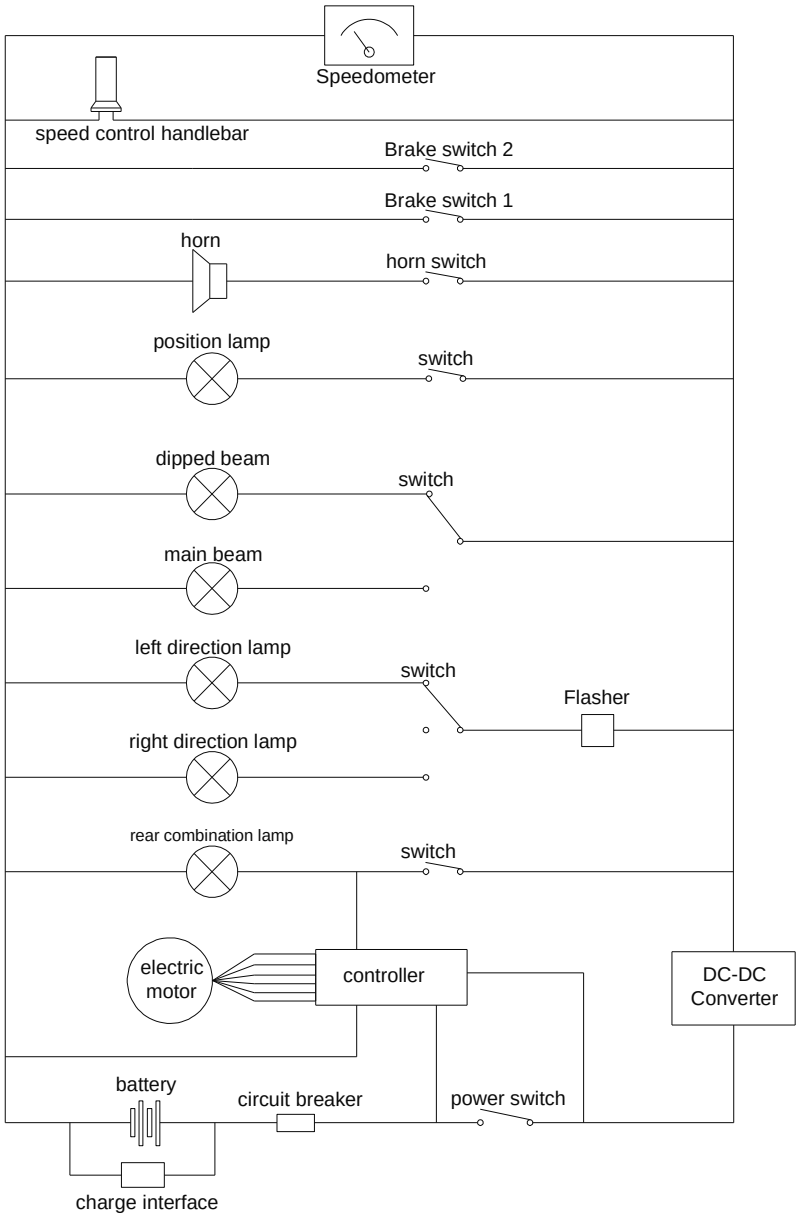






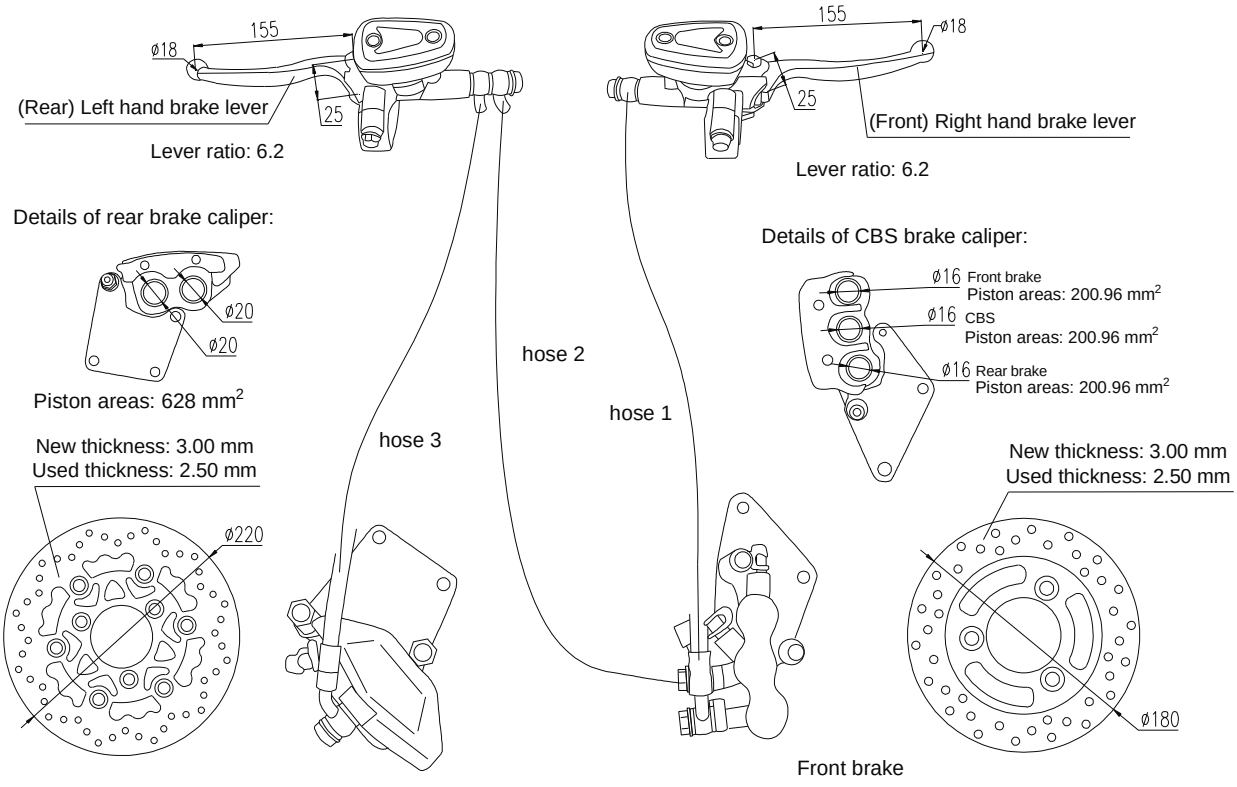
Vehicle Type	H1
Location of audible warning device	
Drawing No.	H1-11

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Vehicle Type	H1
Electrical circuit diagram	
Drawing No.	H1-12

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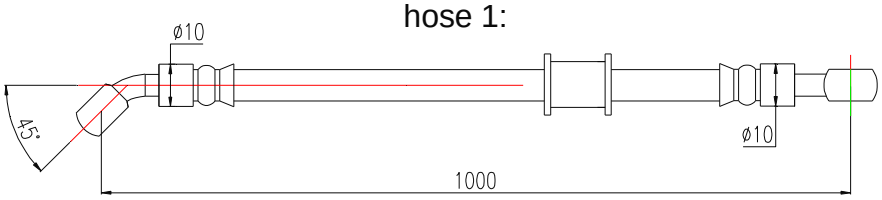
Manufacturer: Wuxi Jinxinshu Brake Co., Ltd.
Front brake type:ZFH1F
Rear brake type: ZFH1R

Vehicle Type	H1
Braking system	
Drawing No.	H1-13

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Front brake hose:

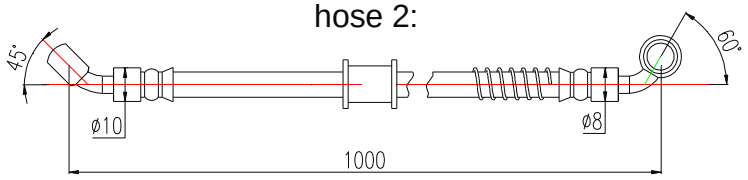
hose 1:



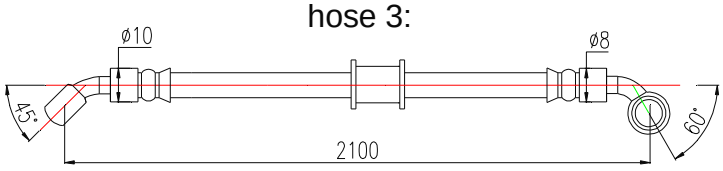
Brake pipe inner diameter: 3.2 mm; outer diameter: 10 mm

Rear brake hose:

hose 2:



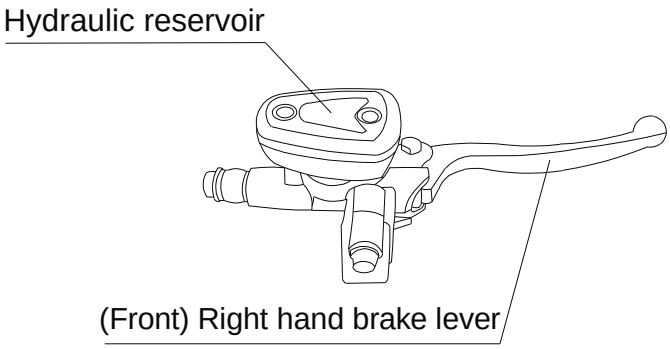
hose 3:

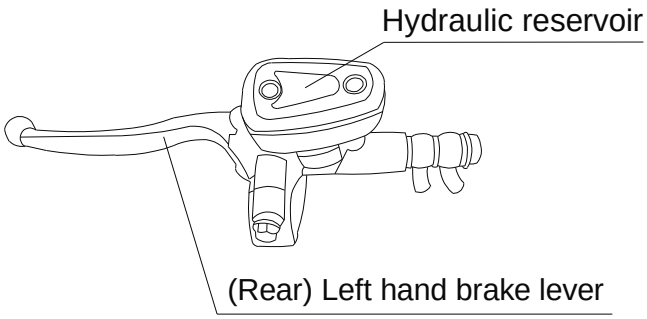


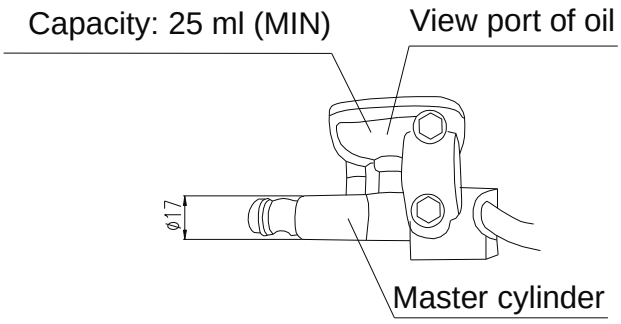
Brake pipe inner diameter: 3.2 mm; outer diameter: 7.5 mm

Vehicle Type	H1
Brake hose	
Drawing No.	H1-14

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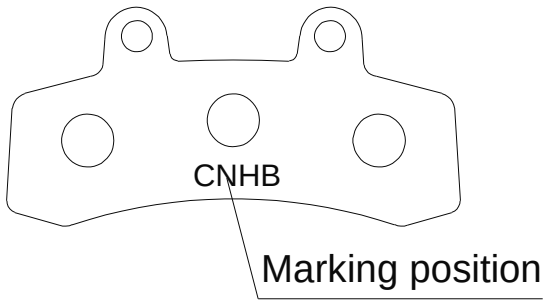


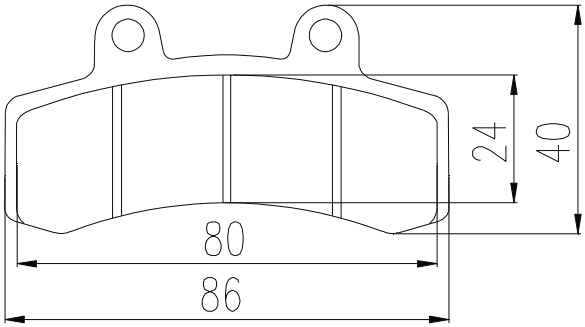


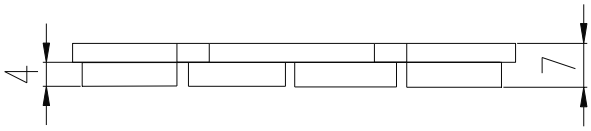
Master cylinder areas: 226.87 mm^2

Vehicle Type	H1
Hydraulic reservoirs	
Drawing No.	H1-15

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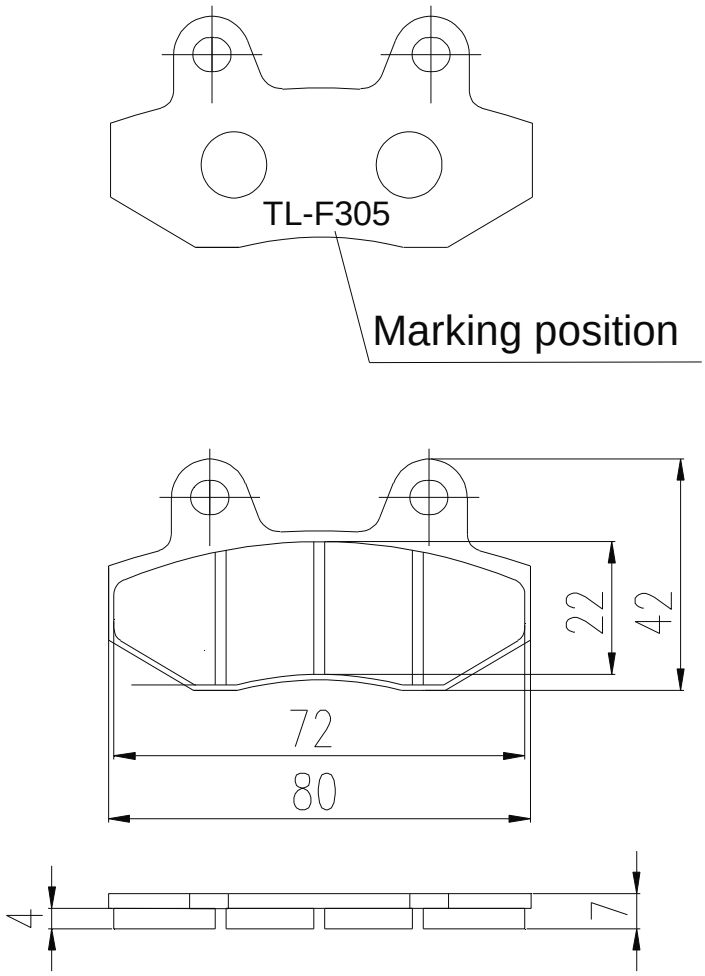




Manufacturer: Wuxi Shuangli Brake Co., Ltd.
Marking: CNHB
Effective braking areas: 1730 mm^2 x 2 = 3460 mm^2
Material: Cu, $CaSiO_3$
Asbestos free

Vehicle Type	H1
Front brake pads	
Drawing No.	H1-16

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Manufacturer: Wuxi Shuangli Brake Co., Ltd.
Marking: TL-F305
Effective braking areas: 1560 mm^2 x 2 = 3120 mm^2
Material: Cu, $CaSiO_3$
Asbestos free

Vehicle Type	H1
Rear brake pads	
Drawing No.	H1-17

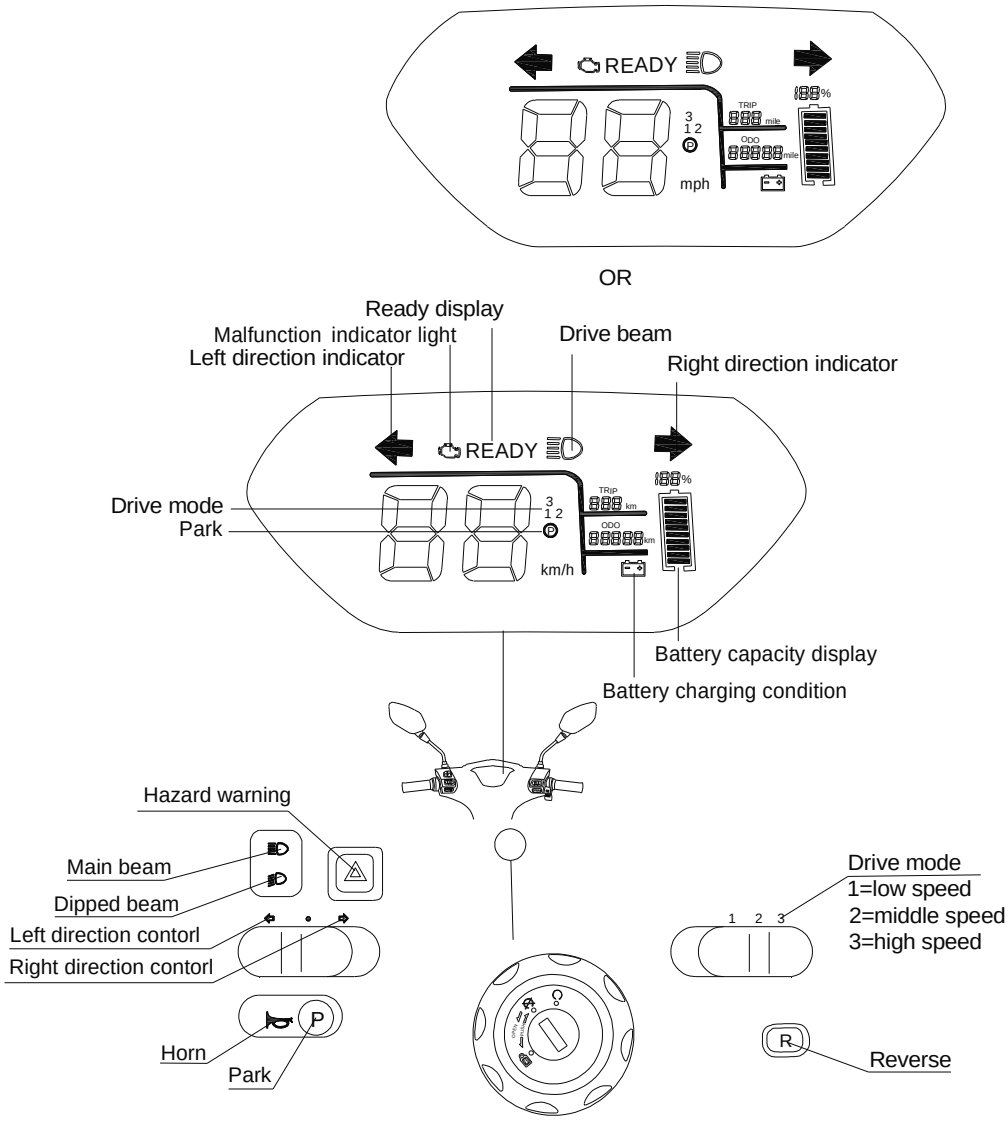
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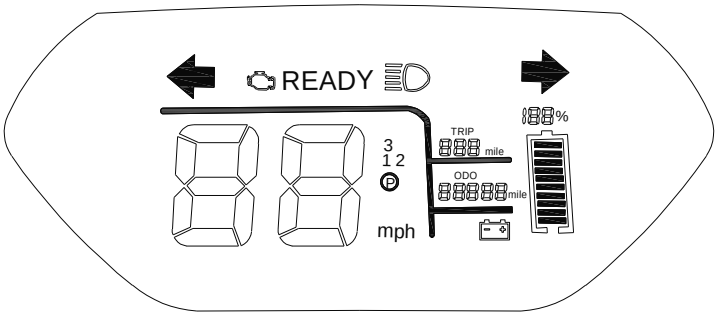
When the current reaches 63 A, the overload protector is disconnected.

Vehicle Type	H1
Circuit breaker	
Drawing No.	H1-18

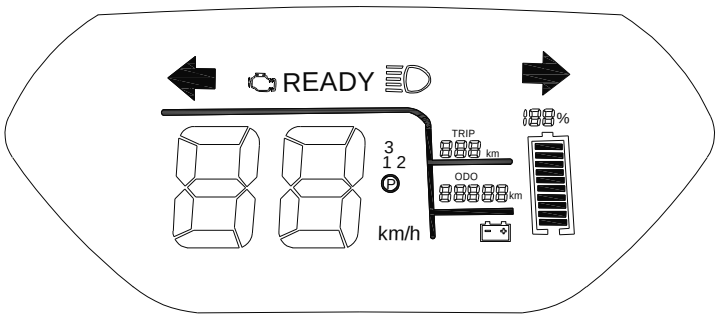


Vehicle Type	H1
Controls I.D., tell-tales and indicators	
Drawing No.	H1-19

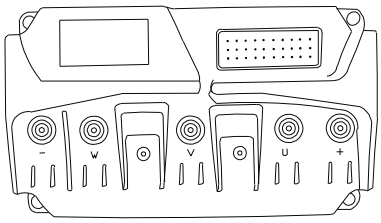
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OR



Directly connected to the controller.



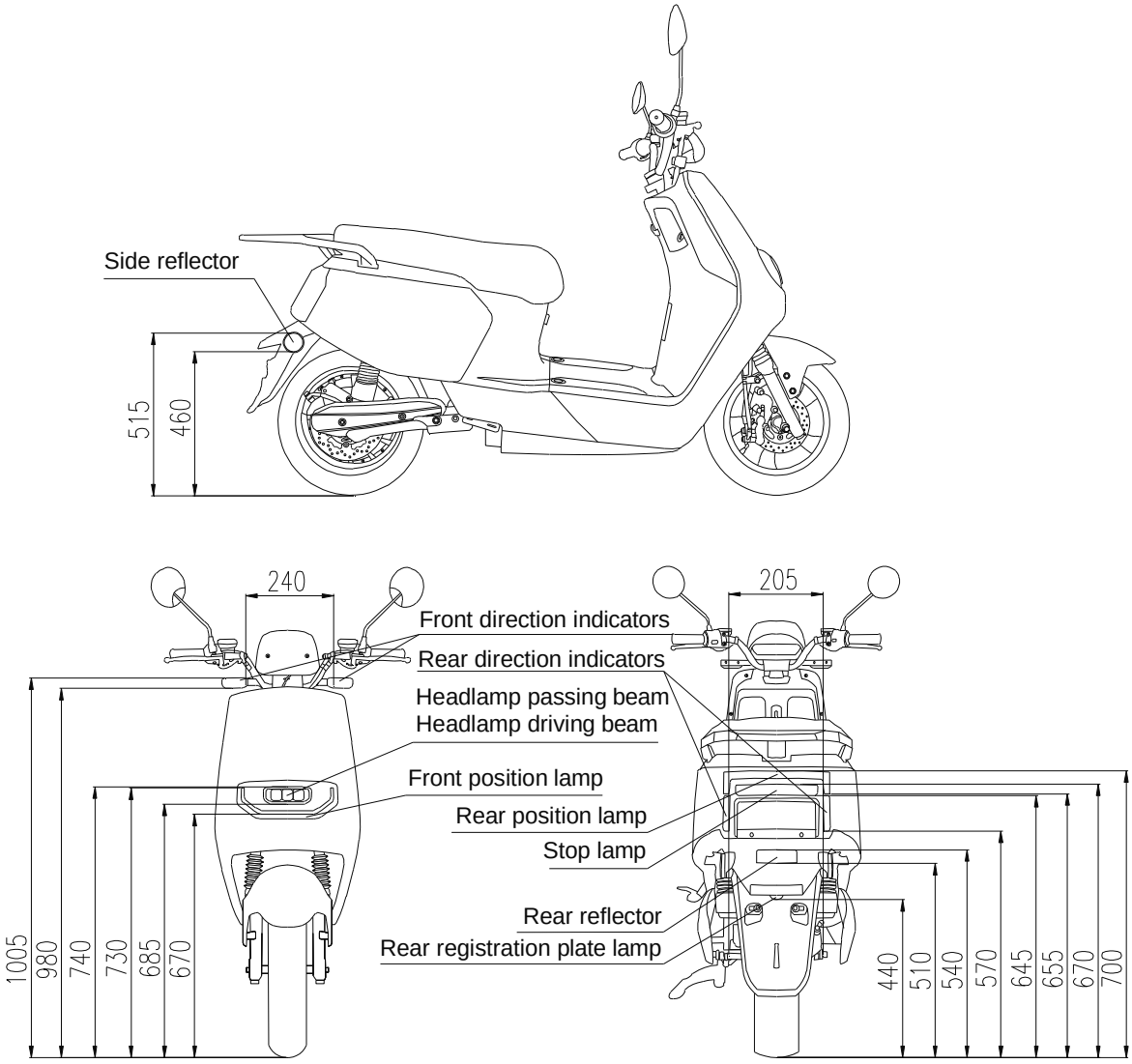
Manufacturer: WUXI CHUANGYI ELECTRONIC TECHNOLOGY CO., LTD.
Type: ZFH1

Vehicle Type	H1
Complete speedometer system	
Drawing No.	H1-20

Name	Make	Type	Quantity /Color	Tell tale	Approval mark	Max. intensity
Head lamp driving beam	HR	BP-330	1/white	Blue	WCR-CS PL 7.5 E57 02 0099	25913 cd
Head lamp passing beam			1/white	/		/
Front position lamp			1/white	/	E57 50R-020099	/
Front direction indicator		BP-331/BP-332	2/amber	Green	11 E57 50R-000100	/
Rear direction indicator		BP-333	2/amber	Green	12 E57 50R-000101	/
Stop lamp			1/red	/	E57 50R-000101	/
Rear position lamp			1/red	Via panel		/
Rear registration plate lamp	[illegible]	86709-10L4-0000	1/white	Via panel	E4 50R-002919	/
Rear reflector	K-LITE	KM202	1/red	/	IA E4 023712	/
Side reflector	K-LITE	KM101	2/amber	/	IA E4 023298	/
Optional						
Side reflector	COBO	KM101-COBO	2/amber	/	IA E4 023996	/

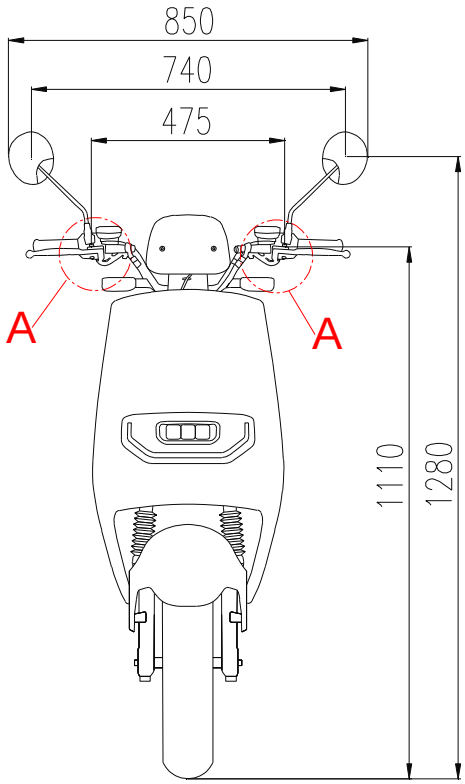
Vehicle Type	H1
List of lighting and light-signaling devices	
Drawing No.	H1-21

Remark: Passing beam with function of automatically switch on when vehicle ignition on.

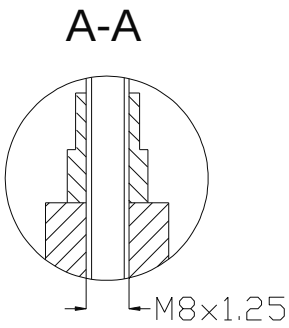


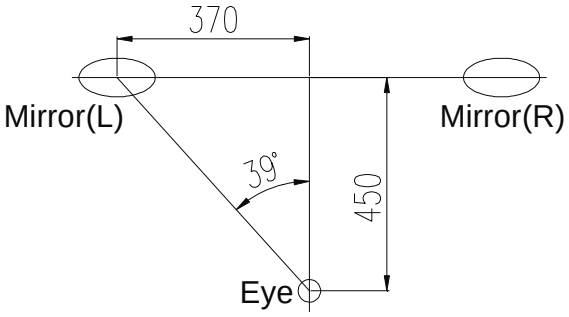
Vehicle Type	H1
Lighting installation	
Drawing No.	H1-22

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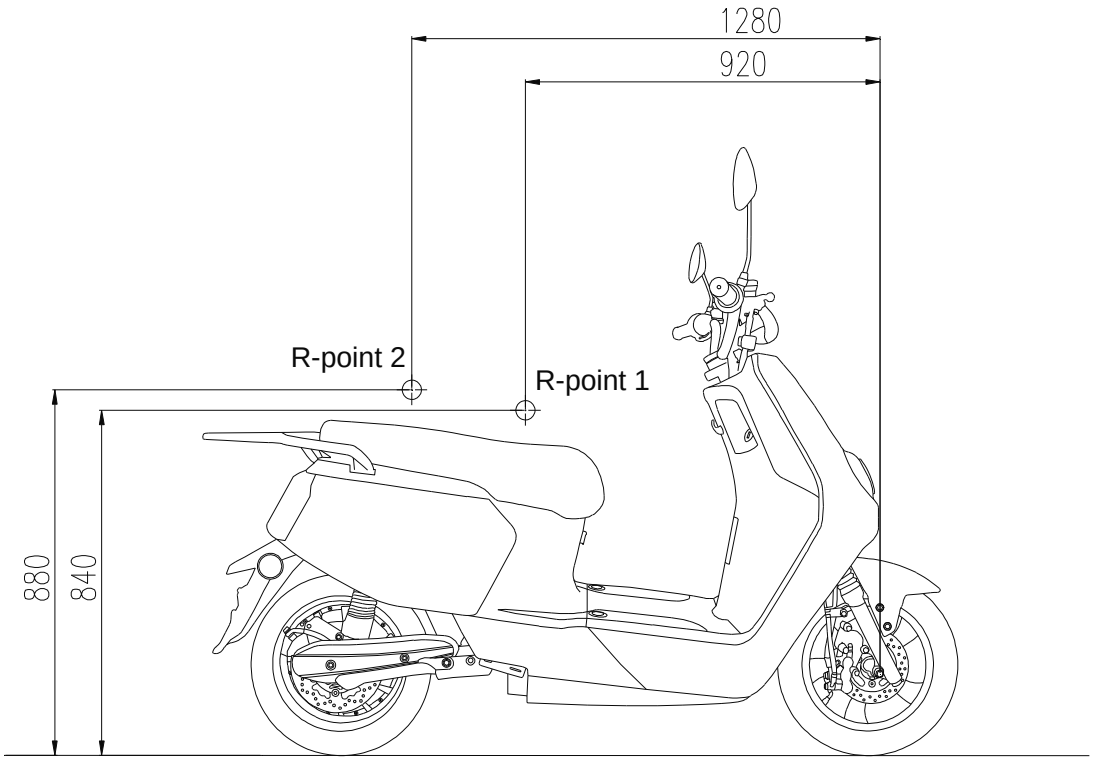
Detail:





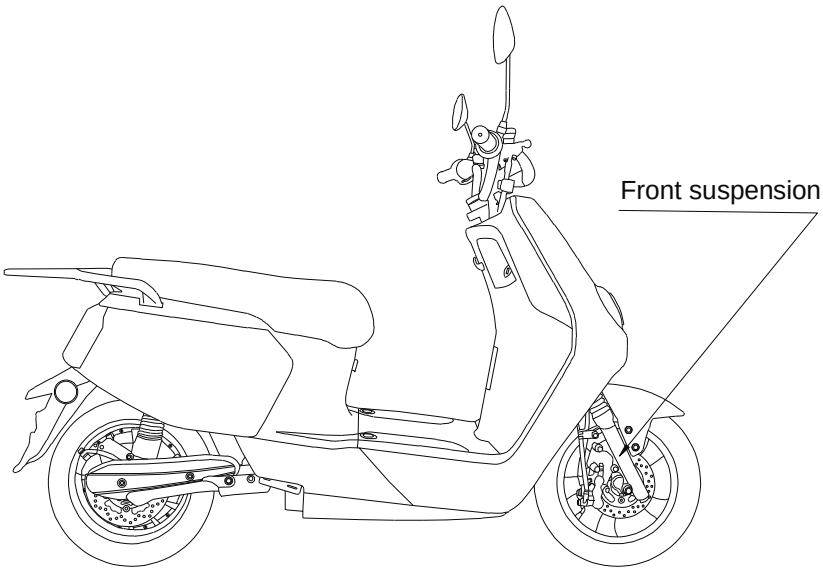
Vehicle Type	H1
Rear-view mirror position and installation	
Drawing No.	H1-23

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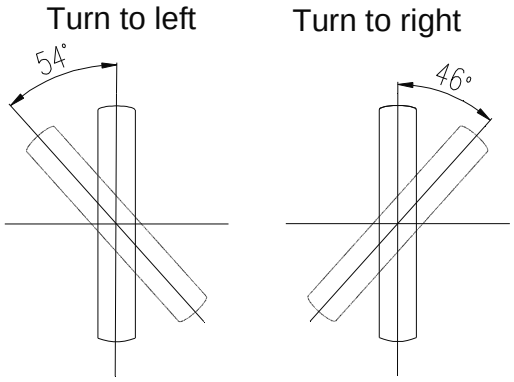


Vehicle Type	H1
The seating position and R-point	
Drawing No.	H1-24

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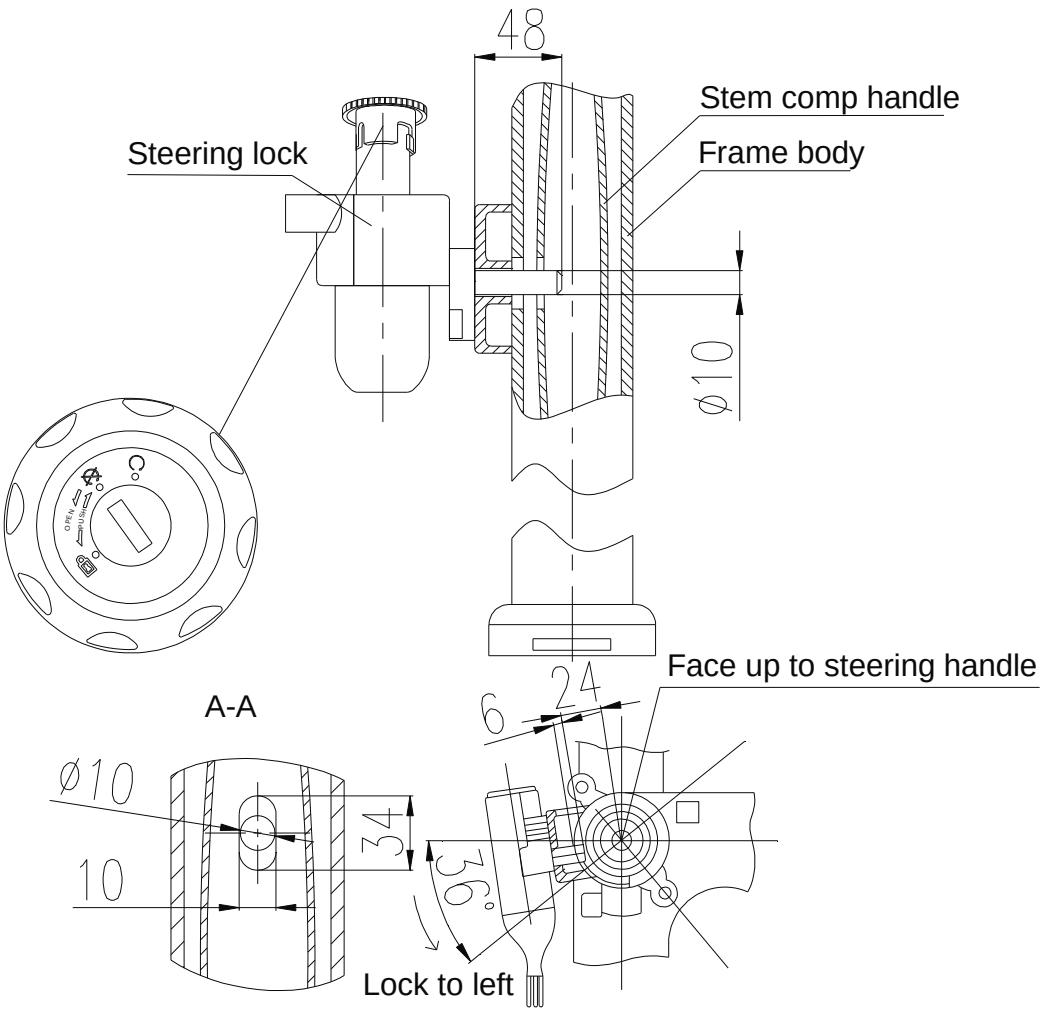
Detail:



Front wheel

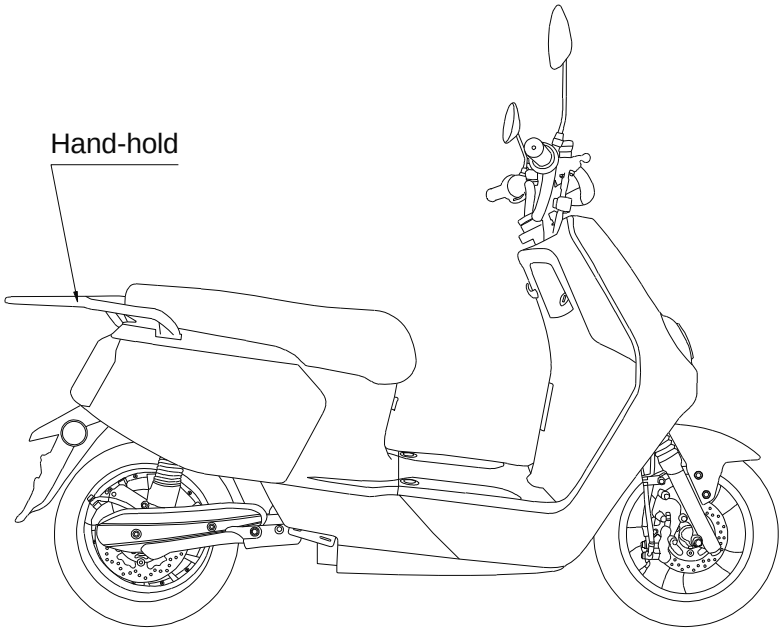
Vehicle Type	H1
Steering geometry	
Drawing No.	H1-25

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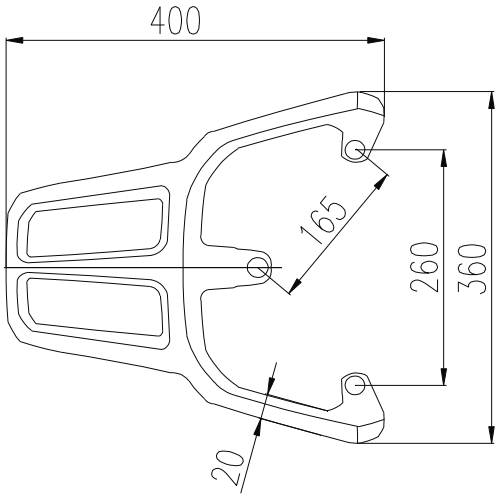


Vehicle Type	H1
Steering lock system	
Drawing No.	H1-26

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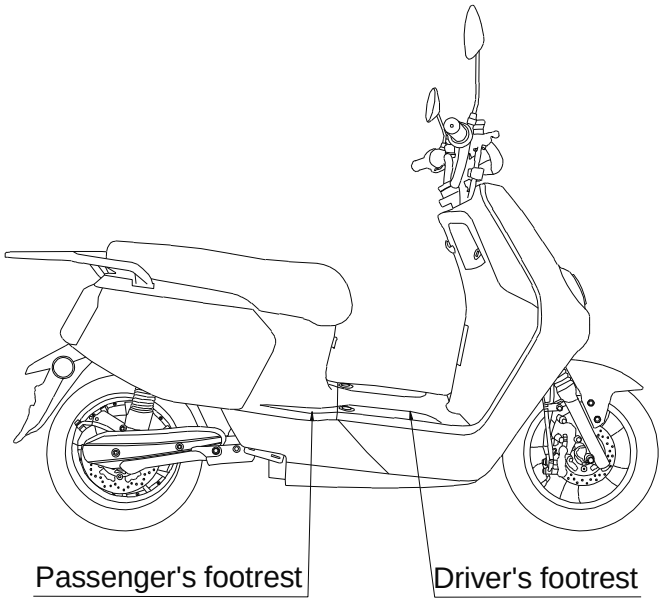


Detail:

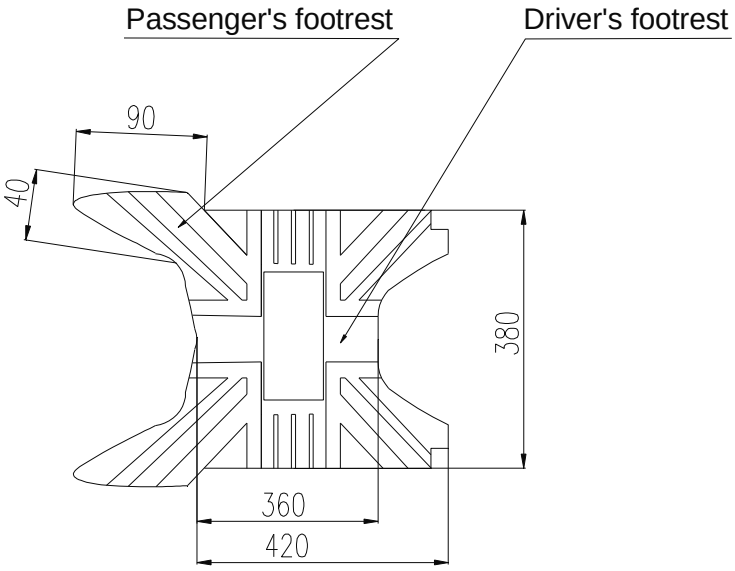


Vehicle Type	H1
Construction and location of passenger hand-hold	
Drawing No.	H1-27

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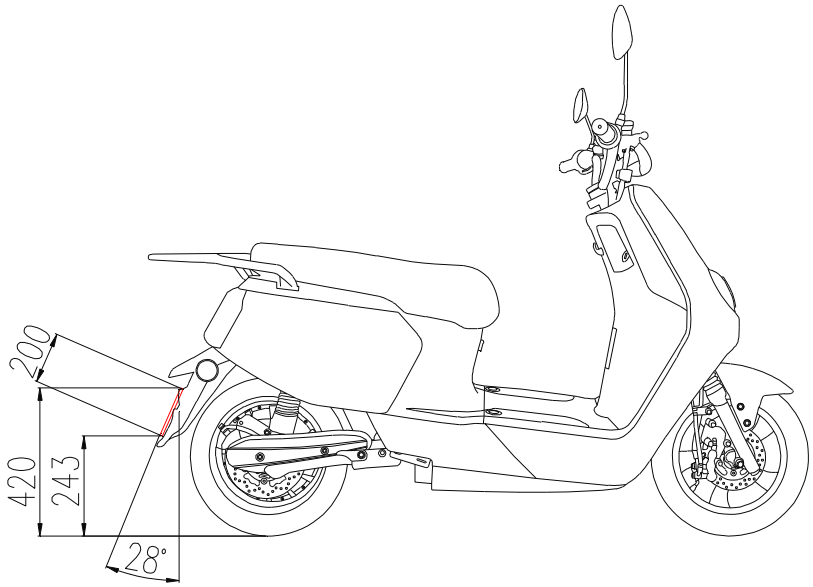


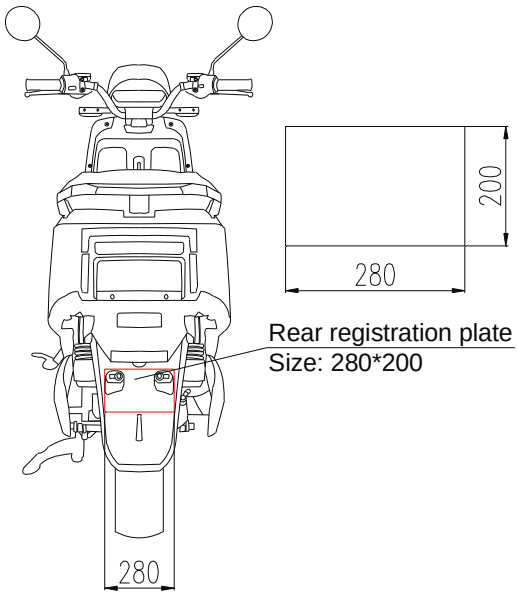
Detail:



Vehicle Type	H1
Construction and location of footrest	
Drawing No.	H1-28

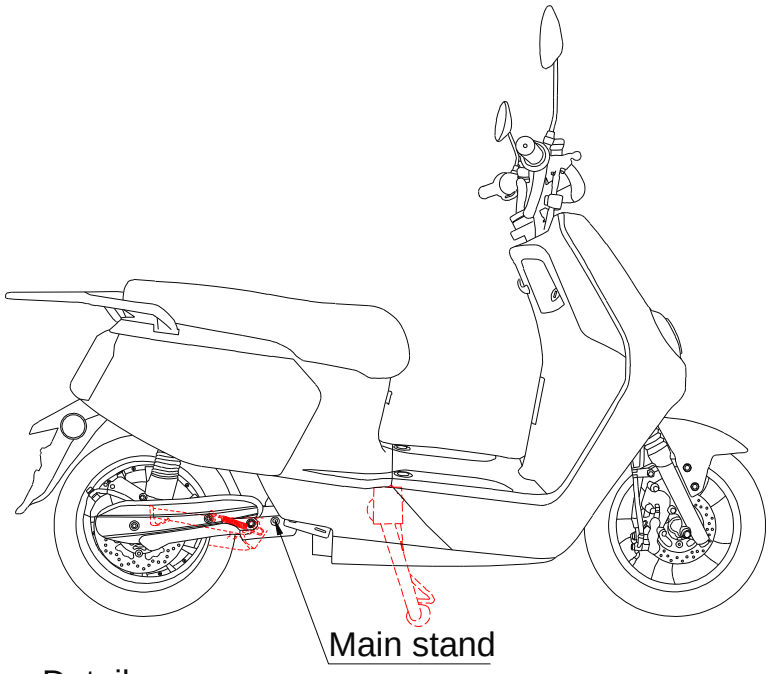
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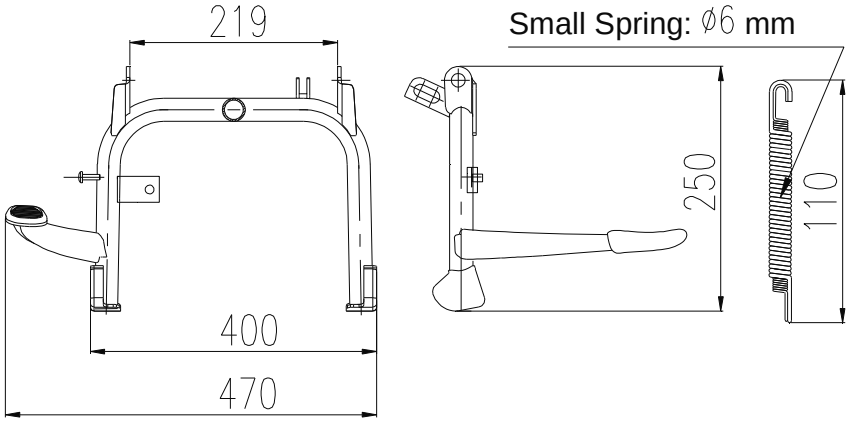
Vehicle Type	H1
Mounting space for rear registration plate	
Drawing No.	H1-29

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Detail:

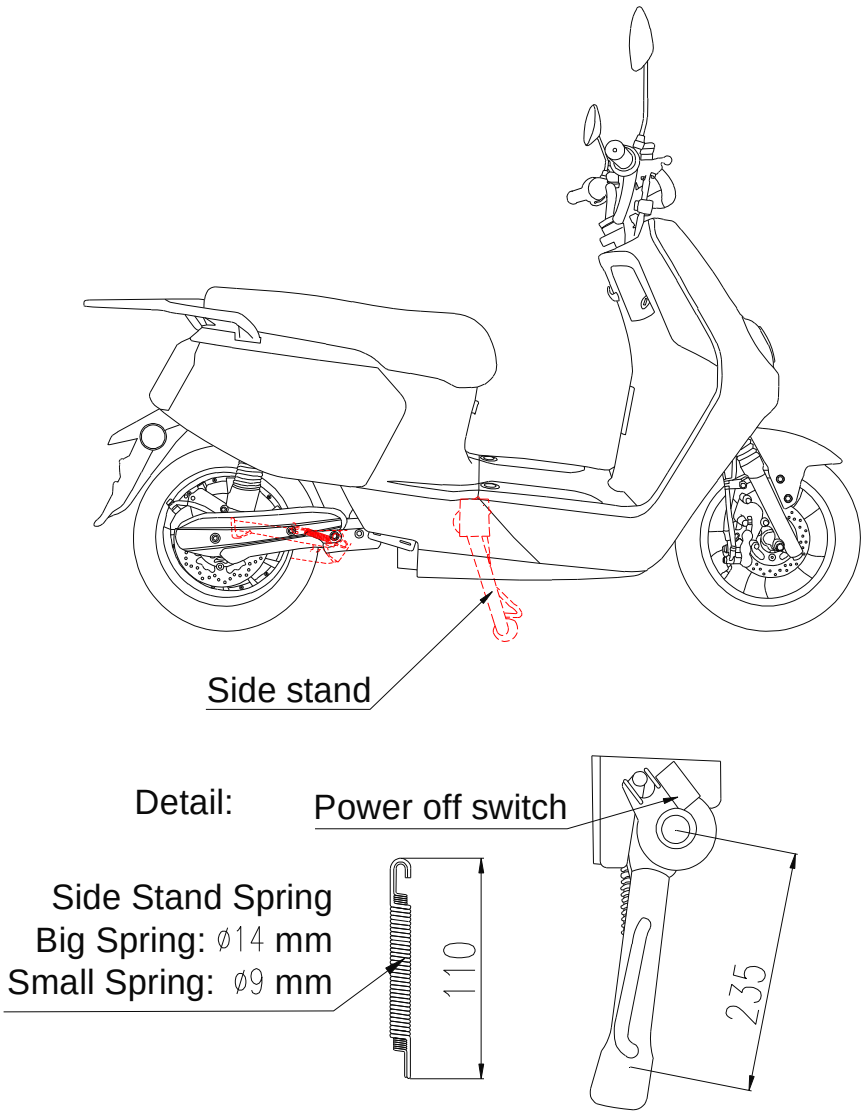
Main Stand Spring
Big Spring: ∅15 mm
Small Spring: ∅6 mm



Vehicle Type	H1
Location of main stand	
Drawing No.	H1-30

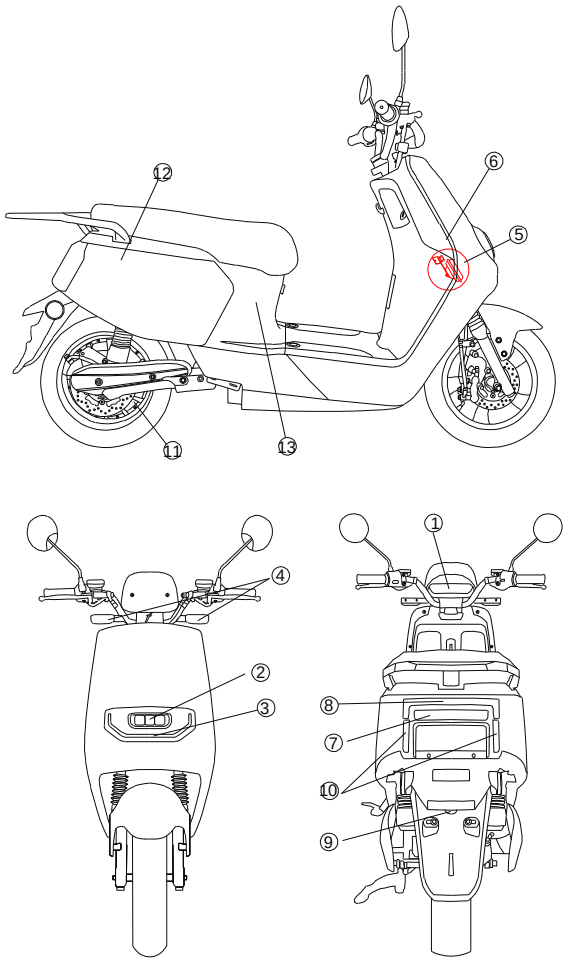
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Information document no.: 168/2013-H1-00
Application date: 20.02.2022



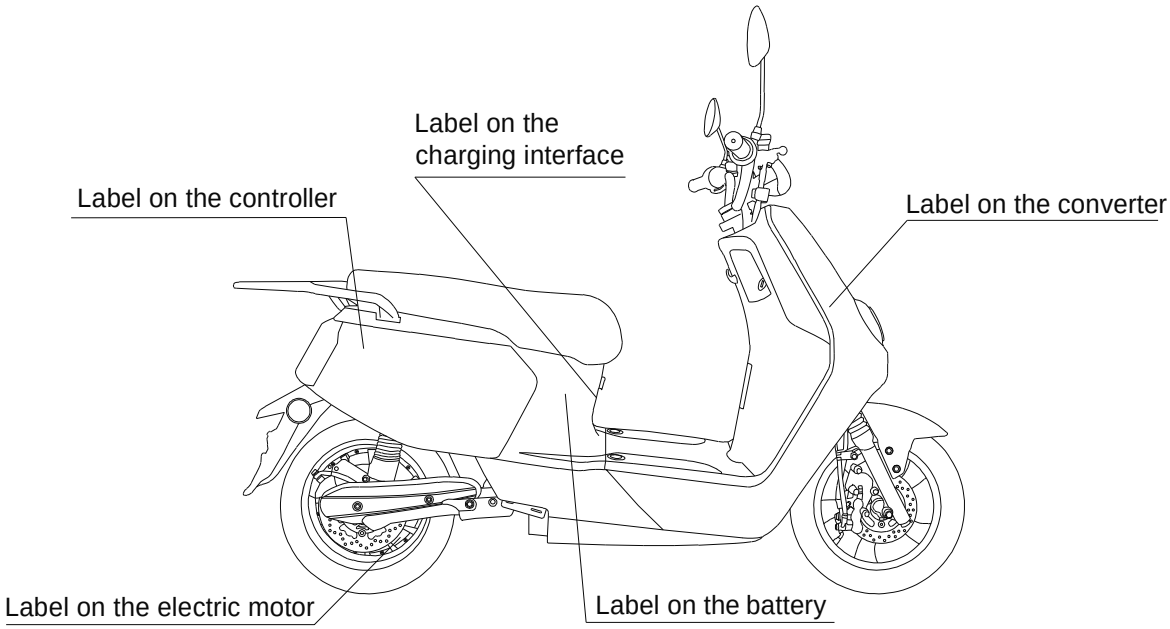
Vehicle Type	H1
Location of side stand	
Drawing No.	H1-31

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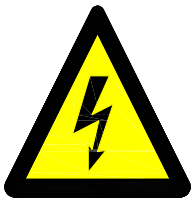


No.	Part Name	No.	Part Name
1	Speedometer	7	Stop lamp
2	Headlamp passing beam/ Headlamp driving beam	8	Rear position lamp
		9	Rear registration plate lamp
3	Front position lamp	10	Rear direction indicators
4	Front direction indicators	11	Electric motor
5	Horn	12	Controller
6	Converter	13	Battery

Vehicle Type	H1
Location of power circuit components	
Drawing No.	H1-32



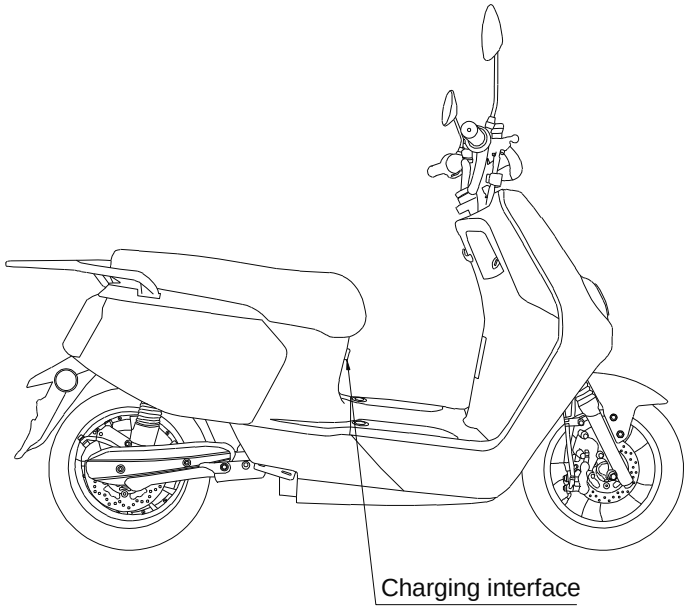
Detail:



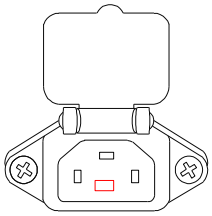
High voltage label

Vehicle Type	H1
Location of high voltage label	
Drawing No.	H1-33

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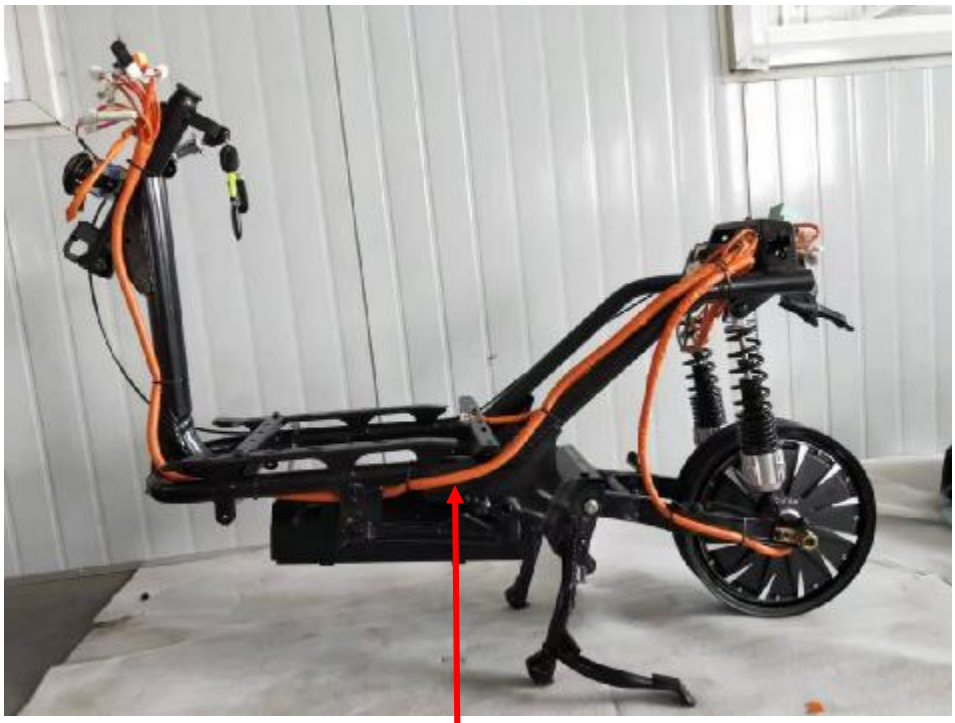


Detail:



Vehicle Type	H1
Location and detail of charging interface	
Drawing No.	H1-34

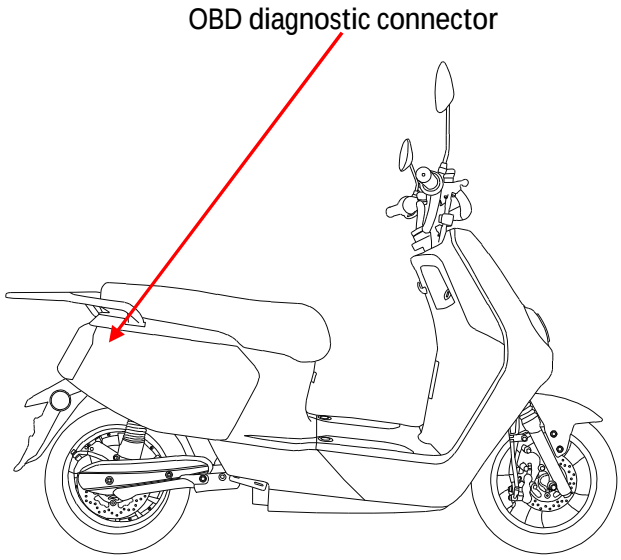
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Société Nationale de Certification et d'Homologation

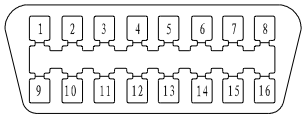


Power wiring harness

Vehicle Type	H1
Power wiring harness	
Drawing No.	H1-35

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OBD Standard connector

Table 1 — General contact allocation

Contact	General allocation
1	Discretionary [a]
2	Bus positive line of SAE J1850 [b]
3	Discretionary [a]
4	Chassis ground
5	Signal ground
6	CAN_H line of ISO 15765-4 [b]
7	K line according to ISO 9141-2 and ISO 14230-4 [b]
8	Discretionary [a]
9	Discretionary [a]
10	Bus negative line of SAE J1850 [b]
11	Discretionary [a]
12	Discretionary [a]
13	Discretionary [a]
14	CAN_L line of ISO 15765-4 [b]
15	L line according to ISO 9141-2 and ISO 14230-4 [b]
16	Permanent positive voltage

[a] Assignment of Contacts 1, 3, 8, 9, 11, 12 and 13 in the vehicle connector is left at the discretion of the vehicle manufacturer.

[b] Note, for Contacts 2, 6, 7, 10, 14 and 15 the related diagnostic communication assignments are shown. These contacts may also be used for alternate assignments in the vehicle connector. See 6.3 and 6.5 for further information.

Vehicle Type	H1
Location of diagnostic connector	
Drawing No.	H1-36

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

MANUFACTURER'S STATEMENT ON ENDURANCE TESTING

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

The undersigned		:	Mr. Qian Sun, Legal person
Company name and address of the manufacturer		:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
Name and address of the manufacturer's representative (if any)		:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy
Hereby states that the vehicles:			
0.1.	Make (trade name of the manufacturer)	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variant(s)	:	0
0.2.2.	Version(s)	:	0
0.2.3.	Commercial name(s) (if available)	:	UFO, H1
0.3.	Category, subcategory and sub-subcategory of vehicle	:	L3e-A1

for which type-approval is sought shall withstand normal use as intended for at least 30,000 km travelled within five years of first registration, taking into account regular and scheduled maintenance and specific equipment adjustments, as described clearly and unambiguously in the instructions manual delivered with the vehicles.

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

This declaration has no bearing on any vehicle warranty.

Place	:	Hong Kong, China
Date	:	20.02.2022
Signature	:	
Name and position in the company	:	Mr. Qian Sun, Legal person

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

MANUFACTURER'S STATEMENT ON STRUCTURE INTEGRITY

(Annex XIX to Commission Delegated Regulation (EU) number 3/2014)

The undersigned	:	Mr. Qian Sun, Legal person
Company name and address of the manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
Name and address of the manufacturer's representative (if any)	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy

Hereby states that the vehicles:

0.1.	Make (trade name of the manufacturer)	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variant(s)	:	0
0.2.2.	Version(s)	:	0
0.2.3.	Commercial name(s) (if available)	:	UFO, H1
0.3.	Category, subcategory and sub-subcategory of vehicle	:	L3e-A1

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

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

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

Place	:	Hong Kong, China
Date	:	20.02.2022
Signature	:	



Name and position in the company	:	Mr. Qian Sun, Legal person

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

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

(Annex III to Regulation (EU) number 168/2013*2020/1694
implemented by Commission Implementing Regulation (EU) no. 901/2014*2020/239)

Reference number	**:**	**H1-OBD-00**
The undersigned	:	Mr. Qian Sun, Legal person
Company name and address of the manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
Name and address of the manufacturer's representative (if any)(1)	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy

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

The following derogation is applied : ~~carry-over systems~~ (1)

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

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

Place	:	Hong Kong, China
Date	:	20.02.2022
Signature	:	
Name and position in the company	:	Mr. Qian Sun, Legal person

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

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Société Nationale de Certification et d'Homologation

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

ADDENDUM 1

to manufacturer's certificate with Reference number: H1-OBD-00
on access to vehicle OBD (stage I) and vehicle repair and maintenance information

List of types of vehicle:

0.2.	Type[2]	:	H1
0.2.1.	Variant(s) [2]	:	0
0.2.2.	Version(s) [2]	:	0
0.2.3.	Commercial name(s) (if available)	:	UFO, H1
0.3.	Category, subcategory and sub-subcategory of vehicle[3]	:	L3e-A1
1.	Type-approval number including extension number (if available)	:	e13*168/2013*?????*00
1.1.	Type-approval issued on (date, if available)	:	Not applicable

List of the types of engines:

3.	~~Combustion engine~~/electric motor/ ~~hybrid application~~[1] code	:	ZF72V20TT
3.1.	Type-approval number (if available)	:	Not applicable
3.2.	Type-approval issued on (date, if available)	:	Not applicable

List of the types of pollution-control devices:

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

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

ADDENDUM 2

to manufacturer's certificate with Reference number: H1-OBD-00
on access to vehicle OBD (stage I) and vehicle repair and maintenance information

Web site addresses referred to in this certificate:
www.zhongfamotor.com

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ANCHI MOTORCYCLE TECHNOLOGY LIMITED

ADDENDUM 3

to manufacturer's certificate with Reference number: H1-OBD-00
on access to vehicle OBD (stage I) and vehicle repair and maintenance information

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

Name: GREENKAR AUTOMOTIVE SRL

Address: Via di Quarto Peperino 22 I-00188 Roma (RM) Italy

Name and position in the company: LARA VAGNOZZI / Representative

TEL：+39.06.3328285

Email: segreteria@greenkarautomotive.it; greenkar@legalmail.it

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

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

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

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

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

0.4.	Company name and address of the manufacturer	:	ANCHI MOTORCYCLE TECHNOLOGY LIMITED ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
0.4.2.	Name and address of the manufacturer's representative (if any)	:	GREENKAR AUTOMOTIVE SRL Via di Quarto Peperino 22 I-00188 Roma (RM) Italy
	Hereby declares that the vehicles:		
0.1.	Make (trade name of the manufacturer)	:	PINGANDAYUN
0.2.	Type	:	H1
0.2.1.	Variant(s)	:	0
0.2.2.	Version(s)	:	0
0.2.3.	Commercial name(s) (if available)	:	UFO, H1
0.3.	Category, subcategory and sub-subcategory of vehicle	:	L3e-A1

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Société Nationale de Certification et d'Homologation

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

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

and that

The manufacturer-facilitated modifications of the following characteristics:

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

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

Hong Kong, China	20.02.2022
Place	Date



	Mr. Qian Sun, Legal person
Signature	Name and position in the company

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

Date: 20.02.2022
Place: Hong Kong, China

STATEMENT CONCERNING AUTHORITY OF SIGNATURE ON COC PAPER

We, ANCHI MOTORCYCLE TECHNOLOGY LIMITED, declare that the undersigned, Mr. Qian Sun, the legal person of our company, will be the authorized person to sign the COC paper of the vehicles.

Type: H1

Specification of signature of COC:



Mr. Qian Sun, Legal person

ANCHI MOTORCYCLE TECHNOLOGY LIMITED

e13*168/2013*1410*00
Société Nationale de Certification et d'Homologation

COMPLETE VEHICLE
EU CERTIFICATE OF CONFORMITY

The undersigned, Mr. Qian Sun, Legal person
Hereby certifies that the following complete vehicle:

0.1. Make (trade name of the manufacturer): PINGANDAYUN

0.2. Type: H1

0.2.1. Variant: 0

0.2.2. Version: 0

0.2.3. Commercial name (if available): UFO, H1

0.3. Category, subcategory and sub-subcategory of vehicle: L3e-A1

0.4. Company name and address of manufacturer:
ANCHI MOTORCYCLE TECHNOLOGY LIMITED
ROOM 8, 11/F, WANG FAI INDUSTRIAL BUILDING, 29 LUK HOP STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA

0.4.2. Name and address of manufacturer's authorized representative (if any):
GREENKAR AUTOMOTIVE SRL
Via di Quarto Peperino 22 I-00188 Roma (RM) Italy

0.5.1. Location of the manufacturer's statutory plate(s): R, x900, y150, z260

0.5.2. Method of attachment of the manufacturer's statutory plate(s): Riveted on the chassis

0.6. Location of the vehicle identification number: R, x340, y5, z520(r/o)

1. Vehicle identification number: ☆R750H11B??Z??????☆

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

Hong Kong, China

Place

XX,XX,XXXX

Date

(signature)

General construction characteristics

1.3.	Number of axles:	2	and wheels:	2
1.3.1.	Axles with twinned wheels :	N.A		
1.3.2.	Powered axles:	R		

6.2.4. Advanced braking system: ~~ABS /~~ CBS ~~/ Both ABS and CBS / None~~: CBS

Main dimensions

2.2.1.	Length:	1850 mm
2.2.2.	Width:	760 mm
2.2.3.	Height:	1180 mm
2.2.4.	Wheelbase:	1310 mm
2.2.4.1.	Wheelbase sidecar:	N.A.
2.2.5.	Track width:	N.A.
2.2.5.1.	Track width front:	N.A.
2.2.5.2.	Track width rear:	N.A
2.2.5.3.	Track width sidecar:	N.A.
2.2.10.6.	Ground clearance between the axles:	N.A.
2.2.15.	Wheelbase to ground clearance ratio:	N.A.
2.2.17.	Seat height:	N.A.

Masses

2.1.1.	Mass in running order:	67 kg
2.1.2.	Actual mass:	163 kg
2.1.3.	Technically permissible maximum laden mass:	238 kg
2.1.3.1.	Technically permissible maximum mass on front axle:	87 kg
2.1.3.2.	Technically permissible maximum mass on rear axle:	151 kg
2.1.3.3.	Technically permissible maximum mass on sidecar axle:	N.A.
2.1.7.	Technically permissible maximum towable mass:	
	Braked: N.A. Unbraked: N.A.	
2.1.7.1.	Technically permissible maximum laden mass of the combination:	N.A.
2.1.7.2.	Technically permissible maximum mass at the coupling point:	N.A.

Powertrain

3.1.1.1.	Manufacturer: N.A.	
3.1.1.2.	Engine code (as marked on the engine or other means of identification): N.A.	
3.2.1.2.	Working principle of the combustion engine: ~~internal combustion engine (ICE)/positive ignition/compression ignition/external combustion engine (ECE)/turbine/compressed air~~	
3.2.1.4.1.	Number of cylinders:	N.A.
3.2.1.4.2.	Arrangement of cylinders:	~~LI / V / O / S~~
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~~
3.2.3.2.1.	Maximum amount of bio-fuel acceptable in fuel:	N.A.

3.1.2.1. Manufacturer: Zhejiang Quanshun Electric Drive Technology Co., Ltd.
3.1.2.2. Electric motor code (as marked on the engine or other means of identification): ZF72V20TT ?????????
3.3.3.4. ~~15~~/30 minutes power: 1.5 kW
3.1.3.1. Manufacturer: N.A.
3.1.3.2. Application code (as marked on the engine or other means of identification): N.A.
3.3.1. Electric vehicle configuration: pure electric~~/hybrid electric/manpower electric~~
3.3.5.2. Category of hybrid electric vehicle: ~~off-vehicle charging/not off-vehicle charging~~
3.9.2. Maximum assistance factor: N.A.

Maximum speed

1.8. Maximum speed of vehicle: 72 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: 90/90-12 54J Axle 2: 90/90-12 54J
Minimum Load capacity index:
Axle 1: 23 Axle 2: 43
Minimum speed category symbol:
Axle 1: F Axle 2: F
Recommended pressure:
Axle 1: 250 kPa Axle 2: 250 kPa
Rim size:
Axle 1: 2.15-12 Axle 2: 2.15-12
Sidecar wheel: N.A.

Bodywork

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

Coupling devices

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

Environmental performance

4.0.1. Environmental step: Euro 5 ~~(3/4~~/5/~~5+)~~[4]
4.0.6. Sound level measured according to Reg. (RU) 134/2014 including amendment Reg.(EU) 2018/295: N.A.
4.0.6.1. Stationary: N.A.
4.0.6.2. Drive-by : N.A.
4.0.6.3. Limit value for L_{urban}: N.A.

3.2.15. Exhaust emissions measured according to Reg. (RU) 134/2014 including amendment Reg.(EU) 2018/295: N.A.

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.
HC+Nox: N.A.
PM: N.A.

3.2.15.2 Type II test: tailpipe emissions at (increased) idle and free acceleration:
HC: N.A. ppm at normal idling speed and: N.A. ppm at high idle speed
CO: N.A. %vol at normal idling speed and: N.A. %vol at high idle speed

3.2.15.3. Smoke corrected absorption coefficient: N.A.

Energy efficiency

4.0.2. Fuel consumption: N.A.
4.0.3. CO_2 emissions: N.A.
4.0.4. Energy consumption: 30 Wh/km
4.0.5. Electric range: 155 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~~/no

Additional information:

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