GRAND-DUCHÉ DE LUXEMBOURG

Ministère du Développement durable et des Infrastructures
Département des Transports

L-2938 Luxembourg

SOCIÉTÉ NATIONALE DE CERTIFICATION ET D'HOMOLOGATION
s.à r.l.
Registre de Commerce: B 27180

L-5201 Sandweiler

Référence: e13*168/2013*00462*00

Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Luxembourg, le 30 mai 2018

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° …/…**~~
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° …/…~~
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*00462*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):	SURRON, LIGHT BEE
0.2.	**Type:** Type:	QL3000DY-2
0.2.1.	**Variante(s):** Variant(s):	not applicable
0.2.2.	**Version(s):** Version(s):	not applicable
0.2.3.	**Appellation(s) commerciale(s) (le cas échéant):** Commercial name(s) (if available):	LIGHT BEE
0.3.	**Catégorie, sous-catégorie et sous-sous-catégorie du véhicule:** Category, subcategory and sub-subcategory of vehicle:	L1e-B
0.4.	**Raison sociale et adresse du constructeur du véhicule complet:** Company name and address of manufacturer of the complete vehicle:	Tibet New Summit Motor Co., Ltd. No.65, Beijing Middle Road, Lasa City, Tibet Autonomous Region, 850000, China
0.4.1	**Nom(s) et adresse(s) de(s) usines d'assemblage:** Name(s) and addresse(s) of assembly plant(s):	Chongqing Qiulong Technology Co., Ltd. Qiezixi city industrial zones, Dadukou District, Chongqing City China, 400082
0.4.2.	**Nom et adresse du mandataire du constructeur (le cas échéant):** Name and address of manufacturer's authorised representative, if any:	KOHLA AB Bondegatan 21, 11633 Stockholm, Sweden

SECTION II
SECTION II

1.	**Service technique responsable de la réalisation des essais:** Technical service responsible for carrying out the tests:	TÜV Rheinland Luxemburg GmbH 2a, Kalchesbruck L-1852 Luxembourg
2.	**Date du rapport d'essais:** Date of test report:	07.05.2018
3.	**Numéro du rapport d'essais:** Number of test report:	89-168/2013-260/18-00

SECTION III
SECTION III

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

The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle type described above, for which one or more representative samples, selected by the EU type-approval authority, have been submitted as prototypes of the vehicle type and that the attached test results apply to the vehicle type.

1.	**Le type de véhicule complet satisfait/ ~~ne satisfait pas~~ à l'ensemble des prescriptions pertinentes énumérées dans l'annexe II du règlement (UE) N° 168/2013.** The complete vehicle type meets/~~does not meet~~ all relevant requirements as listed in Annex II to Regulation (EU) N° 168/2013.	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) N° 168/2013 et sa validité expire, par conséquent, le jj/mm/aaaa.** The approval is granted in accordance with Article 40 of Regulation (EU) N° 168/2013 and the validity of the approval is thus limited to dd/mm/yyyy.	not applicable

Lieu:
Place: Luxembourg

Date:
Date: 30 mai 2018

Signature:
Signature:

Pour le Ministre du Développement durable et des Infrastructures

Marco FELTES
Inspecteur Principal 1er en rang

Pour la SNCH

Laurent LINDEN
Attaché de Direction

Pièces jointes:
Attachments:

- **Dossier de réception**
  Information package
- **Résultats d'essai**
  Test results
- **Nom(s) et spécimen(s) de signature de la ou des personnes autorisées à signer les certificats de conformité et indication de leurs fonctions dans la société**
  Name(s) and specimen(s) of the signature(s) of the person(s) authorised to sign certificates of conformity and a statement of their position in the company
- **Spécimen complété du certificat de conformité**
  A completed specimen of the certificate of conformity

NB:
NB: not applicable

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

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

refer to Appendix 1 - Page 10 to 13 of test report N° 89-168/2013-260/18-00

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Annexes: - Rapport technique
- Fiche de renseignements du constructeur

Luxembourg, le 30 mai 2018

Index du dossier de réception

Index to type-approval report

Numéro de réception:
Approval number: e13*168/2013*00462*00

Révision:
Revision: 00

Marque de fabrique ou de commerce:
Trade name or mark: SURRON, LIGHT BEE

Type:
Type: QL3000DY-2

1. Procès-verbal d'essai:
Test report: N° 89-168/2013-260/18-00

- Test report:	Page 1 to 6;
- Technical information:	Appendix L - Page 7 & 8;
- List of modifications:	Appendix 0 - Page 9;
- Addendum to the EU type approval certificate:	Appendix 1 - Page 10 to 13;
- Information of test reports by subject:	Appendix 2 - Page 14 to 22;
- Test minutes braking system:	Appendix 3 - Page 23 to 26;
- Test minutes audible warning device:	Appendix 4 - Page 27;
- Test minutes lighting installation:	Appendix 5 - Page 28;
- Test minutes max. engine power and torque:	Appendix 6 - Page 29 & 30;
- Test minutes tyre installation:	Appendix 7 - Page 31 & 32;
- Test minutes electromagnetic compatibility:	Appendix 8 - Page 33 to 40;
- Test minutes noise-measuring:	Appendix 9 - not applicable;
- Test minutes speedometer:	Appendix 10 - Page 41 & 42;
- Test minutes fuel tank:	Appendix 11 - not applicable;
- Test minutes passenger handholds and footrests:	Appendix 12 - Page 43;
- Test minutes steer-ability:	Appendix 13 - Page 44;
- Test minutes of external projections:	Appendix 14 - Page 45;
- Test minutes masses and dimensions:	Appendix 15 - Page 46;
- Test minutes of maximum speed:	Appendix 16 - Page 47.

2.	**Dossier du constructeur:**	
	Report of the manufacturer:	N° 168/2013-QL3000DY-2-00
	- List of content :	Page 1 & 2.
	- Information document:	Page 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 & 33;
	- Technical documentation:	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:	30.05.2018
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

GRAND-DUCHÉ DE LUXEMBOURG

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Référence: e13*168/2013*00462*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Luxembourg, le 30 mai 2018

Annexe VIII
Annex VIII

Fiche des résultats d'essais
Test results sheet

refer to Appendix 2 - Page 14 to 22 of test report N° 89-168/2013-260/18-00

TEST REPORT

According to Council Directive on the approximation of
the laws of the Member States relating to the

Type-approval

of two or three-wheel motor vehicles

No.: **Regulation (EU) No 168/2013**

as last amended by

No.: **Regulation (EU) No 134/2014**
as last amended by **Regulation (EU) No 2018/295**

Previously granted		
EC type – approval	:	e13*168/2013*00462*00 (reserved)

Structure of the Test Report:

0. General information
1. Tested vehicle(s)
2. Test record
3. List of appendices
4. Statement of conformity

0. General information

0.1.	Make (trade name of the manufacturer)	: SURRON; LIGHT BEE
0.2.	Type	: QL3000DY-2
0.3.	Category, subcategory of vehicle	: L1e-B
0.4.	Name and address of the manufacturer	: Tibet New Summit Motor Co., Ltd. No.65, Beijing Middle Road, Lasa City, Tibet Autonomous Region, 850000, China
0.5.	No. of the information folder -Date of issue -Date of last change	: 168/2013-QL3000DY-2-00 : Dec. 18, 2017 : --

1. Tested vehicle(s)

1.1.	Description	
1.1.1	Vehicle	: Two wheel moped
	Commercial description	: LIGHT BEE
	Type / variant(s) / version(s)	: QL3000DY-2 / ---/ ---
	Identification number	: LB7KT0104HC326008(prototype vehicle) Engine no.: 20171212082
1.1.2	Condition of vehicle(s)	: New, ~~used, pretested~~
1.2.	Worst case selection	: The determination of worst case scenario was done according QMA 1.301.005, section 6.2.2.2.
1.3.	Remarks	: All versions of the vehicle type as stated in the information folder are covered by the tested vehicle version(s) respectively.

2. Test record

2.1.	Equipment for measuring and testing	: The test facilities / measurement equipment used were in compliance with the test requirements.
2.1.1	Specifications for the test site	: Refer to the relevant Appendices
2.1.2	Subcontracting	: Not applicable
2.2.	Test results	: See Appendix 2
	Remarks concerning extension	: ~~The vehicle type has been tested according to the modification(s) mentioned in appendix 0.~~ ~~The new parts meet the requirements of the Regulations.~~ ~~An actual practical test of the vehicle was not necessary. The results of the previous test(s) are still valid.~~
2.2.1	Measurements	: All measurement results are listed and referred to the respective limit(s) with judgment.
2.2.2	Alternative test provisions	: Not applicable
2.2.3	Attributive tests	: Not applicable
2.3.	Additional information	: The results of the test refer exclusively to the object(s) mentioned under point 1.1. of this report.
	Test site	: Motorcycle Test Technology Institute of China South Industries Group Corporation Xi`an, P.R.China
	Test date	: Mar. 27, 2018 to Apr. 25, 2018
2.4.	Remarks	: --

3. List of Appendices

4. Statement of conformity

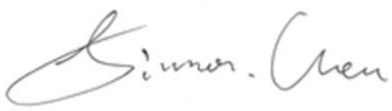
The in section 0.5. mentioned information document and the type described in that comply with the requirements mentioned on page 1.

With regard to the required level of performance to be achieved, the tested samples were representative for the type to be approved (see section 1.2).

The mentioned test results refer to the vehicle(s)/object(s) described under section 1.1 of this report.

Engineering Center, Shanghai, May 07, 2018

MSC



Simon Chen
Expert Technical Service

Technical information about the vehicle type according to the Type-Approval Form of Annex III of the Communication concerning EC type approval **Appendix L**

SECTION I

0.1.	Make (trade name of manufacturer)	:	SURRON; LIGHT BEE
0.2.	Type (2)	:	QL3000DY-2
0.2.1.	Variant(s) (2)	:	---
0.2.2.	Version(s) (2)	:	---
0.2.3.	Commercial name(s) (if available)	:	LIGHT BEE
0.3.	Category, subcategory and sub-subcategory of vehicle	:	L1e-B
0.4.	Company name and address of manufacturer of the complete vehicle	:	Tibet New Summit Motor Co., Ltd. No.65, Beijing Middle Road,Lasa City, Tibet Autonomous Region, 850000, China
0.4.1.	Name(s) and address(es) of assembly plants	:	Chongqing Qiulong Technology Co., Ltd. Qiezixi city industrial zones, Dadukou District, Chongqing City China, 400082
0.4.2.	Name and address of manufacturer's authorised representative, if any	:	KOHLA AB Bondegatan 21, 11633 Stockholm,Sweden

SECTION II

1.	Technical service responsible for carrying out the tests	:	TÜV Rheinland Luxemburg GmbH 2a, Kalchesbruck L – 1852 Luxemburg
2.	Date of test report	:	May 07, 2018
3.	Number of test report	:	89-168/2013-260/18-00

SECTION III

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. The complete vehicle type meets / ~~does not meet~~ (1) all relevant requirements as listed in Annex II to Regulation (EU) No 168/2013.

1.1. Restrictions of validity (1) (6) : Not applicable

1.2. Waivers applied (1) (6) (7) : Not applicable

1.2.1. Reasons for the waivers (1) (7) : Not applicable

1.2.2. Alternative requirements (1) (7) : Not applicable

List of modifications

Appendix 0

Correction of : --

Modification of : --

Addition of : --

Deletion of : --

Addendum to the EU type-approval certificate

Appendix 1

item	Subject	Regulatory act reference	As amended by	ECE test procedure	ECE approval number	Variant / version	Compliance	Remark
ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE REQUIREMENTS (EPPR)								
1	Tailpipe emissions after cold start	Commission Delegated Regulation (EU) No 134/2014 Annex II	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
2	Tailpipe emissions at (increased) idle/ free acceleration	Commission Delegated Regulation (EU) No 134/2014 Annex III	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
3	Emissions crankcase gases	Commission Delegated Regulation (EU) No 134/2014 Annex IV	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
4	Evaporative emissions	Commission Delegated Regulation (EU) No 134/2014 Annex V	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
5	Durability of pollution-control devices	Commission Delegated Regulation (EU) No 134/2014 Annex VI	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
6	CO2 emissions, fuel consumption, electric energy consumption and electric range	Commission Delegated Regulation (EU) No 134/2014 Annex VII	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
7	OBD Environmental tests	Commission Delegated Regulation (EU) No 134/2014 Annex VIII	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
8	Sound level	Commission Delegated Regulation (EU) No 134/2014 Annex IX	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
9	Procedures and technical requirements on maximum vehicle design speed, maximum torque, maximum continuous total power and maximum peak power	Commission Delegated Regulation (EU) No 134/2014 Annex X	Commission Delegated Regulation (EU) No 2018/295	R85-00	N.A.	all	Comply	--
10	Vehicle propulsion family definition	Commission Delegated Regulation (EU) No 134/2014 Annex XI	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--

VEHICLE FUNCTIONAL SAFETY REQUIREMENTS (VFSR)								
1	Audible warning devices	Commission Delegated Regulation (EU) No 3/2014 Annex II	Commission Delegated Regulation (EU) No 2016/1824	R28-00	N.A.	all	Comply	--
2	Braking, including anti-lock and combined brake systems	Commission Delegated Regulation (EU) No 3/2014 Annex III	Commission Delegated Regulation (EU) No 2016/1824	R78-03	N.A.	all	Comply	--
3	Electrical safety	Commission Delegated Regulation (EU) No 3/2014 Annex IV	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	all	Comply	--
4	Manufacturer declaration requirements regarding endurance testing of functional safety-critical systems, parts and equipment	Commission Delegated Regulation (EU) No 3/2014 Annex V	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	all	Comply	--
5	Front and rear protective structures	Commission Delegated Regulation (EU) No 3/2014 Annex VI	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	N.A.	N.A.	--
6	Glazing, windscreen wipers and washers, and defrosting and demisting systems	Commission Delegated Regulation (EU) No 3/2014 Annex VII	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	N.A.	N.A.	--
7	Driver-operated controls including identification of controls, tell-tales and indicators	Commission Delegated Regulation (EU) No 3/2014 Annex VIII	Commission Delegated Regulation (EU) No 2016/1824	R60-00	N.A.	all	Comply	--
8	Installation of lighting and light- signalling devices, including automatic switching of lighting	Commission Delegated Regulation (EU) No 3/2014 Annex IX	Commission Delegated Regulation (EU) No 2016/1824	R74-01	N.A.	all	Comply	--
9	Rearward visibility	Commission Delegated Regulation (EU) No 3/2014 Annex X	Commission Delegated Regulation (EU) No 2016/1824	R81-00	N.A.	all	Comply	--
10	Rollover protective structure (ROPS)	Commission Delegated Regulation (EU) No 3/2014 Annex XI	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	N.A.	N.A.	--
11	Safety-belt anchorages and safety- belts	Commission Delegated Regulation (EU) No 3/2014 Annex XII	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	N.A.	N.A.	--
12	Seating positions (saddles and seats)	Commission Delegated Regulation (EU) No 3/2014 Annex XIII	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	all	Comply	--

13	Steer-ability, cornering properties and turn-ability	Commission Delegated Regulation (EU) No 3/2014 Annex XIV	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	all	Comply	--
14	Installation of tyres	Commission Delegated Regulation (EU) No 3/2014 Annex XV	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	all	Comply	--
15	Vehicle maximum speed limitation plate and its location on the vehicle	Commission Delegated Regulation (EU) No 3/2014 Annex XVI	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	N.A.	N.A.	--
16	Vehicle occupant protection, including interior fittings and vehicle doors	Commission Delegated Regulation (EU) No 3/2014 Annex XVII	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	N.A.	N.A.	--
17	Maximum continuous total power and/or maximum vehicle speed limitation by design	Commission Delegated Regulation (EU) No 3/2014 Annex XVIII	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	all	Comply	--
18	Requirements on vehicle structure integrity	Commission Delegated Regulation (EU) No 3/2014 Annex XIX	Commission Delegated Regulation (EU) No 2016/1824	N.A.	N.A.	all	Comply	--

VEHICLE CONSTRUCTION AND GENERAL TYPE-APPROVAL REQUIREMENTS (VCR)								
1	Powertrain tampering prevention measures (anti-tampering)	Commission Delegated Regulation (EU) No 44/2014 Annex II	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
2	Arrangements for type-approval procedures	Commission Delegated Regulation (EU) No 44/2014 Annex III	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
3	Conformity of production	Commission Delegated Regulation (EU) No 44/2014 Annex IV	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
4	Coupling devices and attachments	Commission Delegated Regulation (EU) No 44/2014 Annex V	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
5	Devices to prevent unauthorised use	Commission Delegated Regulation (EU) No 44/2014 Annex VI	Commission Delegated Regulation (EU) No 2018/295	R62-00	N.A.	all	Comply	--
6	Electromagnetic compatibility (EMC)	Commission Delegated Regulation (EU) No 44/2014 Annex VII	Commission Delegated Regulation (EU) No 2018/295	R10-04	N.A.	all	Comply	--
7	External projections	Commission Delegated Regulation (EU) No 44/2014 Annex VIII	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
8	Fuel storage	Commission Delegated Regulation (EU) No 44/2014 Annex IX	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
9	Load platforms	Commission Delegated Regulation (EU) No 44/2014 Annex X	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
10	Masses and dimensions	Commission Delegated Regulation (EU) No 44/2014 Annex XI	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
11	On-board diagnostics (OBD) functional requirements	Commission Delegated Regulation (EU) No 44/2014 Annex XII	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	N.A.	N.A.	--
12	Passenger handholds and footrests	Commission Delegated Regulation (EU) No 44/2014 Annex XIII	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
13	Registration plate space	Commission Delegated Regulation (EU) No 44/2014 Annex XIV	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
14	Access to repair and maintenance information	Commission Delegated Regulation (EU) No 44/2014 Annex XV	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--
15	Stands	Commission Delegated Regulation (EU) No 44/2014 Annex XVI	Commission Delegated Regulation (EU) No 2018/295	N.A.	N.A.	all	Comply	--

Minimum information of the test reports by subject — Appendix 2

2.2.1.	(A) Environmental and propulsion unit performance	
2.2.1.1.	Generic information on environmental performance	
	The test report shall contain the following generic test data (only needed once per test type)	
2.2.1.1.1.	Description of propulsion, propulsion family and drive-train of test vehicle(s)	: See information document
2.2.1.1.2.	Environmental step of test vehicle: Euro 3, Euro 4, Euro 5	: N.A.
2.2.1.1.3.	Description of emission test bench(es), specifications and settings	: N.A.
2.2.1.1.4.	Chassis/engine dynamometer(s) specifications	: Make: SNT Type: ACD-075B106MC Serial number: 31120120902
2.2.1.1.5.	Inertia (reference) mass and running resistance settings for single/~~dual~~ roll chassis dynamometer	
	- Equivalent inertia mass	: 130 kg
	- Rolling resistance of front wheel	: 11.4 N
	- Aerodynamic drag coefficient	: 0.0220 N/(km/h)^2
2.2.1.1.6.	Comprehensive report of road test results for the determination of test bench settings, including coast down times for single/~~dual~~ roll chassis dynamometer	: Not applicable
2.2.1.1.7.	Applicable test type I driving schedule (ECE R40 (with/without EUDC), ECE R47, WMTC stage 1, WMTC stage 2, revised WMTC)	: ECE R47
2.2.1.1.8.	Description gearshift prescriptions for environmental testing	: Not applicable
2.2.1.2.	Test type I: requirements: tailpipe emissions after cold start The following items specific to test type I shall be provided	: Not applicable

2.2.1.3.	Test type II requirements: tailpipe emissions at (increased idle)/free acceleration	: Not applicable
2.2.1.4.	Test type III requirements: emissions of crank-case gases	: Not applicable
2.2.1.5.	Type IV test requirements: evaporative emissions	: Not applicable
2.2.1.6.	Test type V requirements: durability of pollution-control devices	: Not applicable
2.2.1.7.	Test type VI has not been assigned; consequently there are no results to be submitted	: Not applicable
2.2.1.8.	Test type VII requirements: measurement of CO_2 emissions, fuel consumption, electric energy consumption and electric range determination	
2.2.1.8.1.	Details of test vehicle(s), its powertrain and pollution-control devices explicitly documented and listed, emission test laboratory equipment and settings if different from data reported under items 2.1.2.1.1. to 2.1.2.1.10.	: Not applicable
2.2.1.8.2.	Documentation added according to UNECE Regulation No 101 (OJ L 138, 26.5.2012, p. 1)	: ~~Yes~~/no
2.2.1.8.3.	The vehicle manufacturer has ensured that the CO_2 emissions, fuel consumption, electric energy consumption and electric range data are provided to the buyer of the vehicle at the time of purchase of a new vehicle	: Yes/~~no~~
2.2.1.8.4.	A completed specimen of the test type VII result format used to inform the buyer of the new vehicle is added to the information document	: Yes/~~no~~
2.2.1.8.5.	Type VII test results, where applicable and for each reference fuel tested	: Not applicable
2.2.1.8.6.	CO_2 emissions and fuel consumption	: Not applicable

2.2.1.8.7.	CO_2 emissions/fuel consumption (manufacturer's declared values)	: Not applicable
	Electric energy consumption and electric range	: See Table 5-9

Table 5-9
Test type VII result table for pure electric propulsion or equipped with not-externally-chargeable (NOVC) electric motor for propulsion

	Measured electric energy consumption (Wh/km)	Declared electric energy consumption (Wh/km)	Measured electric range (km)	Declared electric range (km)
Pure electric powertrain	27.6	27	69.9	69
NOVC hybrid electric powertrain	---	---	---	---

2.2.1.9.	Test type VIII requirements: environmental on-board diagnostic (OBD)	: Not applicable
2.2.1.10.	Test type IX requirements: sound level	: Not applicable
2.2.1.11.	Propulsion unit performance test results	
2.2.1.11.1.	Propulsion unit performance data to be provided to measure/determine the maximum vehicle design speed	: See appendix 16
2.2.1.11.1.1.	Details of hardware and software of test vehicle(s), fitted components and accessories referred to in Annex X to Commission Delegated Regulation (EU) No 134/2014, Any deviations by test vehicle(s) from data provided in information document, Annex I: ~~yes~~/no. If yes, please provide list with deviations relevant for measuring the maximum vehicle design speed and gear in which it was reached	: n.a.
2.2.1.11.1.2.	Test mass in running order: mass plus rider/driver	: See appendix 16
2.2.1.11.1.3.	Test fuel specifications	: Not applicable
2.2.1.11.1.4.	Powertrain lubricant specifications	: Not applicable
2.2.1.11.1.5.	Atmospheric pressure	: See appendix 16
2.2.1.11.1.6.	Relative humidity	: See appendix 16

2.2.1.11.1.7.	Ambient temperature	: See appendix 16
2.2.1.11.1.8.	Wind speed and direction on test track	: See appendix 16
2.2.1.11.1.9.	Test track condition (temperature, level of moisture etc.)	: See appendix 16
2.2.1.11.1.10.	Maximum vehicle design speed measured and gear in which it is reached	: See appendix 16
2.2.1.11.1.11.	Maximum vehicle design speed	
2.2.1.11.1.12.	Exemption L3e-A3 and L4e-A3 vehicles; maximum vehicle design speed declared by manufacturer	: 40 km/h
2.2.1.11.2.	Propulsion unit performance data to be provided to measure/determine the torque and power of the propulsion on the engine dynamometer	: See appendix 6
2.2.1.11.2.1.	Details of propulsion(s) hardware and software tested, test equipment and settings relevant for propulsion unit performance measurements on engine dynamometer tests	: Test equipment and settings see appendix 6
2.2.1.11.2.1.1.	List of components and part numbers/markings relevant for propulsion unit performance measurement on engine dynamometer, referred to in Annex X to Commission Delegated Regulation (EU) No 134/2014	: See information document
2.2.1.11.2.1.2.	Test fuel	: Not applicable
2.2.1.11.2.1.3.	Powertrain lubricant specifications	: Not applicable
2.2.1.11.2.1.4.	Atmospheric pressure	: Not applicable
2.2.1.11.2.1.5.	Relative humidity	: Not applicable
2.2.1.11.2.1.6.	Ambient temperature	: Not applicable
2.2.1.11.2.1.7.	Correction factor for reference atmospheric conditions α 1	: Not applicable
2.2.1.11.2.1.8.	Correction factor for the efficiency of the transmission α 2	: Not applicable
2.2.1.11.2.1.9.	Engine cooling temperature	: Not applicable

2.2.1.11.2.1.10. Oil temperature at measuring point	: Not applicable
2.2.1.11.2.1.11. Exhaust temperature	: Not applicable
2.2.1.11.2.1.12. The manufacturer shall indicate the propulsion unit performance test results below	: See appendix 6
2.2.1.11.2.1.13. Maximum permitted ~~combustion engine~~/electric motor~~/propulsion~~ rotation speed	: See information document
2.2.1.11.2.1.14. Maximum net power combustion engine	: Not applicable
2.2.1.11.2.1.15. Maximum net torque combustion engine	: Not applicable
2.2.1.11.2.1.16. Maximum continuous-rated power electric motor	: See information document
2.2.1.11.2.1.17. Maximum continuous-rated torque electric motor	: See information document
2.2.1.11.2.1.18. Maximum current e-motor at maximum continuous-rated power	: See information document
2.2.1.11.2.1.19. Maximum continuous total power for propulsion(s)	: Not applicable
2.2.1.11.2.1.20. Maximum continuous total torque for propulsion(s)	: Not applicable
2.2.1.11.2.1.21. Maximum peak power for propulsion(s)	: Not applicable
2.2.1.11.2.1.22. Power/mass in running order ratio	: Not applicable
2.2.1.11.2.1.23. Specific fuel consumption, g/kWh at maximum net power and power	: Not applicable
2.2.1.11.2.1.24. Propulsion unit performance sweep graphs of total power and torque vs. engine speed (1200 rpm to propulsion speed governor rpm, step 400 rpm). Secondary variables: spark angle, A/F ratio and mass air-flow (measured or calculated)	: Not applicable
2.2.1.11.2.1.25. Maximum speed of vehicle and gear in which it is reached ... km/h) (only for subcategories: L1e, L2e, L6e, L7e-B1, L7e-C)	: 40 km/h
2.2.2. (B) Functional safety test reports	
2.2.2.1. Front and rear protective structures	

2.2.2.1.1.	Description and justification of the relevant provisions against which the vehicles has been assessed	: Not applicable
2.2.2.2.	Driver-operated controls including identification of controls, tell-tales and indicators	
2.2.2.2.1.	Detailed list of controls, tell-tales, tell-tales colours and indicators of the vehicle	: See information document
2.2.2.2.2.	Assessment of the visibility	: Passed
2.2.2.3.	Installation of lighting and light-signalling devices, including automatic light switching	
2.2.2.3.1.	Specific test conditions (e.g. indicator-bulb malfunction)	: Tests were carried out in accordance with UNECE Regulation No 74.01
2.2.2.4.	Safety belt anchorages and safety belts	
2.2.2.4.1.	Description and justification of the relevant provisions against which the vehicle has been assessed	: Not applicable
2.2.2.5.	Installation of tyres	
2.2.2.5.1.	Maximum tyre envelope sizes applied for the clearance assessment	: Front - outer diameter: 623 mm section width: 69 mm Rear - outer diameter: 623 mm section width: 69 mm
2.2.2.6.	Vehicle occupant protection, including interior fittings and vehicle doors	
2.2.2.6.1.	Values of radii measurement of interior projections in sufficient detail	: Not applicable
2.2.2.7.	Maximum continuous total power and/or maximum vehicle speed limitation by design	
2.2.2.7.1.	Maximum vehicle speed and/or maximum continuous total power for vehicles equipped with PI/CI combustion engine limited by	: Not applicable

	(a) the properties, timing or presence of the spark igniting the fuel/air mixture in the cylinder(s)	: ~~Yes/no~~
	(b) the amount of air intake of the engine	: ~~Yes/no~~
	(c) the amount of fuel intake of the engine	: ~~Yes/no~~
	(d) the mechanically-controlled output rotation speed of the drive-train, such as clutch, transmission or final drive	: ~~Yes/no~~
2.2.2.7.2.	Maximum vehicle speed and/or maximum power shall be limited by means of two or more of the following, for vehicles which are propelled by means of one or more electric motors, including pure and hybrid electric vehicles	
	(a) reduction of the maximum power output of one or more electric motors based on the vehicle or rotation speed as sensed internally to the electric motor	: Yes~~/no~~
	(b) reduction of the maximum power output of one or more electric motors based on the actual vehicle speed as sensed fully externally to the electric Motor	: Yes~~/no~~
	(c) physical vehicle speed limitation by means of internal or external components such as a maximum achievable revolution speed of an electric motor	: Yes~~/no~~
2.2.2.7.3.	Maximum vehicle speed and/or maximum power shall be limited by means of two or more of the following, for vehicles which are propelled by other means than those referred to in 2.2.7.1. and 2.2.7.2.	: Not applicable

2.2.3. (C) Vehicle construction test reports

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2.2.3.1. Arrangements for type-approval procedures : See table below

Delegated act reference	Annex No	Virtual and/or self-testing	Subject	Restrictions / Comments	Applied
Commission Delegated Regulation (EU) No 134/2014	X	Self-testing	Testing procedures on maximum vehicle design speed	Only for subcategories L3e-A3, L4e-A3 and L5e and does not include any other propulsion unit performance testing	~~Yes~~/no
Commission Delegated Regulation (EU) No 3/2014	II	Self-testing	Audible warning devices	Installation only	~~Yes~~/no
Commission Delegated Regulation (EU) No 3/2014	VIII	Self-testing	Driver-operated controls including identification of controls, tell-tales and indicators	Speedometer only	~~Yes~~/no
Commission Delegated Regulation (EU) No 3/2014	IX	Virtual testing	Installation of lighting and light-signalling devices	Dimensions only	~~Yes~~/no
Commission Delegated Regulation (EU) No 3/2014	X	Virtual testing	Rearward visibility	Installation only; only according to UNECE Regulation No 81	~~Yes~~/no
Commission Delegated Regulation (EU) No 3/2014	XV	Virtual testing	Installation of tyres	Only where clearance exceeds 10 mm	~~Yes~~/no
Commission Delegated Regulation (EU) No 44/2014	XIV	Self & virtual testing	Registration plate space		~~Yes~~/no
Commission Delegated Regulation (EU) No 44/2014	XVI	Self-testing	Stands	Only point 2.5. stand retention systems	~~Yes~~/no
This Commission Implementing Regulation(EU) No 901/2014	V	Self-testing	Statutory plate and EU type-approval mark		~~Yes~~/no

2.2.3.2.	Requirements applying to coupling devices and attachments	
2.2.3.2.1.	Dynamic strength test (endurance test) coupling ball and/or head: ~~passed/failed~~	: Not applicable
2.2.3.2.2.	Test results dynamic strength test (endurance test)	: Not applicable
2.2.3.3.	Requirements applying to external projections	
2.2.3.3.1.	Values of radii measurement of exterior projections in sufficient detail	: See information document and appendix 14
2.2.3.3.2.	Description and justification of the relevant provisions against which the vehicle has been assessed	: See appendix 14
2.2.3.4.	On-board diagnostics (OBD) functional requirements	: Not applicable
2.2.3.5.	Stands	
2.2.3.5.1.	Detailed description and assessment of the system used to prevent propulsion of the vehicle when the stand is in use	: See information document
3.	Test results sheet	
3.1.	The test-results sheet appended to the EU type-approval certificate, as set out in Article 30 of Regulation (EU) No 168/2013 shall have the structure and contain the information established in point 2.2. of this Annex.	

3. Test results sheet

3.1. The test-results sheet appended to the EU type-approval certificate, as set out in Article 30(3) of Regulation (EU) No 168/2013 shall have the structure and contain the information established in point 2.2. of this Annex.

Test minutes of braking system

Appendix 3

0. Test condition

0.1. Test date : Mar. 28, 2018

0.1.1. Temperature : 293 K

0.1.2. Wind speed : 2.5 m/s

0.2. Test site : Xi`an, P.R.China

1. Test facilities : The test equipment used was in compliance with the requirements of the Regulation.

2. Test object(s)

2.1. Type : QL3000DY-2

Variant : ---

Version : ---

2.2. Technically permissible mass on axles

Axle 1 [kg] : 57

Axle 2 [kg] : 83

2.3. Load conditions of the vehicle during the test

	Unladen	**Laden**
Axle 1 [kg]	57	57
Axle 2 [kg]	76	83
Total [kg]	133	140

2.4.	Number and arrangement of the axles	:	2 axles
2.5.	Brief description of the service braking device	:	Two independent service brakes acting on the front and rear axles individually
	Front axle	:	Hand lever, hydraulic transfer, disc brake
	Manufacturer of the brake system	:	Wenzhou libang enterprise co. Ltd.
	Manufacturer of brake pad	:	WKT
	Rear axle	:	Hand lever ,hydraulic transfer, disc brake
	Manufacturer of the brake system	:	Wenzhou libang enterprise co. Ltd.
	Manufacturer of brake pad	:	WKT
2.6.	Other devices (anti-lock, etc…)	:	n.a.

3. Test results

3.1. Dry stop test-single brake control actuated,

- Vehicle condition: laden, engine disconnected, initial brake temperature≥55°C and ≤100°C

Conditions	Test speed [km/h]	Measured performance [m/s²]	Measured force applied to control [N]
Front axle	36	3.63	60
Rear axle	36	2.90	67

3.2. Dry stop test-all service brake control actuated : Not applicable

3.3. High speed test-all service brake control actuated : Not applicable

3.4. Wet brake test-all service brake control actuated,

-vehicle condition: laden, engine disconnected, initial brake temperature≥55°C and ≤100°C

Each service braking device applied separately and a_{ave}=2.5~3.0m/s²

3.4.1 Baseline test (Dry brake)

Conditions	Test speed	Measured performance [m/s²]			Measured force applied to control
Front axle	**[km/h]**	**Ave.**	**0.5-1s**	**Max**	**[N]**
1	36	2.74	2.48	3.32	29
2	36	2.84	2.33	3.40	30
3	36	2.76	2.60	3.75	31
Average		2.78	2.47	3.49	30
Wet Brake stop test	36	--	2.14 87%	2.91 83%	29

Conditions	Test speed	Measured performance [m/s^2]			Measured force applied to control
Rear axle	[km/h]	Ave.	0.5-1s	Max	[N]
1	36	2.60	2.20	3.59	34
2	36	2.55	2.09	3.32	29
3	36	2.56	2.23	3.57	30
Average		2.57	2.17	3.49	31
Wet Brake stop test	36	--	2.09 96%	2.80 80%	30

3.5. Heat fade test (fade test) : Not applicable

Test minutes of audible warning device

Appendix 4

0.	Test condition	
0.1.	Test place	: Xi`an, P.R.China
0.2.	Test date	: Mar. 28, 2018
1.	Test facilities	: The test equipment used was in compliance with the requirements of ECE R28
2.	Test vehicle(s)	
2.1.	Type Variant Version	: QL3000DY-2 : --- : ---
2.2.	Identification number	: LB7KT0104HC326008(prototype vehicle)
2.3.	Type of horn	: DL128
2.4.	Approval number	: E13-28R-000614
3.	Test results	
3.1.	Ambient noise in dB(A)	: 52
3.2.	Test voltage in V	: 13
3.3.	Max. sound pressure level in 7 m distance in dB(A)	: 89
3.4.	Height of microphone above the ground in m (0.5~1.5m)	: 1.0 m

Test minutes of lighting installation

Appendix 5

0.	Test condition		
0.1.	Test place	:	Xi`an, P.R.China
0.2.	Test date	:	Mar. 27, 2018
1.	Test facilities	:	The test equipment used was in compliance with the requirements of the Regulation.
2.	Test vehicle(s)		
2.1.	Type	:	QL3000DY-2
	Variant(s)	:	---
	Version(s)	:	---
	Identification number	:	LB7KT0104HC326008(prototype vehicle)
3.	Test results		
3.1.	Installation of lighting and light-signalling devices	:	According to UNECE R74-01
	Conformity checks	:	Requirements fulfilled
	Method used for the definition of the apparent surface	:	Boundary of illuminating surface ~~Light emitting surface~~
	Automatically switched-on headlamp	:	~~Daytime running lamp~~ The vehicle was equipped with headlamps that switch on automatically in compliance with UNECE Regulation No.74
	Bend lighting	:	Not applicable

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Test minutes of max. torque and max. continuous rated power

Appendix 6

0.	Test condition	
0.1.	Test place	: Xi`an, P.R.China
0.2.	Test date	: Apr. 09, 2018
1.	Test facilities	: The test equipment used was in compliance with the requirements of the Regulation.
2.	Test vehicle(s)	
2.1.	Type	: QL3000DY-2
	Variant	: ---
	Version	: ---
2.2.	Engine code / number	: 182ZW4835408 / 20171212082
3.	Engine performance	
3.1.	Test conditions	
3.1.1	Ambient temperature	: 298 K
3.1.2	Test voltage	: 60 V
3.1.7	Characteristics of the dynamometer	
	Make	: CHENGBANG
	Type	: DL30

4. Detailed results of measurement

4.1. Net torque and power

Measured				Corrected		Cooling liquid or air cooling temp.
Motor Speed	Torque	Power	Power to be added for auxiliary equipment	Net Torque	Net Power	
r/min	Nm	kW	kW	Nm	kW	K
3000	6.1	1920	0	6.1	1920	298
2958	6.5	2022	0	6.5	2022	298
2828	7.0	2061	0	7.0	2061	298
2781	7.1	2081	0	7.1	2081	298
2656	7.6	2109	0	7.6	2109	298
2563	7.9	2123	0	7.9	2123	298
2313	8.9	2145	0	8.9	2145	298
2141	9.5	2140	0	9.5	2140	298
2042	10.0	2130	0	10.0	2130	298
1745	11.1	2026	0	11.1	2026	298
1422	11.9	1770	0	11.9	1770	298
974	13.1	1331	0	13.1	1331	298
297	13.9	432	0	13.9	432	298
73	13.4	105	0	13.4	105	298

4.2. Maximum 30 minutes power

Time [min]	P [W]	rpm	Difference [%]
0	2016	2646	-1.75
5	2021	2646	-1.51
10	2047	2646	-0.24
15	2050	2641	-0.10
20	2070	2646	0.88
25	2069	2641	0.83
30	2090	2646	1.85
Average	2052	2646	

4.2.1. Engine speed : 2640 rpm
(Declared by the manufacturer)

4.2.2. Maximum 30 minutes power : 2.05 kW
(Declared by the manufacturer)

4.2.3. Maximum 30 minutes power : 2.052 kW
(Test result)

Test minutes of tyre installation

Appendix 7

0.	Test condition		
0.1.	Test place	:	Xi`an, P.R.China
0.2.	Test date	:	Mar. 27, 2018
1.	Test facilities	:	The test equipment used was in compliance with the requirements of the Regulation (EU) 3/2014
2.	Test vehicle(s)		
2.1.	Type	:	QL3000DY-2
	Variant	:	---
	Version	:	---
2.2.	Identification number	:	LB7KT0104HC326008(prototype vehicle)
2.3.	Maximum mass of vehicle [kg]	:	140
	- axle 1 [kg]	:	57
	- axle 2 [kg]	:	83
2.4.	Technically permissible axle weight		
	- axle 1 [kg]	:	57
	- axle 2 [kg]	:	83
2.5.	Number and arrangement of the axles	:	2 axles
2.6.	Tyre dimensions - axle 1	:	70/100-19
	- axle 2	:	70/100-19
2.7.	Minimum load index and speed index - axle 1	:	42M (actual) / 16B (required)
	- axle 2	:	42M (actual) / 22B (required)

2.8.	Clearance	:	The space in which the wheels revolve allows unrestricted movement when the maximum permissible size of tyres is used, within the minimum and maximum suspension, steering and wheel guard constraints provided by the manufacturer.
	Load and speed capacity	:	The maximum load ratings and speed category symbols of the used tyres cover the maximum permissible axle mass declared by the vehicle manufacturer and the maximum design speed of the vehicle.
	Tyre pressures	:	The declared cold tyre pressures are stated on the vehicle. See information document

Test minutes of EMC

Appendix 8

0. Test condition

0.1.	Test place	:	Xi`an, P.R.China
0.2.	Test date	:	Apr. 25, 2018
1.	Test facilities	:	The test equipment used was in compliance with the requirements of the Regulation.
2.	Test vehicle(s)		
2.1.	Type	:	QL3000DY-2
	Variant	:	---
	Version	:	---
2.2.	Identification number	:	LB7KT0104HC326008(prototype vehicle)
2.3.	~~Engine /~~ Motor number	:	20171212082
2.4.	Sort of ~~engine~~ / motor	:	Winding

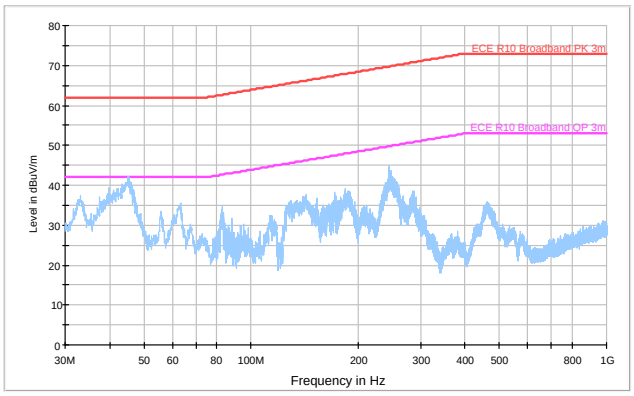
3. Test results of broadband electromagnetic emissions from vehicle(Annex 4)

3.1. Test condition : Closed installation

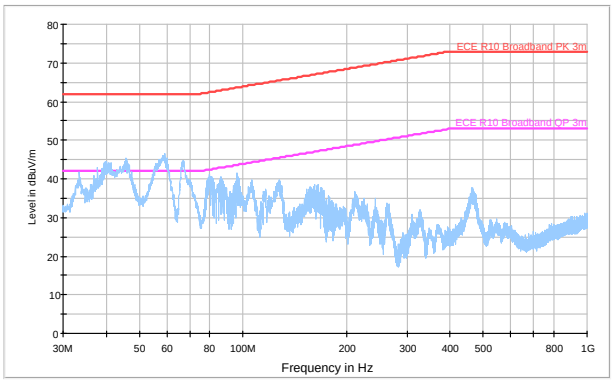
3.2. Distance of the antenna (m) : 3

3.3. Height of the antenna (m) : 1.8

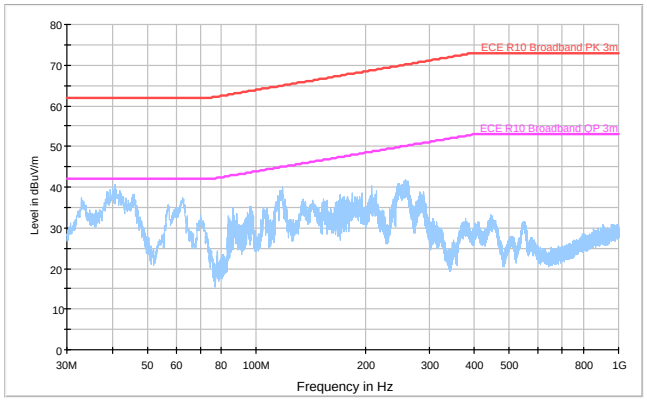
3.4. Engine / Motor revolution for radiated broadband emissions : 40 km/h



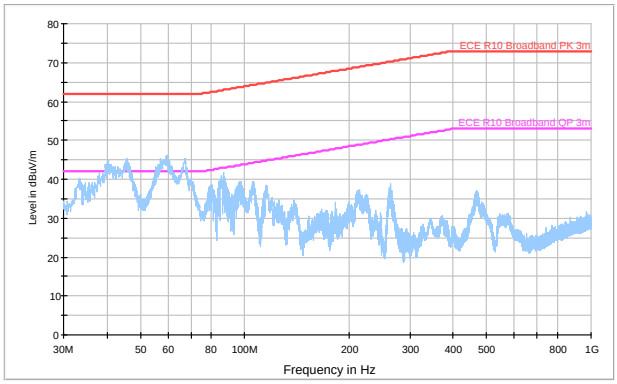
Left hand side antenna horizontal



Left hand side antenna vertical



Right hand side antenna horizontal



Right hand side antenna vertical

The measurement has been taken over the range of frequencies from 30 to 1000 MHz.

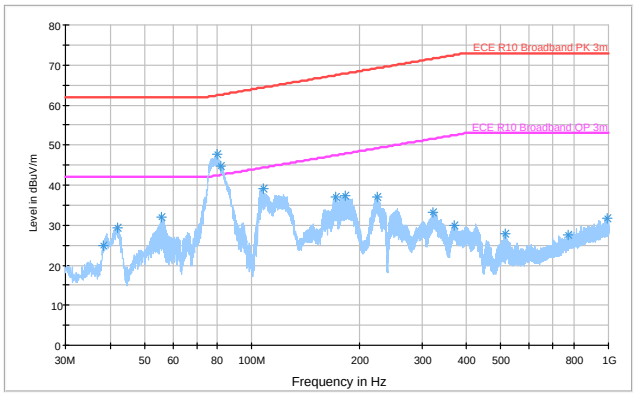
4. Test results of broadband electromagnetic emissions from vehicle (Annex 4):

(REESS in charging mode coupled to the power grid)

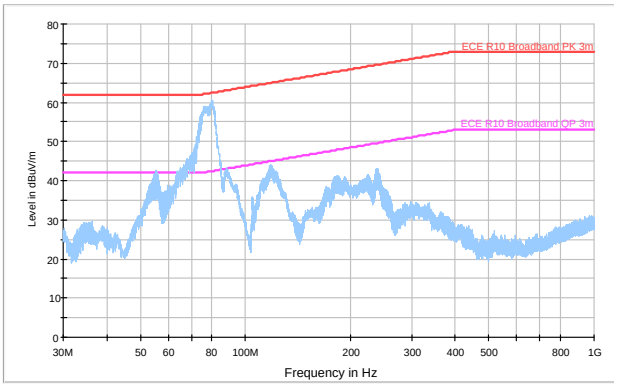
4.1. Test condition : Closed installation

4.2. Distance of the antenna (m) : 3

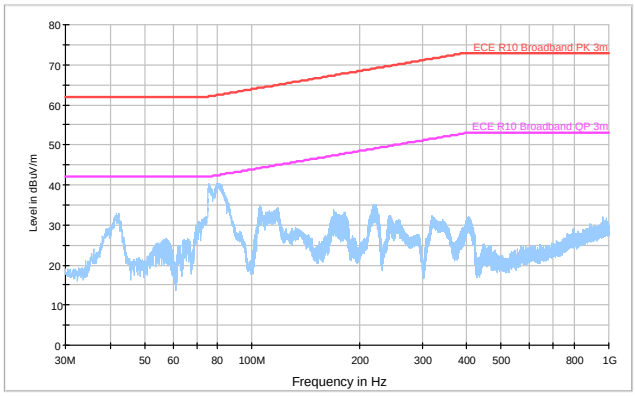
4.3. Height of the antenna (m) : 1.8



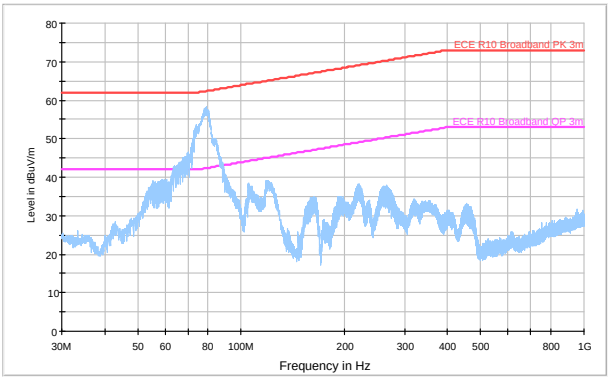
Left hand side antenna horizontal



Left hand side antenna vertical



Right hand side antenna horizontal



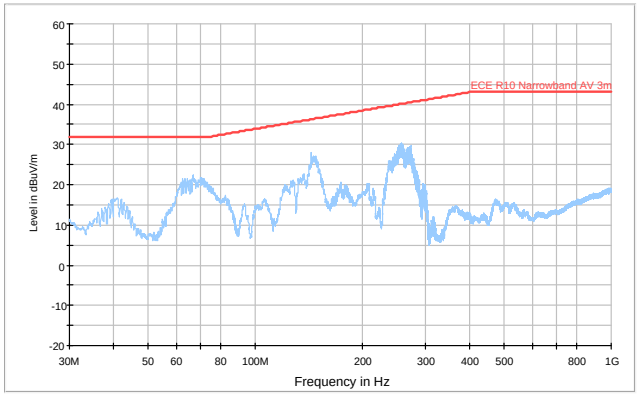
Right hand side antenna vertical

5. Test results of narrowband electromagnetic emissions from vehicle (Annex 5):

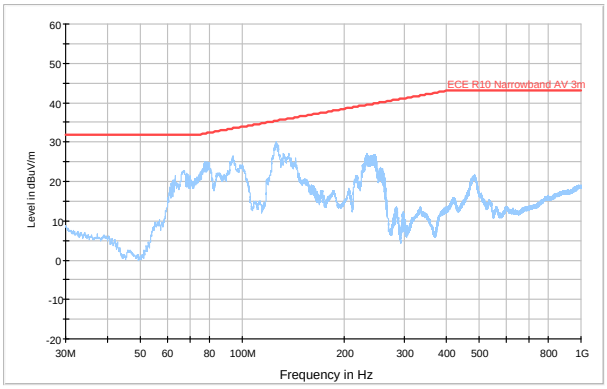
5.1. Test condition : Closed installation

5.2. Distance of the antenna (m) : 3

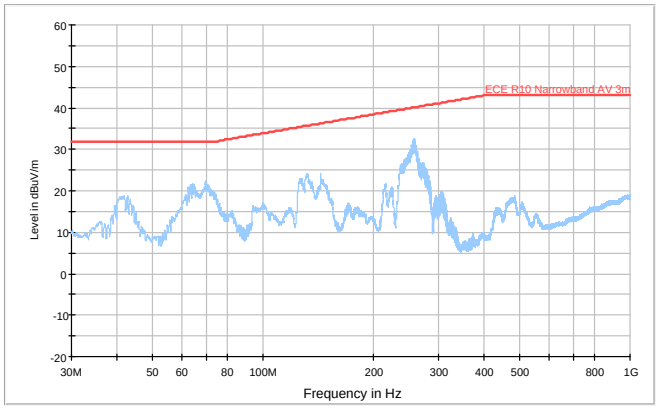
5.3. Height of the antenna (m) : 1.8



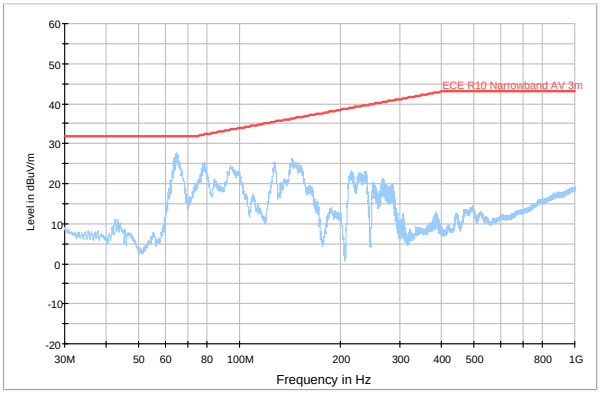
Left hand side antenna horizontal



Left hand side antenna vertical



Right hand side antenna horizontal



Right hand side antenna vertical

The measurement has been taken over the range of frequencies from 30 to 1000 MHz

6. Test results of immunity to electromagnetic radiation (Annex 6): Pass

(Other than REESS in charging mode coupled to the power grid)

Test method	:	Free field
Specified frequency range	:	20 ~ 2000 MHz in vertical polarization
Alternatively spot frequencies	:	27, 45, 65, 90, 120, 150, 190, 230, 280, 380, 450, 600, 750, 900, 1300 and 1800 MHz
Field strength	:	30 V/m rms (over 90% of 20~2000 MHz)
Vehicle speed	:	25 km/h

During the tests performed in accordance with Annex 6, there was no any degradation of performance of "immunity related functions" listed below.

"50 km/h cycle" vehicle test conditions	*Failure criteria*
Vehicle speed 50 km/h (respectively 25 km/h for L_1, L_2 vehicles) ±20 per cent (vehicle driving the rollers). If the vehicle is equipped with a cruise control system, it shall be operational.	Speed variation greater than ±10 per cent of the nominal speed. In case of automatic gearbox: change of gear ratio inducing a speed variation greater than ±10 per cent of the nominal speed.
Dipped beams ON (manual mode)	Lighting OFF
Direction indicator on driver's side ON	Frequency change (lower than 0.75 Hz or greater than 2.25 Hz). Duty cycle change (lower than 25 per cent or greater than 75 per cent).
Horn OFF	Unexpected activation of horn

7. Test results of immunity to electromagnetic radiation (Annex 6): Pass

All other equipment which can be switched on permanently by the driver or passenger should be OFF.	:	Pass
Only non-perturbing equipment shall be used while monitoring the vehicle. The vehicle exterior and the passenger compartment shall be monitored to determine whether the requirements of this annex are met (e.g. by using (a) video camera(s), a microphone, etc.)	:	Pass

There was no any degradation of performance of "immunity related functions" listed below

"REESS in charging mode" vehicle test conditions	Failure criteria
The REESS shall be in charging mode (engine OFF). The REESS state of charge shall be agreed in between the manufacturer and the Technical Service.	Vehicle sets in motion

8. Test results for emission of harmonics generated on AC power lines from vehicle (Annex 11):

8.1. Test set up : According to IEC 61000-3-2

8.2. Test result : Maximum harmonic current is lower than the limit in Table 3

9. Test results for emission of voltage changes, voltage fluctuations and flicker on AC power lines from vehicle (Annex 12):

9.1. Test set up : According to IEC 61000-3-3

9.2. Test result : Pass

Maximum Flicker results

	EUT values	Limit	Result
Pst	0.028	1.00	PASS
Plt	0.028	0.65	PASS
dc [%]	0.038	3.30	PASS
dmax [%]	0.091	4.00	PASS
dt [s]	0.000	0.50	PASS

10. Test results for emission of radiofrequency conducted disturbances on AC or DC power lines from vehicle (Annex 13):

10.1. Test set up : According to CISPR 16-2-1 &16-1-2

10.2. Test result : Pass

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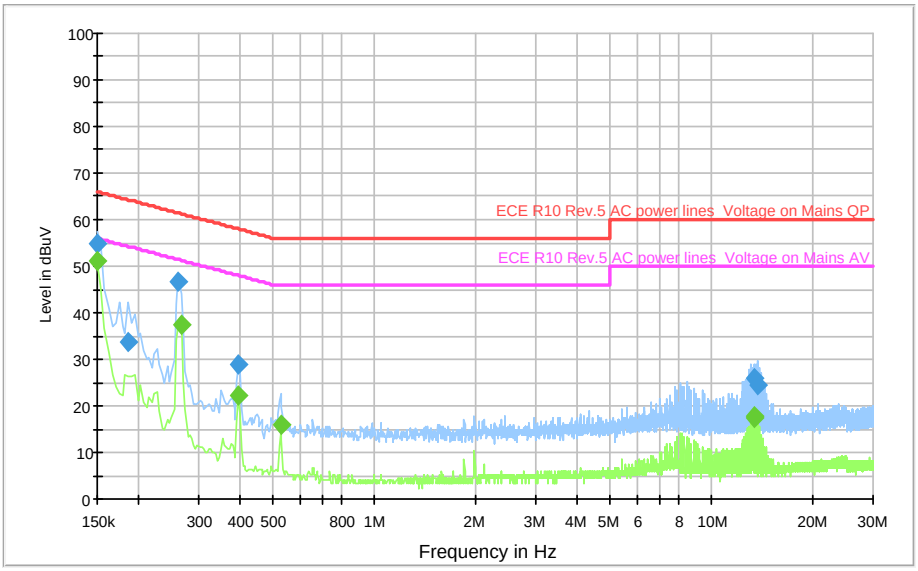
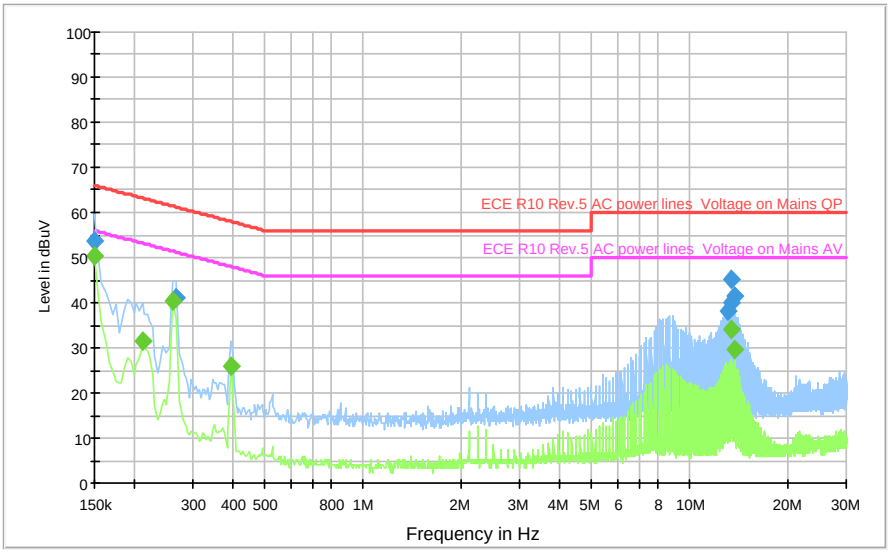
Société Nationale de Certification et d'Homologation

Live wire



Neutral wire



11. Test results for emission of radiofrequency conducted disturbances on network and telecommunication access from vehicle (Annex 14)：not applicable

12. Test results for immunity of vehicles to electrical fast transient/burst disturbances conducted along AC or DC power lines (Annex 15):

All other equipment which can be switched on permanently by the driver or passenger should be OFF. : Pass

Only non-perturbing equipment shall be used while monitoring the vehicle. The vehicle exterior and the passenger compartment shall be monitored to determine whether the requirements of this annex are met (e.g. by using (a) video camera(s), a microphone, etc.) : Pass

There was no any degradation of performance of "immunity related functions" listed below

"REESS in charging mode" vehicle test conditions	Failure criteria
The REESS shall be in charging mode (engine OFF). The REESS state of charge shall be agreed in between the manufacturer and the Technical Service.	Vehicle sets in motion

13. Test results for immunity of vehicles to surges conducted along AC or DC power lines (Annex 16):

All other equipment which can be switched on permanently by the driver or passenger should be OFF. : Pass

Only non-perturbing equipment shall be used while monitoring the vehicle. The vehicle exterior and the passenger compartment shall be monitored to determine whether the requirements of this annex are met (e.g. by using (a) video camera(s), a microphone, etc.) : Pass

There was no any degradation of performance of "immunity related functions" listed below

"REESS in charging mode" vehicle test conditions	Failure criteria
The REESS shall be in charging mode (engine OFF). The REESS state of charge shall be agreed in between the manufacturer and the Technical Service.	Vehicle sets in motion

Test minutes of speedometer measuring — Appendix 10

0.	Test condition		
0.1.	Test place		: Xi`an, P.R.China
0.2.	Test date		: Mar. 28, 2018
1.	Test facilities		: The test equipment used was in compliance with the requirements of the Regulation.
2.	Test vehicle(s)		
2.1.	Type		: QL3000DY-2
	Variant		: ---
	Version		: ---
2.2.	Identification number		: LB7KT0104HC326008(prototype vehicle)
3.	Vehicle designed V_{max} [km/h]		: 40
4.	Actual mass as tested [kg]		: 133
5.	Distribution [kg]	Axle 1	: 57
		Axle 2	: 76
6.	Tyre dimensions	Axle 1	: 70/100-19
		Axle 2	: 70/100-19
6.1.	Tyre pressure [kPa]	Axle 1	: 225+20
		Axle 2	: 225+20
7.	Speedometer		
7.1.	Make(s)		: BX
7.2.	Type of speedometer		: 25100-YQ2B-0000
8.	Measurement		
8.1.	Temp. at speedometer (°C)		: 20

8.2. Test result : Passed

Test No.	Displayed speed "V_1" (km/h)	Test speeds "V_2" (km/h)	Error "V_1-V_2" (km/h)	Limit (km/h)
1	40	39.0	1.0	7.9

Test minutes of passenger handholds and footrests — Appendix 12

0.	Test condition	
0.1.	Test place	: Xi`an, P.R.China
0.2.	Test date	: Mar. 27, 2017
1.	Test facilities	: The test equipment used was in compliance with the requirements of the Regulation.
2.	Test vehicle(s)	
2.1.	Type	: QL3000DY-2
	Variant(s)	: ---
	Version(s)	: ---
	Identification number	: LB7KT0104HC326008(prototype vehicle)
3.	Test results	: Passed
3.1.	General requirements	: The requirements in Annex XIII of Regulation (EU) No 44/2014 were fulfilled.
3.2.	Strength test	: Footrests were capable of withstanding, without any permanent deformation, a vertical compression force of 1,700 N applied statically to the selected point at a maximum pressure of 2.0 MPa.

Test minutes of steer-ability

Appendix 13

0.	Test condition		
0.1.	Test site	:	Xi`an, P.R.China
0.2.	Test date	:	Mar. 28, 2018
1.	Test facilities	:	The test equipment used was in compliance with the requirements of the Regulation.
2.	Test vehicle(s)		
2.1.	Type	:	QL3000DY-2
	Variant(s)	:	---
	Version(s)	:	---
	Identification number	:	LB7KT0104HC326008(prototype vehicle)
3.	Test results	:	Passed
3.1.	Steering test with circle radius of 12 m	:	The tests were carried out in accordance with Annex XIV of Regulation (EU) No 3/2014. No unusual vibration had been occurred under turning circle radius of 12 m at a speed of 6 km/h or more.
3.2.	Leaving test with circle radius of 10 m	:	The tests were carried out in accordance with Annex XIV of Regulation (EU) No 3/2014. No unusual vibration had been occurred during leaving curve at a speed of 23 km/h.
3.3.	Vibration in travel under max. speed	:	The tests were carried out in accordance with Annex XIV of Regulation (EU) No 3/2014. No unusual steering corrections and vibration had been occurred under travelling at a speed of $0.8 \times V_{max}$.

Test minutes of external projection

Appendix 14

0.	Test condition	
0.1.	Test site	: Xi`an, P.R.China
0.2.	Test date	: Mar. 27, 2017
1.	Test facilities	: The test equipment used was in compliance with the requirements of the Regulation (EU) 44/2014..
2.	Test vehicle(s)	
2.1.	Type	: QL3000DY-2
	Variant	: ---
	Version	: ---
2.2.	Identification number	: LB7KT0104HC326008(prototype vehicle)
3.	Test results	
3.1.	Edge of windscreen (≥ 2 mm)	: ~~Pass / Fail /~~ Not applicable
3.2.	~~Clutch~~/brake lever (≥ 7 mm)	: Pass / ~~Fail / Not applicable~~
3.3.	Front mudguard (≥ 2 mm)	: Pass / ~~Fail / Not applicable~~
3.4.	Ignition key protective cap	: Pass / ~~Fail / Not applicable~~
3.5.	Fuel filler cap (15 mm or cover)	: ~~Pass / Fail /~~ Not applicable
3.6.	Wheel fittings	: Pass / ~~Fail / Not applicable~~
3.7.	Rubber or plastic (< 60 shore A)	: Pass / ~~Fail / Not applicable~~
3.8.	“Grazing” ≤ 45° (group 1)	: Pass / ~~Fail / Not applicable~~
3.9.	“Collision” ≥ 45° (group 2)	: Pass / ~~Fail / Not applicable~~

Test minutes of Masses and dimensions

Appendix 15

0. Test condition

0.1. Test date : Xi`an, P.R.China

0.2. Test site : Mar. 27, 2018

1. Test facilities : The test equipment used was in compliance with the requirements of the regulation.

2. Test vehicle(s)

2.1. Type : QL3000DY-2
Variant : ---
Version : ---

3. Test results : Passed

Masses (kg) and dimensions(mm)	Declared	Testing record
Mass of vehicle in running order	47	47
Distribution of that mass between the axles	23/24	23/24
Actual Mass of vehicle (Mass in running order together with rider and optional equipment)	133	133
Distribution of that mass between the axles	57/76	57/76
Vehicle length	1860	1859
Vehicle width (excluding mirror)	780	779
Vehicle height (excluding mirror)	1050	1050
Wheel base	1230	1230

Dimension tolerance: ±3%

Test minutes of maximum speed

Appendix 16

0.	Test condition	
0.1.	Test place	: Xi`an, P.R.China
0.2.	Test date	: Mar. 28, 2018
1.	Test facilities	: The test equipment used was in compliance with the requirements of the Regulation (EU) No. 134/2014
2.	Test vehicle(s)	
2.1.	Type Variant Version	: QL3000DY-2 : --- : ---
2.2.	Identification number	: LB7KT0104HC326008(prototype vehicle)
3.	Atmospheric conditions	
3.1.	Atmospheric pressure [kPa]	: 97.3
3.2.	Temperature [K]	: 293
3.3.	Relative humidity [%]	: 53%
3.4.	Maximum wind speed [m/sec]	: 1.5 m/s, North West
3.5.	Type of test track acc. to 4.2.1	: I
3.6.	Actual mass as tested [kg]	: 133
4.	Test results	
	Maximum speed [km/h]	: 40 km/h

Measurement 1	40.2	39.8
Measurement 2	40.2	39.9
Average value (km/h)	40.0	

Date of issue: December 18, 2017

Document information about **Two-wheel motorcycle**
Reference number of information document: **168/2013-QL3000DY-2-00**
Application date: **December 18, 2017**

LIST OF CONTENT

Drawing No.	Drawing Name
QL3000DY-2-01	Complete Vehicle Dimension
QL3000DY-2-02	Location of the Statutory Inscription and the Chassis Number
QL3000DY-2-03	Manufacturer's Data Plate
QL3000DY-2-04	Chassis
QL3000DY-2-05	Battery Position
QL3000DY-2-06	Sketch of Control System
QL3000DY-2-07	Battery
QL3000DY-2-08	General Circuit Diagram
QL3000DY-2-09	Transmission System
QL3000DY-2-10	Front Fork Assy
QL3000DY-2-11	Rear Suspension
QL3000DY-2-12	Horn Installation
QL3000DY-2-13	Electric Ciruit of Horn
QL3000DY-2-14	Brake System
QL3000DY-2-15	Hydraulic Reservoir
QL3000DY-2-16	Rear Brake Pads
QL3000DY-2-17	Front Brake Pads
QL3000DY-2-18	Front Brake Lever
QL3000DY-2-19	Rear Brake Lever
QL3000DY-2-20	Control I. D. Indication and Tell-Tale
QL3000DY-2-21	Speedometer
QL3000DY-2-22	Lighting Installation
QL3000DY-2-23	Head Light
QL3000DY-2-24	Direction Indicator

QL3000DY-2-25	Rear Lamp
QL3000DY-2-26	Rearview Mirror Position
QL3000DY-2-27	Rearview Mirror Installation
QL3000DY-2-28	Saddle
QL3000DY-2-29	Anti-theft Device
QL3000DY-2-30	Space for Rear Registration Plate
QL3000DY-2-31	Stands
QL3000DY-2-32	Foot Rest
QL3000DY-2-33	Charger
QL3000DY-2-34	Electric System
QL3000DY-2-35	Electric Protect System
QL3000DY-2-36	VIN structure
	information folder sheet (2 Pages)
	Endurance statement
	Structure statement
	RMI certificates (4 Pages)
	Powertain Tampering Prevention Measures
	Anti-Tampering Statement
	Statement concerning authority of Signature on COC
	Sample of COC (3 Pages)

Date of issue: December 18, 2017

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

According to Regulation (EU) number 168/2013

and Commission implementing Regulation (EU) number 901/2014 amended by 2016/1825

Item No	(Sub) categories	Detailed information		
0.		**GENERAL INFORMATION**		
A.		**General information concerning vehicles**		
0.1.	L1e	**Make (trade name of manufacturer)**	:	SURRON; LIGHT BEE
0.2.	L1e	**Type** (17)	:	QL3000DY-2
0.2.1.	L1e	Variant(s) (17)	:	n.a.
0.2.2.	L1e	Version(s) (17)	:	n.a.
0.2.3.	L1e	Commercial name(s) (if available)	:	LIGHT BEE
0.3.	L1e	**Category, subcategory and sub-subcategory of vehicle** (2)	:	L1e-B
0.4.	L1e	**Company name and address of manufacturer**	:	Tibet New Summit Motor Co., Ltd. No.65, Beijing Middle Road, Lasa City, Tibet Autonomous Region, 850000, China
0.4.1.	L1e	Name(s) and address(es) of assembly plants	:	Chongqing Qiulong Technology Co., Ltd. Qiezixi city industrial zones, Dadukou District, Chongqing City China, 400082
0.4.2.	L1e	Name and address of manufacturer's authorized representative, if any	:	KOHLA AB Bondegatan 21, 11633 Stockholm, Sweden
0.5.	L1e	**Manufacturer's statutory plate(s)**	:	Refer to drawing No. QL3000DY-2-03
0.5.1.	L1e	Location of the manufacturer's statutory plate (15) (18)	:	L, X=250, Y=35, Z=850 Refer to drawing No. QL3000DY-2-02

Item No	(Sub) categories	Detailed information		
0.5.2.	L1e	Method of attachment	:	Be riveted in the left of the stand pipe
0.5.3.	L1e	Photographs and/or drawings of the statutory plate (completed example with dimensions)	:	Refer to drawing No. QL3000DY-2-03
0.6.	L1e	**Location of the vehicle identification number** [(2)]	:	R, X=250, Y=35, Z=850 Refer to drawing No. QL3000DY-2-02
0.6.1.	L1e	Photographs and/or drawings of the locations of the vehicle identification number (completed example with dimensions)	:	Refer to drawing No. QL3000DY-2-02
0.6.1.1.	L1e	The serial number of the type begins with	:	LB7FP010********* Refer to drawing No. QL3000DY-2-36
B.		**General information concerning systems, components or separate technical units**		
0.7.	L1e	**Make(s) (trade name(s) of manufacturer)**	:	n.a.
0.8.	L1e	**Type**	:	n.a.
0.9.	L1e	**Company name and address of manufacturer**	:	n.a.
0.10.	L1e	**Vehicle(s) for which the system/ separate technical unit is intended for** [(21)]	:	n.a.
0.11.	L1e	**Type-approval marks for components and separate technical units** [(19)] （	:	n.a.
C.		**General information regarding conformity of production and access to repair and maintenance information**		
0.12.		**Conformity of production**		
0.12.1.	L1e	Description of overall quality-assurance management systems	:	ISO 9001:2015
0.13.		**Access to repair and maintenance information**		
0.13.1.	L1e	Address of principal website for access to vehicle repair and maintenance information	:	http://www.sur-ron.com/

Item No	(Sub) categories	Detailed information		
0.13.2.	L1e	In the case of multi-stage type-approval, address of principal website for access to vehicle repair and maintenance information from manufacturer(s) at previous stage(s)	:	n.a.
1.		**GENERAL CONSTRUCTION CHARACTERISTICS**		
1.1.	L1e	Photographs and/or drawings of a representative vehicle	:	Refer to drawing No. QL3000DY-2-01
1.2.	L1e	Scale drawing of the whole vehicle	:	Refer to drawing No. QL3000DY-2-01
1.3.	L1e	Number of axles and wheels	:	2 axles , 2 wheels (one wheel in front axle and one wheel in rear axle)
1.3.1.	L1e	Axles with twinned wheels (23)	:	n.a.
1.3.2.	L1e	Powered axles (23)	:	R (Rear powered axle)
1.4.	L1e	Chassis (if any) (overall drawing)	:	Refer to drawing No. QL3000DY-2-04
1.5.		Material used for the bodywork	:	n.a. (only for L2e, L5e-B, L6e-B, L7e-A2, L7e-B2, L7e-C)
1.6.	L1e	Position and arrangement of the propulsion(s)	:	Refer to drawing No. QL3000DY-2-05
1.7.		Hand of drive	:	~~left/right/centre~~ (Only for L4e,L5e-B,L6e-B,L7e-A2,L7e-B2,L7e-C)
1.7.1.	L1e	Vehicle is equipped to be driven in right/ left-hand traffic and in countries that use metric/metric and imperial units (4)	:	Both right and left hand traffic and metric and imperial units
1.8.		**Propulsion unit performance**		
1.8.1.	L1e	Declared maximum vehicle speed	:	n.a.
1.8.2.	L1e	Maximum design vehicle speed (22)	:	40km/h
1.8.3.	L1e	Maximum net power combustion engine	:	n.a.
1.8.4.	L1e	Maximum net torque combustion engine	:	n.a.
1.8.5.	L1e	Maximum continuous-rated power electric motor (~~15~~/30 (4) minutes power (27))	:	2.05 kW at 2640min^{-1}

Item No	(Sub) categories	Detailed information		
1.8.6.	L1e	Maximum continuous-rated torque electric motor	:	8.0 N▪m at 2640 min^{-1}
1.8.7.	L1e	Maximum continuous total power for propulsion(s)	:	n.a.
1.8.8.	L1e	Maximum continuous total torque for propulsion(s)	:	n.a.
1.8.9.	L1e	Maximum peak power for propulsion(s)	:	n.a.
2.		**MASSES AND DIMENSIONS** (In kg and mm.) refer to drawings where applicable		
2.1.		**Range of vehicle mass (overall)**		
2.1.1.	L1e	Mass in running order	:	47kg
2.1.1.1.	L1e	Distribution of mass in running order between the axles	:	Front: 23kg Rear: 24kg
2.1.2.	L1e	Actual mass	:	133kg
2.1.2.1.	L1e	Distribution of actual mass between the axles	:	Front: 57 kg Rear: 76 kg
2.1.3.	L1e	Technically permissible maximum laden mass	:	140 kg
2.1.3.1.	L1e	Technically permissible maximum mass on front axle	:	57 kg
2.1.3.2.	L1e	Technically permissible maximum mass on rear axle	:	83 kg
2.1.3.3.	L4e	Technically permissible maximum mass on sidecar axle	:	n.a.
2.1.4.	L1e	Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer	:	15 °
2.1.5.	L1e	Maximum pay mass declared by manufacturer	:	7 kg
2.1.6.	L1e	Safe load carrying capacity of load platform declared by manufacturer	:	n.a.

Item No	(Sub) categories	Detailed information		
2.1.7.	L1e	Technically permissible maximum towable mass in case of (4)	:	n.a.
2.1.7.1.	L1e	Technically permissible maximum laden mass of the combination	:	n.a.
2.1.7.2.	L1e	Technically permissible maximum mass at the coupling point	:	n.a.
2.1.8.	L1e	Mass of the optional equipment	:	n.a.
2.1.9.	L1e	Mass of the superstructure	:	n.a.
2.1.10.	L1e	Mass of the propulsion battery	:	11 kg
2.1.11.		Mass of the doors	:	n.a. (only for L2e, L4e, L5e, L6e, L7e)
2.1.12.		Mass of the machines or equipment installed on the load platform area	:	n.a. (only for L2e-U, L5e-B, L6e-BU, L7e-CU)
2.1.13.	L1e	Mass of the gaseous fuel system as well as storage tanks for gaseous fuel	:	n.a.
2.1.14.	L1e	Mass of the storage tanks to store compressed air	:	n.a.
2.2.		**Range of vehicle dimensions (overall)**		
2.2.1.	L1e	Length	:	1860 mm
2.2.2.	L1e	Width	:	780 mm
2.2.3.	L1e	Height	:	1050 mm
2.2.4.	L1e	Wheelbase	:	1230 mm
2.2.4.1.	L4e	Wheelbase sidecar (28)	:	n.a.
2.2.5.		Track width	:	n.a.
2.2.6.	L7e-B	Front overhang	:	n.a.
2.2.7.	L7e-B	Rear overhang	:	n.a.

Item No	(Sub) categories	Detailed information		
2.2.8.		Load platform dimensions	:	n.a. (only for L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU)
2.2.9.		Centre of gravity	:	n.a. (only for L2e-U, L5e-B, L6e-BU, L7e-B2, L7e-CU)
2.2.10.		Miscellaneous dimensions:		
2.2.10.1.	L7e-B2	Approach angle (11)	:	n.a.
2.2.10.2.	L7e-B2	Departure angle (11)	:	n.a.
2.2.10.3.	L7e-B2	Ramp angle (11)	:	n.a.
2.2.10.4.	L7e-B2	Ground clearance under the front axle (11)	:	n.a.
2.2.10.5.	L7e-B2	Ground clearance under the rear axle (11)	:	n.a.
2.2.10.6.		Ground clearance between the axles (11)	:	n.a. (only for L1e-AxE (x=1, 2 or 3), L1e-AxT (x=1, 2 or 3) , L7e-B)
2.2.10.7.	L7e-B	Wheelbase to ground clearance ratio	:	
2.2.10.8.	L7e-B2	Static stability coefficient – Kst	:	n.a.
2.2.10.9.		Seat height	:	n.a. (only for L1e-A_XE, L1e-AxT)
2.2.10.10.		Ground clearance	:	n.a. (only for L1e-A_XE, L1e-AxT)
3.		**GENERAL POWERTRAIN CHARACTERISTICS**		
3.1.		**Manufacturer of the propulsion unit**		
3.1.1.		*Combustion engine*		
3.1.1.1.	L1e	Manufacturer	:	n.a.
3.1.1.2.	L1e	Engine code (as marked on the engine or other means of identification)	:	n.a.
3.1.1.3.	L1e	Fuel identification marking (if available)	:	n.a.
3.1.2.		*Electric motor*		
3.1.2.1.	L1e	Manufacturer	:	Jintan Weite Motor Co. Ltd
3.1.2.2.	L1e	Electric motor code (as marked on the engine or other means of identification)	:	182ZW4835408
3.1.3.	L1e	Hybrid application	:	n.a.

Item No	(Sub) categories	Detailed information		
3.2.		**Combustion engine**	:	n.a.
3.3.		**Pure electric and hybrid electric propulsion and control**		
3.3.1.	L1e	Electric vehicle configuration: pure electric/hybrid electric/manpower — electric	:	pure electric/~~hybrid electric/manpower electric~~
3.3.2.	L1e	Brief description and schematic drawing of pure and hybrid electric propulsions and its control system(s)	:	Refer to drawing No. QL3000DY-2-06
3.3.3.		Electric propulsion motor		
3.3.3.1.	L1e	Number of electric motors for propulsion	:	1
3.3.3.2.	L1e	Type (winding, excitation)	:	winding
3.3.3.3.	L1e	Operating voltage	:	60V
3.3.3.4.	L1e	~~15/~~30[4] minutes power[27]	:	2050W
3.3.4		Propulsion Batteries		
3.3.4.1.	L1e	Primary propulsion battery		
3.3.4.1.1.	L1e	Number of cells	:	1
3.3.4.1.2.	L1e	Mass	:	11 kg
3.3.4.1.3.	L1e	Capacity	:	32Ah
3.3.4.1.4.	L1e	Voltage	:	60V
3.3.4.1.5.	L1e	Position in the vehicle	:	Refer to drawing No. QL3000DY-2-05
3.3.4.2.	L1e	Secondary propulsion battery	:	n.a.
3.3.4.2.1.	L1e	Number of cells	:	n.a.
3.3.4.2.2.	L1e	Mass	:	n.a.
3.3.4.2.3.	L1e	Capacity	:	n.a.
3.3.4.2.4.	L1e	Voltage	:	n.a.
3.3.4.2.5.	L1e	Position in the vehicle	:	n.a.
3.3.5.		Hybrid electric vehicle		

Item No	(Sub) categories	Detailed information		
3.3.5.1.	L1e	Engine or motor combination (number of electric motor(s) and/or combustion engine(s)/other)	:	n.a.
3.3.5.2.	L1e	Category of hybrid electric vehicle	:	n.a.
3.3.5.3.	L1e	Operating mode switch	:	n.a.
3.3.5.4.	L1e	Selectable modes	:	n.a.
3.3.5.5.	L1e	Pure fuel consuming	:	n.a.
3.3.5.6.	L1e	Vehicle propelled with fuel cell	:	n.a.
3.3.5.7.	L1e	Hybrid operation modes	:	n.a.
3.3.6.		Energy storage device		
3.3.6.1.	L1e	Description	:	Battery
3.3.6.2.	L1e	Identification number	:	Refer to drawing No. QL3000DY-2-07
*3.3.6.3.	L1e	Kind of electrochemical couple	:	intercalated lithium compound
3.3.6.4.	L1e	Energy (for battery: voltage and capacity Ah in 2h, for capacitor: J,…, for flywheel/ generator: J,…,):	:	60V/32Ah
3.3.6.5.	L1e	Charger	:	~~On-board~~/external/~~without~~
		Working principle	:	Refer to drawing No. QL3000DY-2-33
3.3.7.		Electric motor (describe each type of electric motor separately)		
3.3.7.1.	L1e	Primary use	:	Propulsion motor/~~generator~~
3.3.7.2.	L1e	When used as propulsion motor	:	1
3.3.7.3.	L1e	Working principle	:	Refer to drawing No. QL3000DY-2-08
3.3.7.4.	L1e	Direct current/alternating current/number of phases	:	Direct current
3.3.7.5.	L1e	Separate excitation/series/compound	:	Separate excitation
3.3.7.6.	L1e	Synchronous/asynchronous	:	Synchronous
3.3.8.		Electric motor control unit		
3.3.8.1.	L1e	Identification number	:	Refer to drawing No. QL3000DY-2-06

Item No	(Sub) categories	Detailed information		
3.3.9.		Power controller		
3.3.9.1.	L1e	Identification number	:	Refer to drawing No. QL3000DY-2-07
3.4.		**Other engines, electric motors or combinations (specific information concerning the parts of these motors)**）	:	n.a.
3.5.		**Drive-train and control** (13)		
3.5.1.	L1e	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)	:	n.a.
3.5.2.		*Clutch*		
3.5.2.1.	L1e	Brief description and schematic drawing of the clutch and its control system	:	n.a.
3.5.3.		*Transmission*		
3.5.3.1.	L1e	Brief description and schematic drawing of gear shift system(s) and its control	:	Refer to drawing No. QL3000DY-2-09
3.5.3.2.	L1e	Drawing of the transmission	:	Refer to drawing No. QL3000DY-2-09
3.5.3.3.	L1e	Type	:	mechanical, ~~hydraulic, electric, manual/manual automated/automatic/CVT/other (indicate)~~ (4)
3.5.3.4.	L1e	A brief description of the electrical/ electronic components (if any)	:	n.a.
3.5.3.5.	L1e	Location relative to the engine	:	n.a.
3.5.3.6.	L1e	Method of control	:	n.a.
3.5.4.	L1e	*Gear ratios*		
		Overview gear ratios	:	7.602:1 Refer to drawing No. QL3000DY-2-09
3.6.		**Safe-cornering device**		
3.6.1.	L1e	Safe-cornering device (Annex VIII to Regulation (EU) No 168/2013	:	no (only for twinned wheels, L2e, L5e, L6e, L7e)
3.6.2.	L1e	Differential lock	:	~~yes/~~no~~/optional~~ (only for twinned wheels, L2e, L5e, L6e, L7e)

Item No	(Sub) categories	Detailed information		
3.6.3.	L1e	Brief description and schematic drawing of the safe-cornering device, the differential lock and their control systems	:	n.a.
3.7.		**Suspension and control**		
3.7.1.	L1e	Brief description and schematic drawing of suspension and its control system	:	Refer to drawing No. QL3000DY-2-10, QL3000DY-2-11
3.7.2.	L1e	Drawing of the suspension arrangements	:	Refer to drawing No. QL3000DY-2-10, QL3000DY-2-11
3.7.3.	L1e	Level adjustment	:	no
3.7.4.	L1e	Brief description of the electrical/ electronic components	:	n.a.
3.7.5.	L1e	Stabilisers	:	no
3.7.6.	L1e	Shock absorbers	:	yes
3.8.		Passenger-compartment heating system and air-conditioning	:	n.a.
3.9.		Cycles designed to pedal	:	n.a.
3.9.1.	L1e	Ratio manpower/electric power		n.a.
3.9.2.	L1e	Maximum assistance factor		n.a.
3.9.3.	L1e	Maximum vehicle speed for which the electric motor gives assistance		n.a.
3.9.4.	L1e	Switch-off distance		n.a.
4.		**GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION PERFORMANCE**		
4.0.		**General information on environmental and propulsion performance**		
4.0.1.	L1e	Environmental step	:	Euro 4
4.0.2.	L1e	Fuel consumption (provide details for each reference fuel tested)	:	n.a.
4.0.3.	L1e	CO_2 emission	:	n.a.
4.0.4.	L1e	Energy consumption	:	27Wh/km
4.0.5.	L1e	Electric range	:	69km

Item No	(Sub) categories	Detailed information		
4.1.		**Tailpipe emission-control system**	**:**	n.a.
4.2.		**Crankcase emission control system**	**:**	n.a.
4.3.		**Evaporative emission control system**	**:**	n.a.
4.4.		**Additional information on environmental and propulsion unit performance**	**:**	n.a.
5.		**VEHICLE PROPULSION FAMILY**		
5.1.	L1e	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	:	n.a.
6.		**INFORMATION ON FUNCTIONAL SAFETY**		
6.1.		**Audible warning devices**		
6.1.1.	L1e	Summary description of device(s) used and their purpose	:	One Electro-magnetic horn with resonator disc, single-tone warning
6.1.2.	L1e	Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle	:	Refer to drawing No. QL3000DY-2-12
6.1.3.	L1e	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. QL3000DY-2-12
6.1.4.	L1e	Electrical/~~pneumatic~~ circuit diagram	:	Refer to drawing No. QL3000DY-2-13
6.1.4.1.	L1e	Voltage	:	DC
6.1.4.2.	L1e	Rated voltage or pressure	:	12V
6.1.5.	L1e	Drawing of the mounting device	:	Refer to drawing No. QL3000DY-2-12

Item No	(Sub) categories	Detailed information		
6.2.		**Braking, including anti-lock and combined braking systems**		
6.2.1.	L1e	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 (4)	:	Refer to drawing No. QL3000DY-2-14, QL3000DY-2-15, QL3000DY-2-16, QL3000DY-2-17, QL3000DY-2-18, QL3000DY-2-19
6.2.2.	L1e	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 (4)	:	Refer to drawing No. QL3000DY-2-14, QL3000DY-2-09
6.2.2.1.	L1e	Front, rear and sidecar brakes, disc and/or drum (4)	:	Front : Disc; Rear: Disc
6.2.2.2.	L1e	Parking braking system	:	n.a.
6.2.2.3.	L1e	Any additional braking system	:	n.a.
6.2.3.	L1e	Vehicle is equipped to tow a trailer with no brake/overrun brake/electric/ pneumatic/hydraulic service brakes	:	n.a.
6.2.4.	L1e	Anti-lock/Combined braking system		
6.2.4.1.	L1e	Anti-lock braking system	:	n.a.
6.2.4.2.	L1e	Combined braking system	:	n.a.
6.2.4.3.	L1e	Anti-lock and combined braking system	:	n.a.
6.2.4.4.	L1e	Schematic drawing(s)	:	n.a.
6.2.5.	L1e	Hydraulic reservoir(s) (volume and location)	:	Refer to drawing No. QL3000DY-2-15
6.2.6.	L1e	Particular characteristics of the braking system(s)		
6.2.6.1.	L1e	Brake shoes and/or pads (4)	:	Refer to drawing No. QL3000DY-2-16, QL3000DY-2-17
6.2.6.2.	L1e	Linings and/or-pads (indicate make, type, grade of material or identification mark)	:	Refer to drawing No. QL3000DY-2-16, QL3000DY-2-17

Item No	(Sub) categories	Detailed information		
6.2.6.3.	L1e	Brake levers and/or pedals [4]	:	Refer to drawing No. QL3000DY-2-18, QL3000DY-2-19
6.2.6.4.	L1e	Other devices (where applicable)	:	n.a.
6.3.		**Electrical safety**		
6.3.1.	L1e	Brief description of the power circuit components installation and drawings/photographs showing the location of the power circuit components installation	:	Refer to drawing No.QL3000DY-2-08, QL3000DY-2-35
6.3.2.	L1e	Schematic diagram of all electrical functions included in power circuit	:	Refer to drawing No. QL3000DY-2-08
6.3.3.	L1e	Working voltage(s) (V)	:	60V
6.3.4.	L1e	Description of protection against electric-shocks	:	by bus isolation design and vehicle enclosure protection
6.3.5.	L1e	Fuse and/or circuit breaker	:	yes
6.3.5.1.	L1e	Diagram showing the functional range	:	Refer to drawing No. QL3000DY-2-35
6.3.6.	L1e	Configuration of power wiring harness	:	Refer to drawing No. QL3000DY-2-08
6.4.		**Front and rear protective structures**	:	n.a.
6.5.		**Glazing, windscreen wipers and washers, and defrosting and demisting systems**	:	n.a. (only for L2e, L5e, L6e, L7e)
6.6.		**Windscreen wiper(s)**	:	n.a. (only for L2e, L5e, L6e, L7e)
6.7		**Windscreen washer**	:	n.a. (only for L2e, L5e, L6e, L7e)
6.8.		**Defrosting and demisting**	:	n.a. (only for L2e, L5e, L6e, L7e)
6.9.		**Driver-operated controls including identification of controls, tell- tales and indicators**		
6.9.1.	L1e	Arrangement and identification of controls, tell-tales and indicators	:	Refer to drawing No. QL3000DY-2-20
6.9.2.	L1e	Photographs and/or drawings of the arrangement of symbols and controls, tell-tales and indicators	:	Refer to drawing No. QL3000DY-2-20

Item No	(Sub) categories	Detailed information		
6.9.3.	L1e	Controls, tell-tales and indicators for which, when fitted, identification is mandatory, including the identification symbols to be used for that purpose	:	Refer to drawing No. QL3000DY-2-20

Item No	(Sub) categories	Detailed information
6.9.4.	L1e	Summary table: the vehicle is equipped with the following driver-operated controls, including indicators and tell-tales (4) **Controls, tell-tales and indicators for which, when fitted, identification is mandatory, and symbols to be used for that purpose**

		symbol No	Device	Control/ indicator available (+)	Identified by symbol (+)	Where (++)	Tell-tale available (+)	Identified by Symbol (+)	Where (++)
		1	Master light	-	-	-	-	-	-
		2	Dipped-beam head lamps	-	-	-	-	-	-
		3	Main-beam head lamps	-	-	-	-	-	-
		4	Position(side) lamps	-	-	-	-	-	-
		5	Front fog Lamp	-	-	-	-	-	-
		6	Rear fog Lamps	-	-	-	-	-	-
		7	Headlamp Levelling device	X	-	-	-	-	-
		8	Parking Lamps	-	-	-	-	-	-
		9	Direction Indicators	X	X	c	X	X	d
		10	Hazard Warning	-	-	-	-	-	-
		11	Windscreen Wiper	-	-	-	-	-	-
		12	Windscreen Washer	-	-	-	-	-	-
		13	Windscreen wiper and washer	-	-	-	-	-	-
		14	Headlamp cleaning device	-	-	-	-	-	-

Item No	(Sub) categories	Detailed information							
		15	Windscreen demisting and defrosting	-	-	-	-	-	-
		16	Rear window demisting and defrosting	-	-	-	-	-	-
		17	Ventilating fan	-	-	-	-	-	-
		18	Diesel pre-heat	-	-	-	-	-	-
		19	Choke	-	-	-	-	-	-
		20	Brake failure	-	-	-	-	-	-
		21	Fuel level	-	-	-	-	-	-
		22	Battery charging condition	-	-	-	-	-	-
		23	Engine coolant temperature	-	-	-	-	-	-
		24	Malfunction Indicator light (MI)	-	-	-	-	-	-
		(+) x = Yes. - = No or not separately available. o = Optional. (++) d = Directly on control, indicator or tell-tale. c = In close vicinity.							

Item No	(Sub) categories	Detailed information							
6.9.5.	L1e	**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	-	-	-	-	-	-
		(+) 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*							

Item No	(Sub) categories	Detailed information		
6.10.1.1.	L1e	Photographs and/or drawings of the complete system	:	Refer to drawing No. QL3000DY-2-21
6.10.1.2.	L1e	Vehicle speed range displayed	:	0~99 km/h, 0~99mph
6.10.1.3.	L1e	Tolerance of the measuring mechanism of the speedometer	:	4~8%
6.10.1.4.	L1e	Technical constant of the speedometer	:	one revolution of the motor, one signal input
6.10.1.5.	L1e	Method of operation and description of the drive mechanism	:	Sensors collecting pulse signal, according to the signal interval and tire circumference computation speed
6.10.1.6.	L1e	Overall transmission ratio of the drive mechanism	:	1:7.6
6.10.2.	L1e	*Odometer*		
6.10.2.1.		Tolerance of the measuring mechanism of the odometer	:	4~8%
6.10.2.2.		Method of operation and description of the drive mechanism	:	Sensors collecting pulse signal, according to the tire circumference computation mileage
6.11.		**Installation of lighting, light-signalling devices, including automatic switching of lighting**		
6.11.1.	L1e	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))	:	List as below

Item No	(Sub) categories	Detailed information

Lamp function	QTY.	Color	Tell-tale	Max. intensity	Make	Type	Approval Number
Passing beam	2	white	no	---	JK	JKM-D1212	E4-113R-0017386
Front position lamp	2	white	no	---	JK	JKM-D1212	E4-50R-0017386
Front direction indicator	2	amber	green	---	JIALI	1516TU	E4-50R-002663
Rear direction indicator	2	amber	green	---	JIALI	1516TU	E4-50R-002663
Rear position lamp Stop lamp	1	red	no	---	JK	JKM-W1212	E4-50R-0017387
Rear registration plate lamp	1	white	no	---	JK	JKM-W1212	E4-50R-0017387
Side reflector	2	amber	no	---	K-LITE	KM-101	IA-E9-02.1270
Rear reflector	1	red	no	---	K-LITE	KM-206	IA-E9-02.1201

6.11.2.	L1e	Diagram showing the location of the lighting and light-signalling devices	:	Refer to drawing No. QL3000DY-2-22
6.11.3.	L1e	Hazard warning lamps	:	n.a.
6.11.4.	L1e	Brief description of the electrical and/or electronic components used in the lighting system and in the light-signalling system	:	n.a.
6.11.5.	L1e	For every lamp and reflector, supply the following information (in writing and/or by diagram)		
6.11.5.1.	L1e	Drawing showing the extent of the illuminating surface	:	Refer to drawing No. QL3000DY-2-22, QL3000DY-2-23, QL3000DY-2-24
6.11.5.2.	L1e	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)	:	Illuminating surface
6.11.5.3.	L1e	Axis of reference and centre of reference	:	Refer to drawing No. QL3000DY-2-22, QL3000DY-2-23, QL3000DY-2-24, QL3000DY-2-25
6.11.5.4.	L1e	Method of operation of concealable lamps	:	n.a.

Item No	(Sub) categories	Detailed information		
6.11.6.	L1e	Description/drawing and type of headlamp levelling device (e.g. automatic, stepwise manually adjustable, continuously manually adjustable) (4)	:	continuously manually adjustable
6.11.6.1.	L1e	Control device	:	Refer to drawing No. QL3000DY-2-23
6.11.6.2.	L1e	Reference marks	:	n.a.
6.11.6.3.	L1e	Marks assigned for loading conditions	:	n.a.
6.12.		**Rearward visibility**		
6.12.1.		*Rear-view mirrors (stating for each mirror)*		
6.12.1.1.	L1e	Drawing(s) for the identification of the mirror showing the position of the mirror relative to the vehicle structure	:	Refer to drawing No. QL3000DY-2-26
6.12.1.2.	L1e	Details of the method of attachment including that part of the vehicle structure to which it is attached	:	Refer to drawing No. QL3000DY-2-27
6.12.1.3.	L1e	A brief description of the electronic components of the adjustment system	:	n.a.
6.12.2.	L1e	*Devices for indirect vision other than mirrors*		
6.12.2.1.	L1e	Description of the device	:	n.a.
6.12.2.2.	L1e	In the case of a camera-monitor device, the detection distance (mm), contrast, luminance range, glare correction, display performance (black and white/colour (4)), image repetition frequency, luminance reach of the monitor (4)	:	n.a.
6.12.2.3.	L1e	Sufficiently detailed drawings to identify the complete device, including installation instructions; the position for the EU type-approval mark has to be indicated on the drawings	:	n.a.
6.13.		**Rollover protective structure (ROPS)**		
6.13.1.	L7e-B2	Detailed technical description, position, fixing, etc. (including photographs or drawings)	:	n.a.

Item No	(Sub) categories	Detailed information		
6.13.2.		*ROPS by Frame* (4)		
6.13.2.1.	L7e-B2	Internal and external dimensions	:	n.a.
6.13.2.2.	L7e-B2	Material(s) and method of construction	:	n.a.
6.13.3.		*ROPS by Cab* (4)		
6.13.3.1.	L7e-B2	Other weather protection arrangements (description)	:	n.a.
6.13.3.2.	L7e-B2	Internal and external dimensions	:	n.a.
6.13.4.		*ROPS by Roll bar(s) mounted at front/rear* (4)*, fold-down/not fold down* (4)		
6.13.4.1.	L7e-B2	Dimensions	:	n.a.
6.13.4.2.	L7e-B2	Material(s) and method of construction	:	n.a.
6.14.		**Safety belts and/or other restraints**	:	n.a. (only for L2e, L4e, L5e-B, L6e-B, L7e)
6.15.		**Safety belt anchorages**		n.a. (only for L2e, L4e, L5e-B, L6e-B, L7e)
6.16.		**Seating positions (saddles and seats)**		
6.16.1.	L1e	Number of seating positions	:	1
6.16.1.1.		Location and arrangement (8)	:	n.a. (only for L2e, L5e, L6e, L7e)
6.16.2.	L1e	Seating position configuration	:	saddle
6.16.3.	L1e	Description and drawings of	:	Refer to drawing No. QL3000DY-2-28
6.16.3.1.	L1e	The seats and their anchorages	:	n.a.
6.16.3.2.	L1e	The adjustment system	:	n.a.
6.16.3.3.	L1e	The displacement and locking systems	:	n.a.
6.16.3.4.	L1e	The seat-belt anchorages incorporated in the seat structure	:	n.a.
6.16.3.5.	L1e	The parts of the vehicle used as anchorages	:	n.a.
6.16.4.		Coordinates or drawing of the R-point(s) of all seating positions	:	n.a. (only for L2e, L4e, L5e-B, L6e-B, L7e)
6.16.4.1.		Driver's seat	:	n.a. (only for L2e, L4e, L5e-B, L6e-B, L7e)
6.16.4.2.		All other seating positions	:	n.a. (only for L2e, L4e, L5e-B, L6e-B, L7e)

Item No	(Sub) categories	Detailed information		
6.16.5.	L1e	Design torso angle	:	n.a.
6.16.5.1.	L1e	Driver's seat	:	n.a.
6.16.5.2.	L1e	All other seating positions	:	n.a.
6.16.6.1.	L1e	Driver's seat	:	n.a.
6.16.6.2.	L1e	All other seating positions	:	n.a.
6.17.		**Steer-ability, cornering properties and turn-ability**		
6.17.1.	L1e	Schematic diagram of steered axle(s) showing steering geometry	:	Refer to drawing No. QL3000DY-2-10
6.17.2.		*Transmission and control of steering*		
6.17.2.1.	L1e	Configuration of steering transmission (specify for front and rear)	:	Refer to drawing No. QL3000DY-2-10
6.17.2.2.	L1e	Linkage to wheels (including other than mechanical means; specify for front and rear)	:	Refer to drawing No. QL3000DY-2-10
6.17.2.2.1.	L1e	A brief description of the electrical/ electronic components	:	n.a.
6.17.2.3.	L1e	Diagram of the steering transmission	:	Refer to drawing No. QL3000DY-2-10
6.17.2.4.		Schematic diagram(s) of the steering control(s)	:	n.a. (only for L2e, L5e, L6e, L7e)
6.17.2.5.		Range and method of adjustment of the steering control(s)	:	n.a. (only for L2e, L5e, L6e, L7e)
6.17.2.6.		Method of assistance	:	n.a. (only for L2e, L5e, L6e, L7e)
6.17.3.		*Maximum steering angle of the wheels*		
6.17.3.1.	L1e	To the right	:	45°
6.17.3.2.	L1e	To the left	:	45°
6.18.		**Tyres/wheels combination**		
6.18.1.		*Tyres*		
6.18.1.1.		Size designation		
6.18.1.1.1.	L1e	Axle 1	:	Front: 70/100-19, 42M

Item No	(Sub) categories	Detailed information		
6.18.1.1.2.	L1e	Axle 2	:	Rear: 70/100-19, 42M
6.18.1.1.3.	L1e	Sidecar wheel	:	n.a.
6.18.1.2.	L1e	Minimum load-capacity index	:	Front: 16 Rear: 22
6.18.1.3.	L1e	Minimum-speed category Symbol compatible with the theoretical maximum design vehicle speed	:	B
6.18.1.4.	L1e	Tyre pressure(s) as recommended by the vehicle manufacturer	:	Front: 225 kPa Rear: 225 kPa
6.18.2.		*Wheels*		
6.18.2.1.	L1e	Rim size(s)	:	Front: 19×1.4, Rear : 19×1.4
6.18.2.2.	L1e	Categories of use compatible with the vehicle	:	normal
6.18.2.3.	L1e	Nominal rolling circumference	:	Front:1970mm Rear :1970mm
6.19.		Vehicle maximum speed limitation plate and its location on the vehicle	:	n.a. (only for L7e-B1 and L7e-B2）
6.20.		**Vehicle occupant protection, including interior fittings and vehicle doors**	:	n.a. (only for L2e, L5e-B, L6e-B, L7e)
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	Number (minimum two, exemption L1e-A3 and L4e-A3)	:	2
6.21.1.2.	L1e	How is the redundancy of governors ensured?	:	1.Reduction of the maximum power output of electric motors based on rotation speed as sensed internally to the electric motor 2. Physical vehicle speed limitation by a maximum achievable revolution speed of an electric motor
6.21.1.3.	L1e	Nominal cut-off point no 1		

Item No	(Sub) categories	Detailed information		
6.21.1.3.1.	L1e	Engine/motor/drive-train rotation speed at which cut-off starts under load	:	2640 rpm
6.21.1.3.2.	L1e	Maximum rotation speed at the minimum engine load	:	2640 rpm
6.21.1.4.	L1e	Nominal cut-off point no 2		
6.21.1.4.1.	L1e	Engine/motor/drive-train rotation speed at which cut-off starts under load(4)	:	2640 rpm
6.21.1.4.2.	L1e	Maximum rotation speed at the minimum engine load	:	2640rpm
6.21.1.5.	L1e	The stated purpose of governor(s) maximum design vehicle speed limitation/maximum power limitation/engine over-speed protection (4):	:	n.a.
7.		**INFORMATION ON VEHICLE CONSTRUCTION**		
7.1.		**Coupling devices and attachments**		
7.1.1.	L1e	L-category vehicle equipped with coupling device	:	~~yes~~/no/~~optional~~ (4)
7.1.2.	L1e	Guidelines and information for consumers in all EU languages regarding the impact on the driveability of using a trailer with an L-category vehicle included in the owner's manual	:	~~yes/~~no (4)
7.1.3.	L1e	For coupling-device approved as separate technical unit: installation and operating instructions added to documentation	:	~~yes/~~no (4)
7.1.4.	L1e	Photographs and/or drawings showing the position and the construction of the coupling-devices	:	n.a.
7.1.5.	L1e	Instructions for attaching the coupling-type to the vehicle and photographs or drawings of the fixing points on the vehicle as stated by the manufacturer; additional information, if the use of the coupling-type is restricted to certain variants or versions of the vehicle type	:	n.a.

Item No	(Sub) categories	Detailed information		
7.1.6.	L1e	Attachment points for a secondary coupling and/or breakaway cable (drawings and pictures may be used as appropriate)	:	~~yes/~~no (4)
7.2.		**Devices to prevent unauthorised use**		
7.2.1.		*Protective device*		
7.2.1.1.	L1e	Summary description of protective device(s) used	:	Type 1 Push then counter clock wise to lock, refer to drawing No. QL3000DY-2-29
7.2.2.		*Vehicle immobiliser*		
7.2.2.1.	L1e	Technical description of the vehicle immobiliser and of the measures taken against inadvertent activation	:	n.a.
7.2.3.		*Alarm system*		
7.2.3.1.	L1e	Description of the alarm system and of the vehicle parts involved in its installation	:	n.a.
7.2.3.2.	L1e	List of the main components comprising the alarm system	:	n.a.
7.3.		**Electromagnetic compatibility (EMC)**		
7.3.1.	L1e	Requirements under UNECE Regulation No 10 (OJ L 254, 20.9.2012, p. 1) are met with relevant documentation included in the information document UN R10(OJL 254,20.9.2012,P1)	:	yes~~/no~~ (4)
7.3.2.	L1e	Table or drawing of radio-interference control equipment	:	Refer to drawing No. QL3000DY-2-06
7.3.3.	L1e	Particulars of the nominal value of the direct-current resistance, and, in the case of resistive ignition cables, of their nominal resistance per metre	:	n.a.

Item No	(Sub) categories	Detailed information		
7.4.		**External projections**		
7.4.1.	L1e	General arrangement (drawing or photographs accompanied if necessary by dimensional details and/or text) indicating the position of the attached sections and views, of any parts of the exterior surface which can be regarded as critical for external projections, for example, and where relevant: bumpers, floor line, door and window pillars, air-intake grilles, radiator grille, windscreen wipers, rain gutter channels, handles, slide rails, flaps, door hinges and locks, hooks, eyes, winches, decorative trim, badges, emblems and recesses and any other parts of the exterior surface which can be regarded as critical (e.g. lighting equipment)	:	N.A. (only for vehicle with bodywork)
7.5.		**Fuel storage**		
7.5.1.		*Fuel tank(s)*		
7.5.1.1.		Main fuel tank(s)		
7.5.1.1.1.	L1e	Maximum capacity	:	n.a.
7.5.1.1.2.	L1e	Materials used	:	n.a.
7.5.1.1.3.	L1e	Fuel tank inlet	:	n.a.
7.5.1.2.		Reserve fuel tank(s)		
7.5.1.2.1.	L1e	Maximum capacity	:	n.a.
7.5.1.2.2.	L1e	Materials used	:	n.a.
7.5.1.2.3.	L1e	Fuel tank inlet	:	n.a.
7.5.1.3.	L1e	Drawing and technical description of the tank(s) with connections and lines of the breathing and venting system, locks, valves, fastening devices	:	n.a.
7.5.1.4.	L1e	Drawing clearly showing the position of the tank(s) in the vehicle	:	n.a.
7.5.1.5.	L1e	Drawing of the heat shield between tank and exhaust device	:	n.a.

Item No	(Sub) categories	Detailed information		
7.5.2.		*Compressed natural gas (CNG) container(s)*	:	n.a.
7.5.3.	L1e	*Liquefied petroleum gas (LPG)container(s)*	:	n.a.
7.6.		**On-board diagnostics (OBD) functional requirements**		
7.6.1.		*On-board diagnostics system*		
7.6.1.1.	L1e	Stage I	:	n.a.
7.6.1.2.	L1e	Stage II	:	n.a.
7.6.2.		*OBD system general information*		
7.6.2.1.	L1e-L7e (10)	Written description and/or drawing of the malfunction indicator (MI)	:	n.a.
7.6.2.2.	L1e-L7e (10)	List and purpose of all components monitored by the OBD system	:	n.a.
7.6.2.3.	L1e-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	:	n.a.
7.6.2.4.	L1e-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	:	n.a.
7.6.2.5.	L1e-L7e (10)	Written description of the communication protocol(s) supported	:	n.a.
7.6.2.6.	L1e-L7e (10)	Physical location of diagnostic-connector (add drawings and photographs)	:	n.a.
7.6.2.7.	L1e-L7e (10)	Written description in case of voluntary compliance with OBD stage II (general working principles):	:	n.a.

Item No	(Sub) categories	Detailed information		
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:		
7.6.3.1.	L1e-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	:	n.a.
7.6.3.2.	L1e-L7e (10)	For vehicle types using a communication link in accordance with ISO 15765-4 'RoXYZ 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	:	n.a.
7.6.3.3.	L1e-L7e (10)	The information required above may be provided in table form as described below.	:	n.a.
7.6.3.4.	L1e-L7e (10)	Description of ETC diagnostic fault codes	:	n.a.

Item No	(Sub) categories	Detailed information		
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.	L1e-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:	:	n.a.
7.6.4.2.	L1e-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:	:	n.a.
7.6.4.3.	L1e-L7e (10)	A list of all available live data parameters including scaling and access information;	:	n.a.
7.6.4.4.	L1e-L7e (10)	A list of all available functional tests including device activation or control and the means to implement them;	:	n.a.
7.6.4.5.	L1e-L7e (10)	Details of how to obtain all component and status information, time stamps, pending DTC and freeze frames;	:	n.a.
7.6.4.6.	L1e-L7e (10)	~~PCU/~~ECU identification and variant coding;	:	n.a.
7.6.4.7.	L1e-L7e (10)	Details of how to reset service lights;	:	n.a.
7.6.4.8.	L1e-L7e (10)	Location of diagnostic connector and connector details;	:	n.a.
7.6.4.9.	L1e-L7e (10)	Engine code identification.	:	n.a.

Item No	(Sub) categories	Detailed information		
7.6.5.		*Test and diagnosis of OBD monitored components*		
7.6.5.1.	L1e-L7e (10)	A description of tests to confirm its functionality, at the component or in the harness	:	n.a.
7.7.		**Passenger handholds and footrests**		
7.7.1.		*Handholds*		
7.7.1.1.	L1e	Configuration	:	n.a.
7.7.1.2.	L1e	Photographs and/or drawings showing the location and the construction	:	n.a.
7.7.2.		*Footrests*		
7.7.2.1.	L1e	Photographs and/or drawings showing the location and the construction	:	Refer to drawing No. QL3000DY-2-32
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. QL3000DY-2-30
7.8.1.1.	L1e	Height above road surface, upper edge	:	Refer to drawing No. QL3000DY-2-30
7.8.1.2.	L1e	Height above road surface, lower edge	:	Refer to drawing No. QL3000DY-2-30
7.8.1.3.	L1e	Distance of the centre line from the longitudinal median plane of the vehicle	:	0 mm
7.8.1.4.	L1e	Dimensions (length x width)	:	145 x 125 mm or 100 x 175 mm
7.8.1.5.	L1e	Inclination of the plane to the vertical	:	30°
7.8.1.6.	L1e	Angle of visibility in the horizontal plane	:	Refer to drawing No. QL3000DY-2-30
7.9.		**Stands**		
7.9.1.	L1e	Configuration	:	~~central and/or~~ side (4)
7.9.2.	L1e	Construction material used	:	aluminium alloy
7.9.3.	L1e	Photographs and drawings showing the location of the stand(s) in relation to the structure of the vehicle	:	Refer to drawing No. QL3000DY-2-31

Item No	(Sub) categories	Detailed information		
7.9.4.	L1e	Description of the method to prevent contact of the stand with the ground when the vehicle is being propelled	:	Refer to drawing No. QL3000DY-2-31

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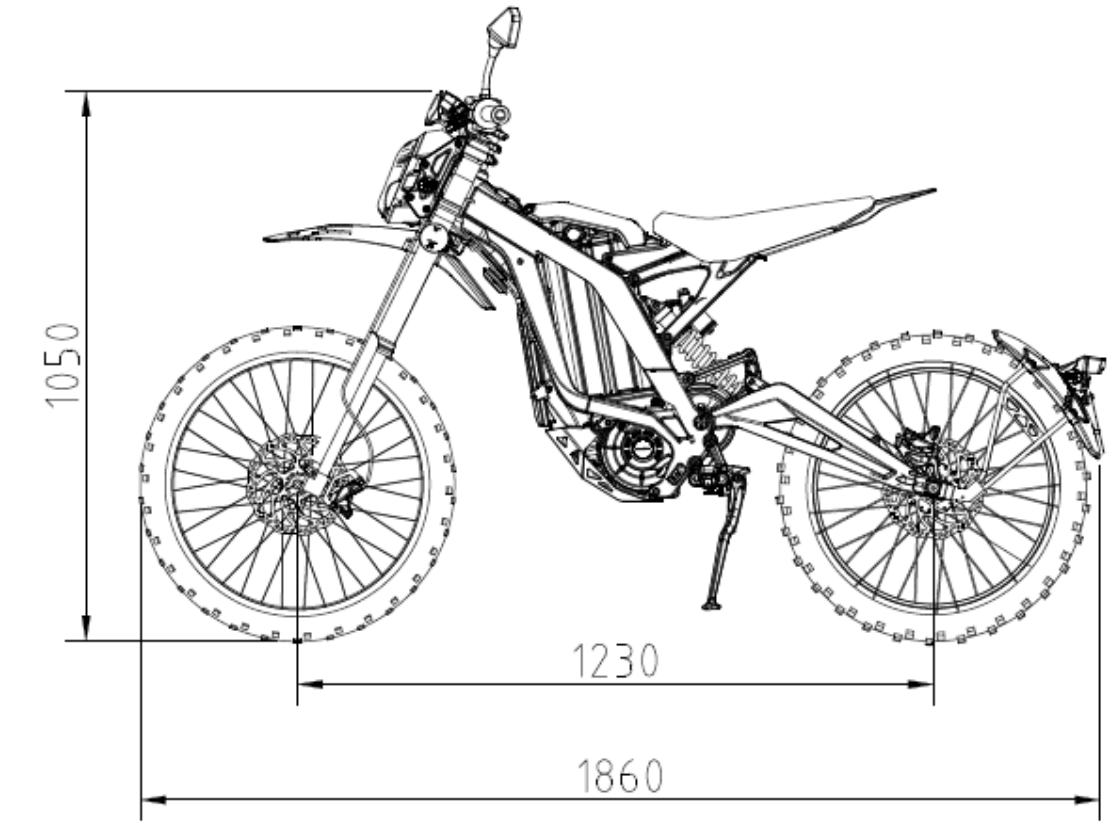

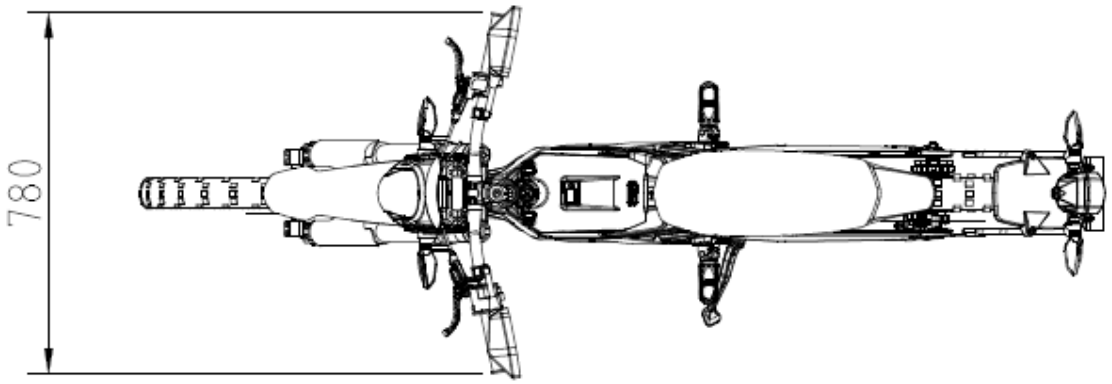

Vehicle Type	QL3000DY-2
Complete Vehicle-Dimension	
Drawing No.	QL3000DY-2-01

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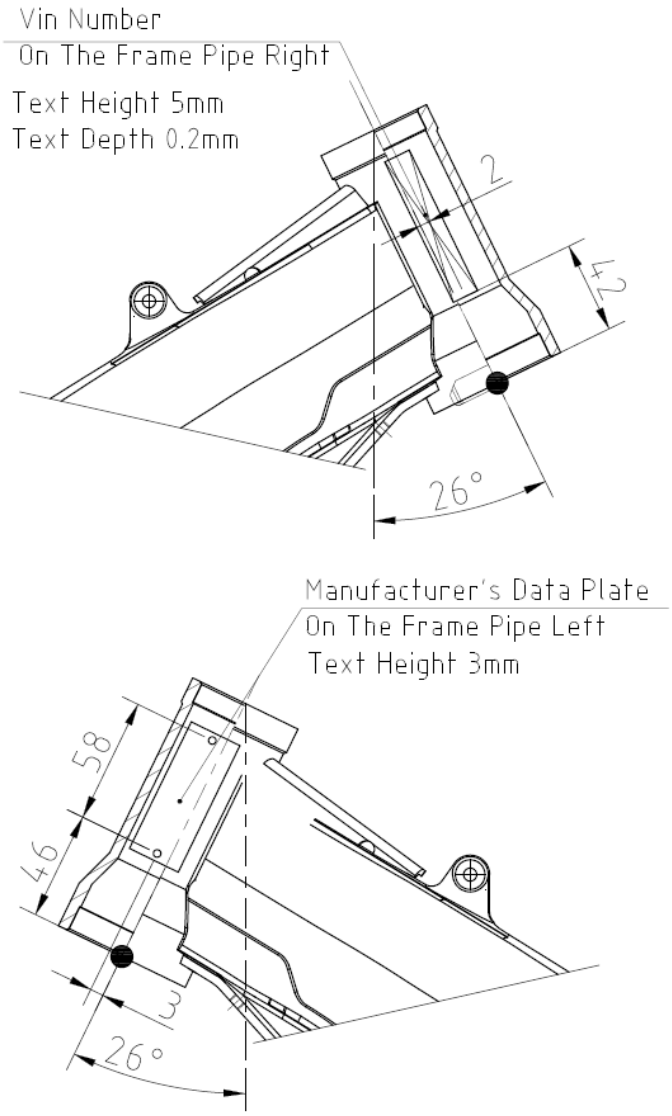
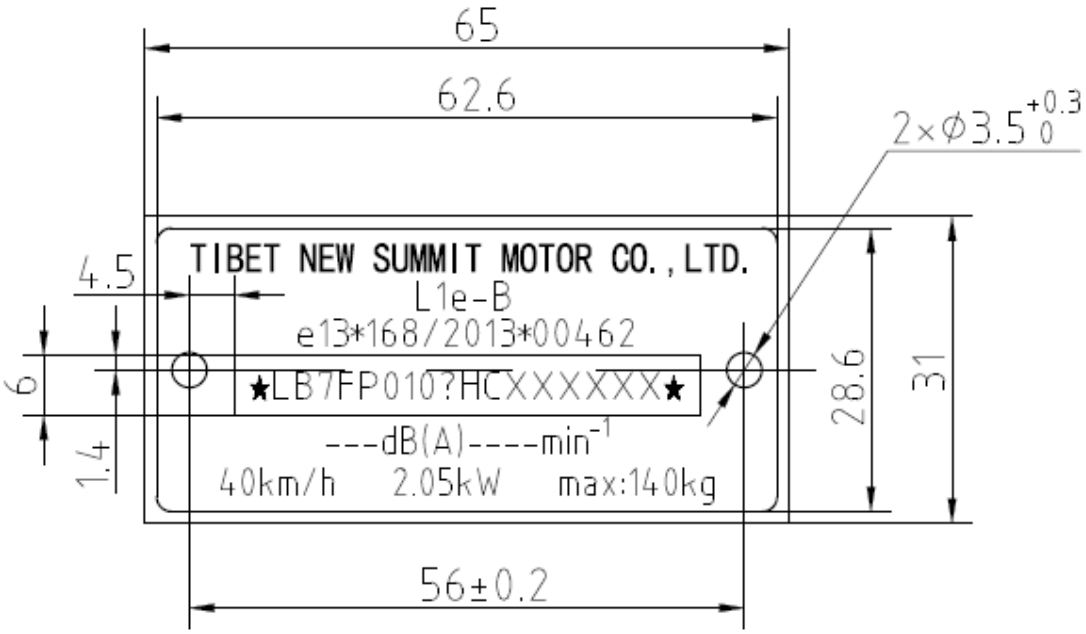


VIN position: R : X=250,Y=35,Z=850

Manufacturers data plate POSITION: L: X=250,Y=35,Z=850

Vehicle Type	QL3000DY-2
Location of the Statutory Inscription and the Chassis Number	
Drawing No.	QL3000DY-2-02



Text Height:3mm

Text Depth :0.2mm

Vehicle Type	QL3000DY-2
Manufacture's Data Plate	
Drawing No.	QL3000DY-2-03

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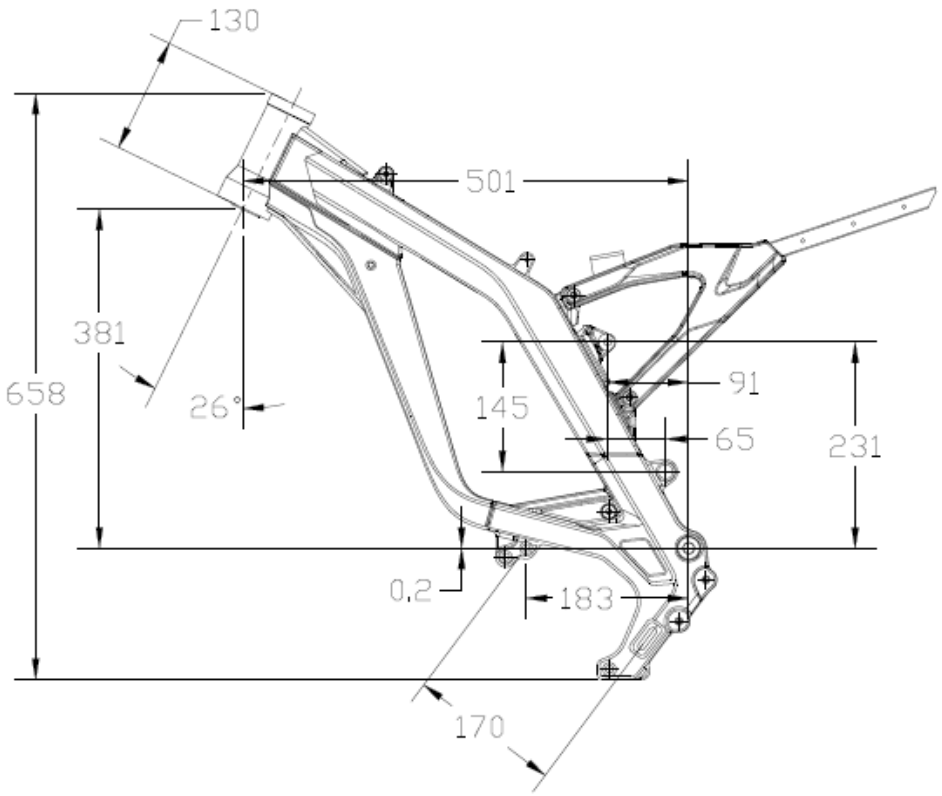

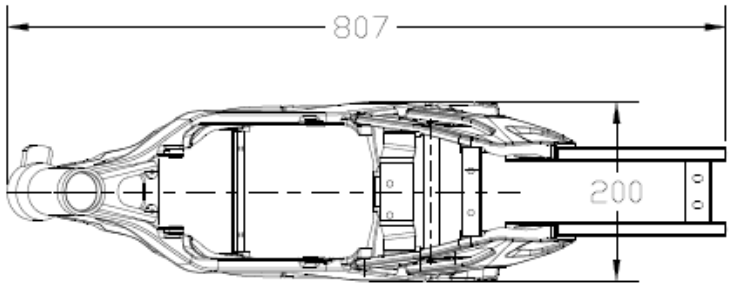

Material:Aluminium Alloy-6061-GB/T3190

Vehicle Type	QL3000DY-2
Chassis	
Drawing No.	QL3000DY-2-04

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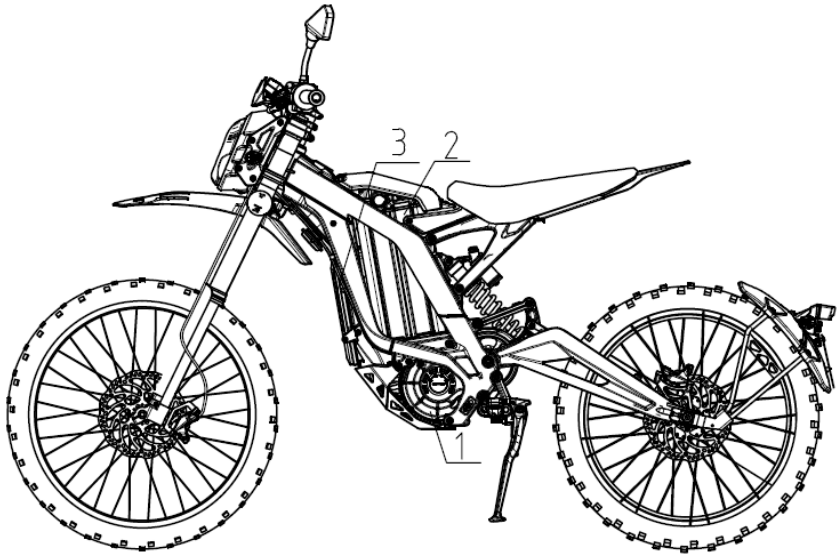

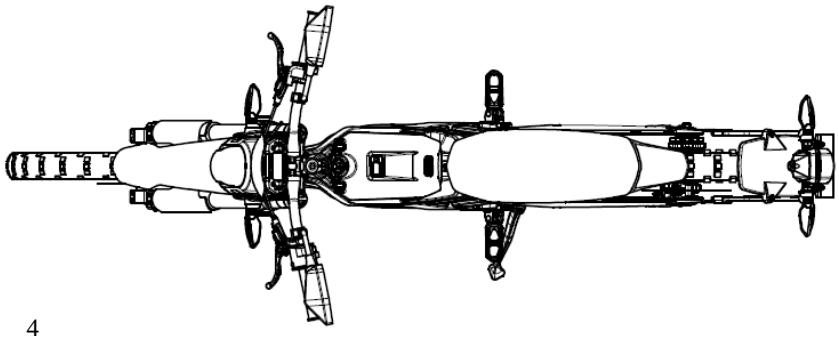

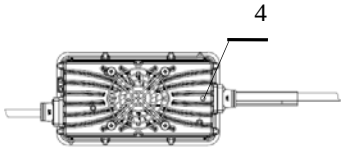

S/N	Name	Drawing No.	Specifications
1	MOTOR	Drawing 09	11000- YQ2A
2	BATTERY	Drawing 07	26000-YQ2A
3	CONTROLER	Drawing 06	21100-YQ2A
4	CHARGER	Drawing 33	21700-YQ2A

Vehicle Type	QL3000DY-2
Battery Position	
Drawing No.	QL3000DY-2-05

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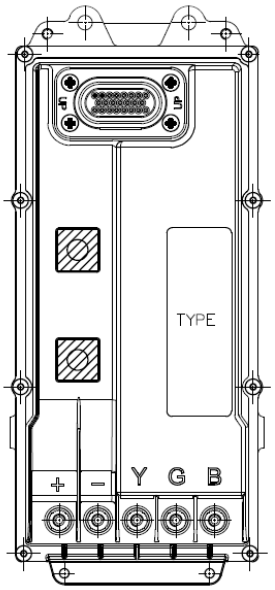


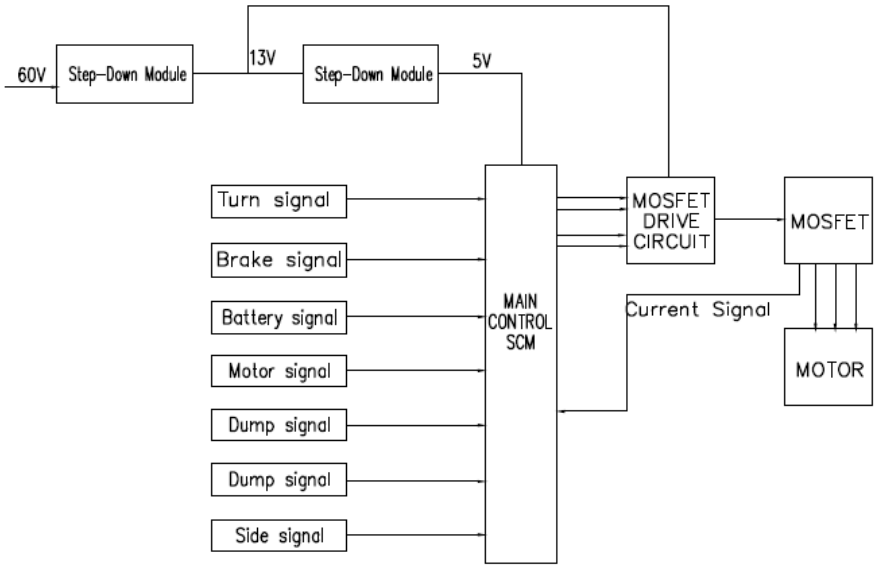
TYPE:

21100-YQ2A

PV:60V

PN:21105-YQ2A-0100

SN:XXXXXXXXX



MAKE: Chongqing Qiulong Technology Co.，LTD.

TYPE: 21100-YQ2A

Vehicle Type	QL3000DY-2
Sketch Of Control System	
Drawing No.	QL3000DY-2-06

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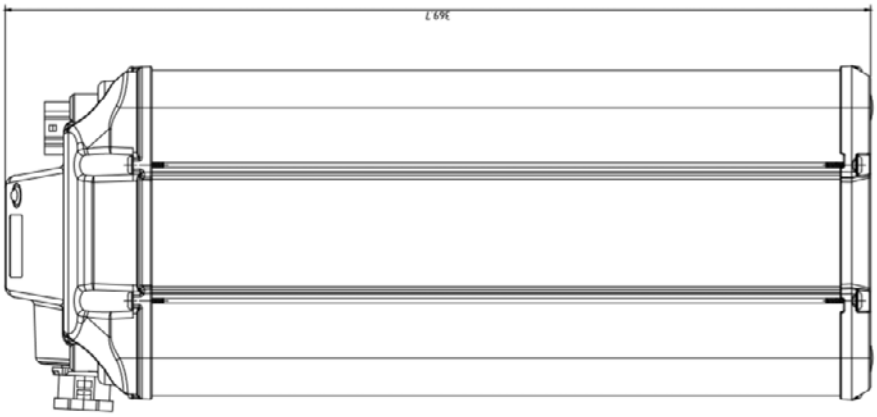

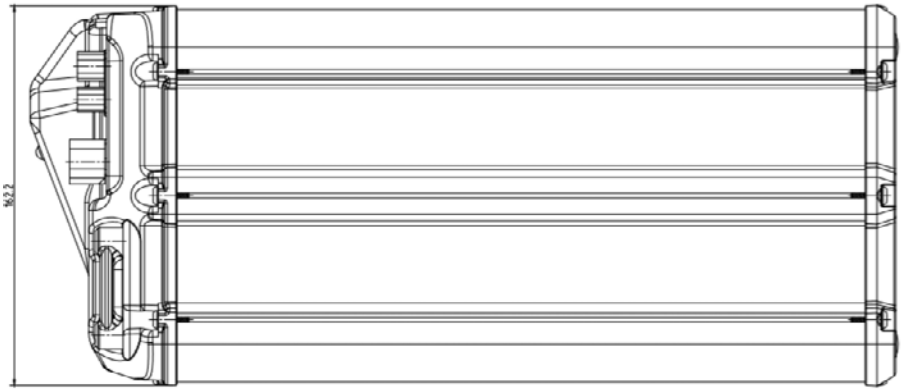

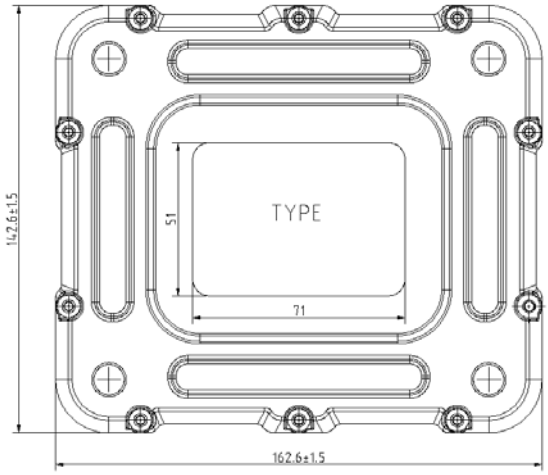

MAKE:NAPU

TYPE: 26000-YQ2A

Vehicle Type	QL3000DY-2
Battery	
Drawing No.	QL3000DY-2-07

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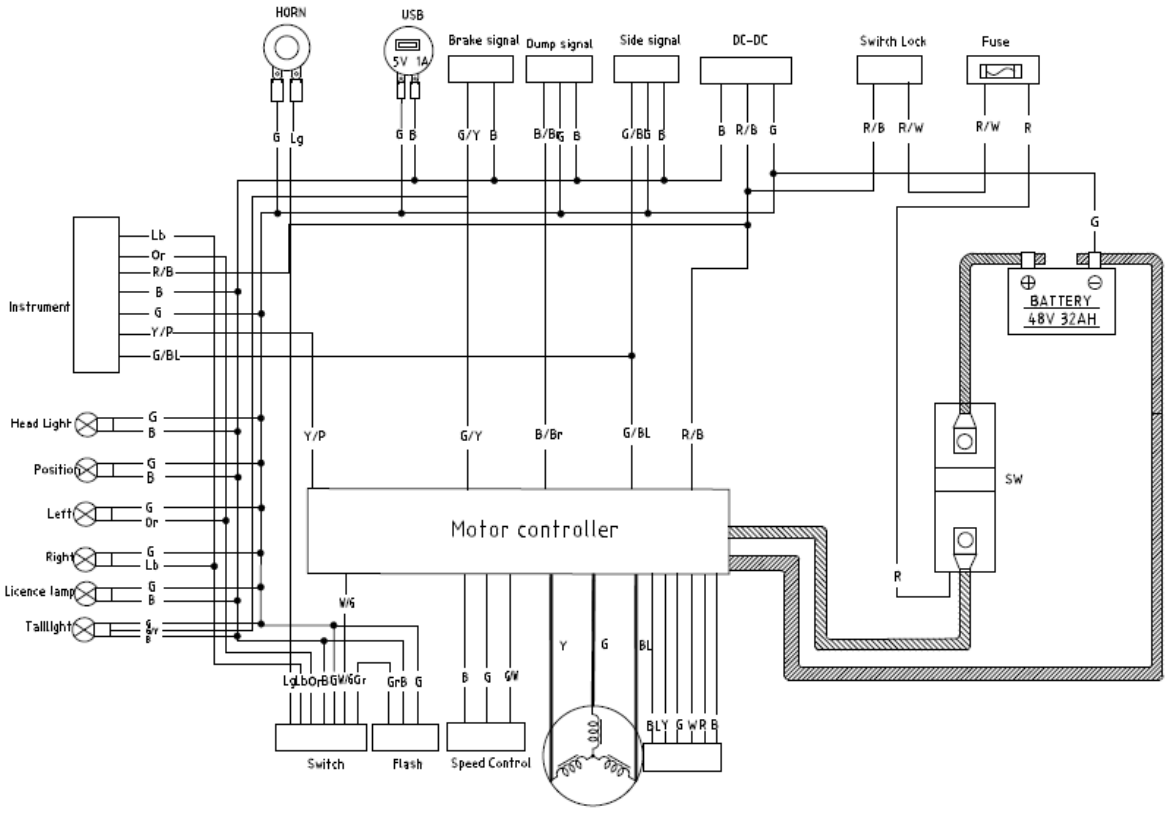
Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



Vehicle Type	QL3000DY-2
General Circuit Diagram	
Drawing No.	QL3000DY-2-08

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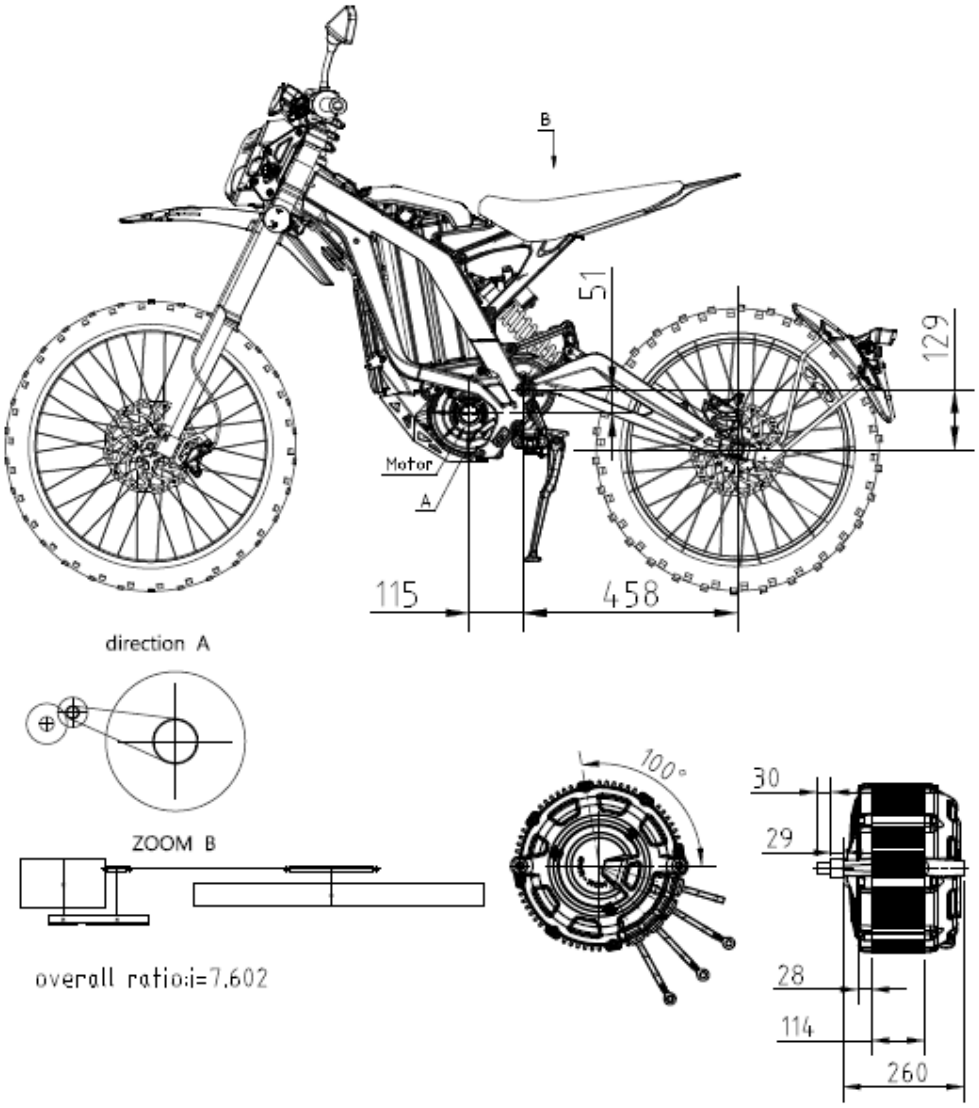
Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017



Make:Jintan Weite Motor Co. Ltd

Type:182ZW4835408

Vehicle Type	QL3000DY-2
Transmission System	
Drawing No.	QL3000DY-2-09

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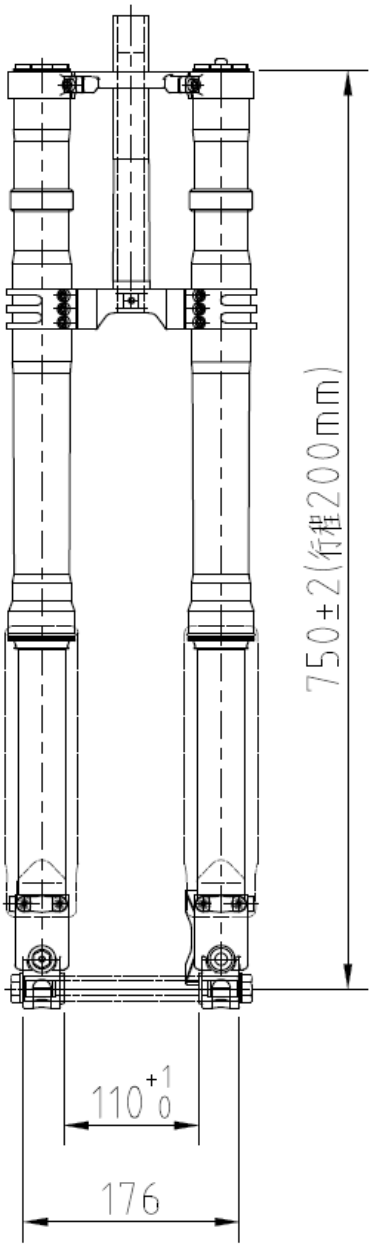
Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017



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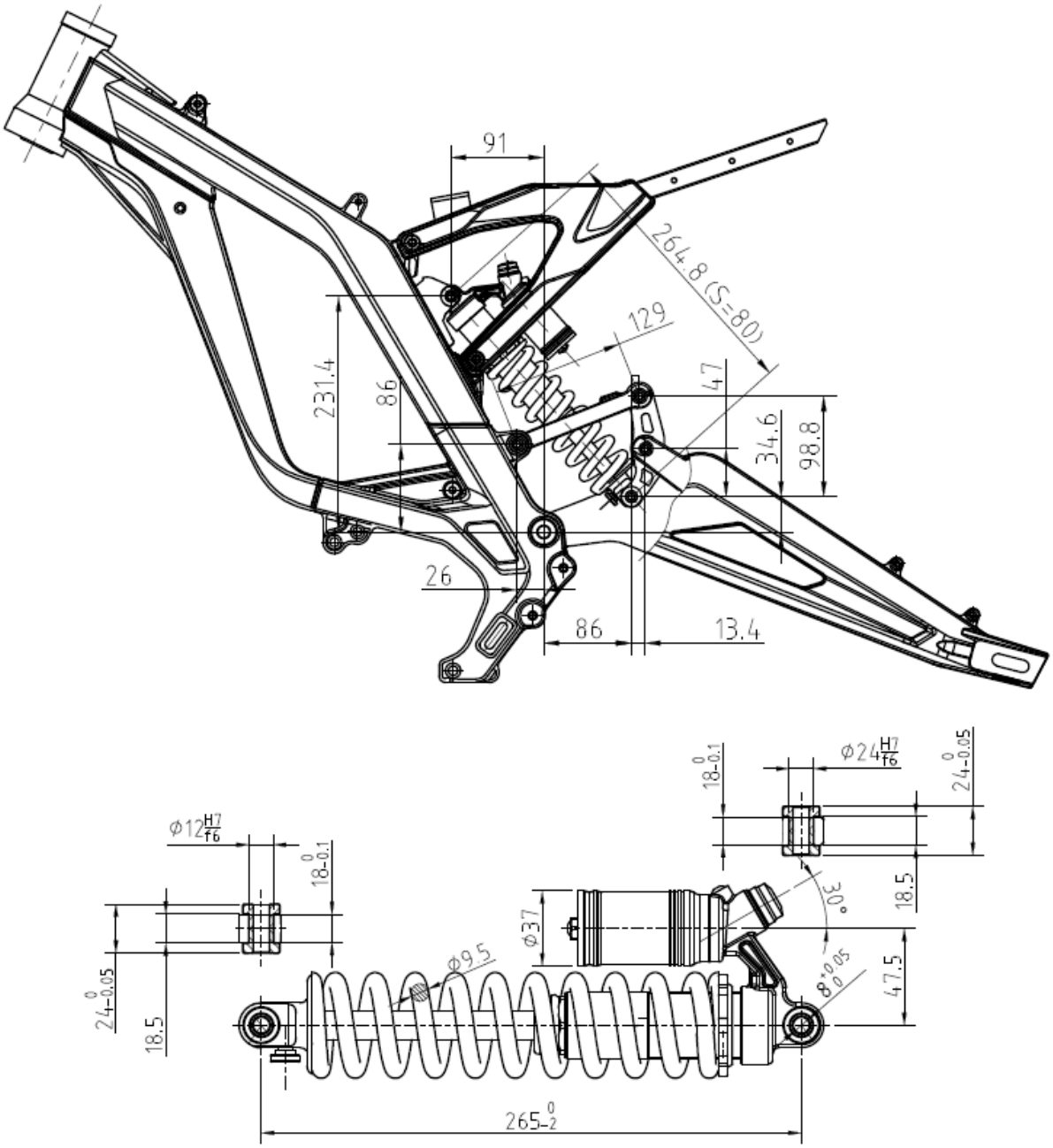
Vehicle Type	QL3000DY-2
Front Fork Assy	
Drawing No.	QL3000DY-2-10

TIBET NEW SUMMIT MOTOR CO.,LTD.

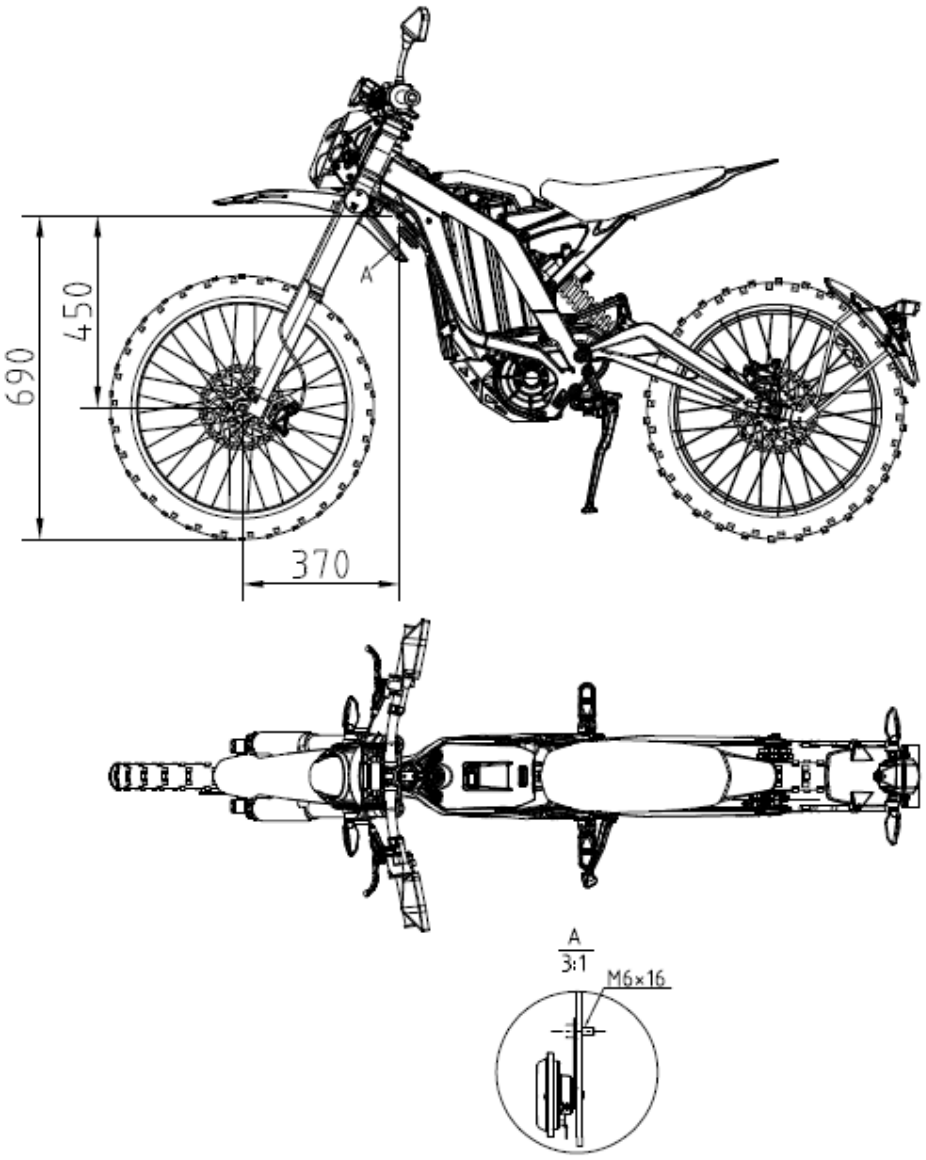
Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017



Vehicle Type	QL3000DY-2
Rear Suspension	
Drawing No.	QL3000DY-2-11

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017

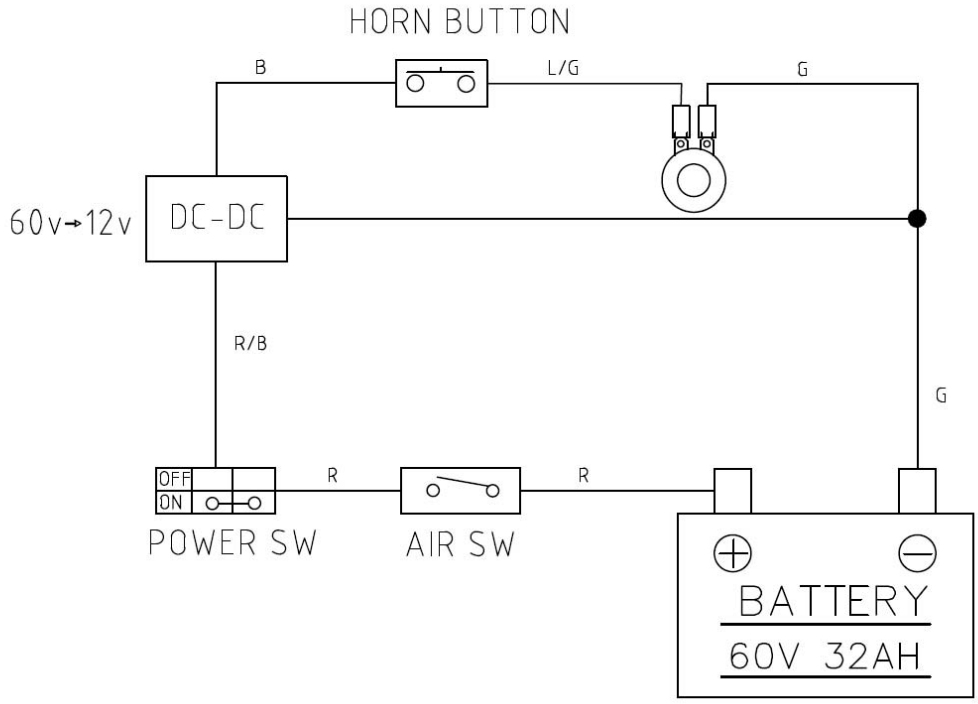


Trade name :ZhongYE
Type: DL128
Approval number:E13-28R-000614

Vehicle Type	QL3000DY-2
Horn Installation	
Drawing No.	QL3000DY-2-12

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017

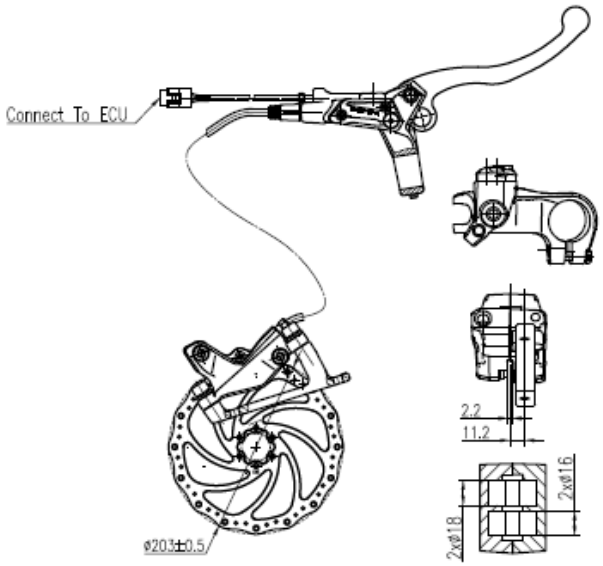


Vehicle Type	QL3000DY-2
Electric circuit of horn	
Drawing No.	QL3000DY-2-13

TIBET NEW SUMMIT MOTOR CO.,LTD.

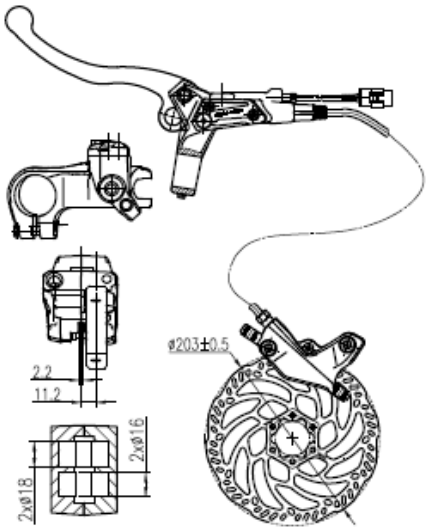
Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



Hydraulic reservairs
Capacity: 3.52mL
Cylinder diameter: ø10mm
Break plate area(Front wheel: 450.7x2= 901.4mm²)

Front brake



Hydraulic reservairs
Capacity: 3.52mL
Cylinder diameter: ø10mm
Break plate area(Rear wheel: 450.7x2= 901.4mm²)

Rear brake

Front brake: Wenzhou libang enterprise co. Ltd.

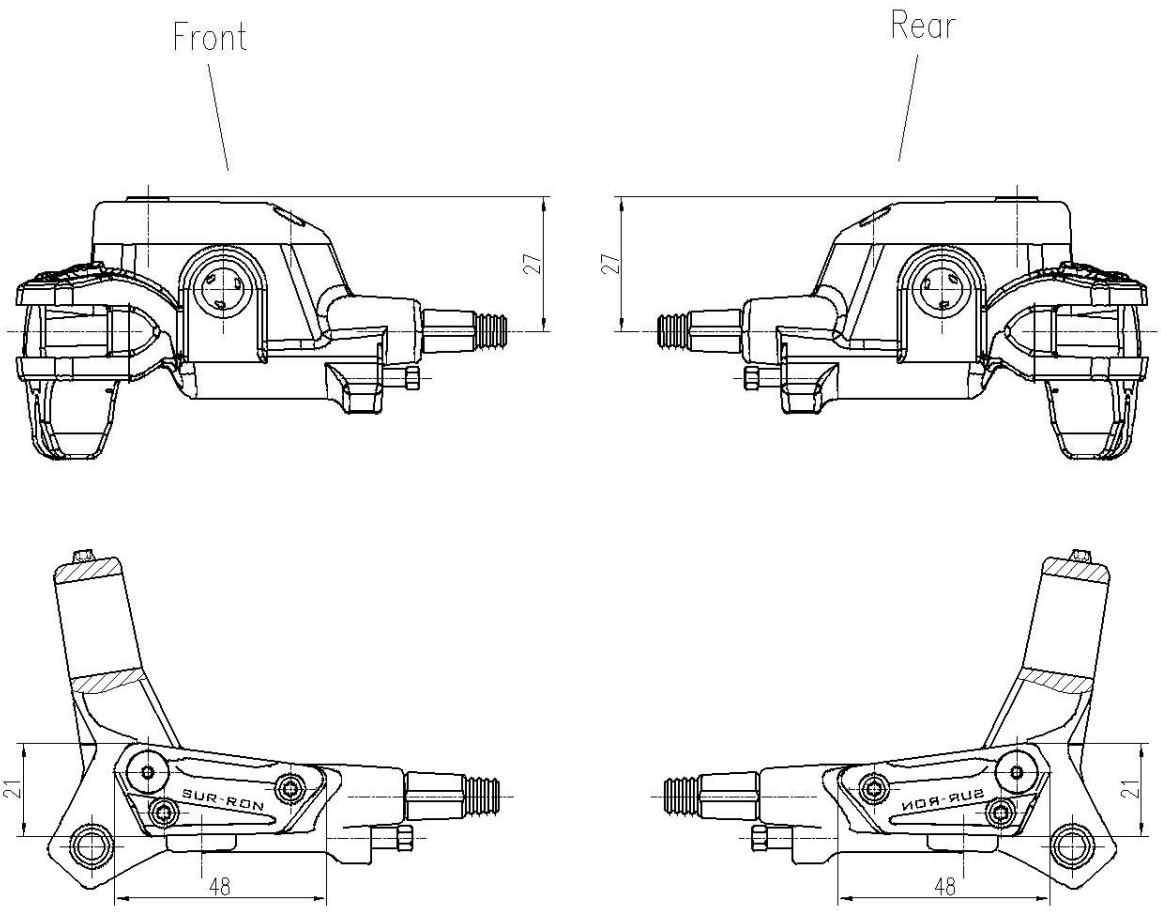
Rear brake: Wenzhou libang enterprise co. Ltd.

Vehicle Type	QL3000DY-2
Brake system	
Drawing No.	QL3000DY-2-14

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



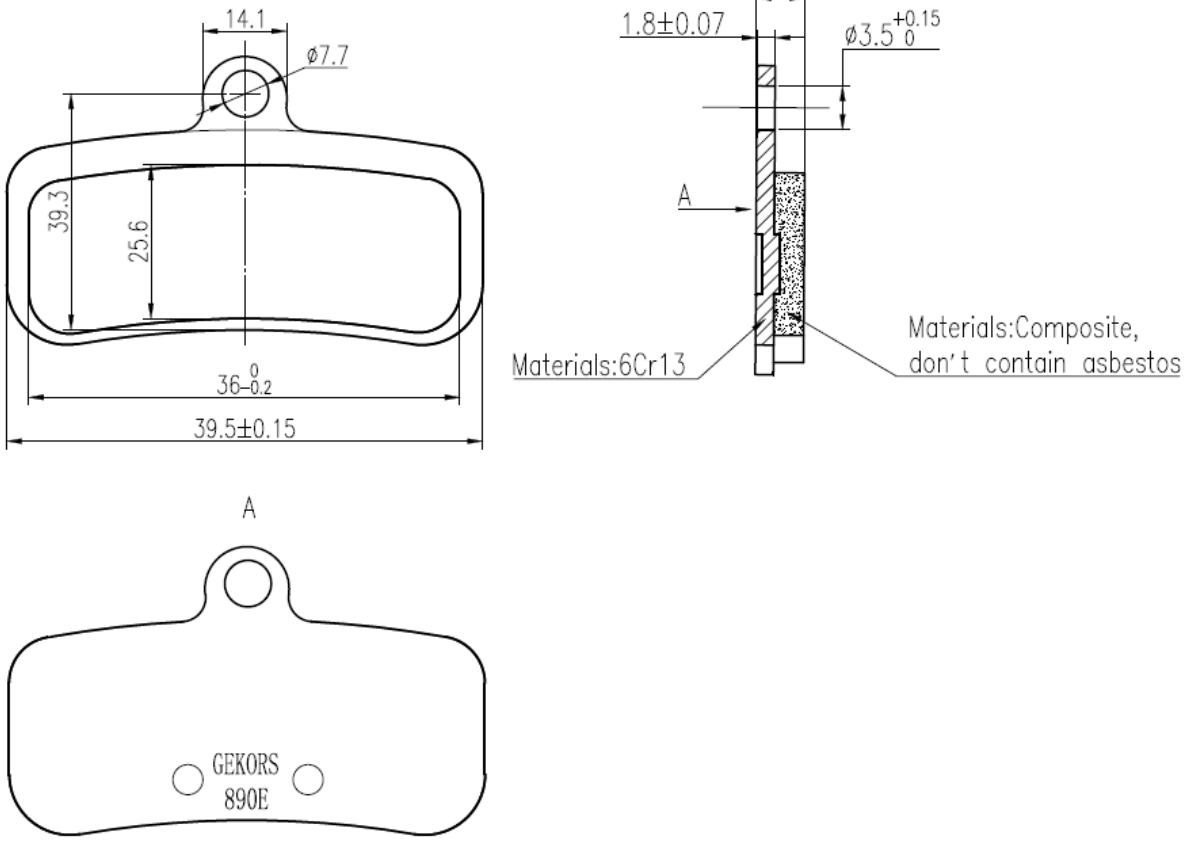
Hydraulic reservairs

Capacity: 3.52mL

Vehicle Type	QL3000DY-2
Hydraulic Reservoir	
Drawing No.	QL3000DY-2-15

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017



Make:WKT

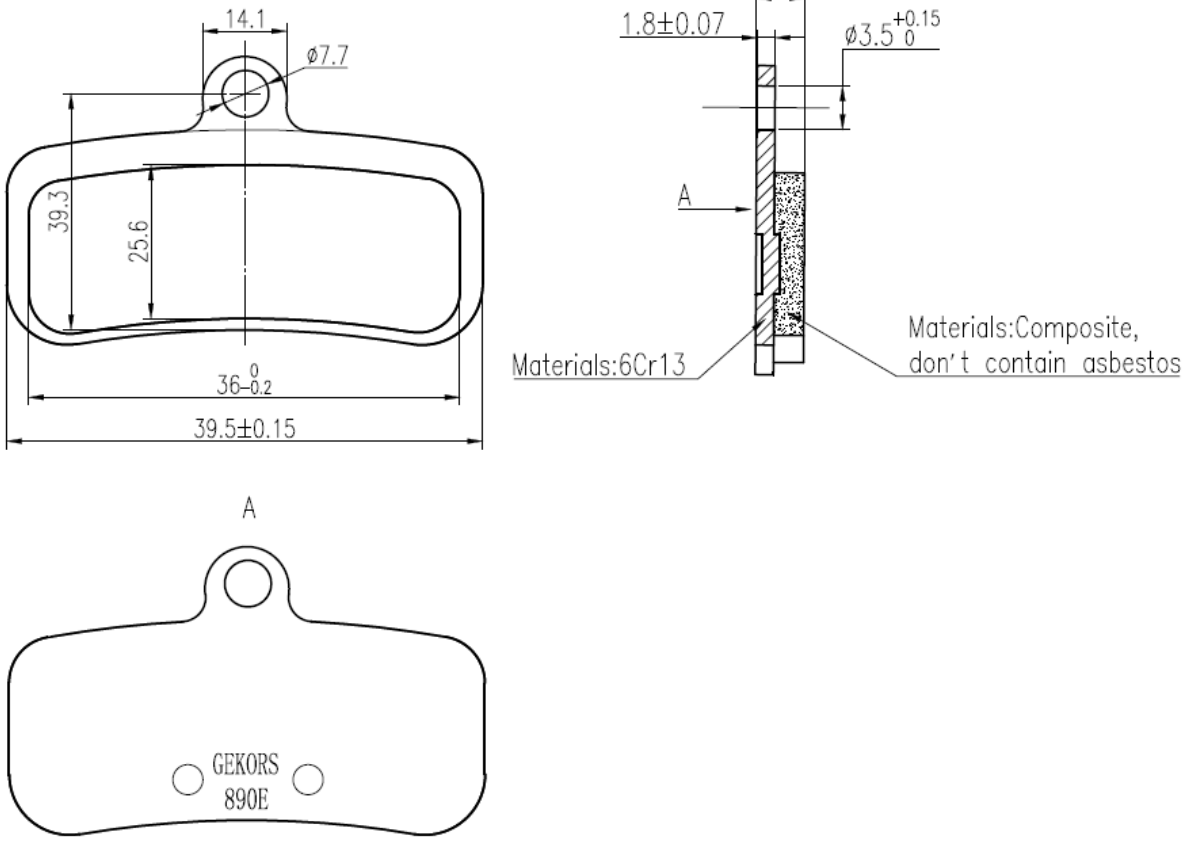
Type:890E

Vehicle Type	QL3000DY-2
Rear Brake Pads	
Drawing No.	QL3000DY-2-16

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



Make:WKT

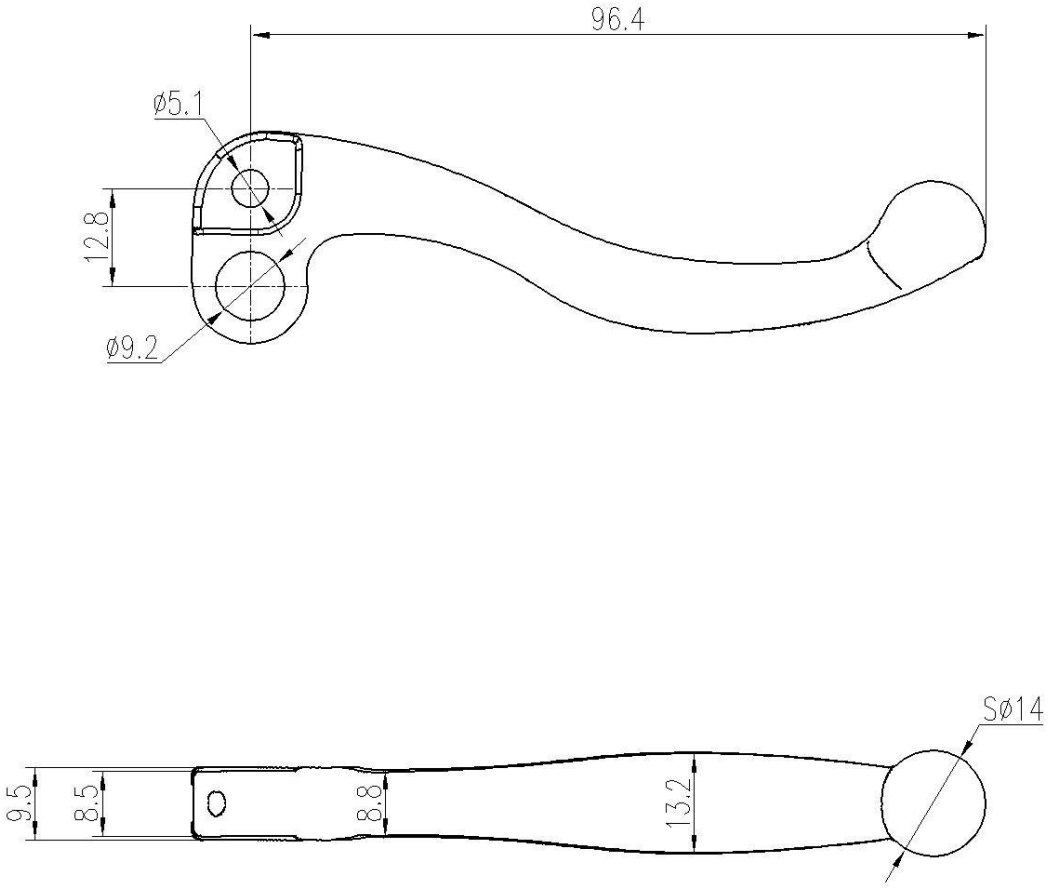
Type:890E

Vehicle Type	QL3000DY-2
Front Brake Pads	
Drawing No.	QL3000DY-2-17

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

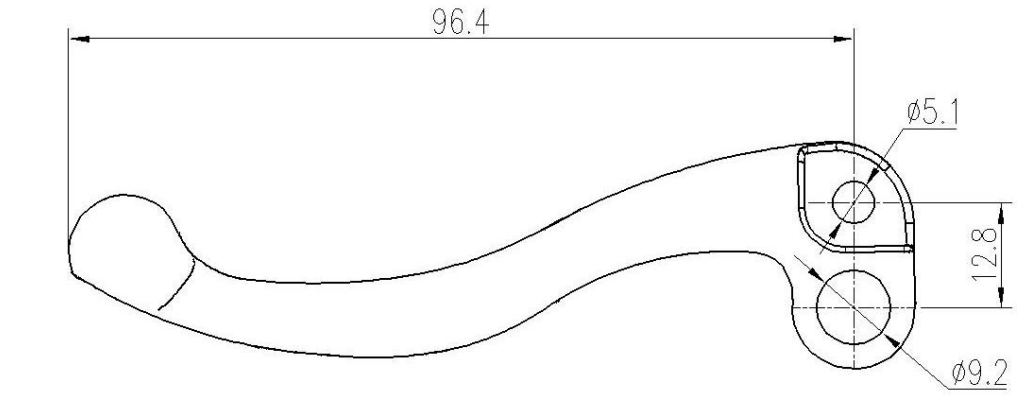
Application date: Dec. 18, 2017

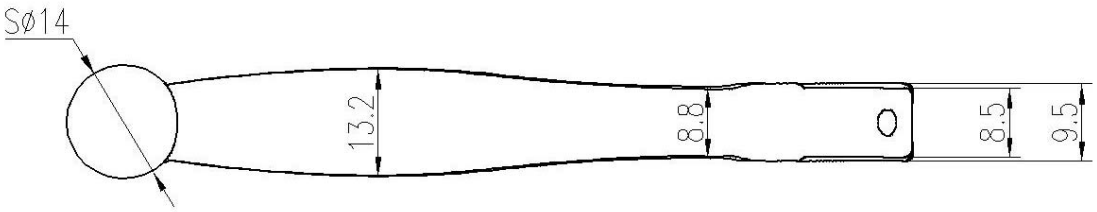


Vehicle Type	QL3000DY-2
Front Brake Lever	
Drawing No.	QL3000DY-2-18

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017



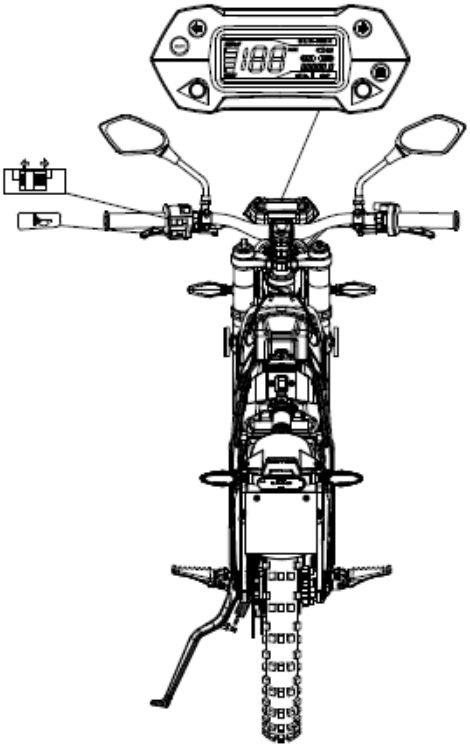


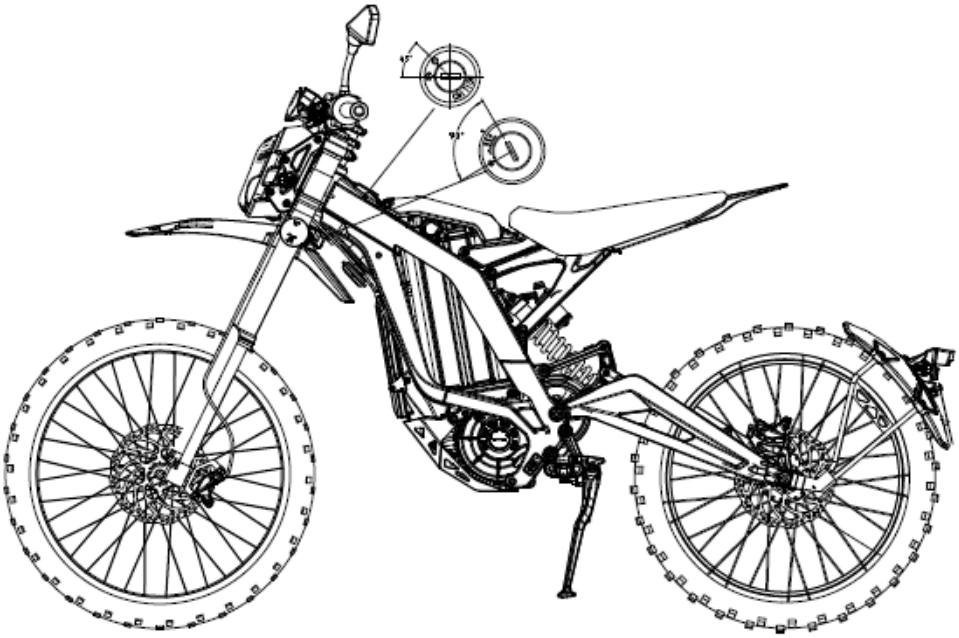
Vehicle Type	QL3000DY-2
Rear Brake Lever	
Drawing No.	QL3000DY-2-19

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017

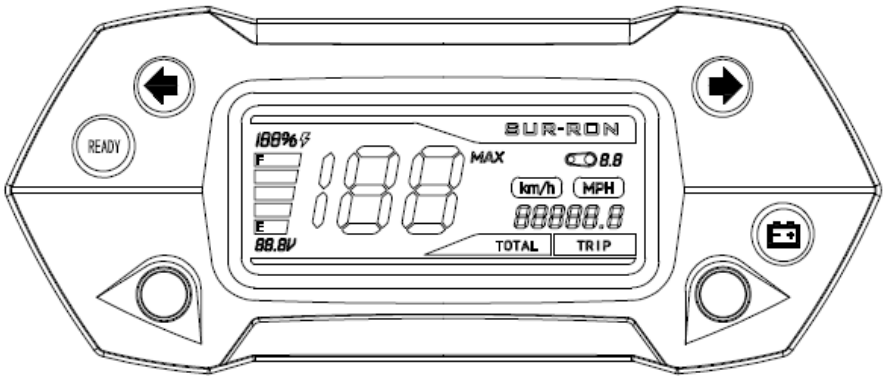


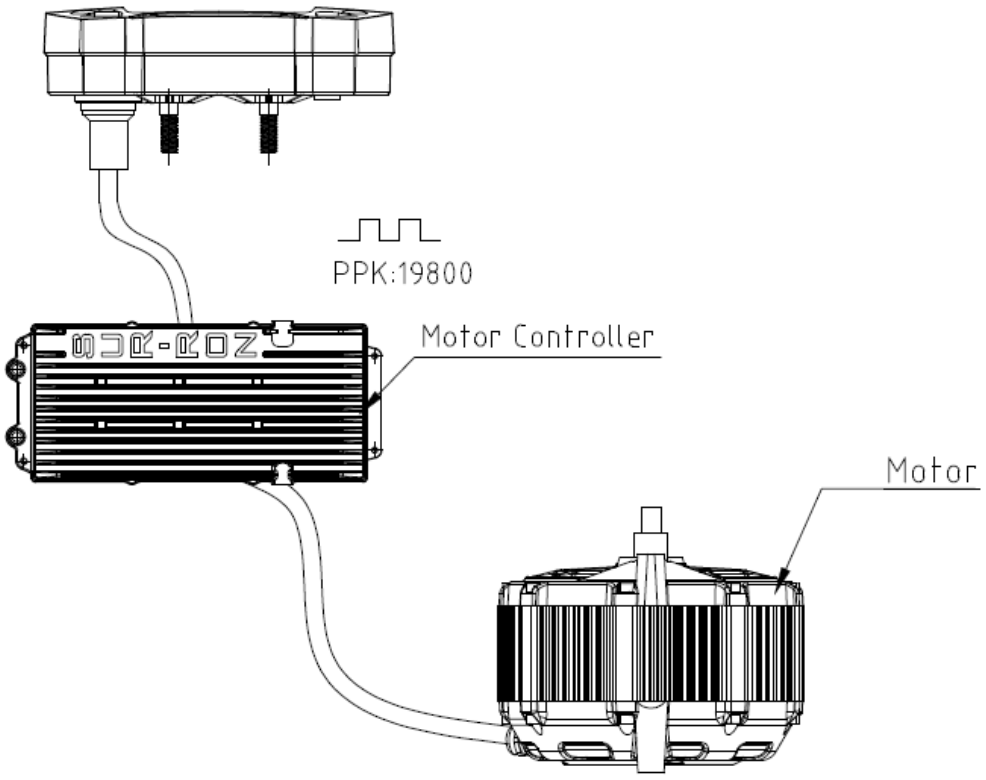


Vehicle Type	QL3000DY-2
Control I.D.,Indicator and Tell-tale	
Drawing No.	QL3000DY-2-20

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017





MAKE:BX

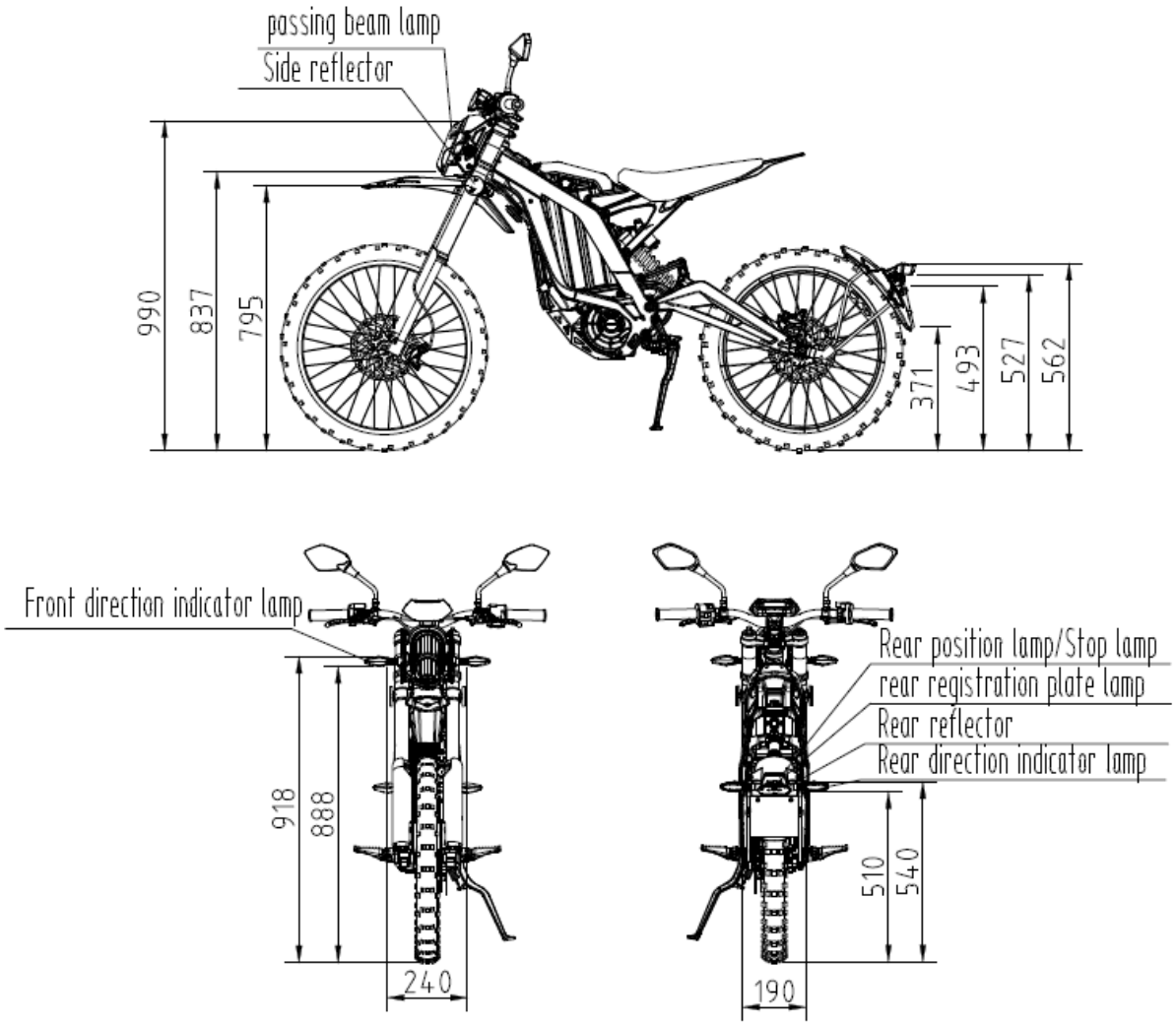
TYPE: 25100-YQ2B-0000

Vehicle Type	QL3000DY-2
Speedometer	
Drawing No.	QL3000DY-2-21

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017

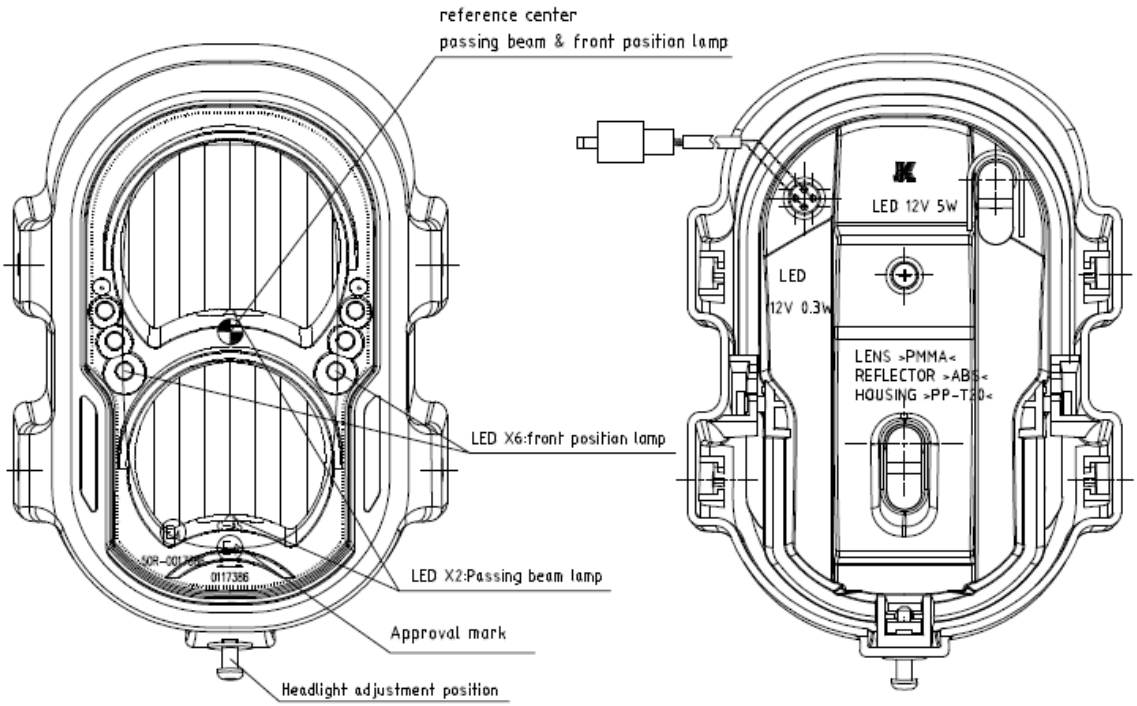


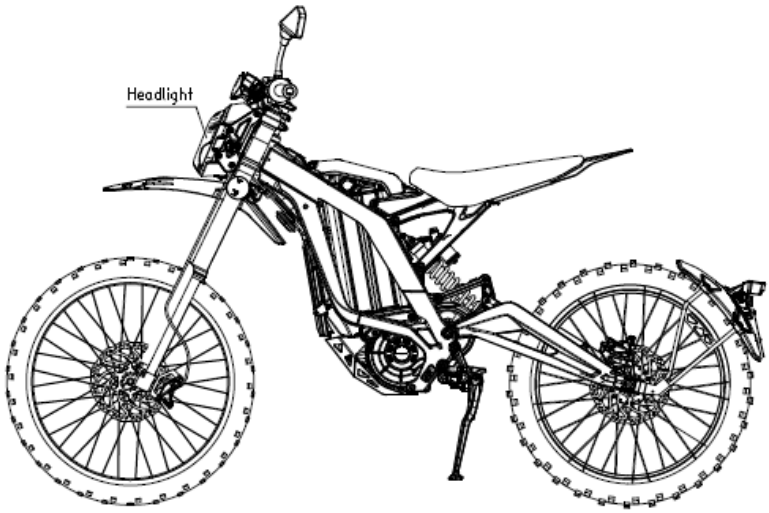
Vehicle Type	QL3000DY-2
Lighting Installation	
Drawing No.	QL3000DY-2-22

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



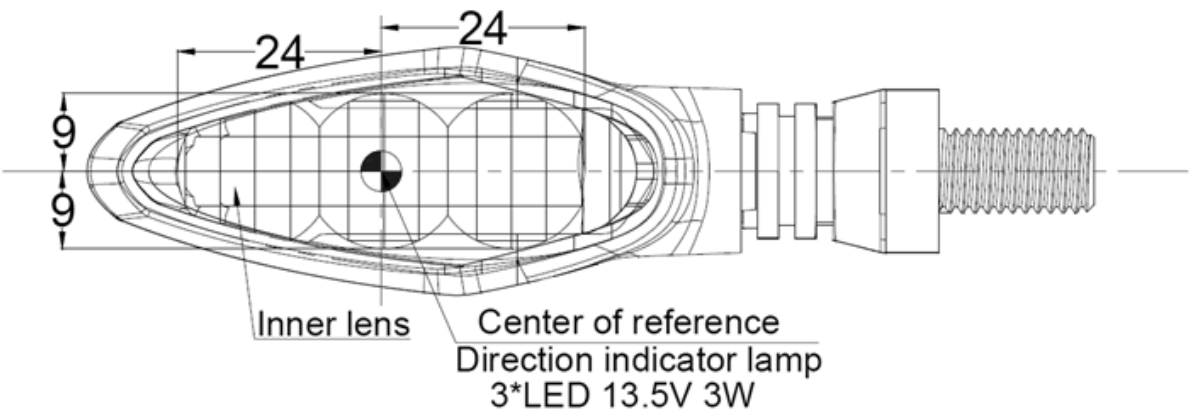


Vehicle Type	QL3000DY-2
Head Light	
Drawing No.	QL3000DY-2-23

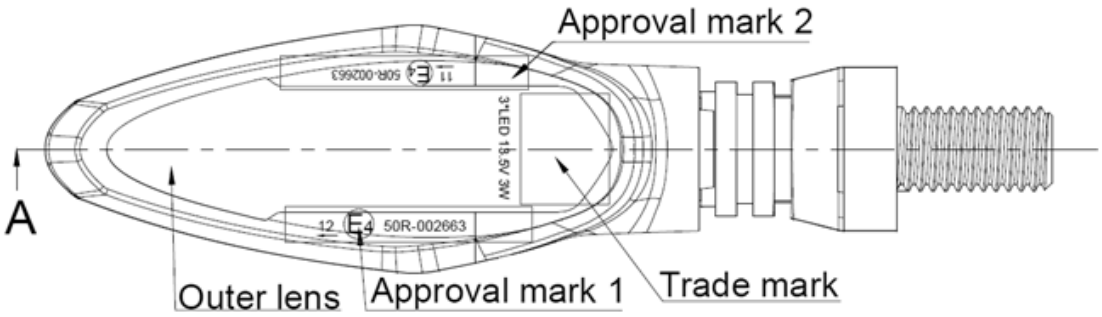
TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



Front View

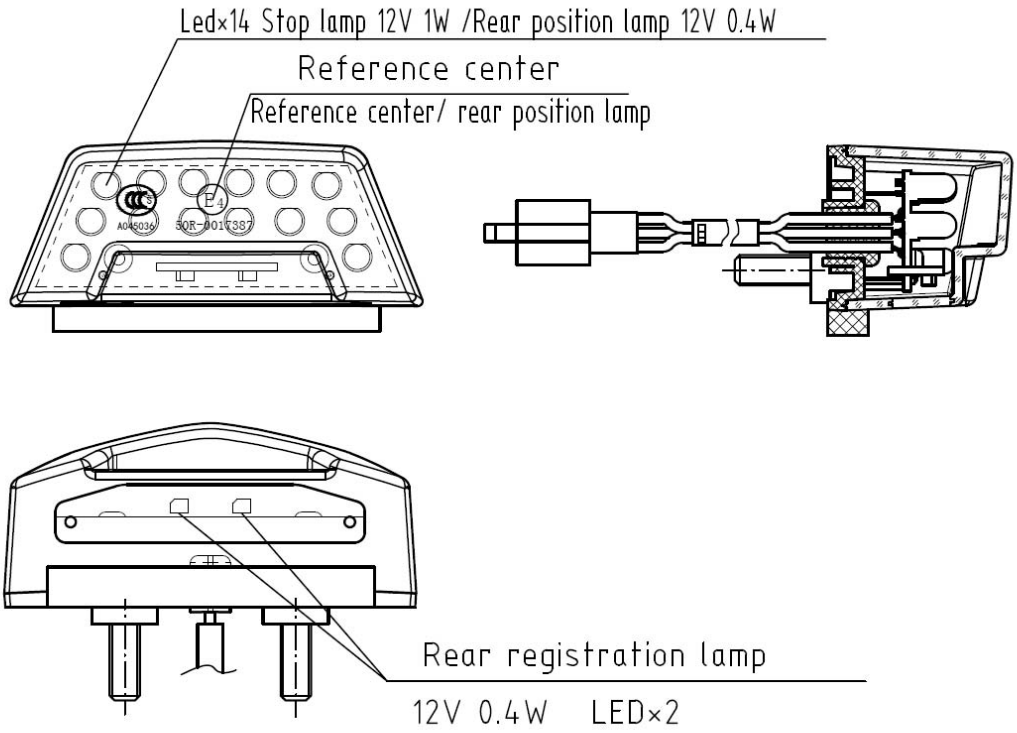


Vehicle Type	QL3000DY-2
Direction Indicator	
Drawing No.	QL3000DY-2-24

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

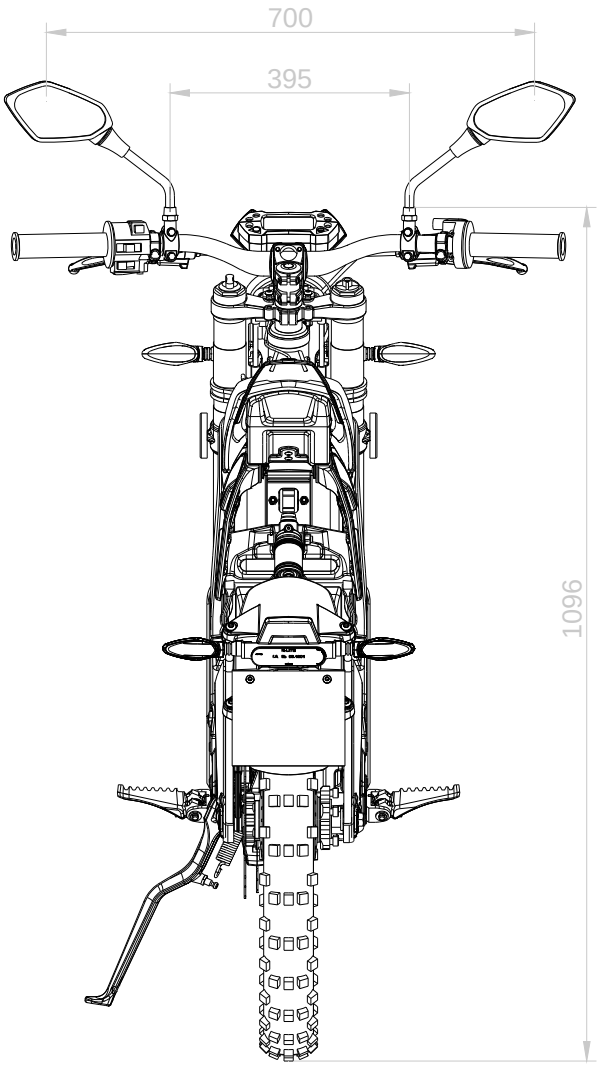
Application date: Dec. 18, 2017



Vehicle Type	QL3000DY-2
Rear Lamp	
Drawing No.	QL3000DY-2-25

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017



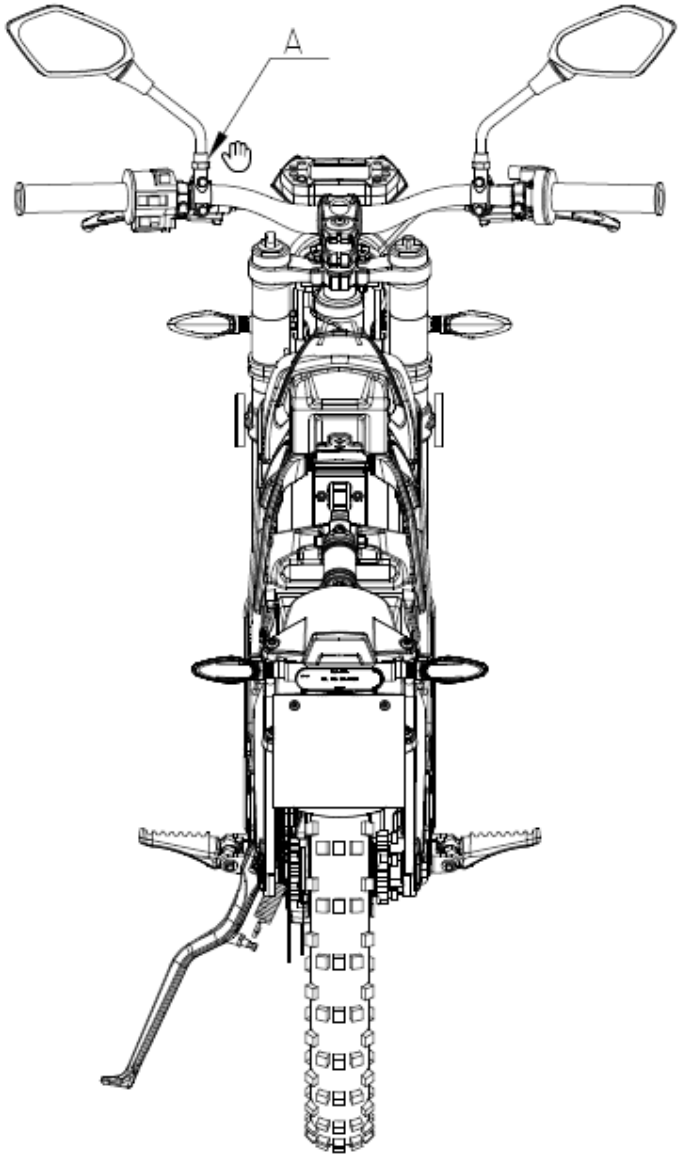
Trade name : QIAOYU
Type: QY1108
Approval number:E11- R81-001184

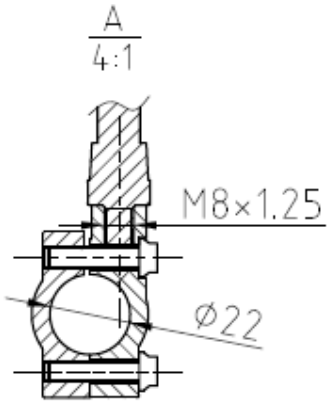
Vehicle Type	QL3000DY-2
Rear View Mirror Poition	
Drawing No.	QL3000DY-2-26

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



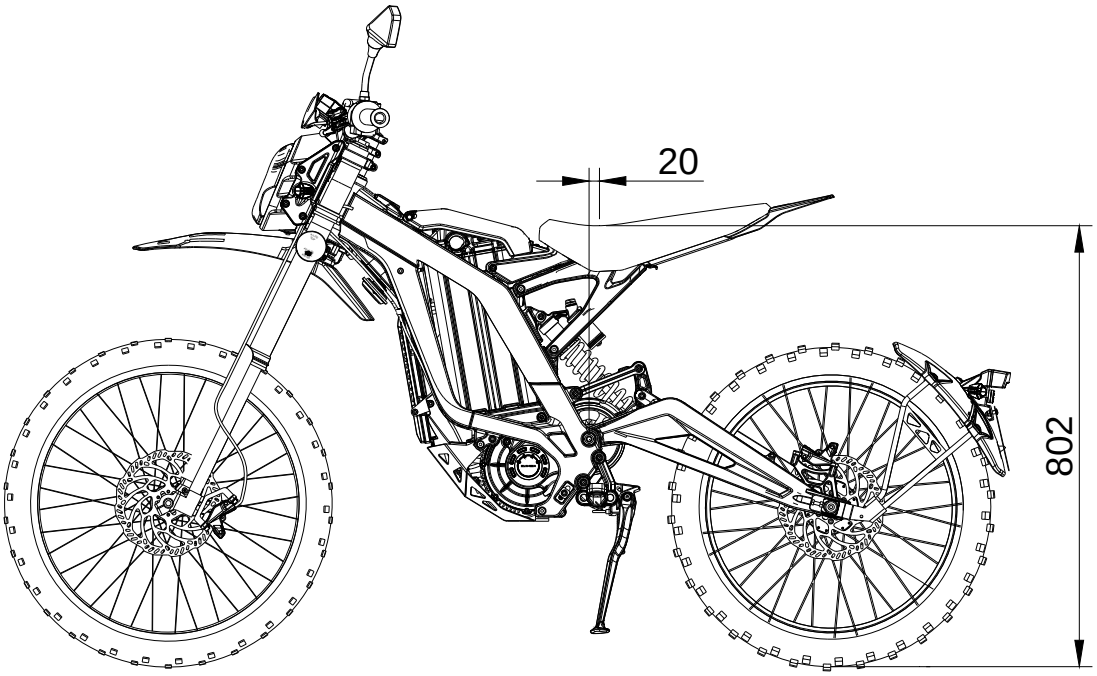


Vehicle Type	QL3000DY-2
Rear View Mirror Installation	
Drawing No.	QL3000DY-2-27

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

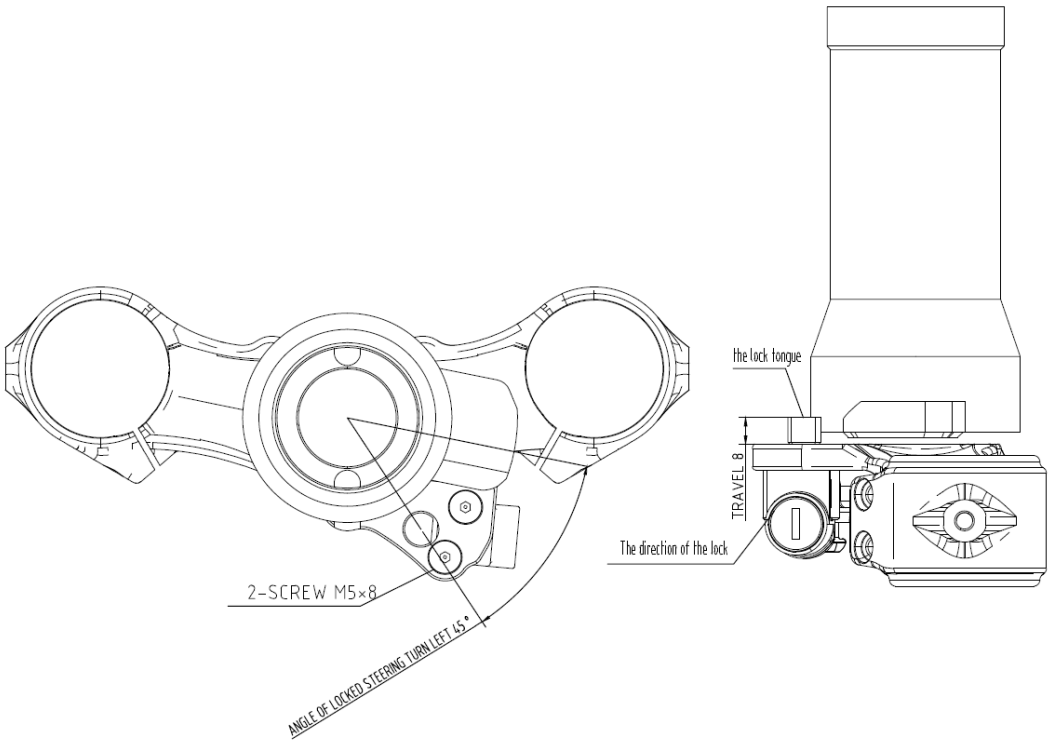
Application date: Dec. 18, 2017

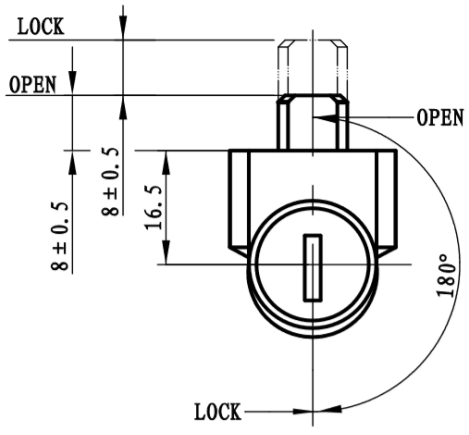


Vehicle Type	QL3000DY-2
Saddle	
Drawing No.	QL3000DY-2-28

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017

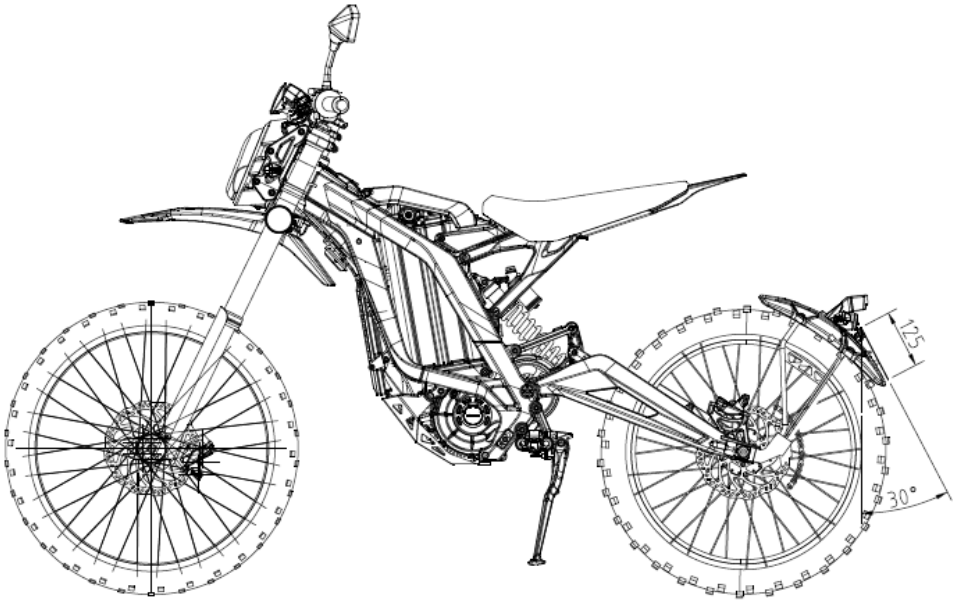


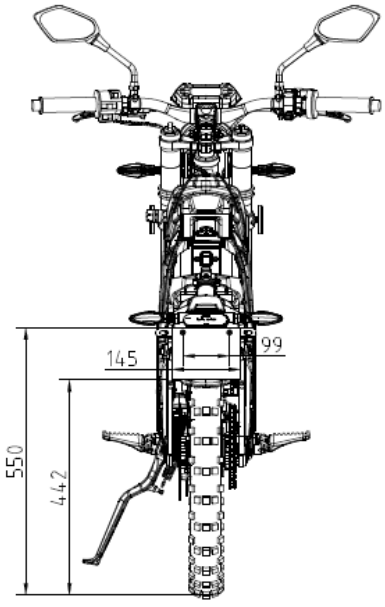


Vehicle Type	QL3000DY-2
Anti-theft Device	
Drawing No.	QL3000DY-2-29

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017

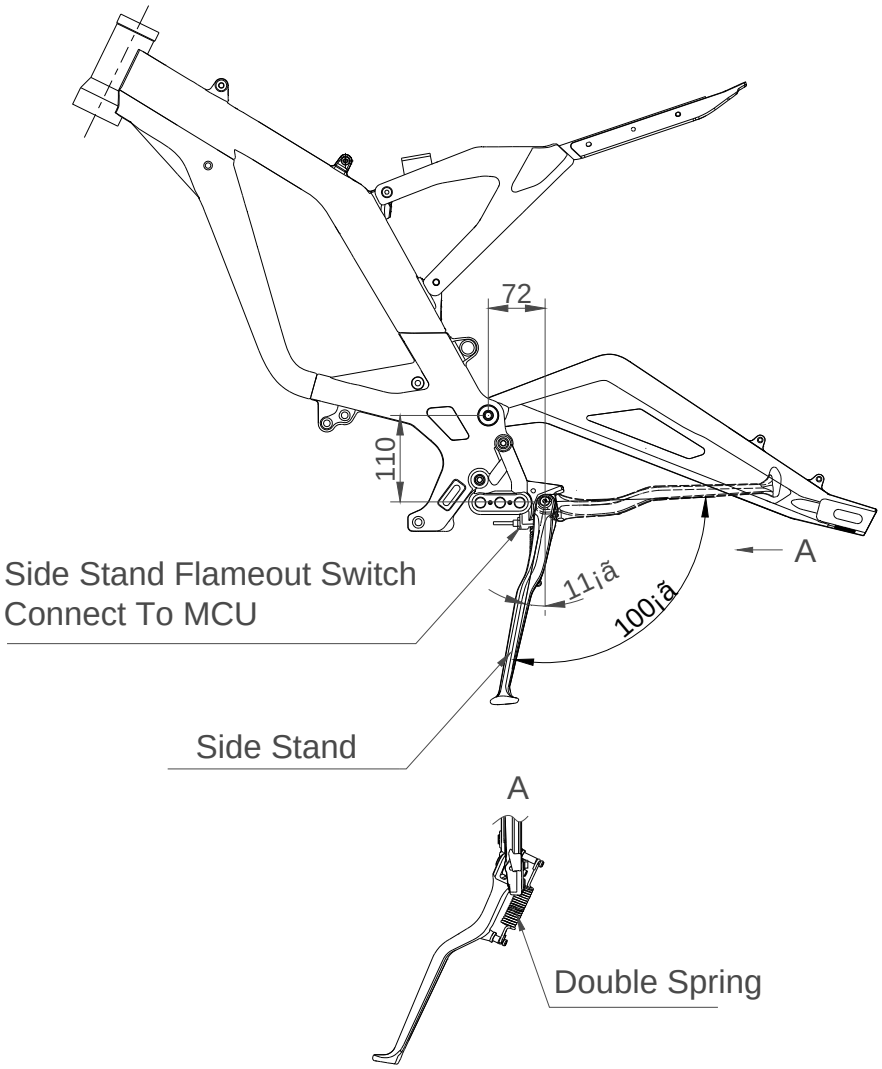




Vehicle Type	QL3000DY-2
Space For Rear Registration Plate	
Drawing No.	QL3000DY-2-30

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2
Application date: Dec. 18, 2017

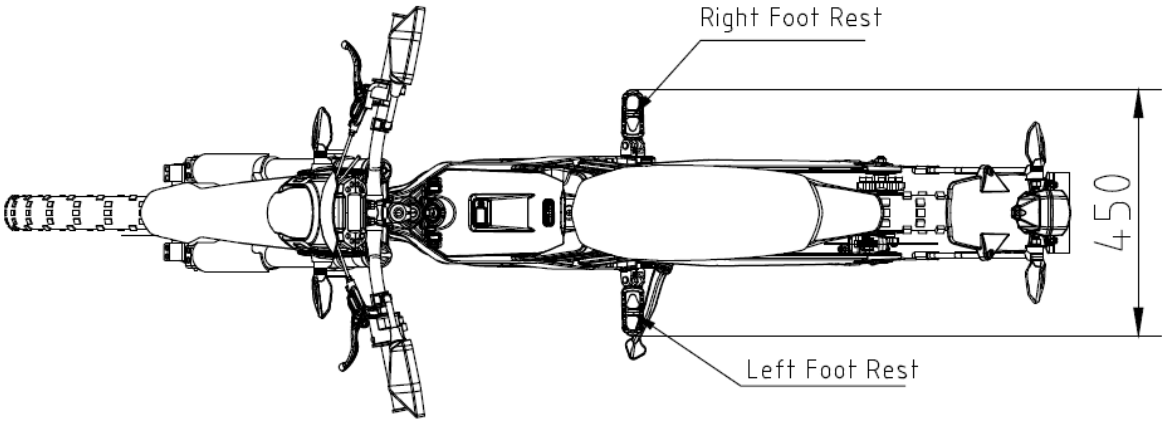


Vehicle Type	QL3000DY-2
Stands	
Drawing No.	QL3000DY-2-31

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017

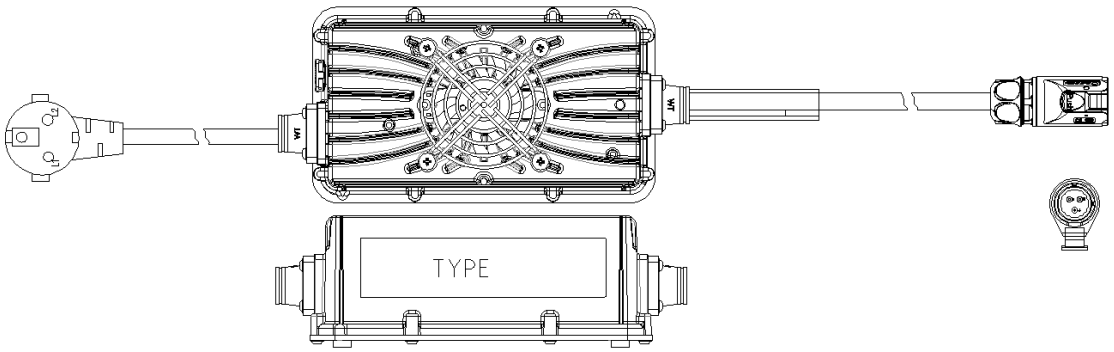


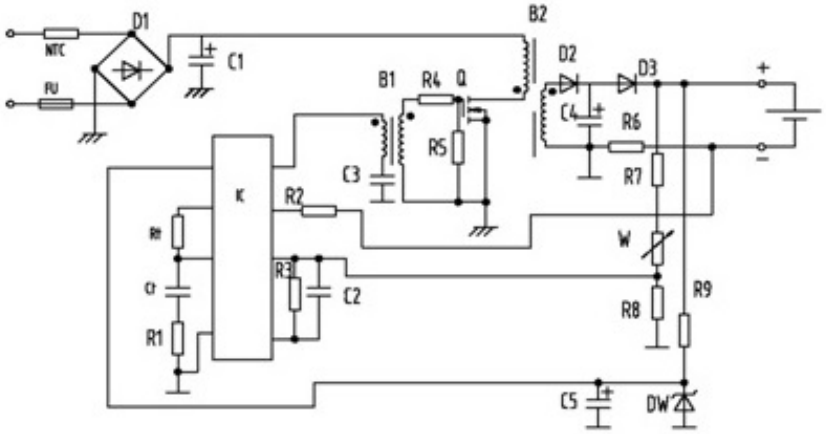
Vehicle Type	QL3000DY-2
Foot Rest	
Drawing No.	QL3000DY-2-32

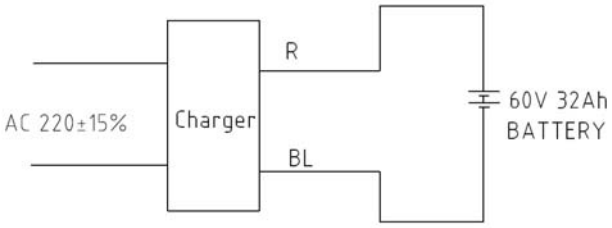
TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017







MAKE:TIANLI

TYPE: Input voltage: 220V±15% ~

Ceiling output voltage:67.2V DC

Maximum output current:10A DC

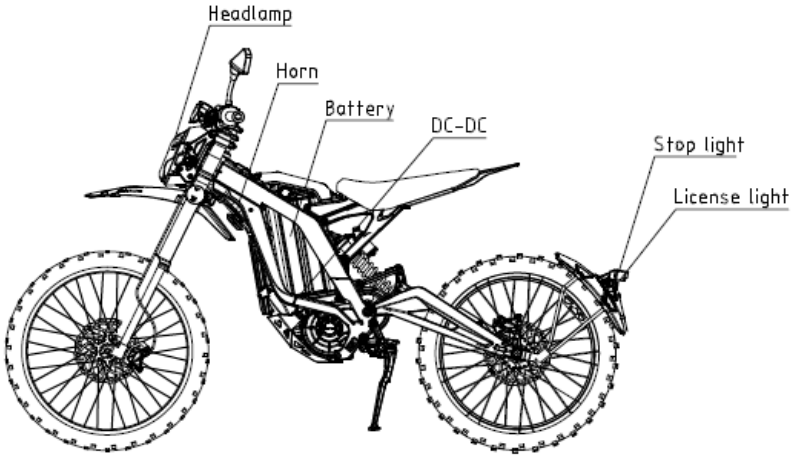
P/N：21700-YQ2A

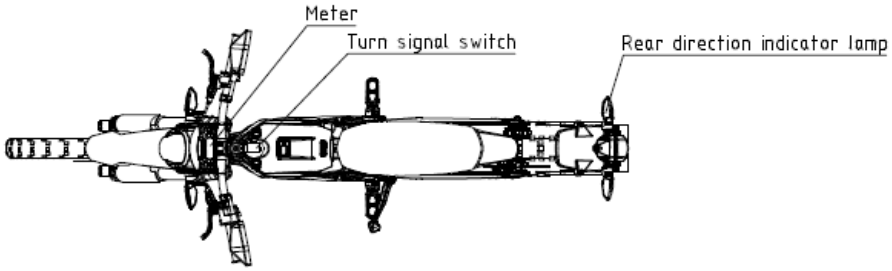
Vehicle Type	QL3000DY-2
Charger	
Drawing No.	QL3000DY-2-33

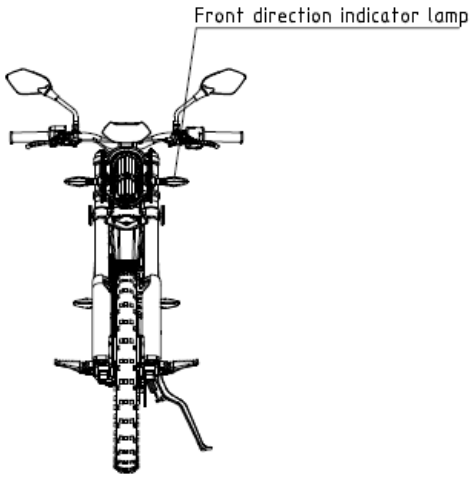
TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017





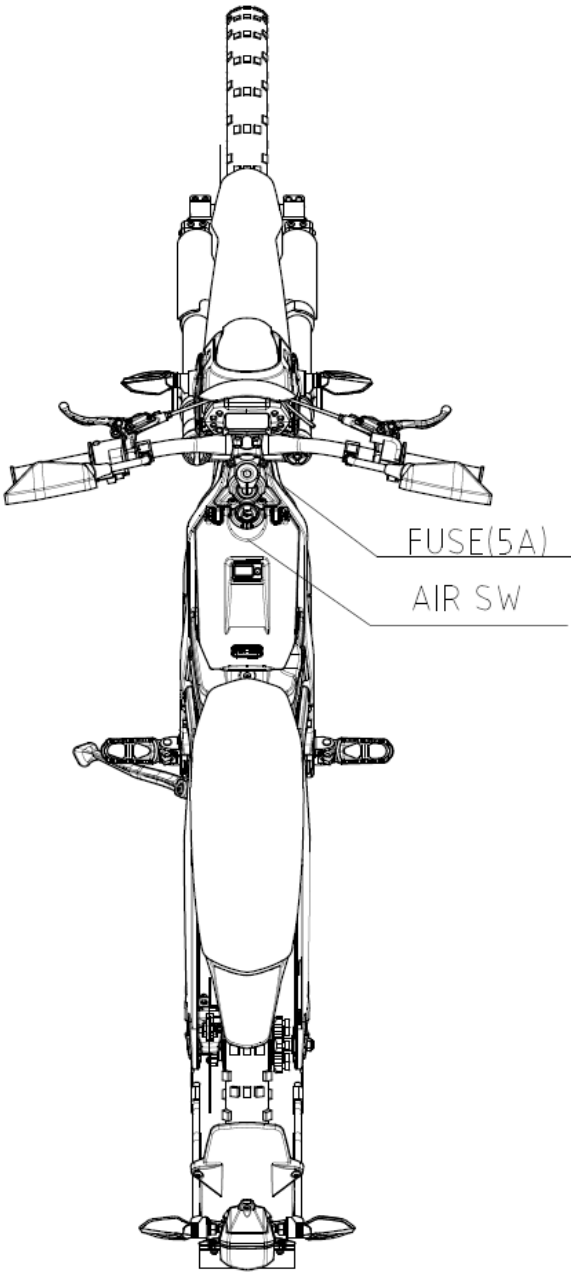


Vehicle Type	QL3000DY-2
Electric System	
Drawing No.	QL3000DY-2-34

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017

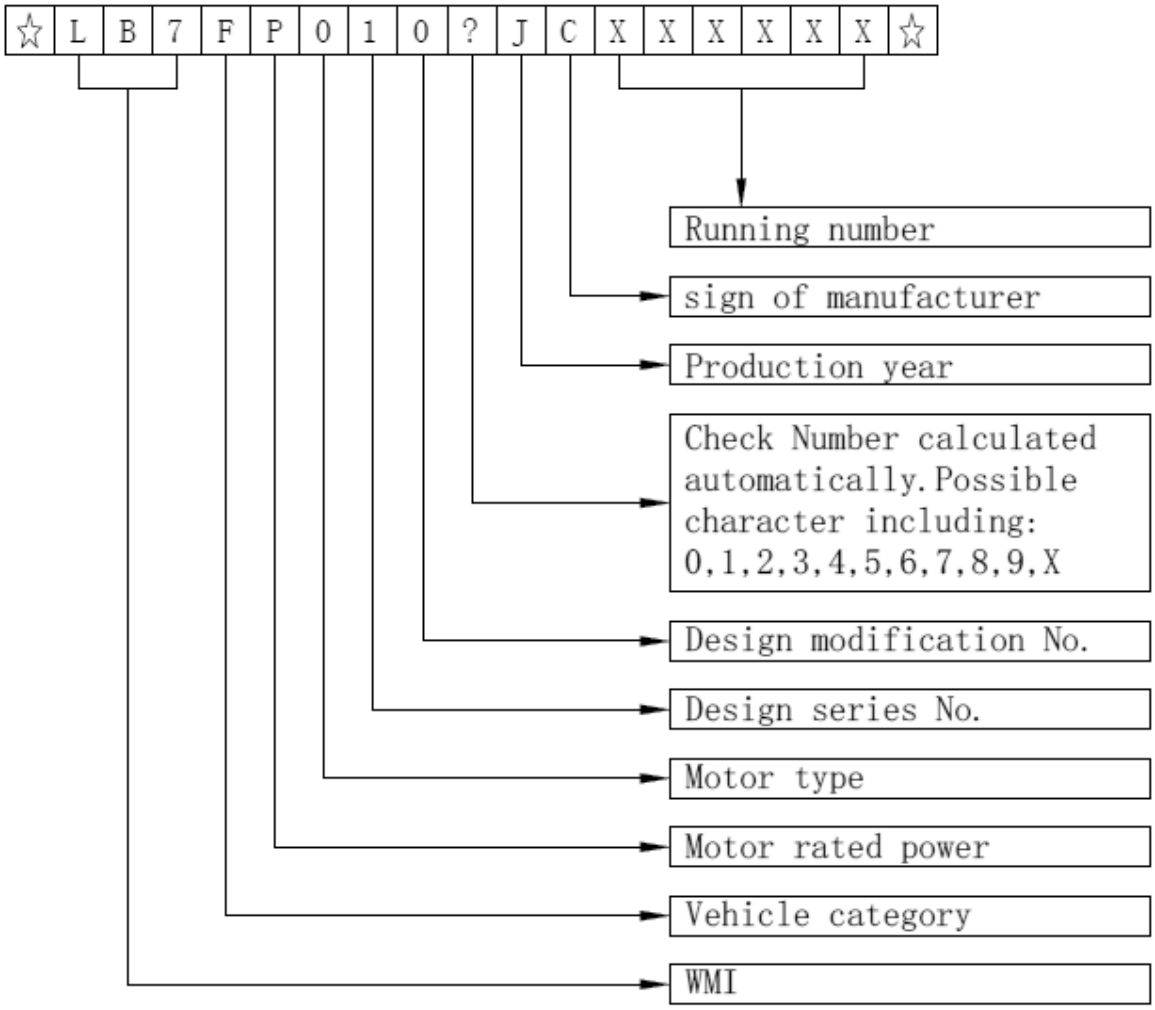


Vehicle Type	QL3000DY-2
Electric Protect System	
Drawing No.	QL3000DY-2-35

TIBET NEW SUMMIT MOTOR CO.,LTD.

Information document:168/2013- QL3000DY-2

Application date: Dec. 18, 2017



Vehicle Type	QL3000DY-2
VIN Structure	
Drawing No.	QL3000DY-2-36

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Information

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

Information folder sheet

A duly completed version of this statement shall be included in the information folder.
The undersigned: [Mr.Han Quanqiu/ Director]

Company name and address of the manufacturer:

Tibet New Summit Motor Co., Ltd.

No.65, Beijing Middle Road,

Lasa City, Tibet Autonomous Region,

850000, China

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

KOHLA AB

Bondegatan 21, 11633 Stockholm,Sweden

Hereby applies for type-approval procedure :

~~(a) step-by-step type-approval~~

(b) single-step type-approval

~~(c) mixed type-approval~~

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

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

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

0.1. Make (trade name of the manufacturer): SURRON; LIGHT BEE

0.2. Type: QL3000DY-2

0.2.1. Variant(s): ---, ---

0.2.2. Version(s): ---

0.2.3. Commercial name(s) (if available): LIGHT BEE

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

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

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): N/A

0.8. Type: N/A

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

1.6. Virtual and/or self-testing: N/A

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:

Overview table virtual and/or self-testing

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

(*) Commission Delegated Regulation (EU) No 134/2014 of 16 December 2013 supplementing Regulation (EU) No 168/2013 of the European Parliament and of the Council with regard to environmental and propulsion unit performance requirements and amending Annex V.

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

Place: Chongqing, P.R.China Date: Dec. 18, 2017

Signature:  Name and position in the company: Mr.Han Quanqiu/ Director

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Manufacturer's statement on endurance testing (Annex V to Commission Delegated Regulation (EU) No 3/2014)

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

The undersigned: [Mr.Han Quanqiu/ Director]

Company name and address of the manufacturer:

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

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

KOHLA AB
Bondegatan 21, 11633 Stockholm,Sweden

Hereby states that the vehicles:

0.1. Make (trade name of the manufacturer): SURRON; LIGHT BEE

0.2. Type: QL3000DY-2

0.2.1. Variant(s): ---, ---

0.2.2. Version(s): ---

0.2.3. Commercial name(s) (if available): LIGHT BEE

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

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

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

This declaration has no bearing on any vehicle warranty.

Place:	Chongqing, P.R.China	Date:	Dec. 18, 2017
Signature:		Name and position in the company:	Mr.Han Quanqiu/ Director

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Manufacturer's statement on structure integrity (Annex XIX to Commission Delegated Regulation (EU) No 3/2014)

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

The undersigned: [Mr.Han Quanqiu/ Director]

Company name and address of the manufacturer:

Tibet New Summit Motor Co., Ltd.

No.65, Beijing Middle Road,

Lasa City, Tibet Autonomous Region,

850000, China

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

KOHLA AB

Bondegatan 21, 11633 Stockholm,Sweden

Hereby states that the vehicles:

0.1. Make (trade name of the manufacturer): SURRON; LIGHT BEE

0.2. Type: QL3000DY-2

0.2.1. Variant(s): ---, ---

0.2.2. Version(s): ---

0.2.3. Commercial name(s) (if available): LIGHT BEE

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

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

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

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

Place:	Chongqing, P.R.China	Date:	Dec. 18, 2017
Signature:		Name and position in the company:	Mr.Han Quanqiu/ Director

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

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

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

Reference number: 168/2013-QL3000DY-2-00

The undersigned: [Mr.Han Quanqiu/ Director]
Company name and address of the manufacturer:

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

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

KOHLA AB
Bondegatan 21, 11633 Stockholm,
Sweden

Hereby certifies that:
it provides access to vehicle OBD and vehicle repair and maintenance information in compliance with

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

~~with respect to the types of vehicle, engine and pollution-control device listed in Addendum 1 to this certificate.~~
~~The following derogation is applied: carry-over systems (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:	Chongqing, P.R.China	Date:	Dec. 18, 2017
Signature:		Name and position in the company:	Mr.Han Quanqiu/ Director

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

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Addendum 1
to
Manufacturer's certificate with reference number 168/2013-QL3000DY-2-00 **on access to vehicle OBD (stage I) and vehicle repair and maintenance information**

List of the types of vehicle:

0.1. Make (trade name of the manufacturer): SURRON; LIGHT BEE

0.2. Type: QL3000DY-2

0.2.1. Variant(s): ---, ---

0.2.2. Version(s): ---

0.2.3. Commercial name(s) (if available): LIGHT BEE

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

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

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

List of the types of engines:

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

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

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

List of the types of pollution-control devices:

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

0.8. Type：N/A

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

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

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

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Addendum 2

to

Manufacturer's certificate with reference number 168/2013-QL3000DY-2-00 **on access to vehicle OBD (stage I) and vehicle repair and maintenance information**

Web site addresses referred to in this certificate

http://www.sur-ron.com/

Account：N/A
Password：N/A

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Addendum 3

to

Manufacturer's certificate with reference number 168/2013-QL3000DY-2-00 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

Research & Development Division

Mr.Han Quanqiu/ Director

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Manufacturer's declaration on powertrain tampering prevention measures (anti-tampering)

1. Vehicle manufacturer's declaration on powertrain tampering prevention measures (anti-tampering):

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

— manufacturer-facilitated modifications shall not increase the propulsion unit performance of the vehicle;

— modifications and interchangeability of parts and components

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

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

0.4. Company name and address of the manufacturer:
Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

0.4.2. Name and address of the manufacturer's representative (if any)
KOHLA AB
Bondegatan 21, 11633 Stockholm, Sweden

Hereby declares that: For the L1e-Bcategory vehicle:

0.1. Make (trade name of the manufacturer): SURRON; LIGHT BEE

0.2. Type: QL3000DY-2

0.2.1. Variant(s): ---, ---

0.2.2. Version(s): ---

0.2.3. Commercial name(s) (if available): LIGHT BEE

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

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

and that

The manufacturer-facilitated modifications of the following characteristics:

(a)	spark delivery of the ignition system if applicable;
(b)	fuel feed and delivery system;
(c)	air-intake system including air filter(s) (modification or removal);
(d)	propulsion battery configuration or electric power to the electric motor(s) if applicable;
(e)	drive-train;
(f)	and the control unit(s) that control(s) the propulsion unit performance of the powertrain.

Place: Chongqing, P.R.China
Date: Dec. 18, 2017
Signature:

Name and position in the company: Mr.Han Quanqiu/ Director

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

ANTI-TAMPERING STATEMENT

Acc. to (EU) No 44/2014, Annex II, No.2.8.3

We herewith declare, that any reprogrammable computer codes or operating parameter afford a level of protection at least as high as the provisions in ISO 15031-7:2001, provided that the security exchange is conducted using the communication protocols and standardized diagnostic connector prescribed in Appendix I to Annex XII.

Acc. to (EU) No 44/2014, Annex II, No.2.8.4

We here with declare, that computer-code propulsion operating parameters shall not be changeable without the use of specialized tools and procedures.

Tibet New Summit Motor Co., Ltd.

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

Statement Concerning Authority Of Signature On COC Paper

We, Tibet New Summit Motor Co., Ltd. , declare that the undersigned, will be the authorized person to sign the COC paper of the motorcycle.

Type: QL3000DY-2

Mr.Han Quanqiu/ Director

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
Lasa City, Tibet Autonomous Region,
850000, China

EU CERTIFICATE OF CONFORMITY

The undersigned:
Mr.Han Quanqiu/Director
Hereby certifies that the following complete vehicle:

0.1.	Make:	LIGHT BEE
0.2.	Type:	QL3000DY-2
0.2.1.	Variant:	---
0.2.2.	Version:	---
0.2.3.	Commercial name(s) (where appropriate):	n.a.
0.3.	Category, subcategory and sub-subcategory of vehicle：	L1e-B
0.4.	Name and address of the manufacturer:	Tibet New Summit Motor Co., Ltd. No.65, Beijing Middle Road, Lasa City, Tibet Autonomous Region, 850000, China
0.4.2.	Name and address of manufacturer's authorized representative：	KOHLA AB Bondegatan 21, 11633 Stockholm, Sweden
0.5.1.	Location of the manufacturer's statutory plate(s)	L, x250, y35, z850
0.5.2.	Method of attachment of the manufacturer's statutory plate(s)：	Be riveted in the left of the stand pipe
0.6.	Location of the Vehicle identification number:	R, x250, y35, z850
1.	Vehicle identification number:	LB7FP010*********

Conforms in all respects to the type described in EU type-approval e13*168/2013*00462*00 issued on (MM DD, YYYY) and can be permanently registered in Member States having, having right/left -hand traffic and using metric/imperial units for the speedometer

Place Chongqing, P.R.China Date MM DD, YYYY

signature 

Tibet New Summit Motor Co., Ltd.
No.65, Beijing Middle Road,
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850000, China

VEHICLE CATEGORY L

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: None

Main dimensions

2.2.1. Length: 1860 mm 2.2.2. Width: 780 mm 2.2.3. Height: 1050 mm

2.2.4. Wheel base: 1230mm 2.2.4.1 Wheelbase sidecar: n.a .

2.2.5. Track width

2.2.5.1	Track width front:	n.a.	2.2.5.2.	Track width rear:	n.a.
2.2.5.3	Track with 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: 47 kg 2.1.2. Actual mass: 133 kg

2.1.3. Technically permissible maximum laden mass: 140 kg

2.1.3.1. Technically permissible maximum on front axle: 57kg

2.1.3.2 Technically permissible maximum on rear axle: 83kg

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: 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: ---

3.2.1.4.2. Arrangement of cylinders: ---

3.2.1.5. Engine capacity: --- cm^3

1.9. Maximum net power: n.a.

1.10. Ratio: maximum net power /mass of the vehicle in running order: --- (kW/kg)

3.2.3.1 Fuel type: ---

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: Jintan Weite Motor Co. Ltd

3.1.2.2. Electric motor code: 182ZW4835408

3.3.3.4. ~~15~~/30 (1) minutes power: 2.05 kW

3.1.3.1. Manufacturer: n.a.

3.1.3.2. Application code: 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: 40 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): O

3.5.4. Gear ratios: n.a.

3.5.4.1. Final drive ratio: 7.602

3.5.4.2. Overall gear ratio in highest gear: n.a.

Tibet New Summit Motor Co., Ltd.
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850000, China

Installation of tyres

6.18.1.1. Tyre size designation: Axle 1: 70/100-19 42M 225kpa 19×1.4
Axle 2: 70/100-19 42M 225kpa 19×1.4
Sidecar wheel: n.a.

Bodywork

6.20.2.1. Door configuration and number of doors : not applicable
6.16.1. Number of seating positions: 1
6.16.1.1. Location and arrangement: n.a.

Coupling devices

7.2.8. Type-approval number of coupling device: not applicable

Environmental performance

4.0.1. Environmental step: n.a.
4.0.6. Sound level measured according to：EU no 134/2014
4.0.6.1. Stationary: --- dB(A) at engine speed: --- min^{-1}
4.0.6.2. Drive-by: -- dB(A)
4.0.6.3. Limit value for Lurban: -- dB(A)
3.2.15. Exhaust emissions measured according to: EU no 134/2014 as amended by 2018/295
3.2.15.1. Type I test: tailpipe emissions after cold start, including the deterioration factor, if applicable
CO : --- mg/km THC: --- mg/km NMHC: --- mg/km
NO_X : --- mg/km HC+ NO_X : --- mg/km PM: --- mg/km
3.2.15.2. Type II test: tailpipe emissions at (increased) idle and free acceleration
HC: --- ppm at normal idling speed and: --- ppm at high idle speed
CO: ---% vol. at normal idling speed and: --- % vol. at high idle speed
3.2.15.3. Smoke corrected absorption coefficient : --- m^{-1}

Energy efficiency

4.0.2. Fuel consumption: --- l/~~kg~~/100km 4.0.3. CO_2 emissions: --- g/km
4.0.4. Energy consumption: 27 Wh/km 4.0.5. Electric range: 69 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 : ---
9.2.. Exemptions : ---