



**EXTENSION APPLICATION FOR APPROVAL OF TWO-WHEEL MOPED
ACCORDING TO 2002/24/EC AMENDED BY 2006/120/EC**

1. Trade name or mark of the vehicle : E-TON or MATRA
2. Manufacturer's name of the vehicle : EV3A
3. Manufacturer's name and address : E-Ton Power Tech Co., Ltd.
NO. 498, Sec. 2, Bentian Rd., Tainan, 709 Taiwan
R.O.C
4. If applicable, name and address of manufacturer's representative : Not applicable
5. Brief description : TWO-WHEEL MOPED, L1e
6. Submitted for approval on (date) : 10/05/2010

We herewith certify that we didn't apply nor receive a certificate for the above mentioned type in any other EC/ECE member state.

Signature:

Name: Ken Huang
Position: Vice-President
Date: 10/05/2010

THIS APPLICATION IS ACCOMPANIED WITH:-THE TEST REPORT





THE NETHERLANDS
(N E D E R L A N D)



EC TYPE-APPROVAL CERTIFICATE

Communication concerning:

- ~~type-approval~~⁽⁺⁾
- extension of type-approval ⁽¹⁾
- ~~refusal of type-approval~~⁽⁺⁾
- ~~withdrawal of type-approval~~⁽⁺⁾

of a type of vehicle with regard to Directive 2002/24/EC as last amended by Directive 2006/120/EC.

EC type-approval number : e4*2002/24*2135*01

Correction number : 01

Reason for extension : Correction of paragraph 3.0.~3.1.2. of the information document and paragraph 20.~21.2. of COC

Approval mark : e4*2002/24*2135

0. General

0.1. Make(s) (trade name of the manufacturer) : E-TON or MATRA

0.2. Type : EV3A
Variant(s) : 45 km/h, 30 km/h, 25 km/h
Version(s) : Not applicable

0.2.1. Commercial name(s) : E-MO or E-MO PLUS (variant 45 km/h)
E-MO 30 or E-MO PLUS 30 (variant 30 km/h)
E-MO Jr. or E-MO PLUS Jr. (variant 25 km/h)

0.3. Means of identification of type, if marked on the vehicle : RK1E??????????????

0.3.1. Location of that marking : At the right side of the frame beside the foot step

0.4. Category ⁽²⁾ : L1e



- 0.5. Name and address of the vehicle manufacturer : E-Ton Power Tech Co., Ltd.
No. 498, Sec. 2, Bentian Rd.,
Tainan, Taiwan, R.O.C.
- 0.5.1. Name(s) and address(es) of assembly plant(s) : E-Ton Power Tech Co., Ltd.
No. 498, Sec. 2, Bentian Rd.,
Tainan, Taiwan, R.O.C.

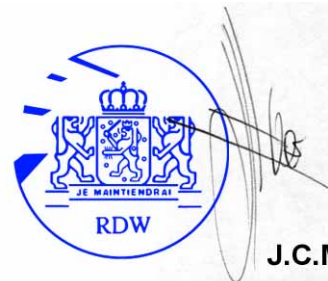
The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle type described above, for which one or several representative samples, selected by the competent approval authorities, has (have) been submitted as prototype(s) of the vehicle type and that the attached test results are applicable to the vehicle type.

The vehicle type meets/~~does not meet~~⁽¹⁾ the technical requirements of all relevant separate Directives (as last amended) listed in the table of Annex I to Directive 2002/24/EC.

The approval is granted/~~refused/withdrawn~~⁽¹⁾.

Place : Zoetermeer

Signature :



J.C.M. Hoes

Date : 09-DEC-2009

- Attachments:
- Information document, Parts 1 and 2 (Annex II).
 - Test results (Annex VII).
 - Name(s) and specimen(s) of the signature of the persons authorised to sign the certificates of conformity and a statement of their position in the company.
 - A model certificate of conformity.

⁽¹⁾ Delete where not applicable.

⁽²⁾ According to the classification introduced in Article 1.

ANNEX VII
TEST RESULTS

(Article 5(1), first subparagraph)



In each case, the information must make clear to which variant and version it is applicable.
One version may not have more than one result.

1. Results of the sound level tests: Not applicable

Number of the base Directive and latest amending Directive applicable to the approval.
In the case of a Directive with two or more implementation stages, indicate also the implementation stage:

- 97/24/EC Chapter 9 as last amended by 2006/120/EC

Variant/version	--	--	--
Moving dB(A)	--	--	--
Stationary dB(A)	--	--	--
at (min ⁻¹)	--	--	--

2. Results of the exhaust emission tests: Not applicable

Number of the base Directive and latest amending Directive applicable to the approval.
In the case of a Directive with two or more implementation stages, indicate also the implementation stage:

- 97/24/EC Chapter 5 as last amended by 2006/120/EC, stage 2002

Variant/version	--	--	--
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2.1. Type I

CO (g/km)	--	--	--
HC (g/km) ⁽¹⁾	--	--	--
NO _x (g/km) ⁽¹⁾	--	--	--
HC + NO _x (g/km) ⁽²⁾	--	--	--

2.2. Type II

CO (g/min) ⁽²⁾	--	--	--
HC (g/min) ⁽²⁾	--	--	--
CO (% vol) at normal idle speed ⁽¹⁾	--	--	--
Specify the idle speed ^{(1) (3)}	--	--	--
CO (% vol) at high idle speed ⁽¹⁾	--	--	--
Specify the idle speed ^{(1) (3)}	--	--	--
Engine oil temperature ^{(1) (4)}	--	--	--

3. Compression ignition engine: Not applicable

Variant/version	--	--	--
Corrected value of absorption coefficient (m ⁻¹)	--	--	--

⁽¹⁾ Only for motorcycles and motor tricycles and for quadricycles as defined in Article 1, paragraph 3(b).

⁽²⁾ Only for mopeds and for light quadricycles as defined in Article 1, paragraph 3(a).

⁽³⁾ Mention the measurement tolerance.

⁽⁴⁾ Applicable for four-stroke engines only.





E-TON POWER TECH CO., LTD.

EC CERTIFICATE OF CONFORMITY

The undersigned: *Ken Huang*, hereby certifies that the following vehicle

- 0.1 Make: E-TON
- 0.2 Type: EV3A
- Variant: 45 km/h
- Version: N.A.
- 0.2.1. Commercial name(s)(where appropriate): E-MO
- 0.4. Vehicle category: L1e
- 0.4.1. Vehicle category according to Directive 97/24/EC, Chapter 7 (if applicable): A
- 0.5. Name of the manufacturer: E-TON POWER TECH CO., LTD.
- Address: NO.498, Sec. 2, Bentian Rd.
- Postal code + City: 709, Tainan
- Country: Taiwan
- 0.6. Location of the statutory plate: R,x970,y101,z578



Vehicle identification number: RK1EG???????????

- 0.7. Location of the vehicle identification number on the chassis: R, x550, y117, z290

Conforms in all respects to the type described in EC type-approval
 EC type-approval number: e4*2002/24*2135*01
 dated: 09 DEC 2009

The vehicle can be permanently registered without requiring any further approvals, for driving on the left/right and for using metric/imperial units for the speedometer.

(Place) (Date) Tainan/Taiwan
 (Signature) (Position) *Ken Huang* Vice President

Additional information

- 1. Number of axles: 2
and wheels: 2
- 3. Wheel base: 1055 mm
- 6.1. Length: 1557 mm
- 7.1. Width: 655 mm
- 8. Height: 1007 mm
- 12.1. Mass of the vehicle (with bodywork) in running order: 50 kg
- 12.2. Unladen mass of the vehicle: 50 kg
- 14.1. Technically permissible maximum laden mass: 125 kg
- 14.2. Distribution of this mass among the axles: 1: 42 kg
2: 83 kg
- 14.3. Technically permissible mass on each axle: 1: 46 kg
2: 83 kg
- 17. Maximum mass of trailer: (braked): N/A kg
(unbraked): N/A kg
- 19.1. Maximum vertical load at the coupling point for a trailer: N/A kg

20. Engine manufacturer: Shing Yih
21. Engine type as marked on the engine: EV3
- 21.2. Engine number: S0????????
22. Working principle: electric/~~spark ignition~~/~~compression ignition~~, ~~four~~/~~two~~ stroke
23. Number and arrangement of cylinders: N/A
24. Cylinder capacity: N/A cm³
25. Fuel: N/A
26. Maximum net power or maximum continuous rated power as applicable: 1.02 kW at 550 min⁻¹
- 26.1 .Ratio: maximum net power or maximum continuous rated power/mass of the vehicle in running order: 0.0204 kW/kg
28. Gearbox (type): N/A
29. Gear ratios:
1 (Min CVT) 1
2
3
4
5
6(Max CVT) 1
32. Tyre size designation:
Axle 1: 2.25-14, 27B
Axle 2: 2.25-14, 27B
37. Body: yes/no
41. Number and configuration of doors: N/A
- 42.1. Number and position of seats: 1,r1:1C
- 43.1. Approval mark of coupling device, if fitted: N/A
44. Maximum speed: 44 km/h
45. Sound level: In accordance with 97/24/EC Chapter 9 amendment 2006/120/EC
Stationary: N/A dB(A)
at engine speed: N/A min⁻¹
Drive-by: N/A dB(A)
46. Exhaust emissions: In accordance with 97/24/EC Chapter 5 amendment 2006/120/EC, stage 2002
Type I test: CO: N/A g/km
HC: -- g/km
Nox: -- g/km
HC + Nox : N/A g/km

Type II test:
for mopeds:
CO: N/A g/min
HC: N/A g/min


for motorcycles and tricycles:
CO: N/A % vol
Visible air pollution caused by an engine with compression ignition corrected value of absorption coefficient: N/A m⁻¹



47. Fiscal power or national code number(s):

Germany: 2604/09	France: L1EETNCL000X003	Italy: OARFZ08EST01	Netherlands: N/A
Sweden: N/A	Belgium:	Hungary: --	Czech Republic: CZ7311060207
Spain:	United Kingdom:	Austria: ATU18522105	Luxembourg:
Finland: N/A	Denmark:	Poland: --	Portugal: --
Greece: --	Ireland:	Slovenia: SI94028044	Slovakia: --
Estonia: N/A	Latvia: N/A	Lithuania: N/A	Malta: --
Cyprus: --	Bulgaria:	Romania:	

50. Remarks: N.A.
51. Exemptions: N.A.

- 1.5. Number of seating positions : 1
- 1.6. Hand of drive- left or right : N.A.
- 1.6.1. Vehicle is equipped to be driven in right-hand or left-hand rule of the road traffic : Both
- 2. Masses**
- 2.0. Unladen mass : 50 kg
- 2.1. Mass of vehicle in running order : 50 kg
- 2.1.1. Distribution of that mass between the axles : Front- 18 kg, rear- 32 kg
- 2.2. Mass of vehicle in running order, together with rider : 125 kg
- 2.2.1. Distribution of that mass between the axles : Front- 42 kg, rear- 83 kg
- 2.3. Maximum technically permissible mass declared by the manufacturer : 125 kg
- 2.3.1. Division of that mass between the axles : Front- 42 kg, rear- 83 kg
- 2.3.2. Maximum technically permissible mass on each of the axles : Front- 46 kg, rear- 83 kg
- 2.4. Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer : 10°
- 2.5. Maximum tow able mass : N.A.
- 2.6. Maximum mass of the combination : N.A.
- 3. Engine**
- 3.0. Manufacturer : Shing Yih
- 3.1. Make : 
- 3.1.1. Type : EV3
- 3.1.2. Location of engine number : See Dwg. C130A-EGC2-0000-S01
- 3.2. Spark- or compression-ignition engine
- 3.2.1. Specific characteristics of the engine
- 3.2.1.1. Operating cycle : N.A.
- 3.2.1.2. Number, arrangement and firing order of cylinders : N.A.
- 3.2.1.2.1. Bore : N.A.
- 3.2.1.2.2. Stroke : N.A.
- 3.2.1.3. Cylinder capacity : N.A.
- 3.2.1.4. Compression ratio : N.A.
- 3.2.1.5. Drawings of cylinder head, piston(s), piston rings and cylinder(s) : N.A.
- 3.2.1.6. Idling speed min⁻¹ : N.A.
- 3.2.1.7. Maximum net power output : N.A.
- 3.2.1.8. Net maximum torque : N.A.

