Communication concerning: [TYPE-APPROVAL][1][2]
- EXTENSION OF TYPE APPROVAL
- 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 ---

Type-approval number : e4*2002/24/0369*00

Reason for extension : (a):

II. GENERAL

II.1. Make(s)/(trade name of the manufacturer):

--- Xintian, Kinroad, Marshun

II.2. Type:

--- XT50QT

II.3. Commercial name(s):

--- Fresh Wind

II.4. Means of identification of type, if marked on the vehicle:

--- Sticker

II.5. Location of that marking:

--- Brand id in both sides of tank, type id in two sides of motorcycle

II.6. Category (2):

--- moped (L1e)

II.7. Name and address of the vehicle manufacturer:

--- Jiangsu Kinroad Xintian Motorcycle Co., Ltd
--- Quanzhou Town, Wuxi City,
--- 214105, Jiangsu Province,
--- P.R. China

II.8. Name(s) and address(es) of assembly plant(s):

--- Jiangsu Kinroad Xintian Motorcycle Co., Ltd
--- Quanzhou Town, Wuxi City,
--- 214105, Jiangsu Province,
--- P.R. China

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, 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) 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The approval is granted/refused/withdrawn (x).

Zoetermeer

(Place)

P. Pijnacker

(Date)

Postbus 779
2200 AT Zoetermeer

Europaweg 205
Zoetermeer

Tel 013 70 345 81 81
Fax 013 70 345 80 33
TEST RESULTS

1. Results of the sound level tests:

   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.

   Variant/Version:
   
   Moving dB(A): 69.5
   
   Stationary dB(A): 80
   
   at (min^-1): 2750

2. Results of the exhaust emission tests:

   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.

   Variant/Version:
   
   2.1. Type I
   
   CO (g/km): 0.769
   
   HC (g/km): 0.016
   
   NOx (g/km): 0.072
   
   HC + NOx (g/km): 0.142

   2.2. Type II
   
   CO (g/km): 0.030
   
   HC (g/min): 0.063
   
   CO (% Vol): 0.001

3. Compression ignition engine

   Variant/Version: --
   
   Corrected value of absorption coefficient (m/1):
   
   **Note:** Only for motorcycles and motor tricycles and for quadricycles as defined in Article 1, paragraph A (b).
   
   **Note:** Only for mopeds and for light quadricycles as defined in Article 1, paragraph A (b).
Type-approval number: ed*2002/24*0309*00

Attachments: Information document, Parts 1 and 2.

Test results:

Names and specimen(s) of the persons authorised to sign the certificates of conformity and a statement of their position in the company.

A model certificate of conformity:
Document information about two-wheel moped
Reference number of information document: 2002/24-XT50QT-00
Application date: March 8, 2004

LIST OF CONTENT

I. 2002/24 INFORMATION DOCUMENT – GENERAL INFORMATION
II. CONTENT OF DRAWINGS

<table>
<thead>
<tr>
<th>Drawing no.</th>
<th>Drawing subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>XT50QT-01</td>
<td>Complete vehicle-dimension</td>
</tr>
<tr>
<td>XT50QT-02</td>
<td>Cylinder Head</td>
</tr>
<tr>
<td>XT50QT-03</td>
<td>Piston</td>
</tr>
<tr>
<td>XT50QT-04</td>
<td>The first piston ring</td>
</tr>
<tr>
<td>XT50QT-05</td>
<td>The second piston ring</td>
</tr>
<tr>
<td>XT50QT-06</td>
<td>The third piston ring</td>
</tr>
<tr>
<td>XT50QT-07</td>
<td>Cylinder</td>
</tr>
<tr>
<td>XT50QT-08</td>
<td>Fuel Tank</td>
</tr>
<tr>
<td>XT50QT-09</td>
<td>Fuel Tank Installation</td>
</tr>
<tr>
<td>XT50QT-10</td>
<td>Ignition Advance Curve</td>
</tr>
<tr>
<td>XT50QT-11</td>
<td>Anti radiation-Spark Plug</td>
</tr>
<tr>
<td>XT50QT-12</td>
<td>Anti - Radiation High Voltage Cap</td>
</tr>
<tr>
<td>XT50QT-13</td>
<td>Induction System</td>
</tr>
<tr>
<td>XT50QT-14</td>
<td>Induction Manifold</td>
</tr>
<tr>
<td>XT50QT-15</td>
<td>Air Filter</td>
</tr>
<tr>
<td>XT50QT-16</td>
<td>Complete exhaust system</td>
</tr>
<tr>
<td>XT50QT-17</td>
<td>Exhaust pipe work</td>
</tr>
<tr>
<td>XT50QT-18</td>
<td>Engine cycles</td>
</tr>
<tr>
<td>XT50QT-19</td>
<td>Crankcase-gas Recycling Device</td>
</tr>
<tr>
<td>XT50QT-20</td>
<td>Transmission Diagram</td>
</tr>
<tr>
<td>XT50QT-21</td>
<td>Speedometer</td>
</tr>
<tr>
<td>XT50QT-22</td>
<td>Front Folk Assy.</td>
</tr>
<tr>
<td>XT50QT-23</td>
<td>Rear suspension</td>
</tr>
<tr>
<td>XT50QT-24</td>
<td>Brake system</td>
</tr>
<tr>
<td>XT50QT-25</td>
<td>Front Brake shoe</td>
</tr>
<tr>
<td>XT50QT-26</td>
<td>Rear Brake lining</td>
</tr>
<tr>
<td>XT50QT-27</td>
<td>Front brake lever</td>
</tr>
<tr>
<td>XT50QT-28</td>
<td>Rear brake lever</td>
</tr>
<tr>
<td>XT50QT-29</td>
<td>Lighting installation</td>
</tr>
<tr>
<td>XT50QT-30</td>
<td>control Id indicator and tell - tale system</td>
</tr>
<tr>
<td>XT50QT-31</td>
<td>Location of the Statutory inscription and the Chassis Number</td>
</tr>
<tr>
<td>XT50QT-32</td>
<td>Manufacture’s data plate</td>
</tr>
<tr>
<td>XT50QT-33</td>
<td>Anti-theft device</td>
</tr>
<tr>
<td>XT50QT-34</td>
<td>Horn Installation</td>
</tr>
<tr>
<td>XT50QT-35</td>
<td>Space for Rear Registration Plate</td>
</tr>
<tr>
<td>XT50QT-36</td>
<td>Mirror Position</td>
</tr>
<tr>
<td>XT50QT-37</td>
<td>Mirror Installation</td>
</tr>
</tbody>
</table>
### Statement Concerning Anti-Tampering Requirements and Anti-Theft Device (If Applicable)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XT50QT-38</td>
<td>Stands</td>
</tr>
<tr>
<td>XT50QT-39</td>
<td>Anti-tampering Plate(1)</td>
</tr>
<tr>
<td>XT50QT-40</td>
<td>Chassis</td>
</tr>
<tr>
<td>XT50QT-41</td>
<td>List of Lighting and Light-signalling devices</td>
</tr>
<tr>
<td>XT50QT-42</td>
<td>Anti-tampering Plate(2)</td>
</tr>
<tr>
<td>XT50QT-43</td>
<td>Anti-tampering Plate(3)</td>
</tr>
<tr>
<td>XT50QT-44</td>
<td>Rear Brake shoe</td>
</tr>
<tr>
<td>XT50QT-45</td>
<td>Front Brake lining</td>
</tr>
</tbody>
</table>
PART 1
A. INFORMATION RELATING JOINTLY TO MOPEDS, MOTOR CYCLES, MOTOR TRICYCLES AND QUADRICYCLES

0. General

0.1. Make : XinTian, Kinroad, Marshin

0.2. Type (state any possible variants and versions: each variant and each version must be identified by a code consisting of numbers or a combination of letters and numbers) : XT50QT

0.2.1. Commercial name (where applicable) : Fresh Wind

0.3. Means of type identification if stated on vehicle(b) : sticker

0.3.1. Location of that means of identification : Brand id on the front cover, type id in two sides of motorcycle

0.4. Vehicle category(C) : Moped(L1e)

0.5. Name and address of manufacturer : Jangsu Kinroad Xintian motorcycle Co.,Ltd Outang Town, Wuxi City, 214153, Jiangsu Province, P.R.China

0.5.1. Name(s) and addresse(s) of assembly plants : Jangsu Kinroad Xintian motorcycle Co.,Ltd Outang Town, Wuxi City, 214153, Jiangsu Province, P.R.China

0.6. Name and address of manufacturer's authorised representative, if any : Carmarketwales company Adelphi house Freeholdland pontypool gwent,np4 8ln U.K

0.7. Location and method of affixing statutory inscriptions to the chassis : Statutory inscription on the bracket of engine suspending

0.7.1. The serial numbering of the type begins with No : LBXTABPA000000001

0.8. Position and method of affixing the component type-approval mark for components and separate technical units : Mark on the surface of the component and made by molding

1. General arrangement of the vehicle

1.1. Photos and/or drawings of a typical vehicle : Refer to drawing No. XT50QT-01

1.2. Dimensional drawing of the complete : Refer to drawing No. XT50QT-01
1.2.1. Wheelbase : 1210mm

1.3. Number of axles and wheels (where appropriate, number of crawler tracks or belts) : 2 axles / 2 wheels

1.4. Position and arrangement of engine : in the rear of the main frame, cylinder horizontal longitude oriented

1.5. Number of seating positions : 1

1.6. Hand of drive - left or right (1) : right-hand and left-hand

1.6.1. Vehicle is equipped to be driven in right-hand or left-hand rule of the road traffic (1)

2. Masses (in kg) (2)

2.0. Unladen mass (4) (i) : 68kg ± 3 kg

2.1. Mass of vehicle in running order (i) : 72kg ±4 kg

2.1.1. Distribution of that mass between the axles
    Front: 29kg ± 2kg
    Rear : 43kg ± 2kg

2.2. Mass of vehicle in running order, together with rider : 147kg ±7 kg

2.2.1. Distribution of that mass between the axles
    Front: 57kg ± 3kg
    Rear:90kg ± 5kg

2.3. Maximum technically permissible mass declared by the manufacturer : 152 kg

2.3.1. Division of that mass between the axles
    Front:57 kg
    Rear:95 kg

2.3.2. Maximum technically permissible mass on each of the axles
    Front: 57 kg
    Rear: 95 kg

2.4. Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer : 21%

2.5. Maximum towable mass (where applicable) : n.a.

2.6. Maximum mass of the combination : n.a.

3. Engine (e)

3.0. Manufacturer : Wuxi aiqike engine factory

3.1. Make : XinTian Kinroad Marshin

3.1.1. Type (stated on the engine, or other means of identification) : 139QMB

3.1.2. Location of engine number (if applicable) : Right lower side of engine body

3.2. Spark- or compression-ignition engine (i) : Spark-ignition engine

3.2.1. Specific characteristics of the engine

3.2.1.1. Operating cycle (four or two-stroke, ) : Four-stroke
spark or compression ignition) (1)

3.2.1.2. Number, arrangement and firing order of cylinders: 1 cylinder

3.2.1.2.1. Bore (f) : 39.0mm
3.2.1.2.2. Stroke (f) : 41.4 mm

3.2.1.3. Cylinder capacity (g) : 49.0cm³

3.2.1.4. Compression ratio (2) : 7.5 ± 0.2 : 1

3.2.1.5. Drawings of cylinder head, piston(s), piston rings and cylinder(s)
 Refer to drawing No. XT50QT-02
 Refer to drawing No. XT50QT-03
 Refer to drawing No. XT50QT-04
 Refer to drawing No. XT50QT-05
 Refer to drawing No. XT50QT-06
 Refer to drawing No. XT50QT-07

3.2.1.6. Idling speed : 1500 ± 100 min⁻¹

3.2.1.7. Maximum net power output : 2.0kW at 7500min⁻¹

3.2.1.8. Net maximum torque : 2.8Nm at 5500min⁻¹

3.2.2. Fuel : petrol

3.2.3. Fuel tank

3.2.3.1. Maximum capacity (2) : 6.0L ± 0.5L

3.2.3.2. Drawing of tank with indication of material used : refer to drawing No.XT50QT-08

3.2.3.3. Diagram clearly indicating the position of the tank on the vehicle : refer to drawing No.XT50QT-09

3.2.3.4. Approval number of the fuel tank fitted : n.a.

3.2.4. Fuel supply

3.2.4.1. Via carburettor(s) : yes/no (1)

3.2.4.1.1. Make(s) : WABRO

3.2.4.1.2. Type(s) : PD19JD2

3.2.4.1.3. Number fitted : 1

3.2.4.1.4. Settings (2)

i.e. of

3.2.4.1.4.1. Diffusers : Ø0.9⁷⁺0.005 mm

3.2.4.1.4.2. Level in float chamber : 27.2mm ± 0.1mm

3.2.4.1.4.3. Mass of float : 8g± 0.3g

3.2.4.1.4.4. Float needle : Ø5.3⁻⁴⁻0.08 mm

or

3.2.4.1.4.5. Fuel curve as a function of the air flow and setting required in order to maintain that curve : n.a.

3.2.4.1.5. Cold-starting system (1) : automatic

3.2.4.1.5.1. Operating principle(s) : Enrich the air fuel mixture rate by using the electronic choke mechanism on the carburetor to assist the cold starting. The electronic choke is controlled by electricity
3.2.4.2. By fuel injection (solely in the case of compression ignition) (yes/no): n.a.
3.2.4.3. By fuel injection (solely in the case of spark-ignition): n.a.
3.2.4.4. Fuel pump: n.a.
3.2.5. Electrical equipment
3.2.5.1. Nominal voltage: 12V, negative earth
3.2.5.2. Generator
3.2.5.2.1. Type: CYW50
3.2.5.2.2. Nominal power: 115 W
3.2.6. Ignition
3.2.6.1. Make(s): XINGGUANG
3.2.6.2. Type(s): 50222
3.2.6.3. Operating principle: CDI
3.2.6.4. Ignition advance curve or operating set point (2): refer to drawing No. XT50QT-10
3.2.6.5. Static timing (2): 27° ± 3° before TDC
3.2.6.6. Points gap (2): n.a.
3.2.6.7. Dwell angle (2): n.a.
3.2.6.8. Anti-radio interference system
3.2.6.8.1. Terminology and drawing of anti-radio interference equipment: By using the resistance to regulate the radio interference refer to drawing No.XT50QT-11 refer to drawing No.XT50QT-12
3.2.6.8.2. Indication of the nominal DC resistance value and, in the case of resistive ignition leads, statement of nominal resistance per metre: Spark plug: 5 ± 0.5kΩ High-voltage cap: 5 ± 0.5kΩ
3.2.7. Cooling system (liquid/air) (1): Air cooling
3.2.7.1. Nominal setting for the engine-temperature control device: n.a.
3.2.7.2. Liquid
3.2.7.2.1. Nature of liquid: n.a.
3.2.7.2.2. Circulating pump(s): n.a.
3.2.7.3. Air
3.2.7.3.1. Blower: Yes
3.2.8. Induction system
3.2.8.1. Supercharging: n.a.
3.2.8.1.1. Make(s): n.a.
3.2.8.1.2. Type(s): n.a.
3.2.8.1.3. Description of system [example: maximum boost pressure in kPa, waste gate (where appropriate)]: n.a.
### 3.2.8.2. Intercooler
- Description and drawings: without

### 3.2.8.3. Description and drawings of induction pipework and accessories (plenum chamber, heating device, additional air intakes, etc.)
- Description of induction manifold: refer to drawing No. XT50QT-14
- Air filter, drawings: refer to drawing No. XT50QT-15

### 3.2.8.3.1. Description of induction manifold (with drawings and/or photos)
- Make(s): n.a.
- Type(s): n.a.

### 3.2.8.3.2. Air filter, drawings
- Make(s): n.a.
- Type(s): n.a.

### 3.2.8.3.3. Inlet silencer, drawings
- Make(s): n.a.
- Type(s): n.a.

### 3.2.9. Exhaust system
- Drawing of complete exhaust system: refer to drawing No. XT50QT-16

### 3.2.10. Minimum cross-section of the inlet and exhaust ports
- Inlet conduit: 154mm²
- Outlet of the exhaust: 150mm²

### 3.2.11. Induction system or equivalent data
- Maximum valve lift, opening and closing angles: Maximum valve lift 5.35mm
- Reference and/or setting ranges: n.a.

### 3.2.12. Anti-air pollution measures adopted
- Crankcase-gas recycling device: refer to drawing No. XT50QT-19
- Additional anti-pollution devices: Catalytic converter in exhaust pipe and the second air-feed device on vehicle

### 3.3. Electric traction motor
- Type (winding, excitation): n.a.
- Maximum continuous rated power: n.a.
- Operating voltage: n.a.
- Battery: n.a.
- Number of cells: n.a.
- Mass: n.a.
- Capacity: n.a.
3.3.2.4. Location : n.a.

3.4. Other motors or combinations of motors (specific information concerning the parts of those motors) : n.a.

3.5. Cooling system temperatures permitted by the manufacturer

3.5.1. Liquid cooling

3.5.1.1. Maximum temperature at outlet : n.a.

3.5.2. Air cooling

3.5.2.1. Reference point : Spark plug washer

3.5.2.2. Maximum temperature at reference point : 230°C

3.6. Lubrication system

3.6.1. Description of system : Pressure spray

3.6.1.1. Location of oil reservoir (if any) : Inside the engine case

3.6.1.2. Feed system (pump/injection into induction system/mixed with the fuel, etc.) (1) : n.a.

3.6.2. Lubricant mixed with the fuel

3.6.2.1. Percentage : n.a.

3.6.3. Oil cooler : n.a.

3.6.3.1. Drawing(s) : n.a.

3.6.3.1.1. Make(s) : n.a.

3.6.3.1.2. Type(s) : n.a.

4. Transmission (h)

4.1. Diagram of transmission system : refer to drawing No. XT50QT-20

4.2. Type (mechanical, hydraulic, electrical, etc.) : mechanical

4.3. Clutch (type) : Automatic centrifugal

4.4. Gearbox

4.4.1. Type : automatic

4.4.2. Method of selection : By hand

4.5. Gear ratios

<table>
<thead>
<tr>
<th>N</th>
<th>R1</th>
<th>R2</th>
<th>R3</th>
<th>Rt</th>
</tr>
</thead>
<tbody>
<tr>
<td>minimum transmission ratio</td>
<td>0.8</td>
<td>3.25</td>
<td>3.4</td>
<td>9.52</td>
</tr>
<tr>
<td>maximum transmission ratio</td>
<td>2.4</td>
<td>3.25</td>
<td>3.4</td>
<td>26.52</td>
</tr>
<tr>
<td>Reverse gear</td>
<td>n.a</td>
<td>n.a</td>
<td>n.a</td>
<td>n.a</td>
</tr>
</tbody>
</table>

N = gear ratio
R1 = primary ratio (ratio of engine speed to rotational speed of primary gear box shaft)
R2 = secondary ratio (ratio of rotational speed of primary shaft to rotational speed of secondary
shaft in gearbox).  
R3= final drive ratio (ratio of rotarional speed of gearbox output shaft to rotational speed of driven wheels).  
Rt = overall ratio.

4.5.1. Brief description of the electrical and/or electronic components used in the transmission  : n.a.

4.6. Maximum speed of vehicle and gear in which it is reached (in km/h) : 45km/h

4.7. Speedometer

4.7.1. Make(s)  : Zhengtong
4.7.2. Type(s)  : ZT50-2A-YB
4.7.3. Photographs and/or drawings of the complete system  : Refer to drawing No.XT50QT-21
4.7.4. Speed range displayed : 0~60km/h
4.7.5. Tolerance of the measuring mechanism of the speedometer

<table>
<thead>
<tr>
<th>Km/h</th>
<th>30</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>tolerance</td>
<td>+5</td>
<td>+8</td>
</tr>
</tbody>
</table>

4.7.6. Technical constant of the speedometer : 12.97 rpm/degree
4.7.7. Method of operation and description of the drive mechanism : Rolling of front wheel makes worm wheel turn then drive to worm, soft-axes to meter worm
4.7.8. Overall transmission ratio of the drive mechanism : (1/10) X (1/10) X (1/14) = 1/1400

5. Suspension

5.1. Drawing of suspension arrangement  : Refer to drawing No. XT50QT-22  
Refer to drawing No. XT50QT-23

5.1.1. Brief description of the electrical and/or electronic components used in the suspension  : n.a.

5.2. Tyres (category, dimensions and maximum loading) and rims (standard type)  : Tyres:
front & rear: category J, 3.00-10, 42 J, 2.1X10

5.2.1. Nominal rolling circumference : Front: 1297mm  
Rear: 1297mm
5.2.2. Tyre pressures recommended by the manufacturer  : Front: 175kPa  
Rear: 200kPa
5.2.3. Tyre/wheel combinations  : n.a.
5.2.4. Minimum-speed category symbol compatible with the theoretical maximum design speed of the vehicle  : B
5.2.5. Minimum load-capacity index with the maximum load on each tyre  : Front: 16  
Rear: 49
5.2.6. Categories of use compatible for the vehicle: normal

6. Steering
6.1. Steering gear and control
6.1.1. Type of gear: n.a.
6.1.2. Brief description of the electrical and/or electronic components used in the steering system: n.a.

7. Braking
7.1. Diagram of braking devices: Refer to drawing No.XT50QT-24
7.2. Front disc / drum brake (1): Front: drum brake
    Rear disc / drum brakes (1): Rear: drum brake
7.2.1. Make(s): Chongqing Zhenhua brake Co., Ltd
7.2.2. Type(s): Front: Ø95
    Rear: Ø110
7.3. Drawing of parts of the brake system
7.3.1. Shoes and/or pads (1): Refer to drawing No. XT50QT-25
    Refer to drawing No. XT50QT-44
7.3.2. Linings and/or pads (Indicate make, grade of material or identification mark) (1): Refer to drawing No. XT50QT-26
    Refer to drawing No. XT50QT-45
7.3.3. Brake levers and/or pedals (1): Front: Brake level
    Refer to drawing No. XT50QT-27
    Rear: Brake level
    Refer to drawing No. XT50QT-28
7.3.4. Hydraulic reservoirs (where applicable): n.a.
7.4. Other devices (where applicable): n.a.
    drawing and description: n.a.
7.5. Brief description of the electrical and/or electronic components used in the braking system: n.a.

8. Lighting and light-signalling devices
8.1. List of all devices (mentioning the number, make(s), model, component type-approval mark(s), the maximum intensity of the main-beam headlamps, colour, the corresponding tell-tale): Refer to drawing No. XT50QT-41
8.2. Diagram showing the location of the lighting and light-signalling devices: Refer to drawing No. XT50QT-29
8.3. Hazard warning lamps (where fitted): n.a.
8.4. Additional requirements relating to special vehicles: n.a.

8.5. Brief description of the electrical and/or electronic components used in the lighting system and in the light-signalling system: n.a.

9. Equipment

9.1. Coupling devices (where applicable)
9.1.1. Type (hook/ring/other) \(^{(1)}\): n.a.
9.1.2. Photograph and/or drawings showing the position and the construction of the coupling devices: n.a.

9.2. Arrangement and identification of controls, tell-tales and indicators
9.2.1. Photographs and/or drawings of the arrangement of the symbols, controls, tell-tales and indicators: Refer to drawing No. XT50QT-30

9.3. Statutory inscriptions
9.3.1. Photographs and/or drawings showing the location of the statutory inscriptions and the chassis number: Refer to drawing No. XT50QT-31
9.3.2. Photographs and/or drawings showing the official part of the inscription (with statement of dimensions): Refer to drawing No. XT50QT-32
9.3.3. Photographs and/or drawings of the chassis number (with statement of dimensions): Refer to drawing No. XT50QT-31

9.4. Device(s) to protect against unauthorised use
9.4.1. Type of device(s): TYPE 2
9.4.2. Summary description of device(s) used
   - Steering lock,
   - Refer to drawing No. XT50QT-33

9.5. Audible warning device(s)
9.5.1. Summary description of device(s) used and their purpose: Electro magnetic actuated diaphragm
9.5.2. Make(s): CHANGJIE
9.5.3. Type(s): DL-60
9.5.4. Type-approval mark: E9*93/30*1026*00
9.5.5. Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle: Refer to drawing No. XT50QT-34
9.5.6. 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. XT50QT-34
9.6. Location of rear registration plate (indicate variants where necessary; drawings may be used as appropriate): Refer to drawing No. XT50QT-35

9.6.1. Inclination of plane in relation to the vertical: 20° facing up
B. INFORMATION RELATING SOLELY TO TWO-WHEEL MOPEDS AND MOTORCYCLES

1. Equipment

1.1. Rear-view mirror(s) (please provide the following information for each rear-view mirror)

1.1.1. Make : K SOURCE
1.1.2. Component type-approval mark : Le13-004002
1.1.3. Variant : n.a.
1.1.4. Drawing(s) showing the location of the rear-view mirror(s) in relation to the structure of the vehicle : Refer to drawing No. XT50QT-36
1.1.5. Precise information concerning the type of attachment, including that part of the vehicle structure to which the rear-view mirror is attached : Refer to drawing No. XT50QT-37

1.2. Stand

1.2.1. Type (central and/or side) : side stand and center stand
1.2.2. Drawing showing the location of the stand(s) in relation to the structure of the vehicle : Refer to drawing No. XT50QT-38

1.3. Attachments for motorcycle sidecars (where applicable)

1.3.1. Photographs and/or drawings showing the location and the construction : n.a.

1.4. Hand-hold for a passenger

1.4.1. Type (strap and/or handle) : n.a.
1.4.2. Photographs and/or drawings showing the location : n.a.

1.5. For mopeds fitted with pedals and, if Directive 97/24/EC, Chapter 3, Annex I, point 3.5 applies, description of the measures taken in order to ensure safety : n.a.

1.6. Design and position of the label referred to in Directive 97/24/EC, Chapter 7 : Refer to drawing No. XT50QT-39
Refer to drawing No. XT50QT-42
Refer to drawing No. XT50QT-43
Statement Concerning Authority Of Signature On COC Paper

We, Jiangsu Kinroad Xintian Motorcycle Co., Ltd., declare that the undersigned, Mr. Lu Xing, the General Manager of our company, will be the authorized person to sign the COC paper of the motorcycle

Type: XT50QT

Specification of signature of COC:

[Signature]

Mr. Lu Xing,
Date: March 8, 2004
A CERTIFICATE OF CONFORMITY ACCOMPANYING EACH VEHICLE IN THE SERIES OF THE TYPE WHICH HAS BEEN APPROVED

EC CERTIFICATE OF CONFORMITY

Date: 1

The undersigned Mr. Luing

Hereby certifies that the following vehicle:

1.1. Make:

XinTian, MaShan, XinRong

XT50QT

1.2. Type:

n.

1.2.1 Commercial type(s) (where appropriate):

Freewind

1.4. Vehicle category according to Directive 97/68/EC Chapter II (if applicable) No MEB0/704

A

2.5. Name and address of the manufacturer:

Jiangsu XinTian Motorcycles Co., Ltd;
Outang Town, Wuxi City, 214153, Jiangsu Province,
P.R. China

2.6. Location of the statutory plate(s):

R, X290, y 170, a: 165

Vehicle identification number:

LBXTA0PA********

R, X320, y 5, z 2900

3. Location of the vehicle identification number on the chassis:

Conforms to all respects to the type described in EC type approval

EC type approval number: 0420052341009480

dated:

Jiangsu, P.R. China

MMKMBDD YYYYY

(signature)

General Manager
## Additional Information

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Number of axles: 2</td>
<td>and wheels: 2</td>
</tr>
<tr>
<td>2.</td>
<td>Wheelbase</td>
<td>120 cm</td>
</tr>
<tr>
<td>3.</td>
<td>Length</td>
<td>2650 mm</td>
</tr>
<tr>
<td>4.</td>
<td>Width</td>
<td>625 mm</td>
</tr>
<tr>
<td>5.</td>
<td>Height</td>
<td>1050 mm</td>
</tr>
<tr>
<td>7.1.</td>
<td>Mass of motorcycle + baggage + luggage under seat</td>
<td>172 kg</td>
</tr>
<tr>
<td>7.2.</td>
<td>Unladen mass of the vehicle</td>
<td>88 kg</td>
</tr>
<tr>
<td>7.3.</td>
<td>Technically permissible maximum total mass</td>
<td>147 kg</td>
</tr>
<tr>
<td>7.6.</td>
<td>Distribution of the mass among the axles</td>
<td>90 kg</td>
</tr>
<tr>
<td>16.2.</td>
<td>Technically permissible mass on each axle</td>
<td>57 kg</td>
</tr>
<tr>
<td>17.</td>
<td>Maximum mass of trailer</td>
<td>450 kg</td>
</tr>
<tr>
<td>20.</td>
<td>Maximum vertical load at the coupling point</td>
<td>25 kg</td>
</tr>
<tr>
<td>21.</td>
<td>Maximum transmission power</td>
<td>1500 Nm</td>
</tr>
<tr>
<td>22.</td>
<td>Engine type</td>
<td>Water-cooled, Air-cooled, Four-stroke, Four-valve per cylinder, 1000 cc, 80 hp</td>
</tr>
<tr>
<td>23.</td>
<td>Height (above the ground)</td>
<td>60 cm</td>
</tr>
<tr>
<td>24.</td>
<td>Combustion chamber</td>
<td>28 cm³</td>
</tr>
<tr>
<td>25.</td>
<td>Displacement</td>
<td>1000 cc</td>
</tr>
<tr>
<td>26.</td>
<td>Maximum power at maximum continuous rated power as applicable</td>
<td>1500 Nm</td>
</tr>
<tr>
<td>26.3.</td>
<td>Maximum continuous rated power at maximum speed as applicable</td>
<td>1500 Nm</td>
</tr>
<tr>
<td>32.</td>
<td>Gear ratio:</td>
<td>Minimum transmission ratio 3.52:1 Maximum transmission ratio 8.58:1</td>
</tr>
<tr>
<td>34.</td>
<td>Engine type</td>
<td>Water-cooled, Air-cooled, Four-stroke, Four-valve per cylinder, 1000 cc, 80 hp</td>
</tr>
<tr>
<td>35.</td>
<td>Number of cylinders</td>
<td>2</td>
</tr>
<tr>
<td>36.</td>
<td>Maximum speed</td>
<td>120 km/h</td>
</tr>
<tr>
<td>37.</td>
<td>Maximum speed</td>
<td>120 km/h</td>
</tr>
<tr>
<td><strong>Item</strong></td>
<td><strong>Value</strong></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>Horsepower</td>
<td>80 dIN (48 kW)</td>
<td></td>
</tr>
<tr>
<td>Drive box</td>
<td>6-speed</td>
<td></td>
</tr>
<tr>
<td>Exhaust emissions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raw:</td>
<td>for motorcycles and scooters CO₂</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0,289 g km⁻¹ BGE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0,122 g km⁻¹ BGE + NOx</td>
<td></td>
</tr>
<tr>
<td>Raw:</td>
<td>for mopeds CO₂</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0,058 g km⁻¹ BGE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0,008 g km⁻¹ BGE + NOx</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Injection coefficient: 1,1</td>
<td></td>
</tr>
<tr>
<td><strong>Exemption</strong></td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Exemption:</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>
To whom it may concern.

Acc. to 97/24/EC chapter 7, annex no. 2.2.
We herewith declare, that modifications of the following items will not increase the vehicle's maximum speed more than 5km/h.
- Ignition (advance etc.)
- Fuel feed system
- Air intake filter

Acc. to 97/24/EC chapter 7, annex No. 2.4
We here with declare, that removing the air filter must not have the effect of increasing a moped's maximum design speed by more than 10%.

Acc. to 97/24/EC chapter 7, annex no. 3.1.
We herewith declare that the seal between the following engine parts does not exceed their limitations in compliance to the directive

| Seal between cylinder head and cylinder | Thickness | < 1.3 mm |

Acc. to 93/33/EC annex 1, no. 3.6.
The vehicle's key locking system incorporates more than 1000 different combinations.

Lu Xing / general manager

JIANGSU KINROAD XINTIAN MOTORCYCLE CO., LTD
Vehicle Type: XT50QT
The First piston Ring
Drawing No.: XT50QT-04
Vehicle Type | XT50QT
---|---
The Second piston Ring
Drawing No. | XT50QT-05
SECTION A-A

WORK GAP 0.2~0.35mm

OIL RING OUTSPREAD 10:1
Vehicle Type | XT50QT
---|---
Cylinder | 
Drawing No. | XT50QT-07
Material: 08F

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>XT50QT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td></td>
</tr>
<tr>
<td>Drawing No.</td>
<td>XT50QT-08</td>
</tr>
</tbody>
</table>
Vehicle Type | XT500GT
---|---
Fuel Tank Installation | 
Drawing No. | XT500GT-09
Vehicle Type | XT50QT  
---|---  
Ignition Advance Curve  
Drawing No. | XT50QT-10
Resistance: $5K\Omega \pm 0.5K\Omega$

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>XT50QT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti radiation</td>
<td>Spark Plug</td>
</tr>
<tr>
<td>Drawing No.</td>
<td>XT50QT-11</td>
</tr>
</tbody>
</table>
Resistance: $5\Omega \pm 0.5\Omega$
<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>XT50QT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Induction System</td>
<td></td>
</tr>
<tr>
<td>Drawing No.</td>
<td>XT50QT-13</td>
</tr>
</tbody>
</table>
Vehicle Type | XT50QT
---|---
Induction Manifold | 
Drawing No. | XT50QT-14
Vehicle Type: XT50GT
Crankcase-gas Recycling Device
Drawing No. XT50QT-19
BRAKE PLATE AREA (FRONT WHEEL)
1690 mm² x 2 = 3380 mm²

BRAKE LEVER (R)

REAR WHEEL

BRAKE PLATE AREA (REAR WHEEL)
110 mm² x 25 = 2750 mm²

Vehicle Type | XT50QT
Brake System
Drawing No. | XT50QT-24
Vehicle Type | XT50QT
---|---
front Brake Shoe | 
Drawing No. | XT50QT-25
JIANGSU KINROAD XINTIAN MOTORCYCLE CO., LTD

Outang town, Wuxi city, 214153
Jiangsu province, P.R.China

Vehicle Type: XT500T
Manufacturer's data plate
Drawing No.: XT500T-32

First application
Issue Date: March 8, 2004

90

40

JIANGSU KINROAD XINTIAN

Motorcycle Co., Ltd

e4 * 2002/24*0309*00
*LBXTABPAX40000001*
80dB(A)-3750 min⁻¹
Vehicle Type: XT50QT
Anti-theft device
Drawing No.: XT50QT-33
Vehicle Type | XT50QT
---|---
Space for Rear Registration Plate
Drawing No. | XT50QT-35
Vehicle Type | XT50QT
Mirror Position
Drawing No. | XT50QT-36
SECTION A–A
1J25

Material of Main Beams:
Steel Pipe 20-Ø48 x 3.0

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>XT50QT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chassis</td>
<td></td>
</tr>
<tr>
<td>Drawing No.</td>
<td>XT50QT-40</td>
</tr>
<tr>
<td>No.</td>
<td>Approval No.</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
</tr>
<tr>
<td>1</td>
<td>010062</td>
</tr>
<tr>
<td></td>
<td>11 E4</td>
</tr>
<tr>
<td></td>
<td>50R-0010062</td>
</tr>
<tr>
<td></td>
<td>IA E13</td>
</tr>
<tr>
<td></td>
<td>020279</td>
</tr>
<tr>
<td></td>
<td>023578</td>
</tr>
<tr>
<td></td>
<td>11 12 E11</td>
</tr>
</tbody>
</table>

Vehicle Type | XT500T
List of lighting and light-signalling devices
Drawing No. | XT500T-41
ANTI-TEMPERING PLATE

TRADE NAME: MARSHIN
VEHICLE CATEGORY: A

1. 50212
2. WABRO
3. E0308
4. E0601
5. A
6. 139QMB
7. ______
8. 50211
9. φ 75
10. φ 150
11. 50222
12. E0307

Vehicle Type: XT500T
Anti-tempering plate(2)
Drawing No.: XT500T-42
Vehicle Type | XT50QT
---|---
Front Brake lining | 
Drawing No. | XT50QT-45
TECHNICAL 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

2002/24/EC
including all amendments until

---

Previously granted

EUC - system type approval ; ---
0. General information

0.1 Make (trade name of the manufacturer) : Xintian, Kinroad, Marshin

0.2 Type : X150QT

Variants : n.a.

Versions : n.a.

0.3 Category of vehicle : moped (1.1e)

0.4 Name and address of the manufacturer

Jiangsu Kinroad Xintian Motorcycle Co., Ltd
Outang Town, Wuxi City,
214153, Jiangsu Province,
P.R. China

0.5 Order issued by

(if different from manufacturer) : ---

0.6 No. of information folder : 2002/24-XT50QT-00

date of issue : March 08, 2004

date of last amendment : ---

1. Test object(s)

1.1 Test object(s)

type : X150QT

version : n.a.

variant : ---

1.2 Remarks : test object's tyres:

3.00-10

3.00-10
2. Test minutes

2.1 Test facilities
- The test equipment used was in compliance with the requirements of the directive.

2.2 Test results
- see Appendices

2.3 General test information

- Test object / test vehicle received: ____________
- Version: n.a.

2.4 Test date
- April 21, 2004 to May 08, 2004

2.5 Test site
- Jiangsu Kinroad Xintian Motorcycle Co., Ltd.
  Ouantang Town, Wuxi City,
  214153, Jiangsu Province,
  P.R. China

2.6 Remark
- The results of the test refer exclusively to the object(s) mentioned under point 1.1 of this report.

3. Remark concerning tested object(s)
- All versions of the vehicle type as stated in the information document are covered with the tested vehicle version(s) and test object(s) respectively.
4. Appendices

0  List of modifications
1  Test minutes of frame directive: 7 Pages
2  Test minutes braking system: 4 Pages
3  Test minutes max. engine power: 4 Pages and torque
4  Test minutes anti-pollution devices: 3 Pages
5  Test minutes anti-tampering measures: 2 Pages
6  Test minutes noise-measuring: 3 Pages

Information folder

5. Statement of conformity

The information folder and the type described therein comply with the requirements in the above mentioned directive.

The test laboratory is accredited for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands: Certification No: RDW-99050014 00.

The technical report comprises the pages 1 to 28 (including appendices 0 to 6) and shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, May 10, 2004

MM

Dipl.-Ing. M. Markus
List of modifications

 Correction of : ---
 Modification of : ---
 Addition of : ---
 Deletion of : ---
0. GENERAL

0.1. Maker(s) (trade name of the manufacturer): Xintian, Kinroad, Marshin

0.2. Type: X150QT

0.2.1 Commercial name(s): Fresh Wind

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

0.3.1 Location of that marking: Brand id in two sides of moped, type id in front cover of moped

0.4. Category: moped (L,Lc)

0.5. Name and address of the vehicle manufacturer:

Jiangsu Kinroad Xintian Motorcycle Co., Ltd
Outang Town, Wuxi City,
214153, Jiangsu Province,
P.R. China

0.5.1 Name(s) and address(es) of assembly plant(s):

Jiangsu Kinroad Xintian Motorcycle Co., Ltd
Outang Town, Wuxi City,
214153, Jiangsu Province,
P.R. China

0.6. Name and address of manufacturer's authorized representative:

Chongqing Marshin Motorbike V1 Co., Ltd
16-302, Naping New Street, Xanan district,
Chongqing city, 401147,
P.R. China
1. VEHICLE COMPONENTS AND CHARACTERISTICS

4. Name and address of manufacturer's authorized representative : not applicable

5. Category of vehicle : moped (1.1e)

Vehicle equipped with pedals : not applicable

6. Number of wheels : 2

Position in case of 3 wheel vehicle : Symmetrical/asymmetrical

7. Outline drawing of frame : see drawing no. XT50QT-41

8. Manufacturer of engine : see Information Document 2002/24-XT50QT-00.3.0

9. Make and description of engine : see Information Document 2002/24-XT50QT-00.3.1

Type : 139QMB

10. Type of engine ignition : spark-ignition engine

11. Engine operating cycle : see Information Document 2002/24-XT50QT-00.3.2.1.1

12. Type of engine cooling : see Information Document 2002/24-XT50QT-00.3.2.7

13. Type of engine lubrication : see Information Document 2002/24-XT50QT-00.3.6

14. Number, arrangement and firing order of cylinders : see Information Document 2002/24-XT50QT-00.3.2.1.2

15. Bore, stroke and cylinder capacity or volume of combustion chamber : see Information Document 2002/24-XT50QT-00.3.2.1.2.1 3.2.1.3

16. Full diagram of induction system : see drawing no. XT50QT-1-1

17. Engine compression ratio : see Information Document 2002/24-XT50QT-00.3.2.1.4
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>18.</td>
<td>Maximum net power and maximum torque of engine</td>
<td>according to SD 95/1/EC amend. 2002/41/EC for test results see Appendix 3</td>
</tr>
<tr>
<td></td>
<td>Approval number</td>
<td>not applicable</td>
</tr>
<tr>
<td>19.</td>
<td>Anti-tampering measures for mopeds and motorcycles</td>
<td>according to SD 97/24/EC Chap. 7 for test results see Appendix 5</td>
</tr>
<tr>
<td></td>
<td>Approval number</td>
<td>not applicable</td>
</tr>
<tr>
<td>20.</td>
<td>Fuel tank</td>
<td>according to SD 97/24/EC Chap. 6</td>
</tr>
<tr>
<td></td>
<td>Conformity checks</td>
<td>requirements fulfilled</td>
</tr>
<tr>
<td></td>
<td>Approval number</td>
<td>not applicable</td>
</tr>
<tr>
<td>21.</td>
<td>Traction batteries</td>
<td>not applicable</td>
</tr>
<tr>
<td></td>
<td>Electric traction motor</td>
<td>not applicable</td>
</tr>
<tr>
<td>22.</td>
<td>Carburettor or other engine fuel supply</td>
<td>see Information Document 2002/24-XT50QT-00, 3.2.4.1</td>
</tr>
<tr>
<td>23.</td>
<td>Electrical system (nominal voltage)</td>
<td>see Information Document 2002/24-XT50QT-00, 3.2.5</td>
</tr>
<tr>
<td>24.</td>
<td>Generator (type and maximum output)</td>
<td>see Information Document 2002/24-XT50QT-00, 3.2.5.2</td>
</tr>
<tr>
<td>25.</td>
<td>Maximum design speed of the vehicle</td>
<td>according to SD 95/1/EC amend. 2002/41/EC, 45 km/h</td>
</tr>
<tr>
<td></td>
<td>Conformity checks</td>
<td>requirements fulfilled</td>
</tr>
<tr>
<td></td>
<td>Approval number</td>
<td>not applicable</td>
</tr>
<tr>
<td>26.</td>
<td>Masses and dimensions</td>
<td>according to SD 93/93/EC</td>
</tr>
<tr>
<td></td>
<td>Conformity checks</td>
<td>requirements fulfilled</td>
</tr>
<tr>
<td>Approval number</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>---------------</td>
<td></td>
</tr>
<tr>
<td>Mass of vehicle in running order</td>
<td>see Information Document 2002/24-XT50QT-00, 2.1</td>
<td></td>
</tr>
<tr>
<td>Distribution of that mass between the axles</td>
<td>see Information Document 2002/24-XT50QT-00, 2.1.1</td>
<td></td>
</tr>
<tr>
<td>Mass of vehicle in running order together with rider</td>
<td>see Information Document 2002/24-XT50QT-00, 2.2</td>
<td></td>
</tr>
<tr>
<td>Approval number</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Distribution of that mass between the axles</td>
<td>see Information Document 2002/24-XT50QT-00, 2.2.1</td>
<td></td>
</tr>
<tr>
<td>Maximum technically permissible mass declared by the manufacturer</td>
<td>see Information Document 2002/24-XT50QT-00, 2.3</td>
<td></td>
</tr>
<tr>
<td>Division of that mass between the axles</td>
<td>see Information Document 2002/24-XT50QT-00, 2.3.1</td>
<td></td>
</tr>
<tr>
<td>Maximum technically permissible mass on the axles</td>
<td>see Information Document 2002/24-XT50QT-00, 2.3.2</td>
<td></td>
</tr>
<tr>
<td>Vehicle length</td>
<td>1650 mm</td>
<td></td>
</tr>
<tr>
<td>Vehicle width</td>
<td>625 mm</td>
<td></td>
</tr>
<tr>
<td>Vehicle height</td>
<td>1050 mm</td>
<td></td>
</tr>
<tr>
<td>Wheel base</td>
<td>1210 mm</td>
<td></td>
</tr>
</tbody>
</table>

27. Coupling devices and their attachment | not applicable |

28. Anti-pollution devices | according to SD 97/24/EC Chap. 5 amend. 2002/51/EC for test results see Appendix 4 |

29. Tyres | according to SD 97/24/EC Chap. 1 see Information Document 2002/24-XT50QT-00, 5.2 |
Tyres of any tyre manufacturer may be fitted provided that they are of the same dimensions, together with approbation of EC/F-EC or 97/24/EC chapter 1 and of a load index of 42 (front tyre) / 42 (rear tyre) or more and a speed index of J (front type) / J (rear tyre) or more.

30. Transmission
   Automatic

31. Braking system
   Approval number
   : not applicable
   Approval number
   : not applicable

32. Installation of lighting and light-signalling devices
   Conformity checks
   : requirements fulfilled
   Approval number
   : not applicable

33. Lighting and light-signalling devices
   Approval number
   : not applicable
   Approval number acc. to 93/30/EC, annex II
   : not applicable
   Approval number acc. to 93/30/EC, annex I
   : see Information Document 2002/24-XT50QT-00, 9.5.5

34. Audible warning device
   Conformity checks
   : requirements fulfilled
   Approval number acc. to 93/30/EC, annex II
   : not applicable
   Approval number acc. to 93/30/EC, annex I
   : see Information Document 2002/24-XT50QT-00, 9.5.5

35. Position of mounting rear registration plate
   Conformity checks
   : requirements fulfilled
   Approval number
   : not applicable

36. Electromagnetic compatibility
   Approval number
   : according to SD 97/24/EC Chap. 8
   see Information Document 2002/24-XT50QT-00,
3.2.6.8

Conformity checks: requirements fulfilled
Approval number: not applicable

37. Sound level and exhaust system:
   Approval number: not applicable
   Make of exhaust system: see Information Document 2002/24-XT50QT-00, 3.2.9
   Type of exhaust system: 1 main exhaust silencer, interconnected pipe
   Sound level:
      stationary noise, dB(A) at rpm: 80 / 3750
      noise when in motion in dB(A): 69.5

38. Rear-view mirrors:
   Approval number (Arrangement): not applicable
   Approval number (Component): see Information Document 2002/24-XT50QT-00, B 1.1.2

39. External projections:
   Approval number: not applicable

40. Stand:
   Approval number: not applicable
41. Devices to prevent unauthorized use : according to SD 93/33/EEC amend. 1999/23/EC
   Conformity checks : requirements fulfilled
   Approval number : not applicable

42. Windows, windscreen wipers, windscreen washers for vehicle with bodywork : not applicable

43. Hand-hold for two-wheel vehicles : not applicable
   Conformity checks : not applicable
   Approval number : not applicable

44. Anchorage points for safety belts and safety belts for vehicle with bodywork : not applicable

45. Speedometer : according to SD 2000/74/EC
   see Information Document 2002/24-XT50QT-00, 4,7

46. Identification of controls, tell-tales and indicators : according to SD 93/29/EEC amend. 2000/74/EC,
   see Information Document 2002/24-XT50QT-00, 9,2
   requirements fulfilled
   Approval number : not applicable

47. Statutory inscriptions : according to SD 93/34/EEC amend. 1999/25/EC,
   see Information Document 2002/24-XT50QT-00, 9,3
   requirements fulfilled
   Approval number : not applicable
   Location of statutory plate : right side of rear framebody, metal sheet rivet-fixed
Test minutes braking system

0. Test condition

Test place: Tianjin Motorcycle Technical Center
No 92, Weijin Road, Tianjin 300072
P.R.China

1. Test facilities

The test equipment used was in compliance with the requirements of the directive.

2. Test objects

2.1 Type

Type: XT50QT

2.2 Technically permissible mass on axles

axle 1 [kg]: 57
axle 2 [kg]: 96

2.3 Load conditions of the vehicle during the test

<table>
<thead>
<tr>
<th></th>
<th>Unladen</th>
<th>Laden</th>
</tr>
</thead>
<tbody>
<tr>
<td>axle 1</td>
<td>57</td>
<td>57</td>
</tr>
<tr>
<td>axle 2</td>
<td>91</td>
<td>96</td>
</tr>
<tr>
<td>total</td>
<td>148</td>
<td>153</td>
</tr>
</tbody>
</table>

2.4 Number and arrangement of the axles: 2 axles
2.5 Brief description of the service braking device
   Front hand brake: hand lever, lining transfer, one front drum brake
   - Manufacturer of brake lining: Chongqing Zhenhua Brake Co., Ltd
   - Manufacturer of master cylinder: not applicable
   - Manufacturer of wheel cylinder: not applicable
   Rear foot brake: hand lever, lining transfer, one rear drum brake
   - Manufacturer of brake lining: Chongqing Zhenhua Brake Co., Ltd
   - Manufacturer of master cylinder: not applicable
   - Manufacturer of wheel cylinder: not applicable

2.6 Other devices (anti-lock, etc.): not applicable
3 Test results

3.1 Type-0 test, with engine disconnected

<table>
<thead>
<tr>
<th>Conditions</th>
<th>test speed [km/h]</th>
<th>measured performance [m/s²]</th>
<th>Measured force applied to control [N]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>unladen, dry brakes</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>service brake</td>
<td>40</td>
<td>3.49</td>
<td>57.8</td>
</tr>
<tr>
<td>secondary brake</td>
<td>40</td>
<td>4.07</td>
<td>98.0</td>
</tr>
<tr>
<td><strong>laden, dry brakes</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>service brake</td>
<td>40</td>
<td>3.48</td>
<td>83</td>
</tr>
<tr>
<td>secondary brake</td>
<td>40</td>
<td>3.86</td>
<td>102.4</td>
</tr>
<tr>
<td><strong>reference test for wet brake (laden)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>service brake, 0.5-1s</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>service brake, maximum</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>secondary brake, 0.5-1s</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>secondary brake, maximum</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td><strong>laden, wet brakes</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>service brake, 0.5-1s</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>service brake, maximum</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>secondary brake, 0.5-1s</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>secondary brake, maximum</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

3.2 Type-0 test, engine connected

| condition                       | imladen dry brakes both service braking devices applied
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>conditions</td>
<td>vmax. = 45 km/h</td>
</tr>
<tr>
<td>50% V_{max}</td>
<td>---</td>
</tr>
<tr>
<td>55% V_{max} (additional test)</td>
<td>---</td>
</tr>
<tr>
<td>80% V_{max} (max. 160 km/h)</td>
<td>---</td>
</tr>
</tbody>
</table>
3.3 Type-I test, (fade test)

- Condition: Laden, dry brakes
- Distance between the initiation of two consecutive stops: 1000 m
- Number of brakings: not applicable

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied force to the control to maintain a mean deceleration of 3 m/s² [N]</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Initial vehicle speed [km/h]</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Test speed [km/h]</th>
<th>Measured performance [m/s²]</th>
<th>Measured force applied to control [N]</th>
</tr>
</thead>
<tbody>
<tr>
<td>60-120 % of ref. Test</td>
<td>reference test service brake</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>type-I test service brake</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>reference secondary brake</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>type-I test secondary brake</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>
Test minutes max. engine power and torque

0. Test condition

Test place: Tianjin Motorcycle Technical Center
No 92, Weijin Road, Tianjin 300072
P.R. China

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

2. Test Vehicle(s):

2.1 Type: XT50QT
Version: n.a.
Variant: n.a.

2.2 Engine type / number: 139QMB / 04040050

3. Engine performance

3.1 Test conditions

3.1.1 Pressures measured at maximum power

3.1.2 Barometric: 102.1 kPa

3.1.3 Water vapour pressure: 0.48 kPa

3.1.4 Exhaust:
(to be measured when the original induction systems are not used)

3.1.5 Inlet depression at engine intake system (to be measured when the original induction systems are not used):

3.1.6 Temperatures measured at maximum power of the engine

Intake air: 299 K
Outlet of the inlet inter-cooler: ---
Cooling liquid

Engine cooling liquid outlet : ---

Reference point in case of air cooling : 498 K

Oil in the oil sump : 358 K

Fuel

Carburettor intake : 301 K

Fuel-consumption measuring device : 303 K

Exhaust gas, measured at the point adjacent to the outlet flange(s) of the exhaust manifolds : 934 K

3.1.7 Characteristics of the dynamometer

Make : Tianjin Keda Measurement & Control Technology Co., Ltd.

Type : Direct-Current MZDC-22

3.1.8 Fuel

For positive ignition engines operating on liquid fuel

Make : Haltlmann

Specification : Haltlmann High Octane Gasoline
Anti-knock additive (unleaded, etc.)

Type: unleaded
Content mg/litre: 0.75
Octane number:
RON No.: 95
MON No.: 85
Relative density:
at 15 °C: 0.750
at 4 °C: 0.753
Calorific value: 46,900 kJ/kg

3.1.9 Lubricant

Make: SHELL
Specifications: ---
SAE viscosity grade: 15W-40

3.1.10 Correction factor for mechanical efficiency of the transmission

Overall factor (n1*n2*n3*n4): 0.98
Gear wheel (n1): 0.98
Chain (n2): ---
Belt (n3): ---
Hydraulic coupling or converter (n4): ---
Detailed results of measurement

<table>
<thead>
<tr>
<th>Location of measuring point</th>
<th>the measurement has been carried out:</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) at the liquid cooling point</td>
<td></td>
</tr>
<tr>
<td>b) at the spark plug washer</td>
<td></td>
</tr>
<tr>
<td>c) elsewhere</td>
<td></td>
</tr>
</tbody>
</table>

Maximum net power, measured             : 2.03 kW at 7532 min⁻¹
Maximum net torque, measured             : 2.96 Nm at 4509 min⁻¹
Maximum net power, rated                 : 2.0 kW at 7500 min⁻¹
Maximum net torque, rated                : 3.0 Nm at 4500 min⁻¹
Test minutes anti-pollution devices

0. Test condition

Test place: Tianjin Motorcycle Technical Center
No 92, Weijin Road, Tianjin 300072
P.R. China

1. Test facilities

1.1 Equivalent inertia mass
- acc. to section 5.2
: 140 kg

1.2 Absorbed power Pa
- acc. to section 5.2
: 0.94 kW at 50 km/h

1.3 Method of setting according to
: Annex II, Appendix 1, point 5.1.3 of the directive.

2. Test Vehicle(s)

2.1 Type
: XT50QT

2.2 Identification number
: LBXTABPA34X000198

2.3 Masses

2.3.1 Mass of the vehicle (with bodywork) in running order
: 72 kg

2.3.2 Reference mass (mass in running order + 75kg)
: 147 kg

2.3.3 Maximum mass of vehicle
: 152 kg

2.4 Gear box

2.4.1 Transmission type
: automatic

2.4.2 Number of gear ratios
: n.a.
2.4.3. Gear ratio

<table>
<thead>
<tr>
<th>Type</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>(primary)</td>
<td>0.8-2.4</td>
</tr>
<tr>
<td>First gear</td>
<td>---</td>
</tr>
<tr>
<td>Second gear</td>
<td>---</td>
</tr>
<tr>
<td>Third gear</td>
<td>---</td>
</tr>
<tr>
<td>Fourth gear</td>
<td>---</td>
</tr>
<tr>
<td>Final drive ratio</td>
<td>11.05</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tyres</th>
<th>front</th>
<th>rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>3.00-10</td>
<td>3.00-10</td>
</tr>
<tr>
<td>Dynamic rolling circumference</td>
<td>1240 mm</td>
<td>1240 mm</td>
</tr>
</tbody>
</table>

2.4.4. Check of performances referred to in annex II, appendix I, paragraph 3.1.5, to this regulation: not applicable

2.5. Tire pressure of the driven wheel on the dynamometer:

<table>
<thead>
<tr>
<th></th>
<th>front</th>
<th>rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>175 kPa</td>
<td>200 kPa</td>
</tr>
</tbody>
</table>

3. Type IV test: (verifying the average emission of gaseous pollutants in a congested urban area)

<table>
<thead>
<tr>
<th></th>
<th>CO [g/km]</th>
<th>NOx + HC [g/km]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st measured value*</td>
<td>0.894</td>
<td>0.156</td>
</tr>
<tr>
<td>2nd measured*</td>
<td>0.733</td>
<td>0.107</td>
</tr>
<tr>
<td>3rd measured*</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Mean value*</td>
<td>0.769</td>
<td>0.132</td>
</tr>
<tr>
<td>Test result*</td>
<td>0.769</td>
<td>0.132</td>
</tr>
<tr>
<td>Limit value</td>
<td>1.0</td>
<td>1.2</td>
</tr>
</tbody>
</table>

* rounded value
Type II test: (verifying the emission of carbon monoxide at idling speed)

<table>
<thead>
<tr>
<th>CO err.</th>
<th>0.039 g/min</th>
</tr>
</thead>
<tbody>
<tr>
<td>idling speed</td>
<td>1560 U/min</td>
</tr>
<tr>
<td>limit value</td>
<td>-</td>
</tr>
</tbody>
</table>

5. Reference fuel No.: CEC 08-A-88
Test minutes of anti-tampering measures

<table>
<thead>
<tr>
<th>0. Test condition</th>
<th>1. Test facilities</th>
<th>2.2. Identification number</th>
<th>2.3. Maximum design speed [km/h]</th>
<th>2.4. Category</th>
<th>3. Engine</th>
<th>3.1. Manufacturer</th>
<th>3.2. Type / Engine number</th>
<th>3.3. Model</th>
<th>3.4. Rated max. power (according to ...)</th>
<th>4. Transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test site</td>
<td>: Jiangsu Kinroad Xintian Motorcycle Co., Ltd</td>
<td>: XT50QT</td>
<td>: 1BXTABPA34X000198</td>
<td>: 45 km/h</td>
<td>: moped (L1e)</td>
<td>: Wuxi Aiqike Engine Factory</td>
<td>: 1390MB / 04045601</td>
<td>: four-stroke / two-stroke</td>
<td>: 2.0 kW according to 95/1/EC</td>
<td>: automatic</td>
</tr>
</tbody>
</table>
5. General requirements: The vehicle type fulfills the general requirements.

5.1. Following components of the same manufacturer can be interchanged:

- Two-stroke engine: none
- Four-stroke engine: cylinder head, camshaft, cylinder/piston combination, carburetor, intake pipe, exhaust system

5.1.1. For moped: The change of one, some or all parts did not cause increase of max. speed by more than 5km/h.

5.1.2. For motorcycle: The change of one, some or all parts did not cause increase of max. engine power by more than 10%.

5.2. Manufacturer’s declaration that the modification of ignition and/or fuel system does not increase:

- For moped: the max. vehicle speed by more than 5 km/h is attached to the information folder 2002/24-XT50QT-00.
- For motorcycle: the max. engine power by more than 10% is attached to the information folder.

5.3. Removing of the air filter has no effect on max. speed of more than 10% (only for mopeds).

5.4. The vehicle is equipped with a restricted area in the inlet conduit pipe/cylinder head. The design of this restricted area fulfills the requirements of the directive (only for motorcycle).

5.5. Specific requirements for categories A & B: The vehicle type fulfills the specific requirements. All required vehicle parts are marked with a clear identification.

6. Location of Anti-tampering control plate: sticker on the outside of the center cover refer to drawing no. XT50QT-39, XT50QT-42, XT50QT-43.
Test minutes noise-measuring

0. Test condition
   Test place: Tianjin Motorcycle Technical Center
               No 92, Wujin Road, Tianjin 300072
               P.R. China

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

2. Test Vehicle(s)
   2.1 Type
       : XT50QT

2.2 Identification number
   : LBXTABPA34X000198

2. Engine
   2.1 Manufacturer
       : Wuxi Aiqike Engine Factory

2.2 Type
   : 139QMB

2.3 Model
   : four-stroke/two-stroke

2.4 Rated max. power
   (according to...)
   : 2.0 kW at 7500 min⁻¹ (95°F/C)

2.5 Maximum design speed [km/h]
   : 45 km/h

3. Transmission
   : automatic transmission
4 Equipment

4.1 Exhaust silencer
Manufacturer or authorised representative: Jiangsu Kinroad Xintian Motorcycle Co., Ltd
Model: expansion, reflection
ECE type-approval number: 
Type: 50211
In acc. with drawing no.: XT50QT-17

4.2 Intake silencer
Manufacturer or authorised representative: Jiangsu Kinroad Xintian Motorcycle Co., Ltd
Model: air filter, dry
ECE type-approval number: not applicable
Type: case
- element
- cover
- inlet duct
In acc. with drawing no.: XT50QT-15

4.3 Tyre size
- Front: 3.00-10
- Rear: 3.00-10
5 Measurement

5.1 Sound level of motorcycle in motion

5.1.1 Correction factor : not applicable

<table>
<thead>
<tr>
<th>version 1</th>
<th>Measurement result</th>
<th>approach speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>left-hand side dB(A)</td>
<td>right-hand side dB(A)</td>
</tr>
<tr>
<td>1st</td>
<td>68</td>
<td>71</td>
</tr>
<tr>
<td>2nd</td>
<td>69</td>
<td>70</td>
</tr>
<tr>
<td>3rd</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test result</td>
<td>69.5 dB(A)</td>
<td></td>
</tr>
</tbody>
</table>

5.2 Sound level of stationary motorcycle

<table>
<thead>
<tr>
<th>version 1</th>
<th>left dB(A)4</th>
<th>right dB(A)4</th>
<th>engine speed min⁻¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td></td>
<td>80</td>
<td>3750</td>
</tr>
<tr>
<td>2nd</td>
<td></td>
<td>78</td>
<td>3750</td>
</tr>
<tr>
<td>3rd</td>
<td></td>
<td>78</td>
<td>3750</td>
</tr>
<tr>
<td>Test result</td>
<td>80 dB(A)4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) measurement values are given rounded, with the 1d(A) deduction in acc. with provisions of Items 2.1.5.2 and 2.1.5.3. of Annex I
2) delete where inapplicable
3) TC indicates that the measurements in question were conducted in accordance with the Directive
4) measurement values are given rounded in acc. with the provisions of section 5.4.2 of Annex I

8 Vehicle submitted for test on : April 21, 2004 to May 08, 2004

Date of report : May 10, 2004
EEC type-approval certificate

Communication concerning: TYPE-APPROVAL
EXTENSION OF TYPE-APPROVAL
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 2003/77/EC.

Type-approval number: e4*2002/24*0308*01

Reason for extension: modified tyre size, maximum load mass and additional of disc brake

0. GENERAL
0.1. Make(s) (trade name of the manufacturer): Xintian, Kinroad
0.2. Type: XT50QT
      version 1: XT50QT-00
      version 2: XT50QT-01
0.2.1. Commercial name(s): Fresh Wind
0.3. Means of identification of type, if marked on the vehicle: sticker
0.3.1. Location of that marking: Brand id in two sides of mopeds, type id in two sides of mopeds
0.4. Category (2): moped (L1e)
0.5. Name and address of the vehicle manufacturer: Jiangsu Kinroad Xintian Motorcycle Co., Ltd
      Outang Town, Wuxi City, 214133, Jiangsu Province, P.R. China
0.5.1. Name(s) and address(es) of assembly plant(s): Jiangsu Kinroad Xintian Motorcycle Co., Ltd
       Outang Town, Wuxi City, 214133, Jiangsu Province, P.R. China
Type-approval number: e4*2002/24*0309*01

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, have (have) been submitted as prototypet(s) of the vehicle type and that the attached test results are applicable to the vehicle type.

The vehicle type meets does not meet (*) 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 ( ).

Zoetermeer

(Place)

J.C.M. Hoes

(Signature)

29-DEC-2004

(Date)

Attachments: Information document, Parts 1 and 2.

Test results.

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.
TEST RESULTS

1. Results of the sound level tests

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:
version 1: XT50QT-00
Variant/version
version 2: XT50QT-01
Moving dB(A) 70
Stationary dB(A) 80
at (min⁻¹) 3750

2. Results of the exhaust emission tests

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:
version 1: XT50QI-00
Variant/version
version 2: XT50QI-01

2.1. Type I

CO (g/km) 0.740
HC (g/km) \(^{(1)}\)
NOx (g/km) \(^{(1)}\)
HC + NOx (g/km) \(^{(2)}\) 0.281

2.2. Type II

CO (g/min) \(^{(2)}\) 0.19
HC (g/min) \(^{(2)}\) 0.015
CO (% vol) \(^{(1)}\)

3. Compression ignition engine

Variant/version ...
Corrected value of absorption coefficient (m²/l) ...

\(^{(1)}\) 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).
Document information about two-wheel moped
Reference number of information document: 2002/24-XT50QT-01
Application date: Oct. 15, 2004

LIST OF CONTENT

I. 2002/24 INFORMATION DOCUMENT – GENERAL INFORMATION

II. CONTENT OF DRAWINGS

<table>
<thead>
<tr>
<th>Drawing no.</th>
<th>Drawing subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>XT50QT-01A</td>
<td>Front brake assy(1)</td>
</tr>
<tr>
<td>XT50QT-02A</td>
<td>Front brake system(2)</td>
</tr>
<tr>
<td>XT50QT-03A</td>
<td>Location of the Statutory inscription and the Chassis Number</td>
</tr>
<tr>
<td>XT50QT-04A</td>
<td>Manufacture's Data Plate</td>
</tr>
<tr>
<td>XT50QT-05A</td>
<td>Structure of Vehicle Identification Number</td>
</tr>
<tr>
<td>XT50QT-06A</td>
<td>Hand Hold</td>
</tr>
</tbody>
</table>

III. STATEMENT CONCERNING ANTI TAMPERING REQUIREMENTS AND ANTI THEFT DEVICE (IF APPLICABLE)
2002/24/EC ANNEX II
INFORMATION DOCUMENT

PART 1
A. INFORMATION RELATING JOINTLY TO MOPEDS, MOTOR CYCLES, MOTOR TRICYCLES AND QUADRICYCLES

0. General

0.1. Make

0.2. Type (state any possible variants and versions: each variant and each version must be identified by a code consisting of numbers or a combination of letters and number/s)

0.2.1. Commercial name (where applicable)

0.3. Means of type identification if stated on vehicle

0.3.1. Location of that means of identification

0.4. Vehicle category

0.5. Name and address of manufacturer

0.5.1. Name(s) and address(es) of assembly plants

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

0.7. Location and method of affixing statutory inscriptions to the chassis

0.7.1. The serial numbering of the type begins with No

0.8. Position and method of affixing the component type-approval mark for components and separate technical units

1. General arrangement of the vehicle
1.1. Photos and/or drawings of a typical vehicle: See information folder no.2002/24-XT50QT-00
1.2. Dimensional drawing of the complete vehicle: See information folder no.2002/24-XT50QT-00
1.2.1. Wheelbase: 1210mm
1.3. Number of axles and wheels (where appropriate, number of crawler tracks or belts): 2 axles / 2 wheels
1.4. Position and arrangement of engine: In the rear of the main frame, cylinder horizontal longitude oriented
1.5. Number of seating positions: 2
1.6. Hand of drive - left or right (1): Right-hand and left-hand
1.6.1. Vehicle is equipped to be driven in right-hand or left-hand rule of the road traffic (1):

2. Masses (in kg) (2)
2.0. Unladen mass (2) (5): 68kg ± 3 kg
2.1. Mass of vehicle in running order (3): 72kg ± 3 kg
2.1.1. Distribution of that mass between the axles: Front: 29kg
2.2. Mass of vehicle in running order, together with rider: 147kg
2.2.1. Distribution of that mass between the axles: Front: 57kg
2.3. Maximum technically permissible mass declared by the manufacturer: 222 kg
2.3.1. Division of that mass between the axles: Front: 83 kg
2.3.2. Maximum technically permissible mass on each of the axles: Rear: 139 kg
2.4. Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer: 21%
2.5. Maximum towable mass (where applicable): n.a.
2.6. Maximum mass of the combination: n.a.

3. Engine (5)

4. Transmission (5)

5. Suspension
5.1. Drawing of suspension arrangement
5.1.1. Brief description of the electrical and/or
5.2. Tyres: (category, dimensions and maximum loading) and rims (standard type)
   - front & rear: 3.50-10, 51 J
   - rim: 2.1 X 10
   - front: 1325mm
   - rear: 1325mm
   - front: 175kPa
   - rear: 200kPa

5.2.2. Tyre pressures recommended by the manufacturer

5.2.3. Tyre/wheel combinations
   - n.a.

5.2.4. Minimum-speed category symbol compatible with the theoretical maximum design speed of the vehicle
   - B

5.2.5. Minimum load-capacity index with the maximum load on each tyre
   - front: 22
   - rear: 40
   - normal

5.2.6. Categories of use compatible for the vehicle

   - See information folder no. 2002/24-XT50QT-00

6. Steering

7. Braking

7.1. Diagram of braking devices

7.2. Front disc / drum brake
   - Front: Version 1: drum
     - Version 2: disc
   - Rear: drum brake
     - Front: drum: Chongqing Zhenhua Brake Co., Ltd
     - Rear: Chongqing Zhenhua Brake Co., Ltd

7.2.2. Type(s)

7.3. Drawing of parts of the brake system

7.3.1. Shoes and/or pads

7.3.2. Linings and/or pads (Indicate make, grade of material or identification mark)

7.3.3. Brake levers and/or pedals

   - Version 1: See information folder no. 2002/24-XT50QT-00
   - Version 2: Refer to drawing No. XT50QT-02A

   - Version 1: See information folder no. 2002/24-XT50QT-00
   - Version 2: Refer to drawing No. XT50QT-02A

   - Front: Brake level
     - Version 1: See information folder no. 2002/24-XT50QT-00
     - Version 2: Refer to drawing No. XT50QT-02A

   - Rear: Brake level
7.3.4. Hydraulic reservoirs (where applicable) : Refer to drawing No. XT50QT-02A
7.4. Other devices (where applicable) : n.a.
7.5. drawing and description : n.a.
7. Brief description of the electrical and/or electronic components used in the braking system : n.a.
8. Lighting and light-signalling devices : See information folder no. 2002/24-XT50QT-00
9. Equipment : 
9.1. Coupling devices (where applicable) : 
9.1.1. Type (hook/ring/other) [ ] : n.a.
9.1.2. Photograph and/or drawings showing the position and the construction of the coupling devices : n.a.
9.2. Arrangement and identification of controls, tell-tales and indicators : See information folder no. 2002/24-XT50QT-00
9.3. Statutory inscriptions : 
9.3.1. Photographs and/or drawings showing the location of the statutory inscriptions and the chassis number : Refer to drawing No. XT50QT-03A
9.3.2. Photographs and/or drawings showing the official part of the inscription (with statement of dimensions) : Refer to drawing No. XT50QT-04A
9.3.3. Photographs and/or drawings of the chassis number (with statement of dimensions) : Refer to drawing No. XT50QT-03A
9.4. Devices(s) to protect against unauthorised use : See information folder no. 2002/24-XT50QT-00
9.5. Audible warning device(s) : See information folder no. 2002/24-XT50QT-00
9.6. Location of rear registration plate (indicate variants where necessary; drawings may be used as appropriate) : See information folder no. 2002/24-XT50QT-00
1. **Equipment**

1.1. Rear-view mirror(s) (please provide the following information for each rear-view mirror) : See information folder no. 2002/24-XT50QT-00

1.2. Stand : See information folder no. 2002/24-XT50QT-00

1.3. Attachments for motorcycle sidecars (where applicable) : n.a.

1.4. Hand-hold for a passenger : n.a.

1.4.1. Type (strap and/or handle) : handhold

1.4.2. Photographs and/or drawings showing the location : Refer to drawing No. XT50QT-06A

1.5. For mopeds fitted with pedals and, if Directive 97/24/EC, Chapter 3, Annex I, point 3.5 applies, description of the measures taken in order to ensure safety : n.a.

1.6. Design and position of the label referred to in Directive 97/24/EC, Chapter 7 : See information folder no. 2002/24-XT50QT-00
### PART 2 SEPARATE DIRECTIVE APPROVAL NUMBERS

The following information shall be supplied on the vehicle to be type approved with regard to existing system, separate technical unit or component approvals:

<table>
<thead>
<tr>
<th>Heading No</th>
<th>Separate Directive No</th>
<th>Subject</th>
<th>Approval No(1)</th>
<th>Extension date</th>
<th>Variants and versions covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>95/1/EC</td>
<td>Maximum torque and maximum net power of engine</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>97/24/EC (C7)</td>
<td>Anti-tampering measures for mopeds and motorcycles</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>97/24/EC (C5)</td>
<td>Fuel tank</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>96/1/EC</td>
<td>Maximum design speed of vehicle</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>93/33/EEC</td>
<td>Masses and dimensions</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>97/24/EC (C10)</td>
<td>Trailer coupling devices</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>97/24/EC (C5)</td>
<td>Anti-air pollution measures</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>97/24/EC (C1)</td>
<td>Tyres</td>
<td>Acc to ECE R75 refer to information part 1</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>93/14/EEC</td>
<td>Braking system</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>93/92/EEC</td>
<td>Installation of lighting and light-signalling devices on the vehicle</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>97/24/EC (C2)</td>
<td>Lighting and light-signalling devices</td>
<td>Refer to Information part 1</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>93/30/EEC</td>
<td>Audible warning device</td>
<td>Refer to Information part 1</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>93/94/EC</td>
<td>Position for the mounting of rear registration plate</td>
<td>Refer to Information part 1</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>97/24/EC (C8)</td>
<td>Electromagnetic compatibility</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>97/24/EC (C9)</td>
<td>Sound level and exhaust system</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Directive</td>
<td>Description</td>
<td>Refer to Information part I</td>
<td>Code</td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>-----------</td>
<td>-------------</td>
<td>-----------------------------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>97/24/EC (C4)</td>
<td>Rear-view mirror(s)</td>
<td>Refer to Information part I</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>97/24/EC (C3)</td>
<td>External projections</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>93/11/EEC</td>
<td>Stand (except in the case of vehicles having three or more wheels)</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>93/33/EEC</td>
<td>Devices to prevent unauthorised use of the vehicle</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>97/24/EC (12)</td>
<td>Windows, windscreen wipers, windscreen washers, and so on</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>93/32/EEC</td>
<td>Passenger hand-hold for two-wheel vehicles</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>97/24/EEC (C11)</td>
<td>Anchorage points for safety belts and safety belts</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>2000/7/EC</td>
<td>Speedometer</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>93/29/EEC</td>
<td>Identification of controls, tell-tales and indicators</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>93/34/EEC</td>
<td>Statutory inscriptions</td>
<td>N.A.</td>
<td>--</td>
<td></td>
</tr>
</tbody>
</table>
VIN NUMBER: 4LEXTCP101X000001
TEXT HEIGHT: 7mm
TEXT DEPTH: 0.3mm

STATUTORY INSCRIPTION

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>XT50QT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location Of The Statutory Inscription And The Chassis Number</td>
<td></td>
</tr>
<tr>
<td>Drawing No.</td>
<td>XT50QT-03A</td>
</tr>
</tbody>
</table>
JIANGSU KINROAD XINTIAN MOTORCYCLE CO., LTD

Dutang town, Wuxi city, 214153
Jiangsu province, P.R. China

Vehicle Type: XT50QT
Manufacturer's data plate
Drawing No.: XT50QT-04A

e4 *2002/24*0309
*LBXTCBP014X000001*
80dB(A)-3750min⁻¹
To whom it may concern.

Acc. to 97/24/EC chapter 7, annex, no. 2.2.
We herewith declare, that modifications of the following items will not increase the vehicle's maximum speed more than 5km/h.
- Ignition (advance etc.)
- Fuel feed system
- Air intake filter

Acc. to 97/24/EC chapter 7, annex, no. 2.4.
We here with declare, that removing the air filter must not have the effect of increasing a moped's maximum design speed by more than 10%.

Acc. to 97/24/EC chapter 7, annex, no. 3.1.
We herewith declare that the seal between the following engine parts does not exceed their limitations in compliance to the directive

<table>
<thead>
<tr>
<th>seal between</th>
<th>thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>cylinder head and cylinder</td>
<td>&lt; 1.3 mm</td>
</tr>
</tbody>
</table>

Acc. to 93/33/EC annex 1, no. 3.6.
The vehicle's key locking system incorporates more than 1000 different combinations.

Gu Jianxin
Gu Jianxin / general manager

Jiangsu Kinroad Xintian Motorcycle Co., Ltd
A CERTIFICATE OF CONFORMITY ACCOMPANYING EACH VEHICLE IN THE SERIES OF THE TYPE WHICH HAS BEEN APPROVED

EC CERTIFICATE OF CONFORMITY

Side 1

The undersigned: Mr. Gujianxin

Hereby certifies that the following vehicle:

0.1 Make: XinTian - Kinroad

0.2 Type: XT500J

0.2.1 Commercial names (where appropriate): Freshwind

0.4 Vehicle category:

0.4.1 Vehicle category according to Directive 97/24/EC, Chapter 7 (if applicable): A

0.5 Name and address of the manufacturer:

Jiangsu Kinroad Xintian motorcycle Co., Ltd
Outang Town, Wuxi City, 214153, Jiangsu Province, P.R.China

0.6 Location of the statutory plates:

Vehicle identification number: 1BYTABA*******

0.7 Location of the vehicle identification number on the chassis:

R: x320, y: 5, z: 460

Conforms in all respects to the type described in EC type-approval:

- EC type-approval number: 14*2062/24*0509*01

- dated: MMMM DD YYYY

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

Jiangsu, P.R.China

Gu Jianxin

(signature)

General Manager

RDW
Additional information

1. Number of axles: 2 and wheels: 2
2. Wheel base: 1210 mm
3. Length: 1650 mm
4. Width: 625 mm
5. Height: 1050 mm
6. Mass of the vehicle (with bodywork) in running order: 72 kg
7. Unladen mass of the vehicle: 68 kg
8. Technically permissible maximum taken mass: 222 kg
9. Distribution of this mass among the axles:
   1. 83 kg
   2. 139 kg
10. Technically permissible mass on each axle:
    1. 85 kg
    2. 138 kg
11. Maximum mass of trailer:
    (braked) kg (unbraked) Kg
12. Maximum vertical load at the coupling point for a trailer: Kg
14. Engine type as recorded on the engine: 138QM8
15. Engine number: 04056789
16. Working principle: Electric spark ignition compression ignition, four-stroke
17. Number and arrangement of cylinders: One, S
18. Cylinder capacity: 49 cm³
19. Fuel: p
20. Maximum net power or maximum continuous rated power as applicable:
    2.0 kW at 7500 min⁻¹
21. Ratio maximum net power or maximum continuous rated power mass of the vehicle in running order:
    0.028 (kW kg)
22. Gear ratios: minimum transmission ratio 9.52 maximum transmission ratio 26.52
23. Tyre size designation:
    Axle 1: 3.50-10
    Axle 2: 3.50-10
24. Body position:
    1
25. Number and configuration of doors: 1
26. Number and position of seats: 1: 1C
27. Approval mark of coupling device, if fitted: not applicable
44. Maximum speed: 45km/h
45. Sound level (\('\) dB(A) at engine speed:
    | Stationary: | 80 dB(A) |
    | Driveway:   | 70 dB(A) |
46. Exhaust emissions (\('\) g/km)
    | Type I test: | CO: 0.740 g/km | HC: g/km |
    |              | NOx: g/km | HCl NOx: 0.281 g/km |
    | Type II test: | CO: 0.19 g/km | HC: 0.015 g/km |
    for motorcycles and tricycles: CO: ...\% vol

Visible air pollution caused by an engine with compression ignition:
- corrected value of absorption coefficient: \( m^2 \)

47. Fiscal power or national code number (\( m^3 \))
    | Italy : | France : |
    | Belgium : | Germany : |
    | Denmark : | Netherlands : |
    | United Kingdom : | Ireland : |
    | Austria : | Sweden : |
    | Czech Republic : | Estonia : |
    | Latvia : | Lithuania : |
    | Malta : | Poland : |
    | Slovakia : |
48. Remarks: N.A.
49. Exemptions: N.A.
Statement Concerning Authority Of Signature On COC Paper

We, Jiangsu Kinroad Xintian Motorcycle Co., Ltd., declare that the undersigned, Mr. Gu Jianxin, the General Manager of our company, will be the authorized person to sign the COC paper of the motorcycle type: XT50QT

Specification of signature of COC:

[Signature]
Gu Jianxin

Mr. Gu Jianxin

Date: October 15, 2004