



e9*2002/24*0216*00

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CERTIFICADO DE HOMOLOGACIÓN DE TIPO CE DE VEHÍCULOS DE MOTOR DE DOS O TRES
RUEDAS SEGÚN LA DIRECTIVA 2002/24/CE MODIFICADA HASTA LA 2005/30/CE

*EC TYPE-APPROVAL CERTIFICATE FOR TWO OR THREE-WHEELED MOTOR
VEHICLES FOLLOWING DIRECTIVE 2002/24/EC AS LAST AMENDED BY 2005/30/EC*

Comunicación sobre / *Communication concerning:*

- concesión de la homologación ⁽¹⁾ / *type-approval granted* ⁽¹⁾
- ~~extensión de la homologación ⁽¹⁾ / *extension of type-approval* ⁽¹⁾~~
- ~~denegación de la homologación ⁽¹⁾ / *refusal of type-approval* ⁽¹⁾~~
- ~~retirada de homologación ⁽¹⁾ / *withdrawal of type-approval* ⁽¹⁾~~

de un tipo de vehículo en relación con la Directiva 2002/24/CE modificada hasta la 2005/30/CE / *of a type of vehicle with regard to Directive 2002/24/EC as last amended by 2005/30/EC*

Informe nº B0705050 del servicio técnico IDIADA con fecha 28.06.2007
Report No. B0705050 by technical service IDIADA date 28.06.2007

Número de homologación / *Type-approval No.*: e9*2002/24*0216*00

Motivos de la extensión / *Reason for extension*: -----

0. GENERALIDADES

- 0.1. Marca(s) (razón social del fabricante) / *Make(s) (trade name of the manufacturer)*: JMSTAR, JONWAY, SHENKE, HUIBANG
- 0.2. Tipo / *Type*: DK
 - 0.2.1. Denominación(es) comercial(es) / *Commercial name(s)*: ---
- 0.3. Medios de identificación del tipo, si están marcados en el vehículo / *Means of identification of type, if marked on the vehicle*: Marked in the fix part of VIN: LJ4DK
 - 0.3.1. Emplazamiento de estas marcas / *Location of that marking*: Marked on the right-hand side of the frame and on the manufacturer's plate
- 0.4. Categoría ⁽²⁾ / *Category* ⁽²⁾: L1e
- 0.5. Nombre y dirección del fabricante del vehículo / *Name and address of the vehicle manufacturer*:
SHANGHAI JMSTAR MOTORCYCLE CO., LTD.
Fengjing industry area, Jinshan district, Shanghai, China
201501



⁽¹⁾ Táchese lo que no proceda / *Delete where not applicable*

⁽²⁾ De conformidad con la clasificación establecida en el artículo 1 / *According to the classification introduced in Article 1*



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Certificado de homologación / *Type-approval certificate*

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0.5.1. Nombre y dirección de la(s) planta(s) de montaje / *Name(s) and address(es) of assembly plants:*
SHANGHAI JMSTAR MOTORCYCLE CO., LTD.
Fengjing industry area, Jinshan district, Shanghai, China
201501

El abajo firmante certifica que la descripción del fabricante que figura en la ficha adjunta del tipo de vehículo que se acaba de describir, del que el organismo expedidor de la homologación ha seleccionado una o varias unidades representativas, que ha(n) sido presentada(s) como prototipo de vehículo, es exacta y que los resultados de los ensayos adjuntos son aplicables al tipo de vehículo. / *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 of the several representative samples, selected by the component 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.*

El tipo de vehículo cumple/~~no cumple~~ ⁽¹⁾ los requisitos técnicos de las correspondientes Directivas específicas, según su última modificación, que figuran en el cuadro del anexo I de la Directiva 2002/24/CE. / *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.*

Se concede/~~deniega/retira~~ la homologación ⁽¹⁾ / *The approval is granted/~~refused/withdrawn~~ ⁽¹⁾*

Lugar / *Place*: Madrid

Fecha / *Date*: 29.06.2007

Firma / *Signature*:



EL SUBDIRECTOR GENERAL DE CALIDAD Y
SEGURIDAD INDUSTRIAL
Resolución P.D. 28-06-2004

Fdo.: Antonio Muñoz Muñoz

Se adjuntan / *Attachments*: Ficha de características, partes 1 y 2 (anexo II) / *Information document, Parts 1 and 2 (Annex II)*

Resultados de los ensayos (anexo VII) / *Tests results (Annex VII)*

Nombre de las personas autorizadas a firmar los certificados de conformidad, muestras de sus firmas e indicación del cargo en la empresa. / *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.*

Un modelo de certificado de conformidad / *A model of certificate of conformity*

⁽¹⁾ Táchese lo que no proceda / *Delete where not applicable*



**RESULTADOS DE ENSAYOS (ANEXO VII) /
TEST RESULTS (ANNEX VII)**

1. Resultado de los ensayos sobre nivel sonoro / Results of sound level tests

Número de la Directiva de base y de la última modificación de la Directiva aplicable a la homologación. En el caso de una Directiva con dos o más etapas de aplicación, indíquese también la fase de aplicación. / *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:*

Directiva 97/24/9/CE / Directive 97/24/9/EC

Variante/Versión / Variant/Version	:	5T
En marcha / Moving dB(A)	:	70.5
Estacionario / Stationary noise dB(A)	:	83
al régimen de / at (min ⁻¹)	:	3500

**2. Resultados de los ensayos sobre emisiones de gases de escape /
Test results of exhaust emissions**

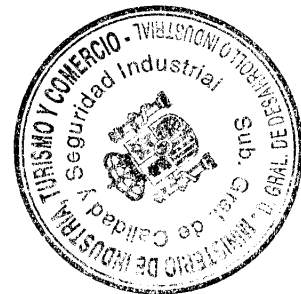
Número de la Directiva de base y de la última modificación de la Directiva aplicable a la homologación. En el caso de una Directiva con dos o más etapas de aplicación, indíquese también la fase de aplicación. / *Number of the base Directive and latest amending Directive applicable to the approval. In the case of a Directive with two or more implementation stages, indicate also the implementation stage:*

Directiva 97/24/5*2003/77/CE (EURO 2) / Directive 97/24/5*2003/77/EC (EURO 2)

Variante/Versión / Variant/Version	:	5T
2.1 Tipo I / Type I		
CO (g/km)	:	0.692
HC (g/km) ⁽²⁾	:	---
NOx (g/km) ⁽²⁾	:	---
HC + NOx (g/km) ⁽¹⁾	:	0.392
2.2 Tipo II / Type II		
CO (g/min) ⁽¹⁾	:	0
HC (g/min) ⁽¹⁾	:	0
CO (% vol) al ralentí normal / CO (% vol) at normal idle speed ⁽²⁾	:	---
Especifíquese el ralentí / Specify the idle speed ⁽²⁾⁽³⁾	:	---
CO (% vol) al ralentí alto / CO (% vol) at high idle speed ⁽²⁾	:	---
Especifíquese el ralentí / Specify the idle speed ⁽²⁾⁽³⁾	:	---
Temperatura del aceite del motor / Engine oil temperature ⁽²⁾⁽⁴⁾	:	---

3. Motor de encendido por compresión / Compression ignition engine

Variante/ versión / Variant/ version	:	---
Valor corregido del coeficiente de absorción / Corrected values of absorption coefficient (m ⁻¹)	:	---



⁽¹⁾ Únicamente para ciclomotores y para cuatriciclos ligeros tal como se definen en la letra a) del apartado 3 del artículo 1 / *Only for mopeds and for light quadricycles as defined in Article 1, paragraph 3(a)*

⁽²⁾ Únicamente para motocicletas y vehículos de motor de tres ruedas y para cuatriciclos tal como se definen en la letra b) del apartado 3 del artículo 1. / *Only for motorcycles and motor tricycles and for quadricycles as defined in Article 1, paragraph 3(b)*

⁽³⁾ Indíquense los márgenes de tolerancia en la medición. / *Mention the measurement tolerance*

⁽⁴⁾ Aplicable sólo a motores de cuatro tiempos. / *Applicable for four-stroke engines only*

APÉNDICE / APPENDIX 93/93/DK

MASAS Y DIMENSIONES / MASSES AND DIMENSIONS

Directive 93/93*2004/86/EC

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IDENTIFICACIÓN DEL VEHÍCULO PRESENTADO AL ENSAYO /
IDENTIFICATION OF THE VEHICLE SUBMITTED FOR TEST

Fabricante / <i>Manufacturer</i>	:	SHANGHAI JMSTAR MOTORCYCLE CO., LTD. Fengjing industry area, Jinshan district, 201501 Shanghai, China
Marca / <i>Make</i>	:	JMSTAR
Tipo / <i>Type</i>	:	DK
Categoría / <i>Category</i>	:	L1e
Nº de bastidor / <i>Frame number</i>	:	PROTOTYPE

DIMENSIONES / DIMENSIONS

Longitud / <i>Length</i>	=	1990 ≤ 4000 mm.....	CORRECT
Anchura / <i>Width</i>	=	680 ≤ 1000 mm.....	CORRECT
Altura / <i>Height</i>	=	1080 ≤ 2500 mm.....	CORRECT

MASAS / MASSES

Masa máxima técnicamente admisible (PTMA) / *Maximum technically admissible mass* : 268 kg

Masa en orden de marcha (POM) / *Mass in running order* : 108 kg

Carga útil declarada por el fabricante (PU) /
Maximum payload declared by the manufacturer : 268 – 108 – 75 = 85 kg

Lugar del ensayo / *Test place* : Shanghai, China
 Fecha del ensayo / *Test date* : 01.06.2007



J. Carbó Picas, Ing.Téc.Ind.
 INGENIERO DE ENSAYOS
 TEST ENGINEER

Report No. B0705050

* LOS RESULTADOS PRESENTADOS SE REFIEREN EXCLUSIVAMENTE A LA MUESTRA ENSAYADA
 THE RESULTS PRESENTED REFER ONLY TO THE TESTED SAMPLE

* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCIÓN PARCIAL DE ESTE INFORME SIN EL PERMISO EXPRESO DE IDIADA
 THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

A. INFORMATION RELATING JOINTLY TO MOPEDS, MOTORCYCLES, MOTOR TRICYCLES AND QUADRICYCLES

0. General

0.1. Make: **JMSTAR, SHENKE, HUIBANG, JONWAY, PEDA MOTOR**

0.2. Type: **DK**

Variants/Versions: **5T**

0.2.1. Commercial name: **N.A.**

0.3. Means of type identification if stated on vehicle:

From 4th and 5th digits of the VIN number

0.3.1. Location of that means of identification:

Marked on the frame and marked on the manufacturer ID plate.

0.4. Vehicle category:

L1e

0.5. Name and address of manufacturer:

**SHANGHAI JMSTAR MOTORCYCLE CO., LTD.
Fengjing industry area, Jinshan district, Shanghai, P.R.China**

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

**SHANGHAI JMSTAR MOTORCYCLE CO., LTD.
Fengjing industry area, Jinshan district, Shanghai, P.R.China**

0.6. Name and address of manufacturer's authorized representative, if any: **N.A.**

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

**VIN: Punched on the right side of frame.
Manufacturer ID plate, See the drawing of DK-27 (5T)**

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

LJ4DK5T???0000001

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

All the approved devices are marked with their homologation numbers and to erase them is not feasible.

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1. General arrangement of vehicles:

1.1. Photos and/or drawings of a typical vehicle:

See the drawing of DK-01

1.2. Dimensional drawing of the complete vehicle:

See the drawing of DK-02

1.2.1. Wheelbase:

1390 mm

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

Number of axles : **2**

Number of wheels : **2**

1.4. Position and arrangement of engine:

See the drawing of DK-04 (5T)

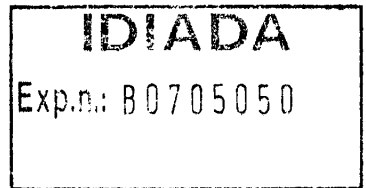
1.5. Number of seating positions: **2**

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:

Left/Right-hand



2. Masses (in kg)

2.0. Unladen mass:

102 kg

2.1. Mass of vehicle in running order:

108 kg

2.1.1. Distribution of that mass between the axles:

Front axle : **46 kg**

Rear axle : **62 kg**

2.2. Mass of vehicle in running order, together with rider:

183 kg

2.2.1. Distribution of that mass between the axles:

Front axle : **74 kg**

Rear axle : **109 kg**

2.3. Maximum technically permissible mass declared by the manufacturer:

268 kg

2.3.1. Division of that mass between the axles:

Front axle : **90 kg**

Rear axle : **178 kg**

2.3.2. Maximum technically permissible mass on each of the axles:

Front axle : **90 kg**

Rear axle : **178 kg**

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

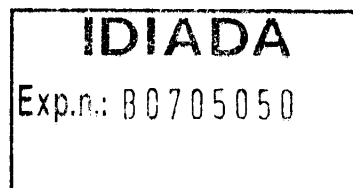
15°

2.5. Maximum towable mass (where applicable):

N.A.

2.6. Maximum mass of the combination:

N.A.



3. Engine

3.0. Manufacturer:

SHANGHAI JMSTAR MOTORCYCLE CO., LTD

3.1. Make:

JMSTAR, SHENKE, HUIBANG, JONWAY, PEDA MOTOR

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

1E40QMB

3.1.2. Location of engine number (if applicable):

Left lower side of engine body

3.2. Spark- or compression-ignition engine.

3.2.1. Specific characteristics of the engine

3.2.1.1. Operating cycle:

Two stroke, spark ignition

3.2.1.2. Number, arrangement and firing order of cylinders:

Single cylinder, horizontal + 10°

3.2.1.2.1. Bore:

40.0 mm

3.2.1.2.2. Stroke:

39.6 mm

3.2.1.3. Cylinder capacity:

49.8 cm³

3.2.1.4. Compression ratio:

7.0: 1

3.2.1.5. Drawings of cylinder head, piston(s), piston rings and cylinder(s):

Drawing of cylinder head: **see the drawing of DK-05 (5T)**

Drawing of cylinder: **see the drawing of DK-06 (5T)**

Drawing of piston and piston rings: **see the drawing of DK-07 (5T)**

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3.2.1.6. Idling speed:

1500±150 min⁻¹

3.2.1.7. Maximum net power output:

3.25 kW at 7500 min⁻¹

3.2.1.8. Net maximum torque:

4.15 N·m at 7500 min⁻¹

3.2.2. Fuel:

Petrol

3.2.3. Fuel tank

3.2.3.1. Maximum capacity:

6.5 L

3.2.3.2. Drawing of tank with indication of materials used:

See the drawing of DK-08

3.2.3.3. Diagram clearly indicating the position of the tank on the vehicle:

See the drawing of DK-09

3.2.3.4. Approval number of the fuel tank fitted:

Approval with the whole vehicle

3.2.4. Fuel supplier

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

See drawing of carburettor DK-10 (5T)

3.2.4.1.1. Make(s): **HL-IC**

3.2.4.1.2. Type(s): **PZ19**

3.2.4.1.3. Number fitted: **1**

3.2.4.1.4. Settings

i.e. of

3.2.4.1.4.1. Diffusers: **Main Jet: 68, Idle Jet: 30**

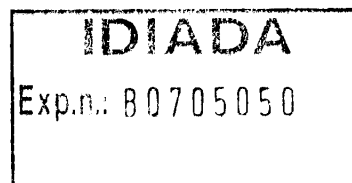
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5. Suspension

5.1. Drawing of suspension arrangement:

See the drawing of DK-21(5T), DK-22(5T)



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):

	Dimension	Max.loading	Speed Category	Rims
Front	130/60-13	53	J	J13× MT3.50
Rear	130/60-13	53	J	J13×MT3.50

5.2.1. Nominal rolling circumference:

Front: **1503mm**

Rear: **1503 mm**

5.2.2. Tyre pressures recommended by the manufacturer:

Front tyre: **200 kPa**,

Rear tyre: **220 kPa**

5.2.3. Tyre / wheel combinations: **See chart above**

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

G

5.2.5. Minimum load-capacity index with the maximum load on each tyre:

Front: **26** rear: **47**

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: **Direct system with coaxial tube steering on bearing**

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:

See the drawing of DK-23(5T) & DK-24(5T)

7.2. Front and rear brakes, disc and/or drum

7.2.1. Make(s):

Front : **Shuanjiu KL**
Rear : **Huafei**

7.2.2. Type(s):

Front : **disc (Ø 220mm)**
Rear : **drum (Ø 110 mm)**

7.3. Drawing of parts of the brake system

See the drawing of DK-23(5T) & DK-24(5T)

7.3.1. Shoes and/or pads

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

See the drawing of DK-23(5T) & DK-24(5T)

7.3.3. Brake levers and/or pedals

Front brake: **Right lever**
Rear brake: **Left lever**

7.3.4. Hydraulic reservoirs (where applicable):

Front : **Put on the right handle bar**
Rear : **Put on the left handle bar**

7.4. Other devices (where applicable): drawing and description:

N.A.

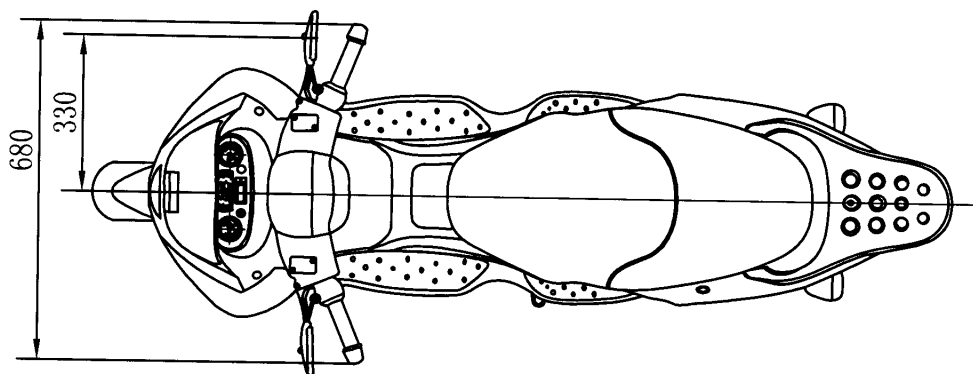
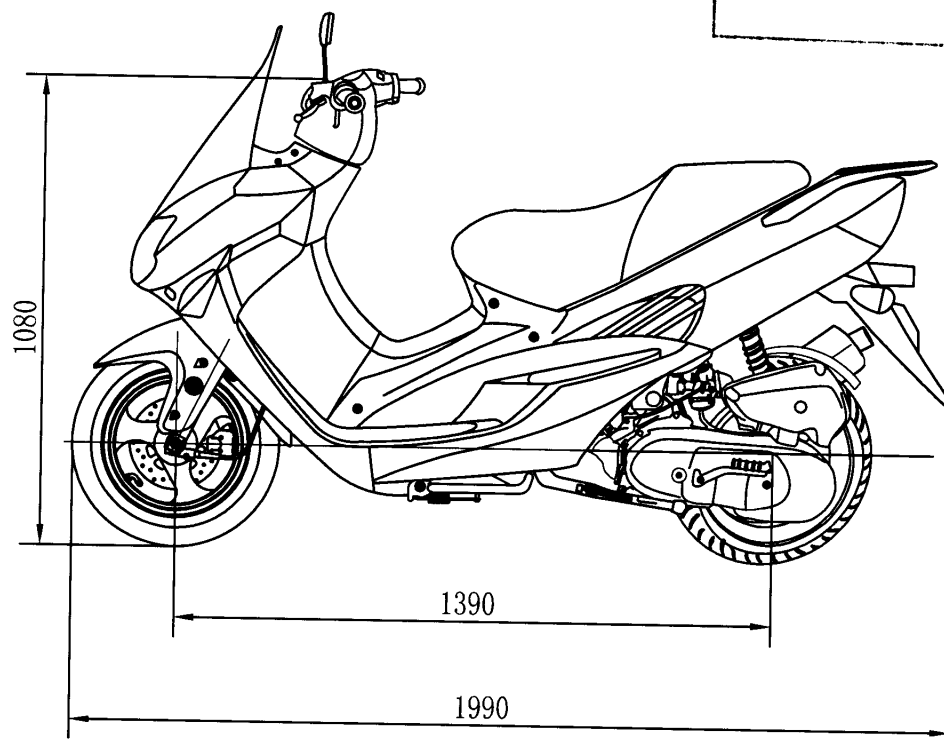
7.5. Brief description of the electrical and / or electronic components used in the braking system:

N.A.



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Shanghai Jmstar Motorcycle Co., Ltd.

DK-02

Location of engine

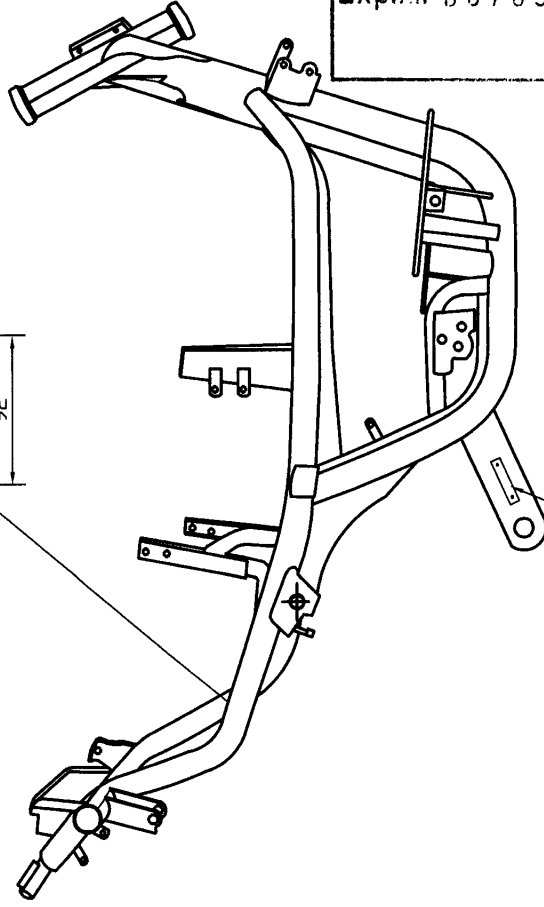
Technical drawing of a rectangular plate. The plate has a width of 4mm and a height of 36. The text "Shanghai Jinstar Motorcycle Co., Ltd." is printed on the left side. The text "e9*2002/24*" is printed in the center. The text "☆L14DK5T? ☆" is printed on the right side. The text "83 dB - 3500 min⁻¹" is printed on the right side. The text "62" is printed at the bottom right.

www.ztzt.com

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890

Diagram illustrating the structure of the 12-digit identification code:

- Serial Number**: 3 digits (LJ4)
- Production Plant**: 3 digits (DK)
- Production Year**: 3 digits (5T)
- Check Digit**: 1 digit (****)
- Variant/Version**: 3 digits
- Type**: 3 digits
- VMI**: 3 digits



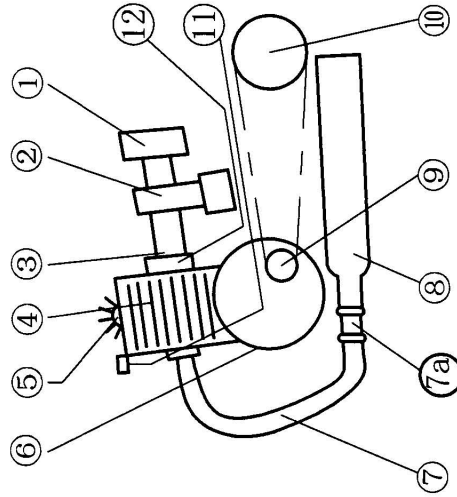
Exp.n.: 80705050

Location of Manufacturer ID Plate
Printing depth: 0.2-0.3mm

Shanghai Jmstar Motorcycle Co., Ltd.

DK-27(5T) Statutory Inscription

TRADE NAME: **Jmstar**
VEHICLE CATEGORY: **A**



- | | | |
|----|----------|------------|
| 1 | e9 | BJ05-9 |
| 2 | YY50QT-T | |
| 3 | BJ05-06 | |
| 4 | BJ05-03 | |
| 5 | BJ05-02 | |
| 6 | 1E40QMB | |
| 7 | --- | |
| 7a | e9 | ø 63.5×60 |
| 8 | e9 | III475II-T |
| 9 | ø 95 | |
| 10 | ø 120 | |
| 11 | 1E40QMB | |
| 12 | --- | |

40

60

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Shanghai Jmstar Motorcycle Co., Ltd.

DK-34 (5T) Anti Tampering Plate



SHANGHAI JMSTAR MOTORCYCLE CO., LTD.
EC CERTIFICATE OF CONFORMITY

Side 1

The undersigned:

Hereby certifies that the following vehicle:

0.1. Mark(trade name of manufacturer):

0.2. Type:

Variant:

Version:

0.2.1. Commercial name(s) (where appropriate):

0.4. Vehicle category:

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

(full name)

0.5. Name and address of the manufacturer: Shanghai Jmstar Motorcycle Co., Ltd.
Fengjing industry park, Jinshan district, Shanghai, 201501
P. R. China.

0.6. Location of the statutory plate:

Vehicle identification number:

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

conforms in all respects to the type described in EC type-approval

EC type-approval number:

Dated:

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

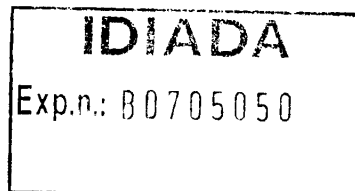
SHANGHAI - P. R. CHINA

(place)

(signature)

(DATE)

(position)



Side 2

Additional information

1. Number of axles: and wheels:

3. Wheel base:

6. 1. Length:

7. 1. Width:

8. Height:

12. 1. Mass of the vehicle (with bodywork) in running order:

12. 2. Unladen mass of the vehicle:

14. 1. Technically permissible maximum laden mass:

14. 2. Distribution of this mass among the axles: 1. 2.

14. 3. Technically permissible mass on each axle: 1. 2.

17. Maximum mass of trailer: N.A

19. 1. Maximum vertical load at the coupling point for a trailer: N.A

20. Engine manufacturer: Shanghai Jmstar Motorcycle Co., Ltd.

21. Engine type as marked on the engine:

21. 2. Engine number:

22. Working principle:

23. Number and arrangement of cylinders:

24. Cylinder capacity:

25. Fuel: P

26. Maximum net power or maximum continuous rated power as applicable:

26. 1. Ratio: maximum net power or maximum continuous rated power/ mass of the vehicle in running order:

28. Gearbox (type):

29. Gear ratios:

Front gear

Riverse gear

32. Tyre size designation:

37. Body: ---

41. Number and configuration of doors: --

42. 1. Number and position of seats:
43. 1. Approval mark of coupling device, if fitted:
44. Maximum speed: min⁻¹
45. Sound level: Stationary: dB(A) at engine speed: min⁻¹
Drive-by: dB (A) at km/h
46. Exhaust emissions:
Type I test CO: g/km HC: g/km
NO_x: HC+NO_x: g/km
Type II test for mopeds: CO: g/min HC: g/min
For motorcycles and tricycles: CO: Vol.
Visible air pollution caused by an engine with compression ignition:
Corrected value of absorption coefficient: N.A.
Fiscal power or national code number(s):
Italy: France: Spain:
Belgium: Germany: Luxembourg:
Denmark: Netherlands: Greece:
United Kingdom: Ireland: Portugal:
Austria: Sweden: Finland:
Remarks:
Exemptions:

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