

**VCA Headquarters**

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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

17 July 2006

Dear Sir / Madam

Communication of approvals in accordance with Paragraph 5 of Article 4 of Directive 92/53/EEC.

Please find enclosed the following documents certifying the homologation of the vehicle in accordance with Directive 70/156/EEC as amended by Directive 2001/116/EC:

1. Homologation certificate e11*2001/116*0152*03 issued by the Vehicle Certification Agency as the Approval Authority in the United Kingdom.
2. Information document (Annex III of Directive 92/53/EEC).
3. Test results sheet (Annex VIII of Directive 92/53/EEC).
4. Name and specimen of the signature of the person authorised to sign certificates of conformity and their position in the company.

Yours faithfully

Rob Nixon
Senior Engineer
Whole Vehicle Approval

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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY
EC TYPE-APPROVAL CERTIFICATE

Communication concerning Type-Approval of a type of vehicle
with regard to Directive 2002/24/EC

Type-Approval number: e11*2002/24*0152*03

Reason for extension: See manufacturer's documentation

0. GENERAL

0.1. Make(s) (trade name of the manufacturer): Moto Guzzi

0.2. Type: LP/0/00, LP/A/00, LP/B/00, LP/E/00, LP/G/00, LP/G/01, LP/H/00, LP/H/01, LP/L/00,
LP/L/01, LP/M/00 and LP/M/01

0.2.1. Commercial name(s): Not applicable

0.3. Means of identification of type, if marked on the vehicle: Vehicle Identification Number

0.3.1. Location of that marking: On the frame front part (see attached drawings No. A2.0, A3.0,
D1.0)

0.4. Category ⁽²⁾ : L3e

0.5. Name and address of the vehicle manufacturer:

Moto Guzzi S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC)
Italy

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

See section 0.5 above

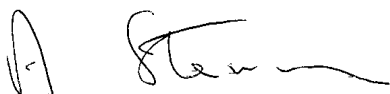


The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle type described above, for which one or several representative samples, selected by the competent approval authorities, has (have) been submitted as prototype(s) of the vehicle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

The vehicle type meets the technical requirements of all the relevant separate Directives (as last amended) listed in the table of Annex I to Directive 2002/24/EC.

The approval is GRANTED

Place: BRISTOL



A. W. STENNING
Head of Product Certification

Date: 17 JULY 2006

EBG077822

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

- (1) Delete where not applicable.
(2) According to the classification introduced in Article 1.





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APPROVAL NUMBER: e11*2001/116*0152*03

INFORMATION PACKAGE CONTENTS

INDEX

REVISION NUMBER: 4 (Four)

Total number of sheets:	100 (One-Hundred)
Number of separate drawings:	0 (Nil)
Number of separate photographs:	0 (Nil)

Reasons for Revision: See manufacturer's documentation

EBG077822

Revision date
&
Office stamp





Technical Report No. 350-0345-04-ITA Ext.04
Manufacturer: Moto Guzzi S.p.A. (I)
Type: LP

2002/24/EC

Page 1

Extension 04

to

TECHNICAL REPORT

No. 350 - 0345 - 04 - ITA

Test according to the EC-directive on the approximation of the laws of the Member States relating to

Whole vehicle type approval of two or three-wheel motor vehicles

No.: 2002/24/EC

Dated: 18.03.2002

No.: 2005/30/EC

Dated: 22.04.2005

I. Technical Indication

1.1	Make:	Moto Guzzi																
1.2	Type:	LP																
1.2.1	Variant/Version:	<table border="1"><tr><td>0/00</td><td>A/00</td><td>B/00</td><td>E/00</td><td>G/00</td><td>G/01</td><td>H/00</td><td>H/01</td></tr><tr><td></td><td></td><td>L/00</td><td>L/01</td><td></td><td></td><td>M/00</td><td>M/01</td></tr></table>	0/00	A/00	B/00	E/00	G/00	G/01	H/00	H/01			L/00	L/01			M/00	M/01
0/00	A/00	B/00	E/00	G/00	G/01	H/00	H/01											
		L/00	L/01			M/00	M/01											
	Engine Family:	<table border="1"><tr><td>00</td><td>01</td><td>02, 03</td><td>02, 03</td></tr></table>	00	01	02, 03	02, 03												
00	01	02, 03	02, 03															
1.3	Commercial name:	---																
1.4	Category of vehicle:	L3e (according to 2002/24/EC); D (according to 97/24/EC, Chapter 7)																
1.5	Name and address of the manufacturer	Moto Guzzi S.p.A Via E. Parodi, 57 I-23826 Mandello del Lario (LC)																
1.5.1	Name and address of assembly plants	Moto Guzzi S.p.A. Via E. Parodi, 57 I-23826 Mandello del Lario (LC)																
1.6	Name of the manufacturers representative	Not applicable																
1.7	Location of approval mark	Not applicable																
1.8	Approval number	e11*2002/24*0152*02																





- 1.9 Reason for Extension
- New variant/version L/00, L/01, M/00, M/01;
 - Rear view mirrors and front brake discs as alternative;
 - Dimensions (height and width– see variant/version “M/??”);
 - Documents updating (as amended by directive 2005/30/EC).

2. Technical Description

- 2.1 Sort: Motorcycle
- 2.1.1 Category of vehicle: see item 1.4

2.2	Maximum design speed:	Variant / version	Engine family
	210 km/h	O/??, A/??	00
	185 km/h	B/??, E/??	01
	215 km/h	G/??, M/??	02, 03
	220 km/h	H/??	02, 03
	190 km/h	L/??	01

- 2.3 Wheels:
- 2.3.1 Number of wheels: 2
- 2.4 Design of the frame: steel frame welded

3. Masses and Dimensions: Meets 93/93/EEC amended 2004/86/EC

- 3.0 Unladen mass:
- Variant/version O/??, A/??,
B/??, E/??, G/??, M/??: 231 kg
- Variant/version H/??, L/??: 244 kg





3.1 Mass of vehicle in running order:

Variant/version O/??, A/??,
B/??, E/??, G/??, M/??: 248 kg

Variant/version H/??, L/??: 261 kg

3.1.1 Distribution of the mass between
the axles:

Variant/version O/??, A/??,
B/??, E/??, G/??, M/??:

Front: 122 kg

Rear: 126 kg

Variant/version H/??, L/??:

Front: 130 kg

Rear: 131 kg

3.2 Mass of vehicle in running order,
together with rider:

Variant/version O/??, A/??,
B/??, E/??, G/??, M/??: 323 kg

Variant/version H/??, L/??: 336 kg

3.2.1 Distribution of this mass between
the axles:

Variant/version O/??, A/??,
B/??, E/??, G/??, M/??:

Front: 147 kg

Rear: 176 kg

Variant/version H/??, L/??:

Front: 153 kg

Rear: 183 kg

3.3 Maximum technically permissible
mass declared by the
manufacturer:

Variant/version ?/??: 478 kg





3.3.1 Distribution of this mass between the axles:

Variant/version ?/??:

Front: 178 kg

Rear: 300 kg

3.3.2 Maximum technically permissible mass on each of the axles:

Variant/version ?/??:

Front: 178 kg

Rear: 300 kg

3.4 Length of the vehicle: 2195 mm
2450 mm (with optional rear trunk)

3.5 Width of the vehicle:
Variant/version O/??, A/??, 870 mm
B/??, E/??, G/??, H/??, L/??: 980 mm (with optional rear side bags)
Variant/version M/??: 820 mm

3.6 Height of the vehicle:
Variant/version O/??, A/??, 1125 mm
B/??, E/??, G/??: 1360 mm (with optional windscreen)
Variant/version H/??, L/??: 1365 ÷ 1405 mm
(with adjustable windshield)
Variant/version M/??: 1180 mm

3.7 Wheelbase of the vehicle: 1495 mm





Technical Report No. 350-0345-04-ITA Ext.04
Manufacturer: Moto Guzzi S.p.A. (I)
Type: LP

2002/24/EC

Page 5

4. Engine:

- 4.1 Name and address of engine manufacturer: Moto Guzzi S.p.A
Via E.V.Parodi, 57
I-23826 Mandello del Lario(LC)
- 4.2 Make: Moto Guzzi
- 4.2.1 Type:

KP	A1	A2
----	----	----
- 4.2.2 Engine Family:

00	01	02, 03
----	----	--------
- 4.3 Operation principle: Positive ignition
- 4.4 Description:
- 4.4.1 Operation cycle: Four stroke, spark ignition
- 4.4.2 Cooling: Air
- 4.4.3 Lubrication: Oil sump, wet crankcase with lobes pump
- 4.4.4 Cylinder: 2-cylinder disposition V 90° rectangular to the longitudinal plane
- 4.4.5 Cylinder:
- | Engine family | 00 | 01 | 02 |
|------------------------------|----------------------|-----------------------|-----------------------|
| Bore: | 92 mm | 92 mm | 95 mm |
| Stroke: | 80 mm | 66 mm | 81,2 mm |
| Cylinder capacity each : | 532 cm ³ | 438,5 cm ³ | 575,5 cm ³ |
| Cylinder capacity complete : | 1064 cm ³ | 877 cm ³ | 1151 cm ³ |
- 4.4.6 Distribution diagram: See: Information Document
No.: ZGU / LP / 2002 / 24 / rev.03
- 4.4.7 Compression ratio:
- engine family 00: 9,6 ± 0,5 : 1
- engine family 01: 9,8 ± 0,5 : 1
- engine family 02, 03: 9,8 ± 0,5 : 1





4.4.8 Maximum power and torque: Meets 95/1/EC, annex II fulfilled (including the amendment 2006/27/EC dated 03-Mar-2006)
(see: Information Document No.: ZGU / LP / 2002 / 24 / rev.03, annex 3: Technical Report No.: 350-0347-04-ITA Ext.03)

Maximum power:

engine family 00: 63,0 kW at 7500 min⁻¹
engine family 01: 54,0 kW at 7650 min⁻¹
engine family 02, 03: 68,0 kW at 7250 min⁻¹

Maximum torque:

engine family 00: 85,0 Nm at 6800 min⁻¹
engine family 01: 70,0 Nm at 6650 min⁻¹
engine family 02, 03: 96,2 Nm at 5500 min⁻¹

4.4.9 Fuel tank: Meets 97/24/EC, chap. 6,
Approval No.:
e11*97/24*97/24/6/I*0460*00

4.4.10 Fuel supply: Injection system

10.15 Anti-Tampering measures Not applicable

4.4.11 Nominal voltage: 12 V, negative earth

4.4.12 Generator: Permanent magnet, 3 phase current

10.3 Electromagnetic compatibility: Meets 97/24/EC, chap. 8 (including the amendment 2005/30/EC dated 22-Apr.-2005)
(see annex 5: Technical Report No.: 350-0349-04-ITA Ext.03)





Technical Report No. 350-0345-04-ITA Ext.04
Manufacturer: Moto Guzzi S.p.A. (I)
Type: LP

2002/24/EC

Page 7

10.4 Noise emission: Meets 97/24/EC, chap. 9
(including the amendment 2005/30/EC
dated 22-Apr.-2005)
**(see annex 6: Technical Report
No.: 350-0350-04-ITA Ext.03)**

10.4.1 Manufacturer of the exhaust system: Moto Guzzi S.p.A., see above

10.4.2 Type of the exhaust system:
Engine family 00, 01, 03

Exhaust pipes: Moto Guzzi ZGU1000 e11

Expansion chamber: Moto Guzzi ZGU1000 e11

Silencer: Moto Guzzi ZGU1000 e11

Engine family 02

Exhaust pipes: Moto Guzzi ZGU1002 e11

Silencer: Moto Guzzi ZGU1002 e11

10.4.3 Test results of noise test:

engine family 00: Stationary condition: 91,0 dB(A)
at engine speed: 3750 min⁻¹
Moving conditions: 80,0 dB(A)

engine family 01:

Variant/version B/??, E/??, L/??: Stationary condition: 88,0 dB(A)
at engine speed: 3825 min⁻¹
Moving conditions: 80,0 dB(A)

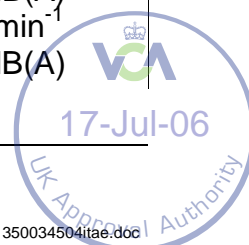
engine family 02:

Variant/version G/??, M/??: Stationary condition: 88,0 dB(A)
at engine speed: 3625 min⁻¹
Moving conditions: 80,0 dB(A)

Variant/version H/??: Stationary condition: 88,0 dB(A)
at engine speed: 3625 min⁻¹
Moving conditions: 79,0 dB(A)

engine family 03:

Variant/version G/??, M/??: Stationary condition: 86,0 dB(A)
at engine speed: 3625 min⁻¹
Moving conditions: 79,0 dB(A)





Technical Report No. 350-0345-04-ITA Ext.04
Manufacturer: Moto Guzzi S.p.A. (I)
Type: LP

2002/24/EC

Page 8

Variant/version H/???: Stationary condition: 86,0 dB(A)
at engine speed: 3625 min⁻¹
Moving conditions: 78,0 dB(A)

4.4.13 Protection against gaseous pollutants: Meets 97/24/EC, chap.5
(including the amendment 2005/30/EC dated 22-Apr.-2005)
(see annex 4: Technical Report No.: 350-0348-04-ITA Ext.03)

4.5 Electric engine: Not applicable

5. Gearbox:

5.1 Manual or description of automatic shift gearboxes manual

5.2 Number of gears 6

5.3 Transmission ratios:

Engine family:	00	01	02, 03
secondary ratios:			
1 st	1 : 2,235 (17/38)	1 : 2,235 (17/38)	1 : 2,235 (17/38)
2 nd	1 : 1,700 (20/34)	1 : 1,700 (20/34)	1 : 1,700 (20/34)
3 rd	1 : 1,347 (23/31)	1 : 1,347 (23/31)	1 : 1,347 (23/31)
4 th	1 : 1,115 (26/29)	1 : 1,115 (26/29)	1 : 1,115 (26/29)
5 th	1 : 0,967 (31/30)	1 : 0,967 (31/30)	1 : 0,967 (31/30)
6 th	1 : 0,862 (29/25)	1 : 0,862 (29/25)	1 : 0,862 (29/25)
Engine family:	00	01	02, 03
primary ratio:	1 : 1,346 (26/35)	1 : 1,565 (23/36)	1 : 1,458 (24/35)
final drive ratio:	1 : 3,666 (12/44)	1 : 3,666 (12/44)	1 : 3,666 (12/44)





Technical Report No. 350-0345-04-ITA Ext.04
Manufacturer: Moto Guzzi S.p.A. (I)
Type: LP

2002/24/EC

Page 9

2.2 Maximum design speed

	Variant / version	Engine family
210 km/h	O/??, A/??	00
185 km/h	B/??, E/??	01
215 km/h	G/??, M/??	02, 03
220 km/h	H/??	02, 03
190 km/h	L/??	01

Meets 95/1/EC, annex I
(including the amendment 2006/27/EC
dated 03-Mar-2006)
**(see annex 3: Technical Report
No.: 350-0347-04-ITA Ext.03)**

10.12 Speedometer:

Meets 2000/7/EC
**(see annex 7: Technical Report
No.: 350-0351-04-ITA Ext.03)**

6. Tires:

Meets 97/24/EC, Chapter 1
(including the amendment 2005/30/EC
dated 22-Apr.-2005)

	Tires	Rims
Front	120/70 - ZR17 (58W)	3.50 x 17
Rear	180/55 - ZR17 (73W)	5.50 x 17

7. Brakes:

Meets 93/14/EEC
**(see annex 2: Technical Report
No.: 350-0346-04-ITA Ext.03)**

8. Installation of lighting and light-signalling devices:

Meets 93/92/EEC,
(including the amendment 2000/73/EC
dated 22.11.2000)



- 9. Lighting and light-signalling devices:** Meets 97/24/EC, chap. 2
(including the amendment 2005/30/EC dated 22-Apr.-2005)
- 10. Various items:**
- 10.16 Coupling devices and their installation Not applicable
- 10.13 Identification of controls, tell-tales and indicators Meets 93/29/EEC,
(including the amendment 2000/74/EC dated 22.11.2000)
- 10.14 Statutory markings Meets 93/34/EEC, including the amendment 1999/25/EC
- Content and displacement: See: Information Document
No.: ZGU / LP / 2002 / 24 / rev.03
- Kind of inscription: Inscribed VIN and riveted constructors plate
- 10.8 Devices to prevent unauthorised use: Meets 93/33/EEC
(including the amendment 1999/23/EC dated 09.04.1999)
- 10.1 Audible warning device: Meets 93/30/EEC, annex II
(see attachment a: Test Record)
- Approval marking: E3 0053927, e3 0053389
- 10.1.1 Noise level 95,2 dB(A)
- 10.2 Location of rear registration plate Meets directive 93/94/EEC
(including the amendment 1999/26/EC dated 09.04.1999)



- | | | |
|-------|--|---|
| 10.5 | Rear view mirrors | Meets directive 97/24/EC, chap. 4
(including the amendment 2005/30/EC
dated 22-Apr.-2005) |
| | Approval marking: L E13 0297 Le13
as alternative E11 00 1049
as alternative E11 00 1094
as alternative LE3 7003 | |
| 10.6 | External projection | Meets directive 97/24/EC, chap. 3
(including the amendment 2005/30/EC
dated 22-Apr.-2005) |
| 10.7 | Stand | Meets directive 93/31/EEC,
(including the amendment 2000/72/EC
dated 22.11.2000)
Prop stand
Central stand |
| 10.10 | passenger hand-hold | Meets directive 93/32/EEC
(including the amendment 1999/24/EC
dated 09.04.1999)
Handles – grip. |



II. Test Results

1. Results of the sound level tests.
Directive 97/24/EC chap. 9 dated 17-Jun.-1997, including the last amendment 2005/30/EC dated 22-Apr.-2005.

Variant/Version	0/00, A/00	B/00, E/00, L/00, L/01	G/00, G/01, M/00, M/01	H/00, H/01
Engine family	00	01	02 03	02 03
Moving dB(A)	80,0	80,0	80,0 79	79,0 78,0
Stationary dB(A)	91	88	88 86	88 86
at (min ⁻¹)	3750	3825	3625 3625	3625 3625

2. Results of the exhaust emission tests.
Directive 97/24/EC chap. 5 dated 17-Jun.-1997, including the last amendment 2005/30/EC dated 22-Apr.-2005.

2.1. Type I

Variant/Version	0/00, A/00	B/00, E/00, L/00, L/01	G/00, G/01, M/00, M/01	H/00, H/01
Engine family	00	01	02 03	02 03
CO (g/km)	1,2310	0,743	1,011 0,865	1,011 0,865
HC (g/km) ⁽¹⁾	0,1825	0,132	0,178 0,167	0,178 0,167
NO _x (g/km) ⁽¹⁾	0,1195	0,084	0,018 0,095	0,018 0,095
HC+NO _x (g/km) ⁽²⁾	n.a.	n,a,	n.a.	n,a,

2.2. Type II

Variant/Version	n.a.
CO (g/min) ⁽²⁾	n.a.
HC (g/min) ⁽²⁾	n.a.
at (min ⁻¹)	n.a.

Variant/Version	0/00, A/00	B/00, E/00, L/00, L/01	G/00, G/01, M/00, M/01	H/00, H/01
Engine family	00	01	02 03	02 03
CO (% vol) ⁽¹⁾	0,1	0,05	0,01 0,07	0,01 0,07
at (min ⁻¹)	1100	1100	1100	1100

Variant/Version	0/00, A/00	B/00, E/00, L/00, L/01	G/00, G/01, M/00, M/01	H/00, H/01
Engine family	00	01	02 03	02 03
CO (% vol) ⁽¹⁾	0,05	0,2	0,1 0,05	0,1 0,05
at (min ⁻¹)	2200	2200	2200	2200

Engine oil temperature at the time of the test	358 K	375 K	371 K 373 K	371 K 373 K
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3. Compression ignition engine

Variant/Version	n.a.
Corrected value of absorption coefficient (m ⁻¹)	n.a.

⁽¹⁾ Only for motorcycles and motor tricycles and for quadricycles.

⁽²⁾ Only for mopeds and light quadricycles.





ATTACHMENTS

	Designation	Drawing No.	Date
a.	Test Record for audible warning devices	---	13-Dec.-2004
1.	Information Document, including	ZGU/LP/2002/24/rev.03	03-Jul.-2006
	- Separate Directive Approval Numbers acc. to 2002/24/EC, Annex II, Part 2	(1 page)	
	- Specimen of signature according to 2002/24/EC, Annex III	(1 page)	
	- Model of the Certificate of Conformity according to 2002/24/EC, Annex IV	(18 pages)	
2.	Technical Report referring to braking system	350-0346-04-ITA Ext.03	10-Jul-2006
3.	Technical Report referring to maximum speed and maximum power	350-0347-04-ITA Ext.03	10-Jul-2006
4.	Technical Report emission of gaseous pollutants	350-0348-04-ITA Ext.03	10-Jul-2006
5.	Technical Report referring to electro-magnetic compatibility	350-0349-04-ITA Ext.03	10-Jul-2006
6.	Technical Report referring to the noise level	350-0350-04-ITA Ext.03	10-Jul-2006
7.	Technical Report referring to speedometer	350-0351-04-ITA Ext.03	10-Jul-2006





Automotive

Technical Report No. 350-0345-04-ITA Ext.04
Manufacturer: Moto Guzzi S.p.A. (I)
Type: LP

2002/24/EC

Page 14

IV. Final confirmation

The given information and the described vehicle type therein are in accordance with the above mentioned test basis.

The test equipment, facilities and test sites fulfilled the requirements of the applicable legislation.

This technical report consists of sheet 1 to 14.



Recognised Expert
Francesco Medici

fm Sesto San Giovanni – MI (I), the 10-Jul-2006

Cd06 – 158092



Test Record for audible warning devices

according to the council directive 93/30/EEC annex II



Automotive

- 0 Make/Type of Vehicle /Variant /Version Moto Guzzi / LP / ???
- 0.1 VIN of test vehicle ZGULP00004M111121 (prototype)
1. Test conditions
- 1.1 Kind of audible warning device: 1 Claxon
electro-magnetic horn (12 V, DC)

manufacturer: L.E.B. S.p.A.
Vicenza, Italy
TYP: K80 L
approval no.: E3 0053927, e3 0053389
- 1.2 The position of the warning device on the vehicle The horns are fixed to the front part of the vehicle by hangers.
- 1.3 The shape and the materials used which are likely to affect the level of the sounds emitted by the warning device ---
- 1.4 Measuring instruments: Precision sound level meter:
Manufacturer: Brüel & Kjaer
Type: 2235
- 2.0 Noise level of surrounding area: 56 - 57 dB(A)
- 2.1 Level of the audible warning device:**
E3 0053927, e3 0053389 (LEB) **95,2 dB(A)**

2.2 Required value			
	moped	min.: 75 dB(A); max.:112 dB(A)	
	motorcycle not more than 7 kW	min.: 80 dB(A); max.:112 dB(A)	
	motorcycle more than 7 kW	min.: 93 dB(A); max.:112 dB(A)	X

- 3.0 Place and date of the test: Asiago (VI), 13-Dec.-2004
- 3.1 Operator:

Francesco Medici





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

1/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

SUBJECT : MOTORCYCLE TYPE “ LP “

OGGETTO : MOTOCICLO TIPO “ LP “

This document concerns the following variants and versions :

Il presente documento è relativo alle seguenti varianti e versioni :



Variant and Version	Engine family Famiglia motore	Notes (brief technical description) / Note (breve descrizione tecnica)
0 / 00	00	V-type engine (90°), two cylinders, 4 stroke, air cooled, cylinder capacity 1064 cm ³ (engine type identification code “KP”), fuel supply by indirect injection, exhaust system with catalyst (with lambda sensor and without secondary air injection), gearbox with six speeds and foot control, max power 63,0 kW at 7500 min ⁻¹ , max speed 210 km/h, front and rear brake disk, body configuration “naked, double seater”. <i>Motore bicilindrico a V (90°), 4 tempi, raffreddato ad aria, cilindrata 1064 cm³ (codice di identificazione del tipo del motore “KP”), alimentazione ad iniezione indiretta, silenziatore di scarico con catalizzatore (con sonda lambda e senza aria secondaria), cambio a sei rapporti con comando a pedale, potenza massima 63,0 kW a 7500 min⁻¹, velocità massima 210 km/h, freno anteriore e posteriore a disco, configurazione della carrozzeria “senza carena, allestimento biposto”.</i>
A / 00	00	Like variant and version 0/00 but: antilock braking system. <i>Come variante e versione 0/00 eccetto: sistema di frenatura con dispositivo antibloccaggio.</i>
B / 00	01	V-type engine (90°), two cylinders, 4 stroke, air cooled, cylinder capacity <u>877 cm³</u> (engine type identification code “A1”), fuel supply by indirect injection, exhaust system with catalyst (with lambda sensor and without secondary air injection), gearbox with six speeds and foot control, max power <u>54,0 kW at 7650 min⁻¹</u> , max speed 185 km/h, front and rear brake disk, body configuration “naked, double seater”. <i>Motore bicilindrico a V (90°), 4 tempi, raffreddato ad aria, cilindrata <u>877 cm³</u> (codice di identificazione del tipo del motore “A1”), alimentazione ad iniezione indiretta, silenziatore di scarico con catalizzatore (con sonda lambda e senza aria secondaria), cambio a sei rapporti con comando a pedale, potenza massima <u>54,0 kW a 7650 min⁻¹</u>, velocità massima 185 km/h, freno anteriore e posteriore a disco, configurazione della carrozzeria “senza carena, allestimento biposto”.</i>
E / 00	01	Like variant and version B/00 but: antilock braking system. <i>Come variante e versione B/00 eccetto: sistema di frenatura con dispositivo antibloccaggio.</i>
G / 00	02 03	V-type engine (90°), two cylinders, 4 stroke, air cooled, cylinder capacity <u>1151 cm³</u> (engine type identification code “A2”), fuel supply by indirect injection, exhaust system with catalyst (with lambda sensor and without secondary air injection), gearbox with six speeds and foot control, max power <u>68,0 kW at 7250 min⁻¹</u> , max speed 215 km/h, front and rear brake disk, body configuration “ <u>naked</u> , double seater”. <i>Motore bicilindrico a V (90°), 4 tempi, raffreddato ad aria, cilindrata <u>1151 cm³</u> (codice di identificazione del tipo del motore “A2”), alimentazione ad iniezione indiretta, silenziatore di scarico con catalizzatore (con sonda lambda e senza aria secondaria), cambio a sei rapporti con comando a pedale, potenza massima <u>68,0 kW a 7250 min⁻¹</u>, velocità massima 215 km/h, freno anteriore e posteriore a disco, configurazione della carrozzeria “<u>senza carena</u>, allestimento biposto”.</i>
G / 01	02 03	Like variant and version G/00 but: antilock braking system. <i>Come variante e versione G/00 eccetto: sistema di frenatura con dispositivo antibloccaggio.</i>





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type: **LP**
Veicolo tipo: **LP**

2/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

Variant and Version	Engine family Famiglia motore	Notes (brief technical description) / Note (breve descrizione tecnica)
H / 00	02 03	V-type engine (90°), two cylinders, 4 stroke, air cooled, cylinder capacity <u>1151 cm³</u> (engine type identification code "A2"), fuel supply by indirect injection, exhaust system with catalyst (with lambda sensor and without secondary air injection), gearbox with six speeds and foot control, max power <u>68,0 kW at 7250 min⁻¹</u> , max speed 220 km/h, front and rear brake disk, body configuration " <u>faired</u> , double seater". <i>Motore bicilindrico a V (90°), 4 tempi, raffreddato ad aria, cilindrata <u>1151 cm³</u> (codice di identificazione del tipo del motore "A2"), alimentazione ad iniezione indiretta, silenziatore di scarico con catalizzatore (con sonda lambda e senza aria secondaria), cambio a sei rapporti con comando a pedale, potenza massima <u>68,0 kW a 7250 min⁻¹</u>, velocità massima 220 km/h, freno anteriore e posteriore a disco, configurazione della carrozzeria "<u>con carenatura</u>, allestimento biposto".</i>
H / 01	02 03	Like variant and version H/00 but: antilock braking system. <i>Come variante e versione H/00 eccetto: sistema di frenatura con dispositivo antibloccaggio.</i>
L / 00	01	V-type engine (90°), two cylinders, 4 stroke, air cooled, cylinder capacity <u>877 cm³</u> (engine type identification code "A1"), fuel supply by indirect injection, exhaust system with catalyst (with lambda sensor and without secondary air injection), gearbox with six speeds and foot control, max power <u>54,0 kW at 7650 min⁻¹</u> , max speed 190 km/h, front and rear brake disk, body configuration " <u>faired</u> , double seater". <i>Motore bicilindrico a V (90°), 4 tempi, raffreddato ad aria, cilindrata <u>877 cm³</u> (codice di identificazione del tipo del motore "A1"), alimentazione ad iniezione indiretta, silenziatore di scarico con catalizzatore (con sonda lambda e senza aria secondaria), cambio a sei rapporti con comando a pedale, potenza massima <u>54,0 kW a 7650 min⁻¹</u>, velocità massima 190 km/h, freno anteriore e posteriore a disco, configurazione della carrozzeria "<u>con carenatura</u>, allestimento biposto".</i>
L / 01	01	Like variant and version L/00 but: antilock braking system. <i>Come variante e versione L/00 eccetto: sistema di frenatura con dispositivo antibloccaggio.</i>
M / 00	02 03	V-type engine (90°), two cylinders, 4 stroke, air cooled, cylinder capacity <u>1151 cm³</u> (engine type identification code "A2"), fuel supply by indirect injection, exhaust system with catalyst (with lambda sensor and without secondary air injection), gearbox with six speeds and foot control, max power <u>68,0 kW at 7250 min⁻¹</u> , max speed 215 km/h, front and rear brake disk, body configuration " <u>naked</u> , double seater". <i>Motore bicilindrico a V (90°), 4 tempi, raffreddato ad aria, cilindrata <u>1151 cm³</u> (codice di identificazione del tipo del motore "A2"), alimentazione ad iniezione indiretta, silenziatore di scarico con catalizzatore (con sonda lambda e senza aria secondaria), cambio a sei rapporti con comando a pedale, potenza massima <u>68,0 kW a 7250 min⁻¹</u>, velocità massima 215 km/h, freno anteriore e posteriore a disco, configurazione della carrozzeria "<u>senza carena</u>, allestimento biposto".</i>
M / 01	02 03	Like variant and version M/00 but: antilock braking system. <i>Come variante e versione M/00 eccetto: sistema di frenatura con dispositivo antibloccaggio.</i>





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type: LP
Veicolo tipo: LP

3/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

Document revisions / Revisioni del documento :

Rev. Nr	Date	Reason of revision / Motivo della revisione
00	22.11.2004	First emission / Prima emissione.
01	01.12.2005	<p>New variant and version : A/00, B/00, E/00 New engine family : 01. New devices / technical unit: antilock braking system (see variant and version A/00, E/00) Device / Technical unit as alternative: rear view mirrors, spark plug cover (designation type code). Various: engine type designation (A1) and relative characteristics (see engine family "01"), document updating.</p> <p>Nuova variante e versione : A/00, B/00, E/00 Nuova famiglia motore : 01. Nuovo dispositivo / entità tecnica: sistema di frenatura con dispositivo antibloccaggio (vedere variante e versione A/00, E/00). Dispositivo / Entità tecnica in alternativa: specchi retrovisori, cappuccio candela (sigla di identificazione). Varie: designazione del tipo di motore (A1) e relative caratteristiche (vedere famiglia motore "01"), aggiornamento documenti.</p>
02	03.04.2006	<p>New variant and version : G/00, G/01, H/00, H/01. New engine family : 02, 03. New devices / technical unit: front turn indicators (see variant / version H/??). Device / Technical unit as alternative: exhaust system. Various: engine type designation (A2) and relative characteristics (see engine family "02, 03"), dashboard (switches and buttons configuration), masses and dimensions (height – see variant/version "H/??"), document updating.</p> <p>Nuova variante e versione : G/00, G/01, H/00, H/01. Nuova famiglia motore : 02, 03. Nuovo dispositivo / entità tecnica: indicatori di direzione anteriori (vedere variante / versione H/??). Dispositivo / Entità tecnica in alternativa: sistema di scarico. Varie: designazione del tipo di motore (A2) e relative caratteristiche (vedere famiglia motore "02, 03"), plancia comandi (configurazione di pulsanti e interruttori), masse e dimensioni (altezza – vedere variante / versione "H/??"), aggiornamento documenti.</p>
03	03.07.2006	<p>New variant and version : L/00, L/01, M/00, M/01. New engine family : not applicable. New devices / technical unit: not applicable. Device / Technical unit as alternative: rear view mirrors, front brake discs. Various: dimensions (height and width – see variant/version "M/??"), document updating (as amended by directive 2005/30/CE).</p> <p>Nuova variante e versione : L/00, L/01, M/00, M/01. Nuova famiglia motore : non ricorre. Nuovo dispositivo / entità tecnica: non ricorre. Dispositivo / Entità tecnica in alternativa: specchi retrovisori, dischi freno anteriori. Varie: dimensioni (altezza e larghezza – vedere variante / versione "M/??"), aggiornamento documenti (in accordo all'emendamento direttiva 2005/30/CE).</p>





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

4/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

General description: pages 5 ÷ 17 / Descrizione generale: pagine 5 ÷ 17

Enclosures Allegati	Items / Riferimenti	Description / Descrizione
A1.0 A1.1 A1.2 A1.3 A1.4	1.1. / 1.2. / B.1.1.4. / B.1.4.2.	Complete vehicle / <i>Vista complessiva del veicolo</i>
A2.0	0.3.1. / 0.7. / 1.4. / 3.2.3.3. / 9.3.1. / 9.6. / B.1.2.2.	Vehicle general scheme / <i>Schema generale del veicolo</i>
A3.0	0.3.1. / 0.7. / 9.3.1.	Frame / <i>Telaio</i>
A4.0	B.1.4.2.	Hand-hold for passenger / <i>Dispositivo di ritenuta per passeggero</i>
A5.0	B.1.2.2	Stand / <i>Cavalletto</i>
A6.0 A6.1	4.7.3. / 9.2.1.	Dashboard / <i>Plancia comandi</i>
A7.0	9.4.2.	Device to protect against unauthorized use <i>Dispositivo contro l'impiego non autorizzato</i>
A8.0	3.2.3.2.	Fuel tank / <i>Serbatoio carburante</i>
A9.0	5.1.	Front suspension / <i>Sospensione anteriore</i>
A10.0	5.1.	Rear suspension / <i>Sospensione posteriore</i>
A11.0 A11.1	7.1.	Braking devices scheme / <i>Schema installazione dispositivi di frenatura</i>
A12.0 A12.1	7.2. / 7.3.	Front braking system / <i>Impianto frenante anteriore</i>
A13.0	7.2. / 7.3.	Rear braking system / <i>Impianto frenante posteriore</i>
A14.0 A14.1	0.8. / 8.1. / 8.2.	Lighting and light- signalling devices <i>Dispositivi di illuminazione e segnalazione luminosa</i>
A15.0	0.8. / 9.5.1. / 9.5.6.	Electric horn / <i>Segnalatore acustico</i>
A16.0 A16.1	0.8. / B.1.1. / B.1.1.4.	Driving mirrors / <i>Specchi retrovisori</i>
B1.0 B1.1	3.2.6.8.1	Spark plug cover / <i>Cappuccio candela</i>
B2.0 B2.1	3.2.6.8.1	Spark plug / <i>Candela</i>
B3.0 B3.1 B3.2	3.2.6.4	Ignition advance / <i>Anticipo di accensione</i>
B4.0 B4.1 B4.2	3.2.4.3.4	Injection map / <i>Mappatura dell'iniezione</i>
B5.0	3.2.4.3.1	Injection system scheme / <i>Schema del sistema di iniezione</i>
C1.0	3.	Engine / <i>Motore</i>
C2.0 C2.1 C2.2 C2.3	3.2.1.7. / 3.2.1.8.	Power and torque curves / <i>Curve di coppia e potenza</i>
C3.0 C3.1	3.2.1.5. / 3.2.1.0.	Engine head / <i>Testa motore</i>
C4.0 C4.1	3.2.1.5. / 3.2.1.0.	Engine cylinder / <i>Cilindro motore</i>
C5.0 C5.1 C5.2	3.2.1.5.	Engine piston and rings / <i>Pistone motore e segmenti</i>
C6.0	3.2.11.	Engine distribution diagram / <i>Diagramma di distribuzione motore</i>
C7.0	not applicable / <i>non ricorre</i>	
C8.0	3.2.8.3	Throttle body / <i>Corpo farfallato</i>





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type: **LP**
Veicolo tipo:

5/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

Enclosures Allegati	Items / Riferimenti	Description / Descrizione
C9.0	3.2.8.3.1.	Induction manifold / Collettore di aspirazione
C10.0	not applicable / non ricorre	
C11.0	4.1.	Engine transmission diagram / Schema trasmissione motore
C11.1		
C11.2		
C12.0	0.8. / 3.2.8.3. / 3.2.8.3.2. / 3.2.8.3.3.	Inlet silencer / Silenziatore di aspirazione
C13.0	0.8 / 3.2.9.1 / 3.2.12.2.1.8	Exhaust system / Sistema di scarico
C13.1		
C14.0	3.2.12.2	Anti-air pollution devices / Dispositivi contro l'inquinamento atmosferico
C15.0	3.6.3.1	Oil cooler / Radiatore olio
C15.1		
C16.0	not applicable / non ricorre	
C17.0	3.2.12.1	Gas scavenging scheme from the engine block Schema del recupero dei gas dal basamento
D1.0	0.3.1. / 0.7. / 9.3.2. / 9.3.3.	Statutory markings / Iscrizioni regolamentari





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

6/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

A. INFORMATION RELATING JOINTLY TO MOPEDS , MOTORCYCLES, MOTOR TRYCYCLES AND QUADRICYCLES
INFORMAZIONI COMUNI RELATIVE A CICLOMOTORI, MOTOCICLI, TRICICLI E QUADRICICLI

0. General description
Descrizione Generale

0.1 Make:
Marca: **MOTO GUZZI**

0.2 Type:
Tipo: **LP**

Variant and version:
Variante e versione:

Variant	Version	Engine Family
0	00	00
A	00	00
B	00	01
E	00	01
G	00	02 , 03
G	01	02 , 03
H	00	02 , 03
H	01	02 , 03
L	00	01
L	01	01
M	00	02 , 03
M	01	02 , 03

0.2.1 Commercial name:
Denominazione commerciale: **Not applicable**

0.3 Means of type identification if stated on vehicle:
Mezzi di identificazione del tipo se indicati sul veicolo: **V.I.N.**

0.3.1 Location of that means of identification:
Posizione della indicazione: **See attached drawings No. A2.0 , A3.0 , D1.0 and following if applicable**

0.4 Vehicle category:
Categoria del veicolo:

Engine Family	Category according to 97/24/EC chap.7	Category according to 2002/24/EC	Classification according to 2002/24/EC
?	D	L3e	Motorcycle

0.5 Name and address of manufacturer:
Nome e indirizzo del costruttore: **MOTO GUZZI S.p.A.**
via Parodi 57, 23826 Mandello del Lario (LC) - IT -

0.5.1 Name(s) and address(es) of assembly plants:
Nome e indirizzo dello o degli stabilimenti di montaggio: **MOTO GUZZI S.p.A.**
via Parodi 57, 23826 Mandello del Lario (LC) - IT -

0.6 Name and address of manufacturer's authorized representative, if any:
Nome ed indirizzo dell'eventuale mandatario del costruttore:
Not applicable

0.7 Position and method of affixing statutory inscriptions to the chassis:
Posizione e modo di applicazione delle iscrizioni regolamentari sul telaio:

Inscriptions	Method of affixing	Location			
		R	X 275	Y 535	Z 25
Frame number	by punching	R	X 275	Y 535	Z 25
Statutory plate	plate fixed by rivets	L	X 275	Y 535	Z 25

See attached drawings No. A2.0 , A3.0 , D1.0 and following if applicable

0.7.1 The serial numbering of the type begins with No.:
La numerazione della serie del tipo inizia dal No.: **ZGULP?????000000**





DIRECTIVE 2002/24/EC – 2005/30/EC

- 0.8 Position and method of affixing the component type – approval mark for components and separate technical units:
Posizione e modo di fissaggio del marchio di omologazione per i componenti e le entità tecniche:
See attached drawings No. A14.0 , A15.0 , A16.0 , C12.0, C13.0 and following if applicable
1. **General arrangement of vehicles**
Caratteristiche costruttive generali
- 1.1 Photos and / or drawings of a typical vehicle:
Fotografie e/o disegni di un veicolo tipo: See attached drawing No. A1.0 and following if applicable
- 1.2 Dimensional drawing of the complete vehicle:
Schema quotato dell'intero veicolo: See attached drawing No. A1.0 and following if applicable
- 1.2.1 Wheelbase:
Interasse: See item 1.2.
- 1.3 Number of axels and wheels:
Numero di assi e di ruote: 2
- 1.4 Position and arrangement of engine:
Posizione e disposizione del motore: See attached drawing No. A2.0 and following if applicable
- 1.5 Number of seating positions:
Numero di posti a sedere: 2
- 1.6 Hand of drive – left or right:
Guida – sinistra o destra: See item 1.6.1.
- 1.6.1 Vehicle is equipped to be driven in right-hand or left-hand rule of the road traffic:
Veicolo predisposto per guida a destra o a sinistra: See attached drawing No. A14.0 and following if applicable

2. **Masses (kg)**
Masse (kg)

Items	Total	Front	Rear	Variant / Version
2.0	231	---	---	0/??, A/??, B/??, E/??, G/??, M/??
	244			H/??, L/??
2.1. and 2.1.1.	248	122	126	0/??, A/??, B/??, E/??, G/??, M/??
	261	130	131	H/??, L/??
2.2. and 2.2.1.	323	147	176	0/??, A/??, B/??, E/??, G/??, M/??
	336	153	183	H/??, L/??
2.3. and 2.3.1	478	178	300	
2.3.2.	---	178	300	?/??

- 2.0 Unladen mass:
Massa a vuoto: See item 2.
- 2.1 Mass of vehicle in running order:
Massa del veicolo in ordine di marcia: See item 2.
- 2.1.1 Distribution of that mass between the axles:
Ripartizione di tale massa tra gli assi: See item 2.
- 2.2 Mass of the vehicle in running order, together with rider:
Massa del veicolo in ordine di marcia con il guidatore: See item 2.
- 2.2.1 Distribution of that mass between the axles:
Ripartizione di tale massa tra gli assi: See item 2.
- 2.3 Maximum technically permissible mass declared by the manufacturer:
Massa massima tecnicamente ammissibile dichiarata dal costruttore: See item 2.
- 2.3.1 Distribution of that mass between the axles:
Ripartizione di tale massa tra gli assi: See item 2.
- 2.3.2 Maximum technically permissible mass on each of the axles:
Massa massima tecnicamente ammissibile su ciascun asse:





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

8/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

See item 2.

- 2.4 Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer:
Capacità di spunto in salita con la massa massima tecnicamente ammissibile dichiarata dal costruttore:
16 %
- 2.5 Maximum towable mass (where applicable):
Massa massima trainabile (dove è pertinente): **Not applicable**
- 2.6 Maximum mass of the combination:
Massa massima della combinazione: **Not applicable**
3. **Engine**
Motore **See attached drawing No. C1.0 and following if applicable**
- 3.0 Manufacturer:
Costruttore:

Costruttore	Make	Type	Engine Family
MOTO GUZZI S.p.A. (IT)	MOTO GUZZI	KP	00
		A1	01
		A2	02 , 03

- 3.1. Make:
Marca: **See item 3.0**
- 3.1.1 Type (stated on the engine, or other means of identificatios):
Tipo (quale apposto sul motore, o altri mezzi di identificazione):
See item 3.0
- 3.1.2 Location of engine number:
Posizione del numero del motore: **See item 3.**
- 3.2. Spark or compression-ignition engine
Motore ad accensione comandata o spontanea
- 3.2.1. Specific characteristics of the engine
Caratteristiche specifiche del motore
- 3.2.1.1 Operating cycle:
Principio di funzionamento: **Spark ignition, four stroke**
- 3.2.1.2 Number, arrangement and firing order of cylinders
Numero, disposizione e ordine di accensione dei cilindri: **Transversal V-type engine (90°), two cylinders**
- 3.2.1.2.1 Bore
Alesaggio:

Bore (mm)	Stroke (mm)	Cylinder Capacity (cm ³)	Compression Ratio	Engine Family
92	80	1064	9,6 ± 0,5 : 1	00
	66	877		01
95	81,2	1151	9,8 ± 0,5 : 1	02 , 03

- 3.2.1.2.2 Stroke:
Corsa: **See item 3.2.1.2.1.**
- 3.2.1.3 Cylinder capacity:
Cilindrata: **See item 3.2.1.2.1.**
- 3.2.1.4 Compression ratio:
Rapporto volumetrico di compressione: **See item 3.2.1.2.1.**
- 3.2.1.5 Drawings of cylinder head, piston(s), piston rings and cylinder (s)
Disegni della testata del cilindro, del pistone (i), dei segmenti del pistone (i) o del cilindro (l):
See attached drawings No. C3.0 , C4.0 , C5.0 and following if applicable
- 3.2.1.6 Idling speed:
Regime al minimo:





Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

Engine Family	min ⁻¹
?	1100 ± 100 min ⁻¹

3.2.1.7 Maximum net power output:
Potenza netta massima:

Engine Family	kW at min ⁻¹	Nm at min ⁻¹	Drawings
00	63,0 at 7500	85,0 at 6800	C2.0
01	54,0 at 7650	70,0 at 6650	C2.1
02	68,0 at 7250	96,2 at 5500	C2.2
03			C2.3

3.2.1.8 Net maximum torque:
Coppia netta massima: See item 3.2.1.7.

3.2.2 Fuel:
Carburante: Unleaded petrol

3.2.3 Fuel tank
Serbatoio del carburante

3.2.3.1 Maximum capacity:
Capacità massima: See item 3.2.3.2.

3.2.3.2 Drawing of tank with indication of materials used
Disegno del serbatoio con indicazione dei materiali usati See attached drawing No. A8.0 and following if applicable

3.2.3.3 Diagram clearly indicating the position of the tank on the vehicle
Schema di installazione del serbatoio sul veicolo See attached drawing No. A2.0 and following if applicable

3.2.3.4 Approval number of the fuel tank fitted:
Numero di omologazione del serbatoio: See item 3.2.3.2.

3.2.4 Fuel supply
Alimentazione di carburante

3.2.4.1. Via carburettor (s):
A carburatore (i) : Not applicable

From item 3.2.4.1.1. to 3.2.4.1.5.1 Not applicable
Dal punto 3.2.4.1.1. al 3.2.4.1.5.1 Non ricorre

3.2.4.2. By fuel injection (only in the case of compression ignition):
A iniezione (soltanto motori ad accensione spontanea): Not applicable

From item 3.2.4.2.1. to 3.2.4.2.8.3 Not applicable
Dal punto 3.2.4.2.1. al 3.2.4.2.8.3 Non ricorre

3.2.4.3. By fuel injection (only in the case of spark-ignition):
A iniezione (soltanto motori ad accensione comandata): Yes

3.2.4.3.1. Description of system
Descrizione del sistema: See attached drawing No. B5.0 and following if applicable

3.2.4.3.2. Operating principle:
Principio di funzionamento: Indirect injection (multipoint)

3.2.4.3.2.1. Make(s) of the injection pump:
Marca o marche della pompa di iniezione: BITRON (alternative: PIERBURG or BOSCH)

3.2.4.3.2.2. Type(s) of the injection pump:
Tipo o tipi della pompa di iniezione: Electric device, inside the fuel tank

3.2.4.3.3. Injectors - opening pressure - or characteristic diagram:
Iniettori – pressione di apertura – opp. curva caratteristica 300 ± 1.5 kPa

3.2.4.3.4. Injection advance:
Fasatura dell'iniezione: See attached drawing No. B4.0 and following if applicable





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: LP

10/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

- 3.2.4.3.5. Cold-starting system:
Sistema di avviamento a freddo: **Automatic**
- 3.2.4.3.5.1. Operating principle (s):
Principio di funzionamento : **Enrichment of fuel**
- 3.2.4.3.5.2. Operating / setting :
Limiti di funzionamento / regolazioni: **Not applicable**
- 3.2.4.4 Fuel pump :
Pompa di alimentazione: **Yes**
- 3.2.5. **Electrical Equipment**
Impianto Elettrico
- 3.2.5.1 Nominal voltage :
Tensione nominale: **12 V, negative earth**
- 3.2.5.2. Generator
Generatore
- 3.2.5.2.1 Type:
Tipo: **Permanent magnet**
- 3.2.5.2.2 Nominal power:
Potenza nominale: **550 W**
- 3.2.6. **Ignition**
Accensione
- 3.2.6.1 Make (s):
Marca (e):
- | Make | Type | Engine Family |
|----------------------|---------|---------------|
| MAGNETI MARELLI (IT) | IAW 5AM | ? |
- 3.2.6.2 Type (s):
Tipo (i): **See item 3.2.6.1.**
- 3.2.6.3 Operating principle:
Principio di funzionamento: **Inductive discharge**
- 3.2.6.4 Ignition advance curve or operating set point:
Curva dell'anticipo di accensione oppure di funzionamento caratteristico (anticipo fisso) :
See attached drawing No. B3.0 and following if applicable
- 3.2.6.5 Static timing:
Fasatura iniziale: **See item 3.2.6.4.**
- 3.2.6.6 Gap:
Apertura dei contatti: **Not applicable**
- 3.2.6.7 Dwell angle:
Angolo di chiusura: **Not applicable**
- 3.2.6.8. Anti-radio interference system:
Dispositivo per la soppressione delle correnti parassite: **See item 3.2.6.8.1.**
- 3.2.6.8.1 Terminology and drawing of anti - radio interference equipment:
Descrizione e disegno del dispositivo per la soppressione delle correnti parassite:
See attached drawings No. B1.0 , B2.0 and following if applicable
- 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 meter:
Indicazione del valore nominale delle resistenze in corrente continua e, per i cavi di accensione resistivi, indicazione della resistenza nominale per metro:
See item 3.2.6.8.1.
- 3.2.7. **Cooling system:**
Sistema di raffreddamento:





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type: **LP**
Veicolo tipo:

11/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

3.2.7.1	Nominal setting for the engine - temperature control device: <i>Taratura nominale del dispositivo di controllo della temperatura del motore:</i>	Not applicable
3.2.7.2.	Liquid <i>Liquido</i>	
3.2.7.2.1	Nature of liquid: <i>Natura del liquido:</i>	Not applicable
3.2.7.2.2	Circulating pump(s): <i>Pompa(e) di circolazione:</i>	Not applicable
3.2.7.3.	Air <i>Aria</i>	
3.2.7.3.1	Blower: <i>Ventilatore:</i>	Without
3.2.8.	Induction system <i>Sistema di aspirazione</i>	
3.2.8.1.	Supercharging: <i>Compressore:</i>	Without
3.2.8.1.1	Make(s): <i>Marca(e):</i>	Not applicable
3.2.8.1.2	Type(s): <i>Tipo(i):</i>	Not applicable
3.2.8.1.3	Description of system: <i>Descrizione del sistema:</i>	Not applicable
3.2.8.2	Intercooler: <i>Refrigeratore intermedio:</i>	Without
3.2.8.3	Description and drawings of induction pipework and accessories: <i>Descrizione e disegni delle tubazioni di aspirazione e loro accessori:</i>	See attached drawings No. C8.0 , C12.0 , C16.0 and following if applicable
3.2.8.3.1	Description of induction manifold (with drawings and/or photos): <i>Descrizione del collettore di aspirazione (disegni e/o fotografie) :</i>	See attached drawing No. C9.0 and following if applicable
3.2.8.3.2	Air filter (drawings): <i>Filtro dell'aria (disegni):</i>	See attached drawing No. C12.0 and following if applicable
3.2.8.3.2.1	Make(s): <i>Marca(e):</i>	MOTO GUZZI
3.2.8.3.2.2	Type(s): <i>Tipo(i):</i>	See item 3.2.8.3.2.
3.2.8.3.3.	Inlet silencer (drawings): <i>Silenziatore di aspirazione (disegni):</i>	See attached drawing No. C12.0 and following if applicable
3.2.8.3.3.1	Make(s): <i>Marca(e):</i>	MOTO GUZZI
3.2.8.3.3.2	Type(s): <i>Tipo(i):</i>	See item 3.2.8.3.3.
3.2.9.	Exhaust system <i>Sistema di scarico</i>	
3.2.9.1	Drawing of complete exhaust system: <i>Disegno del sistema di scarico completo:</i>	See attached drawing No. C13.0 and following if applicable
3.2.10	Minimum cross – section of the inlet and exhaust ports: <i>Sezione trasversale delle luci di entrata e di uscita:</i>	See attached drawings No. C3.0, C4.0 and following if applicable





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: LP

12/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

3.2.11 Induction system or equivalent data: **See attached drawing No. C6.0 and following if applicable**
Distribuzione o dati equivalenti:

3.2.11.1 Maximum valve lift, opening and closing angles in relation to the dead centres, or data concerning the settings of other possible system:
Alzata massima delle valvole e angoli di apertura e di chiusura con riferimento ai punti morti, oppure dettagli relativi alla regolazione di altri sistemi possibili:

Maximum Valve Lift (mm)		Reference Valve Gap (mm)		Engine Family
Inlet	Exhaust	Inlet	Exhaust	
10,74	10,74	0,15 ± 0,02	0,2 ± 0,02	?

3.2.11.2 Reference and / or setting ranges:
Campi di riferimento e/o di regolazione: **See item 3.2.11.1.**

3.2.12. Anti-air pollution measures adopted
Misure adottate contro l'inquinamento atmosferico

3.2.12.1 Crankcase-gas recycling device, solely in the case of four-stroke engines (description and drawings)
Dispositivo per il ricircolo dei gas dal basamento, soltanto per motori a quattro tempi (descrizione e disegni)
See attached drawing No. C17.0 and following if applicable

3.2.12.2. Additional anti-pollution devices (where present and not included under another heading):
Dispositivi supplementari contro l'inquinamento (se esistono e se non sono trattati sotto altre voci)
See attached drawing No. C14.0 and following if applicable

3.2.12.2.1. Catalytic converter:
Convertitore catalitico: **Yes**

3.2.12.2.1.1 Number of catalytic converters and elements:
Numero di convertitori catalitici e di elementi: **1**

3.2.12.2.1.2 Dimensions, shape and volume of the catalytic converter(s):
Dimensioni, forma e volume del o dei convertitori catalitici: **See item 3.2.12.2.**

3.2.12.2.1.3 Type of catalytic action:
Tipo di reazione catalitica: **Oxidative**

3.2.12.2.1.4 Total charge of precious metal:
Contenuto totale di metalli preziosi: **See item 3.2.12.2.**

3.2.12.2.1.5 Relative concentration:
Concentrazione relativa: **See item 3.2.12.2.**

3.2.12.2.1.6 Substrate (structure and material):
Substrato (struttura e materiale): **See item 3.2.12.2.**

3.2.12.2.1.7 Cell density:
Densità cellulare: **See item 3.2.12.2.**

3.2.12.2.1.8 Type of casing for the catalytic converter(s):
Tipo di alloggiamento del convertitore o dei convertitori catalitici
See attached drawing No. C13.0 and following if applicable

3.2.12.2.1.9 Location of the catalytic converter(s) (place and reference distance in the exhaust):
Posizione del convertitore o dei convertitori catalitici (ubicazione e distanza di riferimento rispetto al condotto di scarico):
See item 3.2.12.2.1.8

3.2.12.2.2. Oxygen sensor:
Sensore di ossigeno: **Yes**

3.2.12.2.2.1 Type:
Tipo: **Wide band**

3.2.12.2.2.2 Location:
Ubicazione: **See item 3.2.12.2.1.8**

3.2.12.2.2.3 Control range:
Campo di regolazione:





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type: **LP**
Veicolo tipo:

13/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

3.2.12.2.3.	Air injection: <i>Iniezione di aria:</i>	No
3.2.12.2.3.1	Type (pulse air, air pump etc.): <i>Tipo (aria pulsata, pompa per aria. ecc.):</i>	Not applicable
3.2.12.2.4.	Exhaust gas recirculation: <i>Ricircolo dei gas di scarico:</i>	Not applicable
3.2.12.2.4.1	Characteristics (flow rate, etc.): <i>Caratteristiche (portata, ecc.):</i>	Not applicable
3.2.12.2.5	Other systems (description and operation): <i>Altri sistemi (descrizione e funzionamento):</i>	Not applicable
3.2.13	Location of the coefficient of absorption symbol (compression-ignition engines only) <i>Posizione del simbolo del coefficiente di assorbimento (unicamente per motori ad accensione spontanea)</i>	Not applicable
3.3.	Electric traction engine <i>Motore elettrico di trazione</i>	
From item Dal punto	3.3.1 to 3.4 3.3.1 al 3.4	Not applicable Non ricorre
3.5.	Temperature permitted by the manufacturer <i>Temperature ammesse dal costruttore</i>	
3.5.1.	Liquid cooling <i>Raffreddamento a liquido</i>	Not applicable
3.5.1.1	Maximum temperature at outlet: <i>Temperatura massima di uscita:</i>	Not applicable
3.5.2.	Air cooling <i>Raffreddamento ad aria</i>	
3.5.2.1	Reference point: <i>Punto di riferimento:</i>	Under the spark plug
3.5.2.2	Maximum temperature at reference point: <i>Temperatura massima al punto di riferimento:</i>	550 K ± 20 K (277 °C ± 20 °C)
3.6.	Lubrication system <i>Sistema di lubrificazione</i>	
3.6.1.	Description of system <i>Descrizione del sistema</i>	See item 3.6.1.2.
3.6.1.1	Location of oil reservoir (if any): <i>Posizione del serbatoio di lubrificante (se esiste):</i>	Oil sump
3.6.1.2	Feed system (pump / injection into induction system / mixed with the fuel, etc) <i>Sistema di alimentazione:</i>	Wet crankcase with lobes pump
3.6.2.	Lubricant mixed with the fuel <i>Miscela olio / carburante</i>	
3.6.2.1.	Percentage: <i>Percentuale:</i>	Not applicable
3.6.3.	Oil cooler: <i>Refrigeratore olio:</i>	See item 3.6.3.1.
3.6.3.1.	Drawing(s): <i>Disegno(i):</i>	See attached drawing No. C15.0 and following if applicable
3.6.3.1.1	Make(s): <i>Marca(e):</i>	See item 3.6.3.1.





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

14/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

3.6.3.1.2 Type(s):
Tipo(i): See item 3.6.3.1.

4. Transmission
Trasmissione

4.1 Diagram of trasmission system
Schema della trasmissione See attached drawing No. C11.0 and following if applicable

4.2 Type (mechanical, hydraulic, electrical, etc.):
Tipo di trasmissione: Mechanical

4.3 Clutch (type):
Frizione (tipo): Dry, multi-disk

4.4 Gear box
Cambio

4.4.1 Type:
Tipo: Mechanical with foot control

4.4.2 Method of selection:
Sistema di comando: See item 4.4.1

4.5 Gear ratios
Rapporti di trasmissione See item 4.1.

4.5.1 Brief description of the electrical and/or electronic components used in the trasmission:
Breve descrizione dei componenti elettrici e/o elettronici impiegati nella trasmissione:
Not applicable

4.6 Maximum speed of vehicle and gear in which it is reached (km/h):
Velocità massima del veicolo e marcia con la quale essa è ottenuta (km/h):

km / h	Gear	Variant / Version	Engine Family	Variant / Version
210	6 th	---	00	0/??, A/??
185			01	B/??, E/??
215			02, 03	G/??, M/??
220			02, 03	H/??
190			01	L/??

4.7 Speedometer
Tachimetro

4.7.1 Make(s):
Marca o marche:

Make	Modus operandi	Drive mechanism (*)	Type	Variant / Version
DIGITEK	Digital	Electronic transmission	draw. / code Nr 000057600300	?/??
			draw. / code Nr 000057600310	

(*) fixed on the front axle

4.7.2 Type(s):
Tipo o tipi: See item 4.7.1

4.7.3 Photos and/or drawings of the complete system:
Fotografie e/o disegni del sistema completo: See attached drawing No. A6.0 and following if applicable

4.7.4 Range of speeds displayed:
Gamma delle velocità indicate: See item 4.7.3

4.7.5 Tolerance of the speedometer's measuring mechanism
Tolleranza del meccanismo di misura del tachimetro

Actual Speed	Transmission Ratio	Minimum Displayed Speed	Maximum Displayed Speed
50 km / h	6 imp. / round	50,0 km / h	53,0 km / h

4.7.6 Technical constant of the speedometer:
Costante tecnica dello strumento: See item 4.7.5.

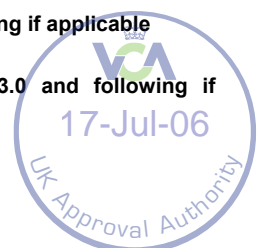




Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

- 4.7.7 Modus operandi and description of the drive mechanism:
Metodo di funzionamento e descrizione del meccanismo di trasmissione:
See item 4.7.1
- 4.7.8 Overall transmission ratio of the drive mechanism
Rapporto totale di trasmissione del meccanismo di trasmissione
See item 4.7.5.
- 5. Suspension**
Sospensione
- 5.1 Drawing of suspension arrangement:
Disegno dei dispositivi di sospensione: See attached drawing No. A9.0, A10.0 and following if applicable
- 5.1.1 Brief description of the electrical and/or electronic components used in the suspension:
Breve descrizione dei componenti elettrici e/o elettronici impiegati nella sospensione:
Not applicable
- 5.2 Tyres (category, dimensions and maximum loading) and rims (standard type):
Pneumatici (categoria, dimensioni e carico massimo) e cerchi normalmente montati:
- | Axle | Tyres | Rolling Circ.
(mm) | Tyres Pressure (kPa \pm 10) | | Rims |
|-------|-------------------|-----------------------|-------------------------------|------------|-----------|
| | | | one people | two people | |
| Front | 120/70 ZR17 (58W) | 1812 | 250 | 250 | 17 x 3.50 |
| Rear | 180/55 ZR17 (73W) | 1903 | 280 | 280 | 17 x 5.50 |
- 5.2.1 Nominal rolling circumference:
Circonferenza di rotolamento nominale: See item 5.2.
- 5.2.2 Tyre pressure recommended by the manufacturer:
Pressione degli pneumatici raccomandata dal costruttore: See item 5.2.
- 5.2.3 Tyres / rims combination(s):
Combinazione (i) di pneumatici / cerchi: See item 5.2.
- 5.2.4 Minimum speed - category symbol compatible with the theoretical maximum design speed of the vehicle:
Simbolo della categoria di velocità minima compatibile con la velocità massima teorica di progetto del veicolo:
"V"
- 5.2.5 Minimum load – capacity index with the maximum load on each tyre:
Indice della capacità di carico minimo compatibile con il carico massimo su ogni singolo pneumatico:
"58" on front axle
"73" on rear axle
- 5.2.6 Categories of use compatible for the vehicle:
Categorie d'impiego compatibili per il veicolo: Normal
- 6. Steering**
Dispositivo di sterzo
- 6.1 Steering gear and control
Meccanismo e comando
- 6.1.1 Type of gear:
Tipo di meccanismo: Direct control through the handlebar fixed to the frame
- 6.1.2 Brief description of the electrical and/or electronic components used in the steering system:
Breve descrizione dei componenti elettrici e/o elettronici impiegati nello sterzo:
Not applicable
- 7. Braking**
Freni
- 7.1 Diagram of braking devices:
Schema dei dispositivi di frenatura: See attached drawing No. A11.0 and following if applicable
- 7.2 Front and rear brakes:
Freno anteriore e posteriore: See attached drawings No. A12.0 , A13.0 and following if applicable





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type: LP
Veicolo tipo: LP

16/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

- 7.2.1 Make(s):
Marca o marche: See item 7.2.
- 7.2.2 Type(s):
Tipo(i): See item 7.2.
- 7.3 Drawing of parts of the brake system:
Disegno degli organi di frenatura: See attached drawings No. A12.0 , A13.0 and following if applicable
- 7.3.1 Shoes and/or pads :
Pinze: See item 7.3.
- 7.3.2 Linings and/or pads:
Pastiglie: See item 7.3.
- 7.3.3 Brake levers and / or pedals:
Leve e/o pedali del freno: See item 7.3.
- 7.3.4 Hydraulic reservoirs (where applicable):
Serbatoio(i) di liquido idraulico (se necessario): See item 7.3.
- 7.4 Other devices (where applicable):drawing and description
Altri dispositivi (se necessario): disegno e descrizione See item 7.1. , 7.3.
- 7.5 Brief description of the electrical and/or electronic components used in the braking system:
Breve descrizione dei componenti elettrici e/o elettronici impiegati nel sistema di frenatura:
See item 7.1. , 7.3.
- 8. Lighting and light-signalling devices**
Dispositivi di illuminazione e di segnalazione luminosa
- 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):
Tabella di tutti i dispositivi (numero, marca o marche, modello, marchio o marchi di approvazione, intensità massima dei proiettori abbaglianti, colore, spia corrispondente):
See attached drawing No. A14.0 and following if applicable
- 8.2 Diagram showing the location of the lighting and light-signaling devices:
Schema della posizione dei dispositivi di illuminazione e di segnalazione luminosa:
See attached drawing No. A14.0 and following if applicable
- 8.3 Hazard warning lamps (where fitted):
Dispositivo di segnalazione di emergenza (se esiste): Not applicable
- 8.4 Additional requirements relating to special vehicle:
Dispositivi supplementari per veicoli speciali: Not applicable
- 8.5 Brief description of the electrical and/or electronic components used in the lighting system and in the light-signalling system:
Breve descrizione dei componenti elettrici e/o elettronici impiegati nel sistema di illuminazione e segnalazione luminosa:
Not applicable
- 9. Equipment**
Equipaggiamenti
- 9.1 Coupling devices (where applicable)
Dispositivi di traino (se esistono)
- 9.1.1 Type(s): hook/ring/other:
Tipo o tipi: gancio/occhione/altri: Not applicable
- 9.1.2 Photographs and/or drawing showing the position and the construction of the coupling devices:
Fotografie e/o disegni che illustrano la posizione e la costruzione del dispositivo/i di traino:
Not applicable
- 9.2 Arrangement and identification of controls , tell- tales and indicators:
Sistemazione ed identificazione dei comandi , spie ed indicatori:
See item 9.2.1
- 9.2.1 Photographs and/or drawings of the arrangement of the symbols, controls, tell-tales and indicators:
Fotografie e/o disegni della disposizione dei simboli, dei comandi, delle spie e degli indicatori:
See attached drawing No. A6.0 and following if applicable





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

17/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

- 9.3. **Statutory inscriptions**
Iscrizioni regolamentari
- 9.3.1 Photographs and/or drawings showing the location of the statutory inscriptions and the chassis number:
Fotografie e/o disegni che illustrano la posizione delle iscrizioni regolamentari e del numero del telaio:
See attached drawings No. A2.0 , A3.0 and following if applicable
- 9.3.2 Photographs and/or drawings showing the official part of the inscriptions (with statement of dimensions):
Fotografie e/o disegni che illustrano la parte ufficiale delle iscrizioni (indicazione delle dimensioni):
See attached drawing No. D1.0 and following if applicable
- 9.3.3 Photographs and/or drawings of the chassis number (with statement of dimensions):
Fotografie e/o disegni del numero di telaio (indicazione delle dimensioni):
See attached drawing No. D1.0 and following if applicable
- 9.4. **Device(s) to protect against unauthorized use**
Dispositivo (i) di protezione contro un uso non autorizzato
- 9.4.1 Type of device(s):
Tipo di dispositivo(i): **Type 2 (see directive 1999/23/EC, attached 1)**
- 9.4.2 Summary description of device(s) used:
Descrizione sommaria del dispositivo utilizzato: **See attached drawing No. A7.0 and following if applicable**
- 9.5. **Audible warning device(s)**
Avvisatore (i) acustico (i)
- 9.5.1 Summary description of device(s) used and their purpose:
Descrizione sommaria del (dei) dispositivo(i) utilizzato(i) e destinazione:
Electrical system
See attached drawing No. A15.0 and following if applicable
- 9.5.2 Make(s):
Marca o marche: **See item 9.5.1.**
- 9.5.3 Type(s):
Tipo(i): **See item 9.5.1.**
- 9.5.4 Type approval mark:
Marchio di omologazione: **See item 9.5.1.**
- 9.5.5 Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle
Disegno(i) che illustra(no) la posizione dell'avvisatore(i) acustico(i) rispetto alla struttura del veicolo
See attached drawing No. A15.0 and following if applicable
- 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:
Particolari relativi al modo di fissaggio, compresa la parte della struttura del veicolo sulla quale è (sono) fissato(i) l'avvisatore(i) acustico(i):
Fixed to the front part of the vehicle by an hanger
- 9.6. Location of rear registration plate (indicate variants where necessary; drawing may be used as appropriate):
Posizione della targa di immatricolazione posteriore dei motocicli (indicare le eventuali varianti; all'occorrenza possono essere utilizzati dei disegni):
See attached drawing No. A2.0 and following if applicable
- 9.6.1 Inclination of plane in relation to the vertical:
Inclinazione del piano rispetto alla verticale: **See item 9.6.**
- B. INFORMATION RELATING SOLELY TO TWO-WHEEL MOPEDS AND MOTORCYCLE**
INFORMAZIONI CONCERNENTI ESCLUSIVAMENTE I CICLOMOTORI A DUE RUOTE E I MOTOCICLI
- 1. Equipment**
Equipaggiamento
- 1.1. **Rear-view mirror(s)** (please provide the following information for each rear-view mirror):
Retrovisore (i) (fornire le informazioni indicate qui appresso per ciascun retrovisore):
See attached drawing No. A16.0 and following if applicable
- 1.1.1 Make:
Marca: **See item 1.1.**





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

18/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

- 1.1.2 Component type-approval mark:
Marchio di approvazione: **See item 1.1.**
- 1.1.3 Variant:
Variante: **See item 1.1.**
- 1.1.4 Drawing(s) showing the location of the rear-view mirror(s) in relation to the structure of the vehicle:
Disegno(i) che illustra(no) la posizione del o dei retrovisori rispetto alla struttura dei veicoli:
See attached drawings No. A1.0 , A16.0 and following if applicable
- 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:
Dettagli relativi al sistema di fissaggio nonchè alla parte della struttura del veicolo cui è fissato il retrovisore:
See item 1.1.4.
- 1.2. **Stand**
Cavalletto
- 1.2.1 Type:
Tipo: **See item 1.2.2.**
- 1.2.2 Drawing showing the location of the stand(s) in relation to the structure of the vehicle:
Disegno che illustra la posizione del cavalletto(i) rispetto alla struttura del veicolo:
See attached drawings No. A2.0 , A5.0 and following if applicable
- 1.3 Attachment for motorcycle sidecars (where applicable):
Fissaggio per la motocarrozzetta di motocicli (se esistono)
Not applicable
- 1.3.1 Photographs and/or drawings showing the location and the construction:
Fotografie e/o disegni che illustrino la posizione e la costruzione:
Not applicable
- 1.4. **Hand-hold for a passenger**
Dispositivi di ritenuta per passeggeri
- 1.4.1 Type:
Tipo: **See item 1.4.2.**
- 1.4.2 Photographs and/or drawings showing the location:
Fotografie e/o disegni che illustrino la posizione: **See attached drawings No. A1.0 , A4.0 and following if applicable**
- 1.5 For mopeds fitted with pedals and, if Directive 97/24/EC, Chapter 3, Annex I, point 3.5 applies, description of measures taken in order to ensure safety:
Per ciclomotori dotati di pedali e nel caso in cui si applica la direttiva 97/24/CE, capitolo 3, allegato I, punto 3.5, descrizione delle misure prese per garantire la sicurezza:
Not applicable
- 1.6 Design and position of the label referred to in Directive 97/27/EC, Chapter 7:
Struttura e posizione dell'etichetta di cui alla direttiva 97/24/CE, capitolo 7:
See attached drawings No. A2.0 , D1.0 and following if applicable





MOTO GUZZI S.p.A.
Via E. Parodi, 57
23826 Mandello del Lario (LC) - IT

Vehicle type:
Veicolo tipo: **LP**

19/17

Doc. Nr : ZGU / LP / 2002 / 24 / rev. 03

DIRECTIVE 2002/24/EC – 2005/30/EC

PART 2

SEPARATE DIRECTIVE APPROVAL NUMBERS

Heading Nr	Separate Directive Nr	Subject	Approval Nr	Extension date	Variants and Versions covered
18	95/1/EC	Maximum torque and maximum net power of engine			
19	97/24/EC (C7)	Anti-tampering measures for mopeds and motorcycles			
20	97/24/EC (C6)	Fuel tank	See attached drawings No. A8.0 and following if applicable		
25	95/1/EC	Maximum design speed of vehicle			
26	93/93/EEC	Masses and dimensions			
27	97/24/EC (C10)	Trailer coupling devices			
28	97/24/EC (C5)	Anti-air pollution measures			
29	97/24/EC (C1)	Tyres			
31	93/14/EEC	Braking system			
32	93/92/EEC	Installation of lighting and light-signalling devices on the vehicle			
33	97/24/EC (C2)	Lighting and light-signalling devices	See attached drawings No. A14.0 and following if applicable		
34	93/30/EEC	Audible warning device	See attached drawings No. A15.0 and following if applicable		
35	93/94/EEC	Position for the mounting of rear registration plate			
36	97/24/EC (C8)	Electromagnetic compatibility			
37	97/24/EC (C9)	Sound level and exhaust system			
38	97/24/EC (C4)	Rear-view mirror(s)	See attached drawings No. A16.0 and following if applicable		
39	97/24/EC (C3)	External projection			
40	93/31/EEC	Stand (except in the case of vehicle having three or more wheels)			
41	93/33/EEC	Devices to prevent unauthorised use of the vehicle			
42	97/24/EC (C12)	Windows; windscreen wipers; windscreen washers; and so on			
43	93/32/EEC	Passenger hand-hold for two-wheel vehicles			
44	97/24/EC (C11)	Anchorage points for safety belts and safety belts			
45	2000/7/EC	Speedometer			
46	93/29/EEC	Identification of controls, tell-tales and indicators			
47	93/34/EEC	Statutory inscriptions			





TO WHOM IT MAY CONCERN

SUBJECT: persons authorised to sign the certificates of conformity

We, MOTO GUZZI spa, hereby declare that the person authorised to sign the certificates of conformity is the following:

Mr. **NELLO MARIOTTI**.

Position in the company: **FACTORY DIRECTOR**

Specimen of the signature:

Best regards

NOALE 03.07.2006



MOTO GUZZI S.p.A - Via E.V. Parodi, 57 - 23826 Mandello del Lario (LC) – ITALIA

EC CERTIFICATE OF CONFORMITY

The undersigned: (see specimen of signature as attached)

hereby certifies that the following vehicle:

- 0.1. Make: MOTO GUZZI
0.2. Type: LP
Variant: 0
Version: 00
0.2.1. Commercial name(s) (where appropriate): ///
0.4. Vehicle category: L3e
0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): D
0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULP000??????????
0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: e11*2002/24*0152
- dated:

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

Place: Mandello del Lario data:

Signature (see specimen of signature as attached)

Position: (see specimen of signature as attached)

Certificate of conformity Nr:

Frame Nr: ZGULP000??????????

Additional Information

- 1. Number of axles: 2 and wheels: 2
3. Wheel base (mm): 1495
6.1. Length (mm): 2195
7.1. Width (mm): 870
8. Height (mm): 1125
12.1. Mass of vehicle (with body work) in running order (kg): 248
12.2. Unladen mass of the vehicle (kg): 231
14.1. Technically permissible maximum laden mass (kg): 478
14.2. Distribution of this mass among the axles:
axle 1 (kg): 178 axle 2 (kg): 300
14.3. Technically permissible mass on each axle:
axle 1 (kg): 178 axle 2 (kg): 300
17. Maximum mass of trailer:
(braked) (kg): /// (unbraked) (kg): ///
19.1. Maximum vertical load at the coupling point for a trailer (kg):
///
20. Engine manufacturer: MOTO GUZZI
21. Engine type marked on the engine: KP
21.2. Engine number: ?
22. Working principle: SPARK IGNITION , FOUR STROKE
23. Number and arrangement of cylinders: 2 - V
24. Cylinder capacity (cm³): 1064
25. Fuel: P
26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): 63,0 / 7500
26.1. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): 0,254
28. Gearbox (type): M
29. Gear ratios:
if M 1a 11,033 2a 8,391 3a 6,652 4a 5,505 5a 4,776 6a 4,255
if A Rt min /// Rt max ///
32. Tyre size designation:
Asse 1: 120/70 ZR17 (58W) Asse2: 180/55 ZR17 (73W)
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 37. Body: NO
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 (km/h): 210
45. Sound level (dB(A)): 97/24/EC - 9
Stationary 91 at engine speed 3750 min⁻¹
Drive by: 80 dB(A)
46. Exhaust emissions: 97/24/EC / 2003/77/EC - B
Type I test (g/km): CO: 1,231 HC: 0,182
NOx: 0,119 HC+NOx: ///
Type II test (g/min): for mopeds: CO ///
HC: ///
for motorcycles and tricycles: CO: 0,1 % vol
Visible air pollution caused by an engine with compression ignition:
corrected value of absorption coefficient: /// m⁻¹
47. Fiscal power or national code number(s):
Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece:
Portugal:
Finland:
50. Remarks:
51. Exemptions:





MOTO GUZZI S.p.A - Via E.V. Parodi, 57 - 23826 Mandello del Lario (LC) – ITALIA

EC CERTIFICATE OF CONFORMITY

The undersigned: (see specimen of signature as attached)

hereby certifies that the following vehicle:

- 0.1. Make: MOTO GUZZI
0.2. Type: LP
Variant: A
Version: 00
0.2.1. Commercial name(s) (where appropriate): ///
0.4. Vehicle category: L3e
0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): D
0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULPA00??????????
0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: e11*2002/24*0152
- dated:

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

Place: Mandello del Lario data:

Signature (see specimen of signature as attached)

Position: (see specimen of signature as attached)

Certificate of conformity Nr:

Frame Nr: ZGULPA00??????????

Additional Information

- 1. Number of axles: 2 and wheels: 2
3. Wheel base (mm): 1495
6.1. Length (mm): 2195
7.1. Width (mm): 870
8. Height (mm): 1125
12.1. Mass of vehicle (with body work) in running order (kg): 248
12.2. Unladen mass of the vehicle (kg): 231
14.1. Technically permissible maximum laden mass (kg): 478
14.4. Distribution of this mass among the axles:
axle 1 (kg): 178 axle 2 (kg): 300
14.5. Technically permissible mass on each axle:
axle 1 (kg): 178 axle 2 (kg): 300
18. Maximum mass of trailer:
(braked) (kg): /// (unbraked) (kg): ///
19.2. Maximum vertical load at the coupling point for a trailer (kg):
///
20. Engine manufacturer: MOTO GUZZI
21. Engine type marked on the engine: KP
22.2. Engine number: ?
23. Working principle: SPARK IGNITION , FOUR STROKE
23. Number and arrangement of cylinders: 2 - V
24. Cylinder capacity (cm³): 1064
25. Fuel: P
26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): 63,0 / 7500
26.2. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): 0,254
28. Gearbox (type): M
30. Gear ratios:
if M 1a 11,033 2a 8,391 3a 6,652 4a 5,505 5a 4,776 6a 4,255
if A Rt min /// Rt max ///
33. Tyre size designation:
Asse 1: 120/70 ZR17 (58W) Asse2: 180/55 ZR17 (73W)
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 38. Body: NO
42. Number and configuration of doors: ///
42.2. Number and position of seats: ///
43.2. Approval mark of coupling device, if fitted: ///
44. Maximum speed (km/h): 210
45. Sound level (dB(A)): 97/24/EC - 9

Stationary 91 at engine speed 3750 min⁻¹

Drive by: 80 dB(A)

- 46. Exhaust emissions: 97/24/EC / 2003/77/EC - B

Type I test (g/km): CO: 1,231 HC: 0,182

NOx: 0,119 HC+NOx: ///

Type II test (g/min): for mopeds: CO ///

HC: ///

for motorcycles and tricycles: CO: 0,1 % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: /// m⁻¹

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

Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece:
Portugal:
Finland:

- 50. Remarks:

- 51. Exemptions:





MOTO GUZZI S.p.A - Via E.V. Parodi, 57 - 23826 Mandello del Lario (LC) – ITALIA

EC CERTIFICATE OF CONFORMITY

The undersigned: (see specimen of signature as attached)

hereby certifies that the following vehicle:

- 0.1. Make: MOTO GUZZI
0.2. Type: LP
Variant: B
Version: 00
0.2.1. Commercial name(s) (where appropriate): ///
0.4. Vehicle category: L3e
0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): D
0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULPB00??????????
0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: e11*2002/24*0152
- dated:

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

Place: Mandello del Lario data:

Signature (see specimen of signature as attached)

Position: (see specimen of signature as attached)

Certificate of conformity Nr:

Frame Nr: ZGULPB00??????????

Additional Information

- 1. Number of axles: 2 and wheels: 2
3. Wheel base (mm): 1495
6.1. Length (mm): 2195
7.1. Width (mm): 870
8. Height (mm): 1125
12.1. Mass of vehicle (with body work) in running order (kg): 248
12.2. Unladen mass of the vehicle (kg): 231
14.1. Technically permissible maximum laden mass (kg): 478
14.6. Distribution of this mass among the axles:
axle 1 (kg): 178 axle 2 (kg): 300
14.7. Technically permissible mass on each axle:
axle 1 (kg): 178 axle 2 (kg): 300
19. Maximum mass of trailer:
(braked) (kg): /// (unbraked) (kg): ///
19.3. Maximum vertical load at the coupling point for a trailer (kg):
///
20. Engine manufacturer: MOTO GUZZI
21. Engine type marked on the engine: A1
23.2. Engine number: ?
24. Working principle: SPARK IGNITION , FOUR STROKE
23. Number and arrangement of cylinders: 2 - V
24. Cylinder capacity (cm³): 877
25. Fuel: P
26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): 54,0 / 7650
26.3. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): 0,217
28. Gearbox (type): M
31. Gear ratios:
if M 1a 12,828 2a 9,756 3a 7,735 4a 6,401 5a 5,553 6a 4,947
if A Rt min /// Rt max ///
34. Tyre size designation:
Asse 1: 120/70 ZR17 (58W) Asse2: 180/55 ZR17 (73W)
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 39. Body: NO
43. Number and configuration of doors: ///
42.3. Number and position of seats: ///
43.3. Approval mark of coupling device, if fitted: ///
44. Maximum speed (km/h): 185
45. Sound level (dB(A)): 97/24/EC - 9
Stationary 88 at engine speed 3825 min⁻¹
Drive by: 80 dB(A)
46. Exhaust emissions: 97/24/EC / 2003/77/EC - B
Type I test (g/km): CO: 0,743 HC: 0,132
NOx: 0,084 HC+NOx: ///
Type II test (g/min): for mopeds: CO ///
HC: ///
for motorcycles and tricycles: CO: 0,1 % vol
Visible air pollution caused by an engine with compression ignition:
corrected value of absorption coefficient: /// m⁻¹
47. Fiscal power or national code number(s):
Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece:
Portugal:
Finland:
50. Remarks:
51. Exemptions:





MOTO GUZZI S.p.A - Via E.V. Parodi, 57 - 23826 Mandello del Lario (LC) – ITALIA

EC CERTIFICATE OF CONFORMITY

The undersigned: (see specimen of signature as attached)

hereby certifies that the following vehicle:

- 0.1. Make: MOTO GUZZI
0.2. Type: LP
Variant: E
Version: 00
0.2.1. Commercial name(s) (where appropriate): ///
0.4. Vehicle category: L3e
0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): D
0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULPE00??????????
0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: e11*2002/24*0152
- dated:

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

Place: Mandello del Lario data:

Signature (see specimen of signature as attached)

Position: (see specimen of signature as attached)

Certificate of conformity Nr:

Frame Nr: ZGULPE00??????????

Additional Information

- 1. Number of axles: 2 and wheels: 2
3. Wheel base (mm): 1495
6.1. Length (mm): 2195
7.1. Width (mm): 870
8. Height (mm): 1125
12.1. Mass of vehicle (with body work) in running order (kg): 248
12.2. Unladen mass of the vehicle (kg): 231
14.1. Technically permissible maximum laden mass (kg): 478
14.8. Distribution of this mass among the axles:
axle 1 (kg): 178 axle 2 (kg): 300
14.9. Technically permissible mass on each axle:
axle 1 (kg): 178 axle 2 (kg): 300
20. Maximum mass of trailer:
(braked) (kg): /// (unbraked) (kg): ///
19.4. Maximum vertical load at the coupling point for a trailer (kg):
///
20. Engine manufacturer: MOTO GUZZI
21. Engine type marked on the engine: A1
24.2. Engine number: ?
25. Working principle: SPARK IGNITION , FOUR STROKE
23. Number and arrangement of cylinders: 2 - V
24. Cylinder capacity (cm³): 877
25. Fuel: P
26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): 54,0 / 7650
26.4. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): 0,217
28. Gearbox (type): M
32. Gear ratios:
if M 1a 12,828 2a 9,756 3a 7,735 4a 6,401 5a 5,553 6a 4,947
if A Rt min /// Rt max ///
35. Tyre size designation:
Asse 1: 120/70 ZR17 (58W) Asse2: 180/55 ZR17 (73W)
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 40. Body: NO
44. Number and configuration of doors: ///
42.4. Number and position of seats: ///
43.4. Approval mark of coupling device, if fitted: ///
44. Maximum speed (km/h): 185
45. Sound level (dB(A)): 97/24/EC - 9
Stationary 88 at engine speed 3825 min⁻¹
Drive by: 80 dB(A)
46. Exhaust emissions: 97/24/EC / 2003/77/EC - B
Type I test (g/km): CO: 0,743 HC: 0,132
NOx: 0,084 HC+NOx: ///
Type II test (g/min): for mopeds: CO ///
HC: ///
for motorcycles and tricycles: CO: 0,1 % vol
Visible air pollution caused by an engine with compression ignition:
corrected value of absorption coefficient: /// m⁻¹
47. Fiscal power or national code number(s):
Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece:
Portugal:
Finland:
50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**

hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **G**

Version: **00**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPG00??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPG00??????????**

Additional Information

- 1. Number of axles: **2** and wheels: **2**
- 3. Wheel base (mm): **1495**
- 6.1. Length (mm): **2195**
- 7.1. Width (mm): **870**
- 8. Height (mm): **1125**
- 12.1. Mass of vehicle (with body work) in running order (kg): **248**
- 12.2. Unladen mass of the vehicle (kg): **231**
- 14.1. Technically permissible maximum laden mass (kg): **478**
- 14.10. Distribution of this mass among the axles:
axle 1 (kg): **178** axle 2 (kg): **300**
- 14.11. Technically permissible mass on each axle:
axle 1 (kg): **178** axle 2 (kg): **300**
- 21. Maximum mass of trailer:
(braked) (kg): **///** (unbraked) (kg): **///**
- 19.5. Maximum vertical load at the coupling point for a trailer (kg):
///
- 20. Engine manufacturer: **MOTO GUZZI**
- 21. Engine type marked on the engine: **A2**
- 25.2. Engine number: **?**
- 26. Working principle: **SPARK IGNITION , FOUR STROKE**
- 23. Number and arrangement of cylinders: **2 - V**
- 24. Cylinder capacity (cm³): **1151**
- 25. Fuel: **P**
- 26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**
- 26.5. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**
- 28. Gearbox (type): **M**
- 33. Gear ratios:
if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**
if A Rt min **///** Rt max **///**
- 36. Tyre size designation:
Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 41. Body: **NO**
- 45. Number and configuration of doors: **///**
- 42.5. Number and position of seats: **///**
- 43.5. Approval mark of coupling device, if fitted: **///**
- 44. Maximum speed (km/h): **215**
- 45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **88** at engine speed **3625** min⁻¹

Drive by: **80** dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **1,011** HC: **0,178**

NOx: **0,018** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**

HC: **///**

for motorcycles and tricycles: CO: **0,01** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

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

- Italy: France:
- Belgium: Germany:
- Denmark: Netherlands:
- United Kingdom: Ireland:
- Austria: Sweden:
- Spain:
- Luxembourg:
- Greece :
- Portugal :
- Finland :

51. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**
hereby certifies that the following vehicle:

- 0.1. Make: **MOTO GUZZI**
- 0.2. Type: **LP**
Variant: **G**
Version: **00**
- 0.2.1. Commercial name(s) (where appropriate): **///**
- 0.4. Vehicle category: **L3e**
- 0.4.1. Vehicle category according to Directive 97/24/EC, charter 7 (if applicable): **D**
- 0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
- 0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULPG00??????????
- 0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: **e11*2002/24*0152**
- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPG00??????????**

Additional Information

- 1. Number of axles: **2** and wheels: **2**
- 3. Wheel base (mm): **1495**
- 6.1. Length (mm): **2195**
- 7.1. Width (mm): **870**
- 8. Height (mm): **1125**
- 12.1. Mass of vehicle (with body work) in running order (kg): **248**
- 12.2. Unladen mass of the vehicle (kg): **231**
- 14.1. Technically permissible maximum laden mass (kg): **478**
- 14.12. Distribution of this mass among the axles:
axle 1 (kg): **178** axle 2 (kg): **300**
- 14.13. Technically permissible mass on each axle:
axle 1 (kg): **178** axle 2 (kg): **300**
- 22. Maximum mass of trailer:
(braked) (kg): **///** (unbraked) (kg): **///**
- 19.6. Maximum vertical load at the coupling point for a trailer (kg):
///
- 20. Engine manufacturer: **MOTO GUZZI**
- 21. Engine type marked on the engine: **A2**
- 26.2. Engine number: **?**
- 27. Working principle: **SPARK IGNITION , FOUR STROKE**
- 23. Number and arrangement of cylinders: **2 - V**
- 24. Cylinder capacity (cm³): **1151**
- 25. Fuel: **P**
- 26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**
- 26.6. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**
- 28. Gearbox (type): **M**
- 34. Gear ratios:
if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**
if A Rt min **///** Rt max **///**
- 37. Tyre size designation:
Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 42. Body: **NO**
- 46. Number and configuration of doors: **///**
- 42.6. Number and position of seats: **///**
- 43.6. Approval mark of coupling device, if fitted: **///**
- 44. Maximum speed (km/h): **215**
- 45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **86** at engine speed **3625** min⁻¹
Drive by: **79** dB(A)

- 46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **0,865** HC: **0,167**
NOx: **0,095** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**
HC: **///**

for motorcycles and tricycles: CO: **0,07** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

- 47. Fiscal power or national code number(s):
Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece:
Portugal:
Finland:

- 50. Remarks:

- 51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**

hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **G**

Version: **01**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPG01??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPG01??????????**

Additional Information

- 1. Number of axles: **2** and wheels: **2**
- 3. Wheel base (mm): **1495**
- 6.1. Length (mm): **2195**
- 7.1. Width (mm): **870**
- 8. Height (mm): **1125**
- 12.1. Mass of vehicle (with body work) in running order (kg): **248**
- 12.2. Unladen mass of the vehicle (kg): **231**
- 14.1. Technically permissible maximum laden mass (kg): **478**
- 14.14. Distribution of this mass among the axles:
axle 1 (kg): **178** axle 2 (kg): **300**
- 14.15. Technically permissible mass on each axle:
axle 1 (kg): **178** axle 2 (kg): **300**
- 23. Maximum mass of trailer:
(braked) (kg): **///** (unbraked) (kg): **///**
- 19.7. Maximum vertical load at the coupling point for a trailer (kg):
///
- 20. Engine manufacturer: **MOTO GUZZI**
- 21. Engine type marked on the engine: **A2**
- 27.2. Engine number: **?**
- 28. Working principle: **SPARK IGNITION , FOUR STROKE**
- 23. Number and arrangement of cylinders: **2 - V**
- 24. Cylinder capacity (cm³): **1151**
- 25. Fuel: **P**
- 26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**
- 26.7. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**
- 28. Gearbox (type): **M**
- 35. Gear ratios:
if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**
if A Rt min **///** Rt max **///**
- 38. Tyre size designation:
Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 43. Body: **NO**
- 47. Number and configuration of doors: **///**
- 42.7. Number and position of seats: **///**
- 43.7. Approval mark of coupling device, if fitted: **///**
- 44. Maximum speed (km/h): **215**
- 45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **88** at engine speed **3625** min⁻¹

Drive by: **80** dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **1,011** HC: **0,178**

NOx: **0,018** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**

HC: **///**

for motorcycles and tricycles: CO: **0,01** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

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

- Italy: France:
- Belgium: Germany:
- Denmark: Netherlands:
- United Kingdom: Ireland:
- Austria: Sweden:
- Spain:
- Luxembourg:
- Greece:
- Portugal:
- Finland:

50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**

hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **G**

Version: **01**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPG01??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPG01??????????**

Additional Information

- 1. Number of axles: **2** and wheels: **2**
- 3. Wheel base (mm): **1495**
- 6.1. Length (mm): **2195**
- 7.1. Width (mm): **870**
- 8. Height (mm): **1125**
- 12.1. Mass of vehicle (with body work) in running order (kg): **248**
- 12.2. Unladen mass of the vehicle (kg): **231**
- 14.1. Technically permissible maximum laden mass (kg): **478**
- 14.16. Distribution of this mass among the axles:
axle 1 (kg): **178** axle 2 (kg): **300**
- 14.17. Technically permissible mass on each axle:
axle 1 (kg): **178** axle 2 (kg): **300**
- 24. Maximum mass of trailer:
(braked) (kg): **///** (unbraked) (kg): **///**
- 19.8. Maximum vertical load at the coupling point for a trailer (kg):
///
- 20. Engine manufacturer: **MOTO GUZZI**
- 21. Engine type marked on the engine: **A2**
- 28.2. Engine number: **?**
- 29. Working principle: **SPARK IGNITION , FOUR STROKE**
- 23. Number and arrangement of cylinders: **2 - V**
- 24. Cylinder capacity (cm³): **1151**
- 25. Fuel: **P**
- 26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**
- 26.8. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**
- 28. Gearbox (type): **M**
- 36. Gear ratios:
if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**
if A Rt min **///** Rt max **///**
- 39. Tyre size designation:
Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 44. Body: **NO**
- 48. Number and configuration of doors: **///**
- 42.8. Number and position of seats: **///**
- 43.8. Approval mark of coupling device, if fitted: **///**
- 44. Maximum speed (km/h): **215**
- 45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **86** at engine speed **3625** min⁻¹

Drive by: **79** dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **0,865** HC: **0,167**

NOx: **0,095** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**

HC: **///**

for motorcycles and tricycles: CO: **0,07** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece:

Portugal:

Finland:

50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**
hereby certifies that the following vehicle:

- 0.1. Make: **MOTO GUZZI**
- 0.2. Type: **LP**
Variant: **H**
Version: **00**
- 0.2.1. Commercial name(s) (where appropriate): **///**
- 0.4. Vehicle category: **L3e**
- 0.4.1. Vehicle category according to Directive 97/24/EC, charter 7 (if applicable): **D**
- 0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
- 0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULPH00??????????
- 0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: **e11*2002/24*0152**
- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPH00??????????**

Additional Information

- 1. Number of axles: **2** and wheels: **2**
- 3. Wheel base (mm): **1495**
- 6.1. Length (mm): **2195**
- 7.1. Width (mm): **870**
- 8. Height (mm): **1405**
- 12.1. Mass of vehicle (with body work) in running order (kg): **261**
- 12.2. Unladen mass of the vehicle (kg): **244**
- 14.1. Technically permissible maximum laden mass (kg): **478**
- 14.18. Distribution of this mass among the axles:
axle 1 (kg): **178** axle 2 (kg): **300**
- 14.19. Technically permissible mass on each axle:
axle 1 (kg): **178** axle 2 (kg): **300**
- 25. Maximum mass of trailer:
(braked) (kg): **///** (unbraked) (kg): **///**
- 19.9. Maximum vertical load at the coupling point for a trailer (kg):
///
- 20. Engine manufacturer: **MOTO GUZZI**
- 21. Engine type marked on the engine: **A2**
- 29.2. Engine number: **?**
- 30. Working principle: **SPARK IGNITION , FOUR STROKE**
- 23. Number and arrangement of cylinders: **2 - V**
- 24. Cylinder capacity (cm³): **1151**
- 25. Fuel: **P**
- 26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**
- 26.9. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,260**
- 28. Gearbox (type): **M**
- 37. Gear ratios:
if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**
if A Rt min **///** Rt max **///**
- 40. Tyre size designation:
Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 45. Body: **NO**
- 49. Number and configuration of doors: **///**
- 42.9. Number and position of seats: **///**
- 43.9. Approval mark of coupling device, if fitted: **///**
- 44. Maximum speed (km/h): **220**
- 45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **88** at engine speed **3625** min⁻¹
Drive by: **79** dB(A)

- 46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **1,011** HC: **0,178**
NOx: **0,018** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**
HC: **///**

for motorcycles and tricycles: CO: **0,01** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

- 50. Fiscal power or national code number(s):
Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece :
Portugal :
Finland :

- 51. Remarks:

- 52. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**
hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **H**

Version: **00**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, charter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPH00??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPH00??????????**

Additional Information

1. Number of axles: **2** and wheels: **2**

3. Wheel base (mm): **1495**

6.1. Length (mm): **2195**

7.1. Width (mm): **870**

8. Height (mm): **1405**

12.1. Mass of vehicle (with body work) in running order (kg): **261**

12.2. Unladen mass of the vehicle (kg): **244**

14.1. Technically permissible maximum laden mass (kg): **478**

14.20. Distribution of this mass among the axles:

axle 1 (kg): **178** axle 2 (kg): **300**

14.21. Technically permissible mass on each axle:

axle 1 (kg): **178** axle 2 (kg): **300**

26. Maximum mass of trailer:

(braked) (kg): **///** (unbraked) (kg): **///**

19.10. Maximum vertical load at the coupling point for a trailer (kg):
///

20. Engine manufacturer: **MOTO GUZZI**

21. Engine type marked on the engine: **A2**

30.2. Engine number: **?**

31. Working principle: **SPARK IGNITION , FOUR STROKE**

23. Number and arrangement of cylinders: **2 - V**

24. Cylinder capacity (cm³): **1151**

25. Fuel: **P**

26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**

26.10. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,260**

28. Gearbox (type): **M**

38. Gear ratios:

if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**

if A Rt min **///** Rt max **///**

41. Tyre size designation:

Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**

- alternative 1: - alternative 1:

- alternative 2: - alternative 2:

- alternative 3: - alternative 3:

- alternative 4: - alternative 4:

46. Body: **NO**

53. Number and configuration of doors: **///**

42.10. Number and position of seats: **///**

43.10. Approval mark of coupling device, if fitted: **///**

44. Maximum speed (km/h): **220**

45. Sound level (dB(A)): **97/24/EC - 9**

Stationary 86 at engine speed 3625 min⁻¹

Drive by: 78 dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: 0,865 HC: 0,167

NOx: 0,095 HC+NOx: ///

Type II test (g/min): for mopeds: CO ///

HC: ///

for motorcycles and tricycles: CO: 0,07 % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **/// m⁻¹**

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece:

Portugal:

Finland:

50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**

hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **H**

Version: **01**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPH01??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Signature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPH01??????????**

Additional Information

1. Number of axles: **2** and wheels: **2**

3. Wheel base (mm): **1495**

6.1. Length (mm): **2195**

7.1. Width (mm): **870**

8. Height (mm): **1405**

12.1. Mass of vehicle (with body work) in running order (kg): **261**

12.2. Unladen mass of the vehicle (kg): **244**

14.1. Technically permissible maximum laden mass (kg): **478**

14.22. Distribution of this mass among the axles:

axle 1 (kg): **178** axle 2 (kg): **300**

14.23. Technically permissible mass on each axle:

axle 1 (kg): **178** axle 2 (kg): **300**

27. Maximum mass of trailer:

(braked) (kg): **///** (unbraked) (kg): **///**

19.11. Maximum vertical load at the coupling point for a trailer (kg): **///**

20. Engine manufacturer: **MOTO GUZZI**

21. Engine type marked on the engine: **A2**

31.2. Engine number: **?**

32. Working principle: **SPARK IGNITION , FOUR STROKE**

23. Number and arrangement of cylinders: **2 - V**

24. Cylinder capacity (cm³): **1151**

25. Fuel: **P**

26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**

26.11. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,260**

28. Gearbox (type): **M**

39. Gear ratios:

if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**

if A Rt min **///** Rt max **///**

42. Tyre size designation:

Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**

- alternative 1: - alternative 1:

- alternative 2: - alternative 2:

- alternative 3: - alternative 3:

- alternative 4: - alternative 4:

47. Body: **NO**

54. Number and configuration of doors: **///**

42.11. Number and position of seats: **///**

43.11 Approval mark of coupling device, if fitted: **///**

44. Maximum speed (km/h): **220**

45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **88** at engine speed **3625** min⁻¹

Drive by: **79** dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **1,011** HC: **0,178**

NOx: **0,018** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**

HC: **///**

for motorcycles and tricycles: CO: **0,01** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece:

Portugal:

Finland:

50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**
hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **H**

Version: **01**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPH01??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPH01??????????**

Additional Information

1. Number of axles: **2** and wheels: **2**

3. Wheel base (mm): **1495**

6.1. Length (mm): **2195**

7.1. Width (mm): **870**

8. Height (mm): **1405**

12.1. Mass of vehicle (with body work) in running order (kg): **261**

12.2. Unladen mass of the vehicle (kg): **244**

14.1. Technically permissible maximum laden mass (kg): **478**

14.24. Distribution of this mass among the axles:

axle 1 (kg): **178** axle 2 (kg): **300**

14.25. Technically permissible mass on each axle:

axle 1 (kg): **178** axle 2 (kg): **300**

28. Maximum mass of trailer:

(braked) (kg): **///** (unbraked) (kg): **///**

19.12. Maximum vertical load at the coupling point for a trailer (kg):
///

20. Engine manufacturer: **MOTO GUZZI**

21. Engine type marked on the engine: **A2**

32.2. Engine number: **?**

33. Working principle: **SPARK IGNITION , FOUR STROKE**

23. Number and arrangement of cylinders: **2 - V**

24. Cylinder capacity (cm³): **1151**

25. Fuel: **P**

26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**

26.12. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,260**

28. Gearbox (type): **M**

40. Gear ratios:

if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**

if A Rt min **///** Rt max **///**

43. Tyre size designation:

Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**

- alternative 1: - alternative 1:

- alternative 2: - alternative 2:

- alternative 3: - alternative 3:

- alternative 4: - alternative 4:

48. Body: **NO**

55. Number and configuration of doors: **///**

42.12. Number and position of seats: **///**

43.12. Approval mark of coupling device, if fitted: **///**

44. Maximum speed (km/h): **220**

45. Sound level (dB(A)): **97/24/EC - 9**

Stationary 86 at engine speed 3625 min⁻¹

Drive by: 78 dB(A)

46. **Exhaust emissions: 97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: 0,865 HC: 0,167

NOx: 0,095 HC+NOx: ///

Type II test (g/min): for mopeds: CO ///

HC: ///

for motorcycles and tricycles: CO: 0,07 % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **/// m⁻¹**

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece:

Portugal:

Finland:

50. Remarks:

51. Exemptions:





MOTO GUZZI S.p.A - Via E.V. Parodi, 57 - 23826 Mandello del Lario (LC) – ITALIA

EC CERTIFICATE OF CONFORMITY

The undersigned: (see specimen of signature as attached)

hereby certifies that the following vehicle:

0.1. Make: MOTO GUZZI

0.2. Type: LP

Variant: L

Version: 00

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

0.4. Vehicle category: L3e

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): D

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPL00??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: e11*2002/24*0152

- dated:

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

Place: Mandello del Lario data:

Signature (see specimen of signature as attached)

Position: (see specimen of signature as attached)

Certificate of conformity Nr:

Frame Nr: ZGULPL00??????????

Additional Information

- 1. Number of axles: 2 and wheels: 2
3. Wheel base (mm): 1495
6.1. Length (mm): 2195
7.1. Width (mm): 870
8. Height (mm): 1405
12.1. Mass of vehicle (with body work) in running order (kg): 261
12.2. Unladen mass of the vehicle (kg): 244
14.1. Technically permissible maximum laden mass (kg): 478
14.26. Distribution of this mass among the axles:
axle 1 (kg): 178 axle 2 (kg): 300
14.27. Technically permissible mass on each axle:
axle 1 (kg): 178 axle 2 (kg): 300
29. Maximum mass of trailer:
(braked) (kg): /// (unbraked) (kg): ///
19.13. Maximum vertical load at the coupling point for a trailer (kg):
///
20. Engine manufacturer: MOTO GUZZI
21. Engine type marked on the engine: A1
33.2. Engine number: ?
34. Working principle: SPARK IGNITION , FOUR STROKE
23. Number and arrangement of cylinders: 2 - V
24. Cylinder capacity (cm³): 877
25. Fuel: P
26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): 54,0 / 7650
26.13. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): 0,217
28. Gearbox (type): M
41. Gear ratios:
if M 1a 12,828 2a 9,756 3a 7,735 4a 6,401 5a 5,553 6a 4,947
if A Rt min /// Rt max ///
44. Tyre size designation:
Asse 1: 120/70 ZR17 (58W) Asse2: 180/55 ZR17 (73W)
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 49. Body: NO
56. Number and configuration of doors: ///
42.13. Number and position of seats: ///
43.13. Approval mark of coupling device, if fitted: ///
44. Maximum speed (km/h): 190
45. Sound level (dB(A)): 97/24/EC - 9

Stationary 88 at engine speed 3825 min⁻¹

Drive by: 80 dB(A)

- 46. Exhaust emissions: 97/24/EC / 2003/77/EC - B

Type I test (g/km): CO: 0,743 HC: 0,132

NOx: 0,084 HC+NOx: ///

Type II test (g/min): for mopeds: CO ///

HC: ///

for motorcycles and tricycles: CO: 0,1 % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: /// m⁻¹

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece:

Portugal:

Finland:

- 50. Remarks:

- 51. Exemptions:





MOTO GUZZI S.p.A - Via E.V. Parodi, 57 - 23826 Mandello del Lario (LC) – ITALIA

EC CERTIFICATE OF CONFORMITY

The undersigned: (see specimen of signature as attached)

hereby certifies that the following vehicle:

- 0.1. Make: MOTO GUZZI
0.2. Type: LP
Variant: L
Version: 01
0.2.1. Commercial name(s) (where appropriate): ///
0.4. Vehicle category: L3e
0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): D
0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULPL01????????
0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: e11*2002/24*0152
- dated:

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

Place: Mandello del Lario data:

Signature (see specimen of signature as attached)

Position: (see specimen of signature as attached)

Certificate of conformity Nr:

Frame Nr: ZGULPL01????????

Additional Information

- 1. Number of axles: 2 and wheels: 2
3. Wheel base (mm): 1495
6.1. Length (mm): 2195
7.1. Width (mm): 870
8. Height (mm): 1405
12.1. Mass of vehicle (with body work) in running order (kg): 261
12.2. Unladen mass of the vehicle (kg): 244
14.1. Technically permissible maximum laden mass (kg): 478
14.28. Distribution of this mass among the axles:
axle 1 (kg): 178 axle 2 (kg): 300
14.29. Technically permissible mass on each axle:
axle 1 (kg): 178 axle 2 (kg): 300
30. Maximum mass of trailer:
(braked) (kg): /// (unbraked) (kg): ///
19.14. Maximum vertical load at the coupling point for a trailer (kg):
///
20. Engine manufacturer: MOTO GUZZI
21. Engine type marked on the engine: A1
34.2. Engine number: ?
35. Working principle: SPARK IGNITION , FOUR STROKE
23. Number and arrangement of cylinders: 2 - V
24. Cylinder capacity (cm³): 877
25. Fuel: P
26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): 54,0 / 7650
26.14. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): 0,217
28. Gearbox (type): M
42. Gear ratios:
if M 1a 12,828 2a 9,756 3a 7,735 4a 6,401 5a 5,553 6a 4,947
if A Rt min /// Rt max ///
45. Tyre size designation:
Asse 1: 120/70 ZR17 (58W) Asse2: 180/55 ZR17 (73W)
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 50. Body: NO
57. Number and configuration of doors: ///
42.14. Number and position of seats: ///
43.14. Approval mark of coupling device, if fitted: ///
44. Maximum speed (km/h): 190
45. Sound level (dB(A)): 97/24/EC - 9
Stationary 88 at engine speed 3825 min⁻¹
Drive by: 80 dB(A)
46. Exhaust emissions: 97/24/EC / 2003/77/EC - B
Type I test (g/km): CO: 0,743 HC: 0,132
NOx: 0,084 HC+NOx: ///
Type II test (g/min): for mopeds: CO ///
HC: ///
for motorcycles and tricycles: CO: 0,1 % vol
Visible air pollution caused by an engine with compression ignition:
corrected value of absorption coefficient: /// m⁻¹
47. Fiscal power or national code number(s):
Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece:
Portugal:
Finland:
50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: *(see specimen of signature as attached)* hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **M**

Version: **00**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPM00??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Segnature *(see specimen of signature as attached)*

Position: *(see specimen of signature as attached)*

Certificate of conformity Nr:

Frame Nr: **ZGULPM00??????????**

Additional Information

1. Number of axles: **2** and wheels: **2**

3. Wheel base (mm): **1495**

6.1. Length (mm): **2195**

7.1. Width (mm): **820**

8. Height (mm): **1180**

12.1. Mass of vehicle (with body work) in running order (kg): **248**

12.2. Unladen mass of the vehicle (kg): **231**

14.1. Technically permissible maximum laden mass (kg): **478**

14.30. Distribution of this mass among the axles:

axle 1 (kg): **178** axle 2 (kg): **300**

14.31. Technically permissible mass on each axle:

axle 1 (kg): **178** axle 2 (kg): **300**

31. Maximum mass of trailer:

(braked) (kg): *///* (unbraked) (kg): *///*

19.15. Maximum vertical load at the coupling point for a trailer (kg): *///*

20. Engine manufacturer: **MOTO GUZZI**

21. Engine type marked on the engine: **A2**

35.2. Engine number: **?**

36. Working principle: **SPARK IGNITION , FOUR STROKE**

23. Number and arrangement of cylinders: **2 - V**

24. Cylinder capacity (cm³): **1151**

25. Fuel: **P**

26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**

26.15. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**

28. Gearbox (type): **M**

43. Gear ratios:

if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**

if A Rt min *///* Rt max *///*

46. Tyre size designation:

Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**

- alternative 1: - alternative 1:

- alternative 2: - alternative 2:

- alternative 3: - alternative 3:

- alternative 4: - alternative 4:

51. Body: **NO**

58. Number and configuration of doors: *///*

42.15. Number and position of seats: *///*

43.15. Approval mark of coupling device, if fitted: *///*

44. Maximum speed (km/h): **215**

45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **88** at engine speed **3625** min⁻¹

Drive by: **80** dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **1,011** HC: **0,178**

NOx: **0,018** HC+NOx: *///*

Type II test (g/min): for mopeds: CO *///*

HC: *///*

for motorcycles and tricycles: CO: **0,01** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: *///* m⁻¹

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece :

Portugal :

Finland :

52. Remarks:

52. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**

hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **M**

Version: **00**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, chapter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPM00??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Signature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPM00??????????**

Additional Information

1. Number of axles: **2** and wheels: **2**

3. Wheel base (mm): **1495**

6.1. Length (mm): **2195**

7.1. Width (mm): **820**

8. Height (mm): **1180**

12.1. Mass of vehicle (with body work) in running order (kg): **248**

12.2. Unladen mass of the vehicle (kg): **231**

14.1. Technically permissible maximum laden mass (kg): **478**

14.32. Distribution of this mass among the axles:

axle 1 (kg): **178** axle 2 (kg): **300**

14.33. Technically permissible mass on each axle:

axle 1 (kg): **178** axle 2 (kg): **300**

32. Maximum mass of trailer:

(braked) (kg): **///** (unbraked) (kg): **///**

19.16. Maximum vertical load at the coupling point for a trailer (kg): **///**

20. Engine manufacturer: **MOTO GUZZI**

21. Engine type marked on the engine: **A2**

36.2. Engine number: **?**

37. Working principle: **SPARK IGNITION , FOUR STROKE**

23. Number and arrangement of cylinders: **2 - V**

24. Cylinder capacity (cm³): **1151**

25. Fuel: **P**

26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**

26.16. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**

28. Gearbox (type): **M**

44. Gear ratios:

if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**

if A Rt min **///** Rt max **///**

47. Tyre size designation:

Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**

- alternative 1: - alternative 1:

- alternative 2: - alternative 2:

- alternative 3: - alternative 3:

- alternative 4: - alternative 4:

52. Body: **NO**

59. Number and configuration of doors: **///**

42.16. Number and position of seats: **///**

43.16. Approval mark of coupling device, if fitted: **///**

44. Maximum speed (km/h): **215**

45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **86** at engine speed **3625** min⁻¹

Drive by: **79** dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **0,865** HC: **0,167**

NOx: **0,095** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**

HC: **///**

for motorcycles and tricycles: CO: **0,07** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece:

Portugal:

Finland:

50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**

hereby certifies that the following vehicle:

0.1. Make: **MOTO GUZZI**

0.2. Type: **LP**

Variant: **M**

Version: **01**

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

0.4. Vehicle category: **L3e**

0.4.1. Vehicle category according to Directive 97/24/EC, charter 7 (if applicable): **D**

0.5. Name and address of the manufacturer:

MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy

0.6. Location of the statutory plate:

L, X 275, Y 535, Z 25

Vehicle identification number:

ZGULPM01??????????

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

R, X 275, Y 535, Z 25

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

- EC type-approval number: **e11*2002/24*0152**

- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPM01??????????**

Additional Information

- 1. Number of axles: **2** and wheels: **2**
- 3. Wheel base (mm): **1495**
- 6.1. Length (mm): **2195**
- 7.1. Width (mm): **820**
- 8. Height (mm): **1180**
- 12.1. Mass of vehicle (with body work) in running order (kg): **248**
- 12.2. Unladen mass of the vehicle (kg): **231**
- 14.1. Technically permissible maximum laden mass (kg): **478**
- 14.34. Distribution of this mass among the axles:
axle 1 (kg): **178** axle 2 (kg): **300**
- 14.35. Technically permissible mass on each axle:
axle 1 (kg): **178** axle 2 (kg): **300**
- 33. Maximum mass of trailer:
(braked) (kg): **///** (unbraked) (kg): **///**
- 19.17. Maximum vertical load at the coupling point for a trailer (kg):
///
- 20. Engine manufacturer: **MOTO GUZZI**
- 21. Engine type marked on the engine: **A2**
- 37.2. Engine number: **?**
- 38. Working principle: **SPARK IGNITION , FOUR STROKE**
- 23. Number and arrangement of cylinders: **2 - V**
- 24. Cylinder capacity (cm³): **1151**
- 25. Fuel: **P**
- 26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**
- 26.17. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**
- 28. Gearbox (type): **M**
- 45. Gear ratios:
if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**
if A Rt min **///** Rt max **///**
- 48. Tyre size designation:
Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 53. Body: **NO**
- 60. Number and configuration of doors: **///**
- 42.17. Number and position of seats: **///**
- 43.17 Approval mark of coupling device, if fitted: **///**
- 44. Maximum speed (km/h): **215**
- 45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **88** at engine speed **3625** min⁻¹

Drive by: **80** dB(A)

46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **1,011** HC: **0,178**

NOx: **0,018** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**

HC: **///**

for motorcycles and tricycles: CO: **0,01** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

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

Italy: France:

Belgium: Germany:

Denmark: Netherlands:

United Kingdom: Ireland:

Austria: Sweden:

Spain:

Luxembourg:

Greece:

Portugal:

Finland:

50. Remarks:

51. Exemptions:



EC CERTIFICATE OF CONFORMITY

The undersigned: **(see specimen of signature as attached)**
hereby certifies that the following vehicle:

- 0.1. Make: **MOTO GUZZI**
- 0.2. Type: **LP**
Variant: **M**
Version: **01**
- 0.2.1. Commercial name(s) (where appropriate): **///**
- 0.4. Vehicle category: **L3e**
- 0.4.1. Vehicle category according to Directive 97/24/EC, charter 7 (if applicable): **D**
- 0.5. Name and address of the manufacturer:
MOTO GUZZI – E.V. Parodi 57 – 23826 Mandello del Lario (LC) Italy
- 0.6. Location of the statutory plate:
L, X 275, Y 535, Z 25
Vehicle identification number:
ZGULPM01????????
- 0.7. Location of the vehicle identification number of the chassis:
R, X 275, Y 535, Z 25

conforms in all respects to the type described in EC type approval
- EC type-approval number: **e11*2002/24*0152**
- dated:

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

Place: **Mandello del Lario** data:

Segnature **(see specimen of signature as attached)**

Position: **(see specimen of signature as attached)**

Certificate of conformity Nr:

Frame Nr: **ZGULPM01????????**

Additional Information

- 1. Number of axles: **2** and wheels: **2**
- 3. Wheel base (mm): **1495**
- 6.1. Length (mm): **2195**
- 7.1. Width (mm): **820**
- 8. Height (mm): **1180**
- 12.1. Mass of vehicle (with body work) in running order (kg): **248**
- 12.2. Unladen mass of the vehicle (kg): **231**
- 14.1. Technically permissible maximum laden mass (kg): **478**
- 14.36. Distribution of this mass among the axles:
axle 1 (kg): **178** axle 2 (kg): **300**
- 14.37. Technically permissible mass on each axle:
axle 1 (kg): **178** axle 2 (kg): **300**
- 34. Maximum mass of trailer:
(braked) (kg): **///** (unbraked) (kg): **///**
- 19.18. Maximum vertical load at the coupling point for a trailer (kg):
///
- 20. Engine manufacturer: **MOTO GUZZI**
- 21. Engine type marked on the engine: **A2**
- 38.2. Engine number: **?**
- 39. Working principle: **SPARK IGNITION , FOUR STROKE**
- 23. Number and arrangement of cylinders: **2 - V**
- 24. Cylinder capacity (cm³): **1151**
- 25. Fuel: **P**
- 26. Maximum net power or maximum continuous rated power as applicable (kW / min⁻¹): **68,0 / 7250**
- 26.18. Ratio: maximum net power or maximum continuous rated power / mass of the vehicle in running order (kW / kg): **0,274**
- 28. Gearbox (type): **M**
- 46. Gear ratios:
if M 1a **11,952** 2a **9,090** 3a **7,207** 4a **5,964** 5a **5,174** 6a **4,609**
if A Rt min **///** Rt max **///**
- 49. Tyre size designation:
Asse 1: **120/70 ZR17 (58W)** Asse2: **180/55 ZR17 (73W)**
- alternative 1:
- alternative 2:
- alternative 3:
- alternative 4:

- 54. Body: **NO**
- 61. Number and configuration of doors: **///**
- 42.18. Number and position of seats: **///**
- 43.18. Approval mark of coupling device, if fitted: **///**
- 44. Maximum speed (km/h): **215**
- 45. Sound level (dB(A)): **97/24/EC - 9**

Stationary **86** at engine speed **3625** min⁻¹
Drive by: **79** dB(A)

- 46. Exhaust emissions: **97/24/EC / 2003/77/EC - B**

Type I test (g/km): CO: **0,865** HC: **0,167**
NOx: **0,095** HC+NOx: **///**

Type II test (g/min): for mopeds: CO **///**
HC: **///**

for motorcycles and tricycles: CO: **0,07** % vol

Visible air pollution caused by an engine with compression ignition:

corrected value of absorption coefficient: **///** m⁻¹

- 47. Fiscal power or national code number(s):
Italy: France:
Belgium: Germany:
Denmark: Netherlands:
United Kingdom: Ireland:
Austria: Sweden:
Spain:
Luxembourg:
Greece:
Portugal:
Finland:

- 50. Remarks:

- 51. Exemptions:





VEHICLE TYPE:

LP

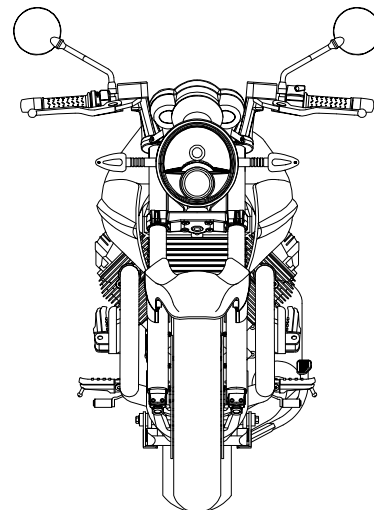
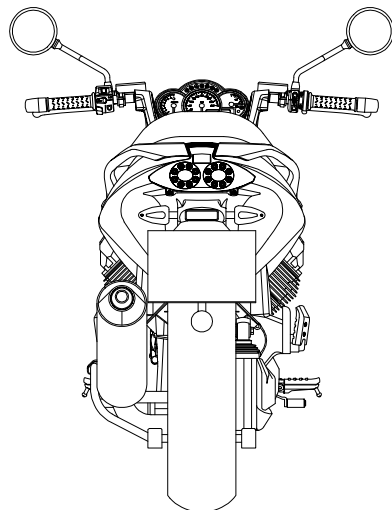
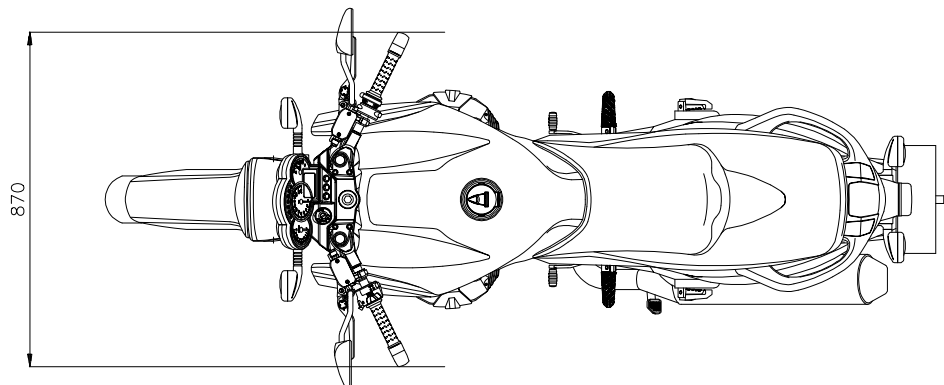
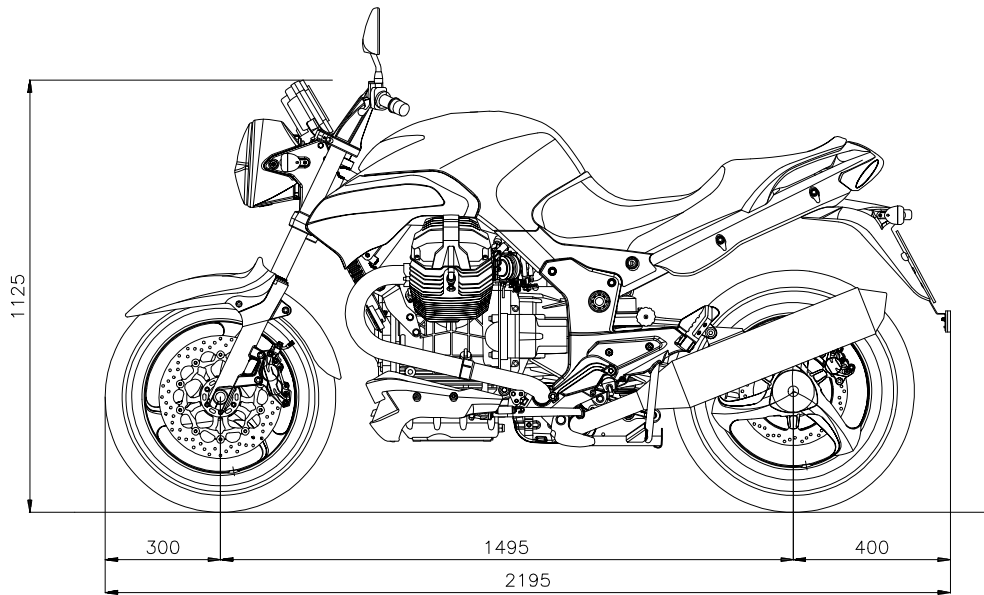
COMPLETE VEHICLE
VISTA COMPLESSIVA DEL
VEICOLO

A1.0

1.1 / 1.2 / B.1.1.4 /
B.1.4.2

VARIANT / VERSION : O/??, A/??, B/??
E/??, G/??

GENERAL TOLERANCE : ± 10





VEHICLE TYPE:

LP

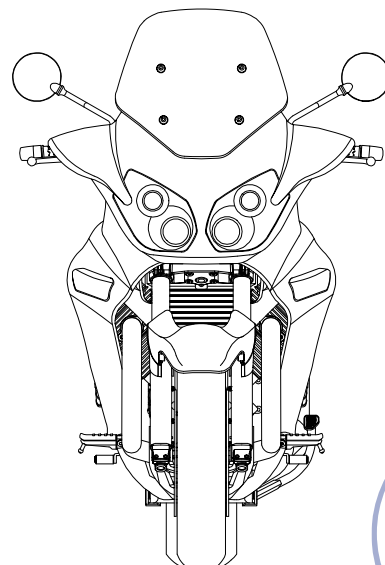
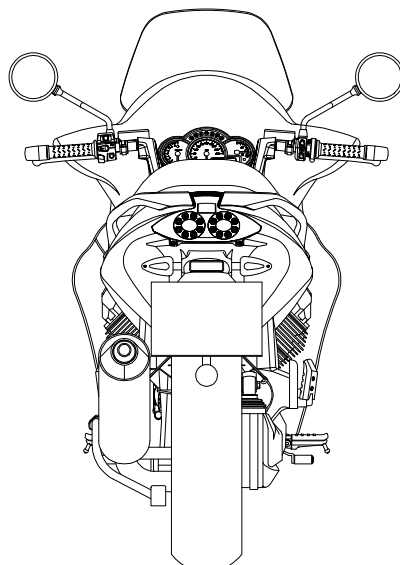
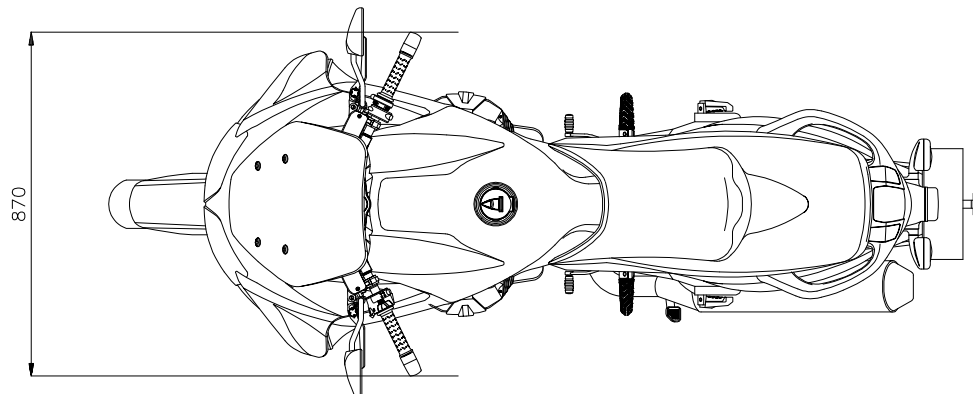
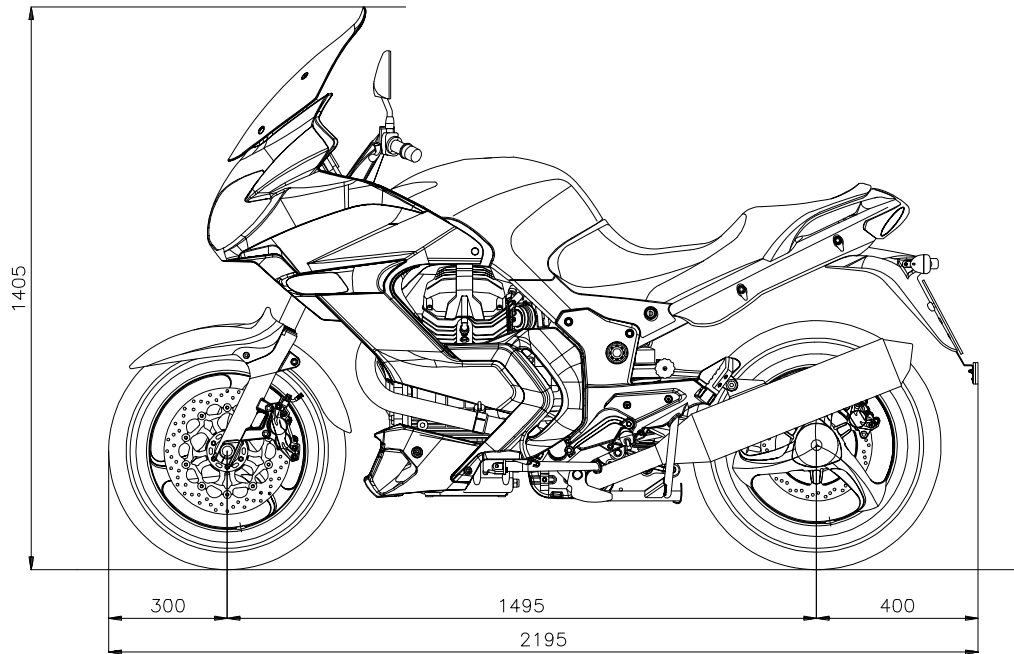
COMPLETE VEHICLE
VISTA COMPLESSIVA DEL
VEICOLO

A1.1

1.1 / 1.2 / B.1.1.4 /
B.1.4.2

VARIANT / VERSION : H/??, L/??

GENERAL TOLERANCE : ± 10





VEHICLE TYPE:

LP

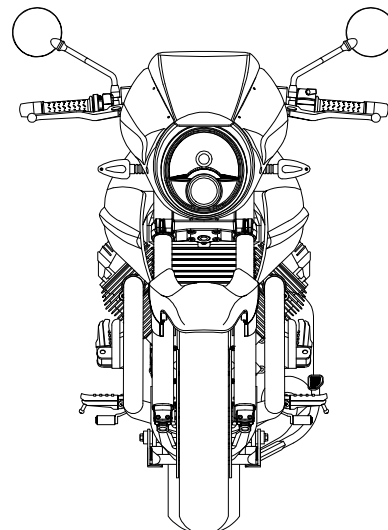
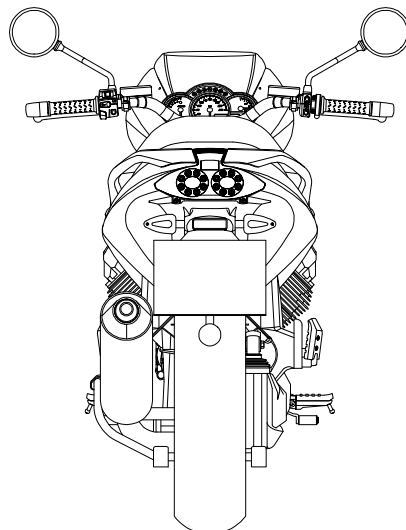
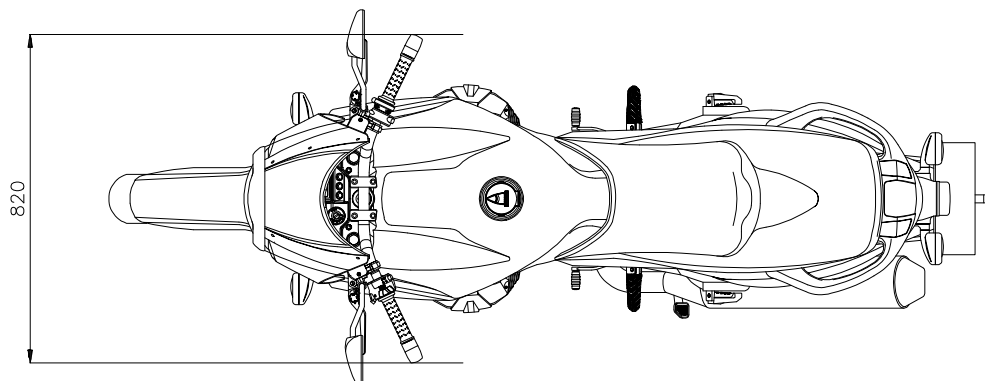
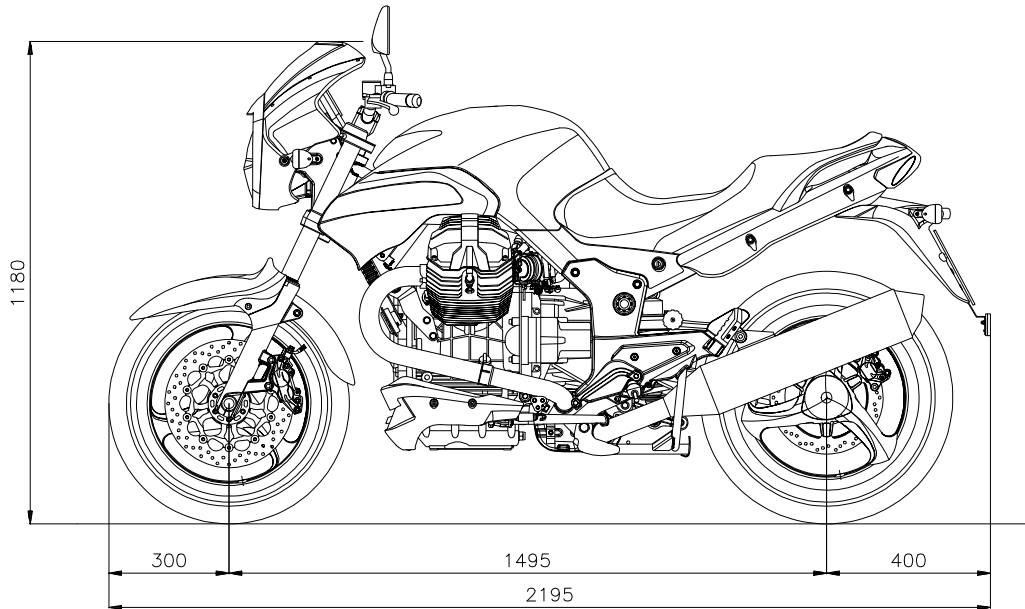
COMPLETE VEHICLE
VISTA COMPLESSIVA DEL
VEICOLO

A1.2

1.1 / 1.2 / B.1.1.4 /
B.1.4.2

VARIANT / VERSION : M/??

GENERAL TOLERANCE : ± 10





VEHICLE TYPE:

LP

COMPLETE VEHICLE
VISTA COMPLESSIVA DEL
VEICOLO

A1.3

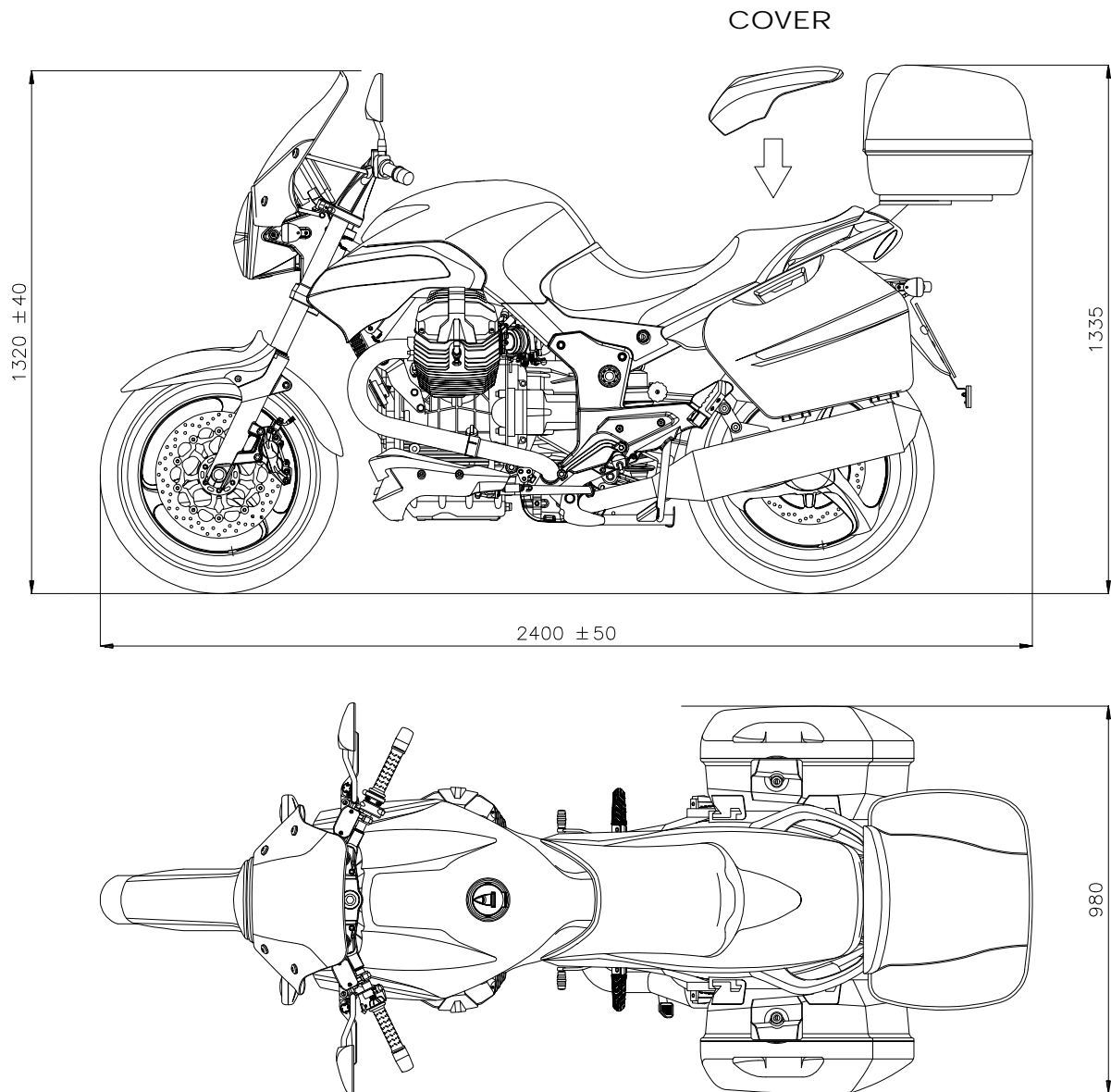
1.1 / 1.2 / B.1.1.4 /
B.1.4.2

VARIANT / VERSION : O/???, A/???, B/???,
E/???, G/???

GENERAL TOLERANCE : ± 10

configuration with additional equipment
(optional accessories)

Note : windshield and rear top case with adjustable position





VEHICLE TYPE:

LP

COMPLETE VEHICLE
VISTA COMPLESSIVA DEL
VEICOLO

A1.4

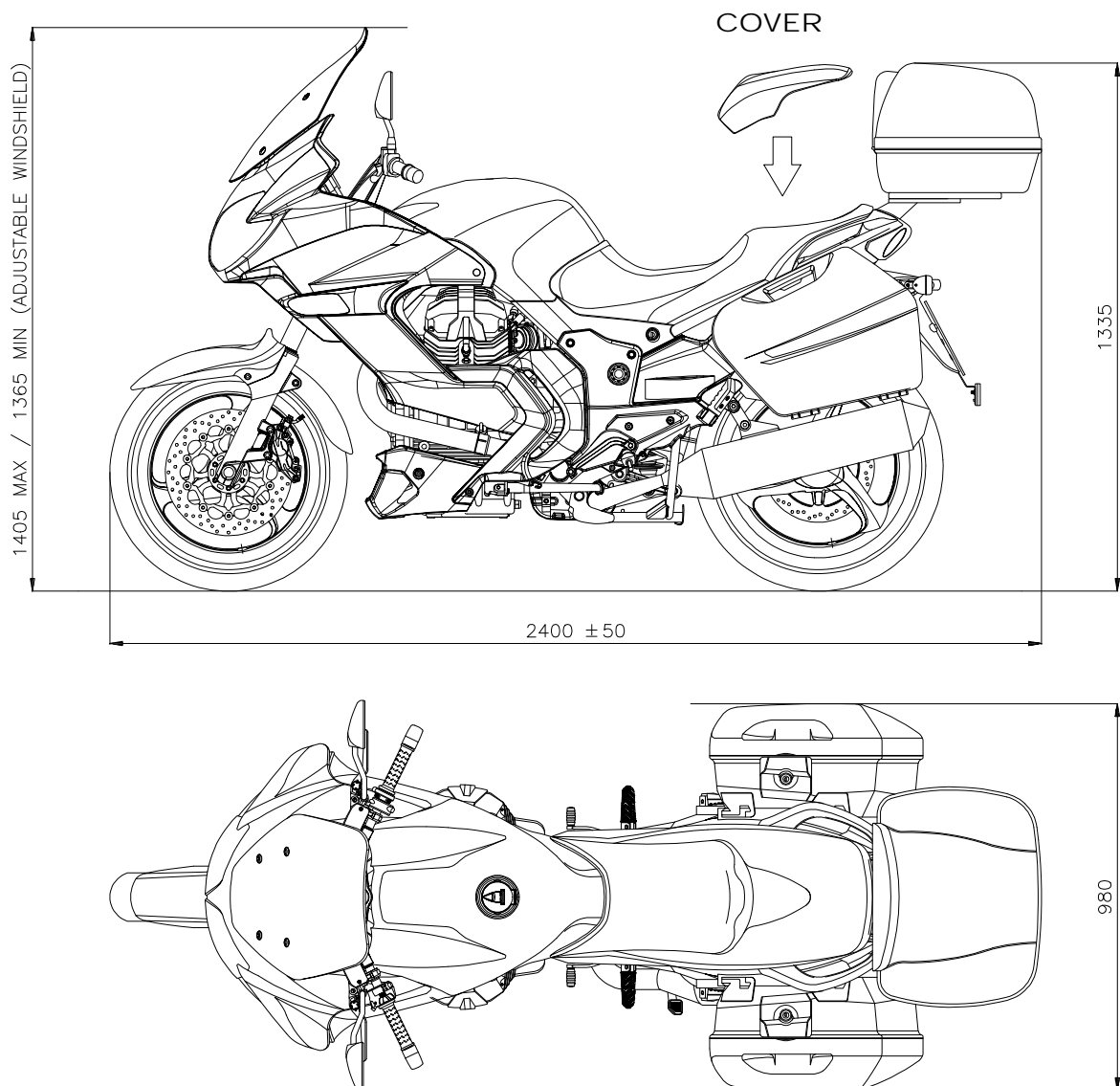
1.1 / 1.2 / B.1.1.4 /
B.1.4.2

VARIANT / VERSION : H/??, L/??

GENERAL TOLERANCE : ± 10

configuration with additional equipment
(optional accessories)

Note : windshield and rear top case with adjustable position





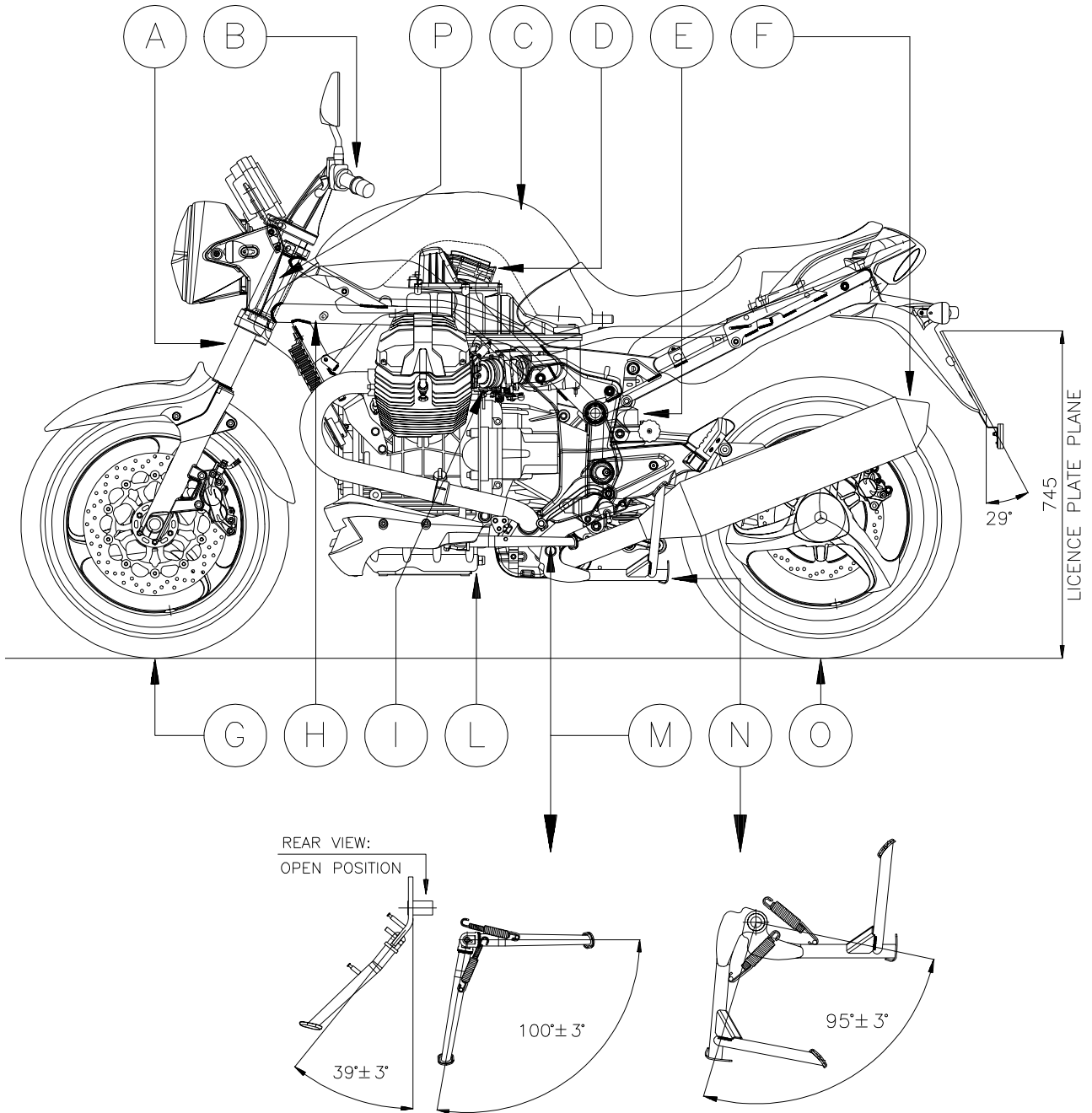
VEHICLE TYPE:
LP

VEHICLE GENERAL SCHEME
SCHEMA GENERALE DEL
VEICOLO

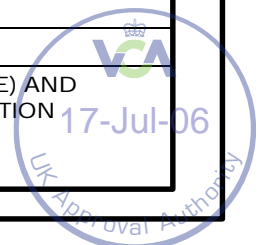
A2.0

0.3.1 / 0.7 / 1.4 / 3.2.3.3
/ 9.3.1 / 9.6 / B.1.2.2

GENERAL TOLERANCE : ±10



POS.	DESCRIPTION	POS.	DESCRIPTION
A	FRONT SUSPENSION	I	THROTTLE BODY
B	HANDLEBAR	L	ENGINE
C	FUEL TANK	M	PROP STAND
D	INLET SILENCER	N	CENTRAL STAND
E	REAR SUSPENSION	O	REAR WHEEL
F	EXHAUST SYSTEM	P	FRAME MARKING (RIGHT SIDE) AND MANUFACTURER PLATE POSITION (LEFT SIDE)
G	FRONT WHEEL		
H	FRAME		





VEHICLE TYPE:

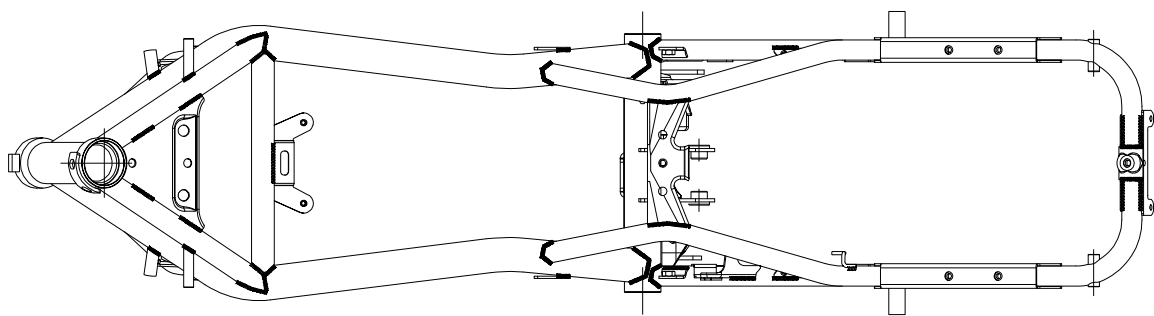
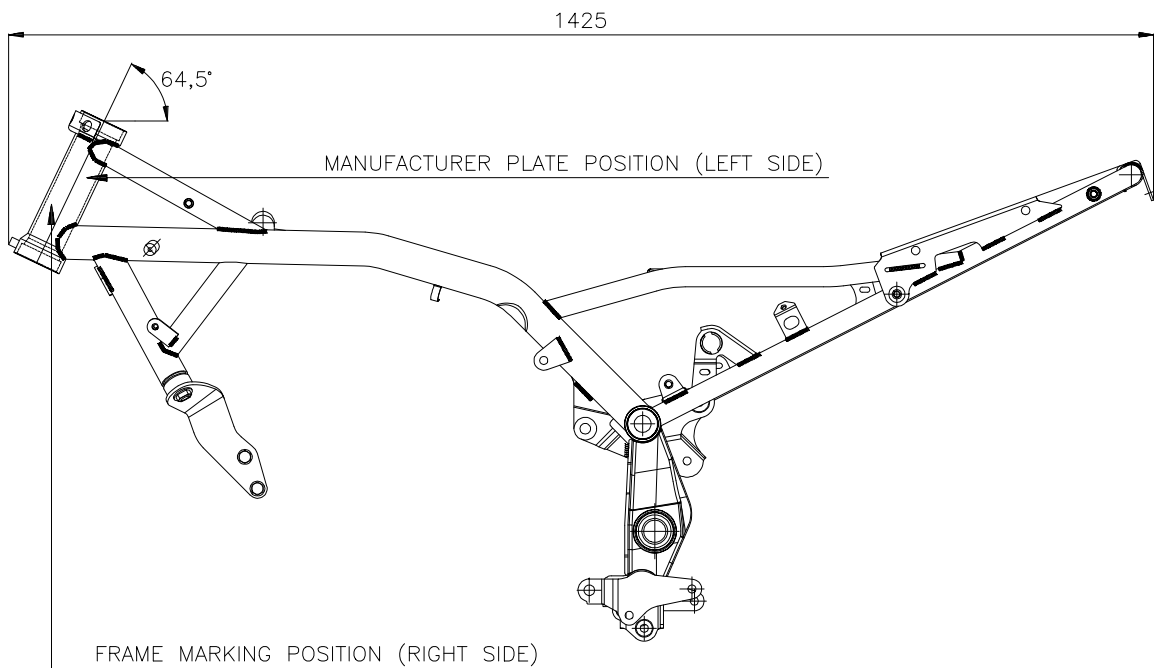
LP

FRAME
TELAIO

A3.0

0.3.1/0.7/9.3.1

GENERAL TOLERANCE : ± 10





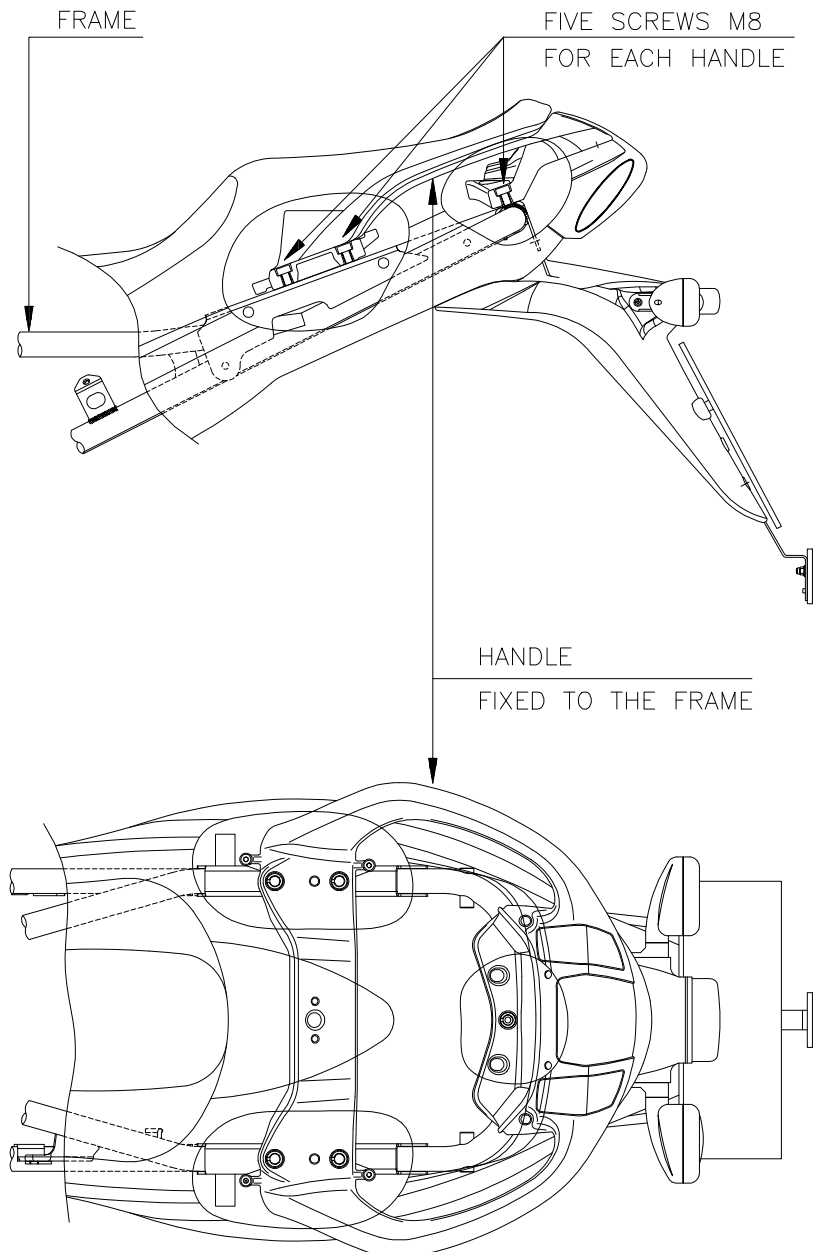
VEHICLE TYPE:

LP

HAND-HOLD FOR PASSENGER
DISPOSITIVO DI RITENUTA PER
PASSEGGERO

A4.0

B.1.4.2





VEHICLE TYPE:

LP

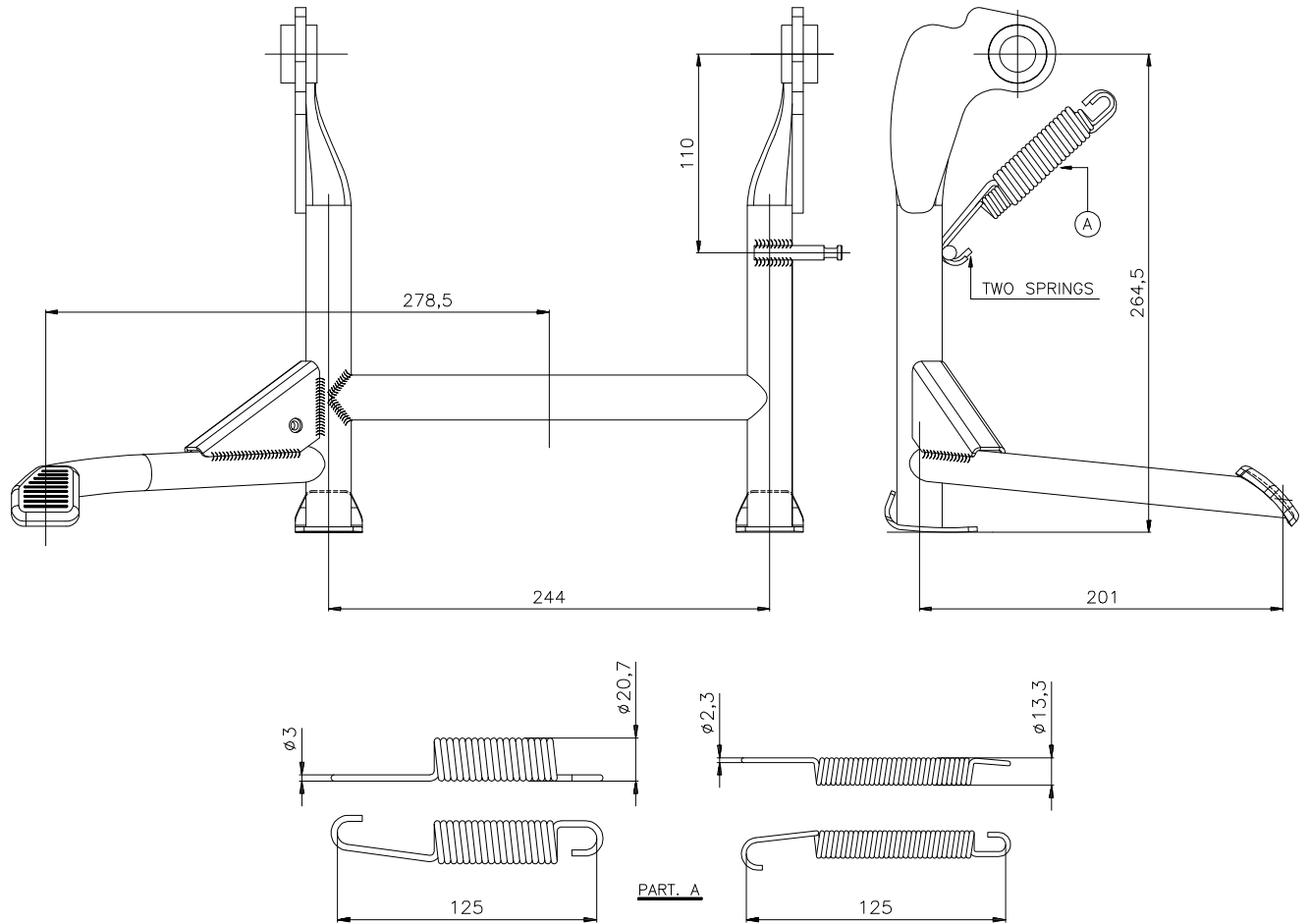
STAND
CAVALLETTO

A5.0

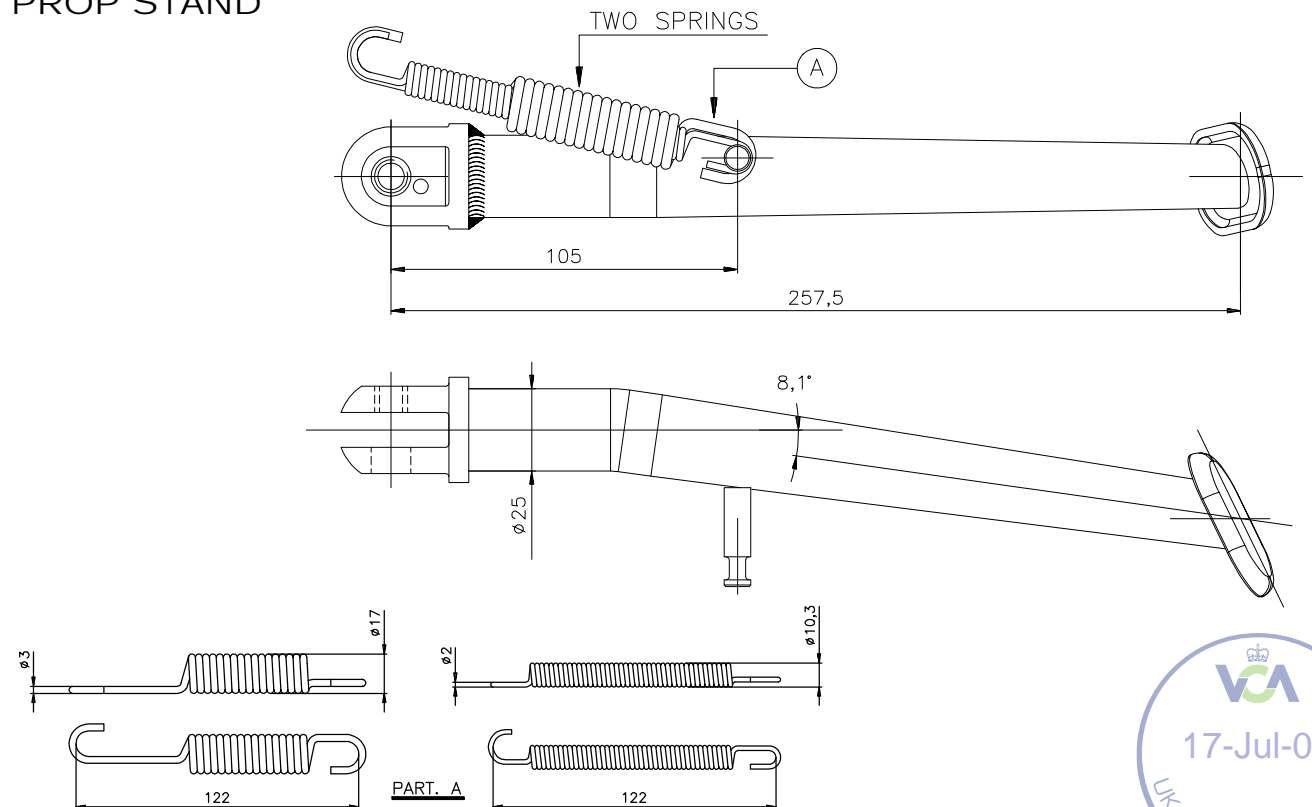
B.1.2.2

GENERAL TOLERANCE : ± 1

CENTRAL STAND



PROP STAND





VEHICLE TYPE:

LP

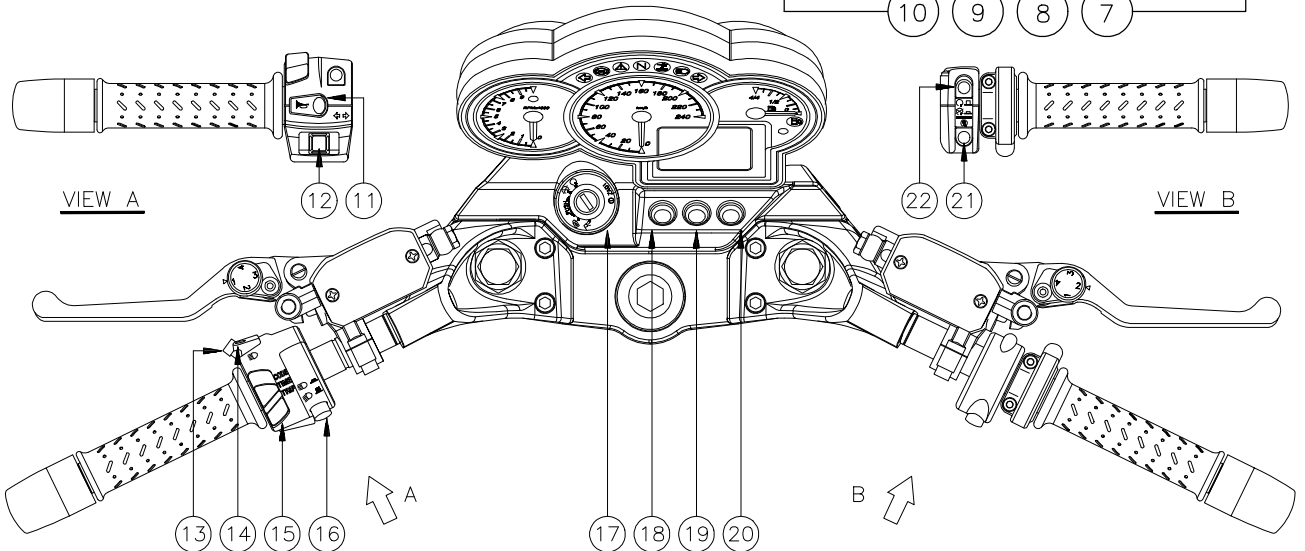
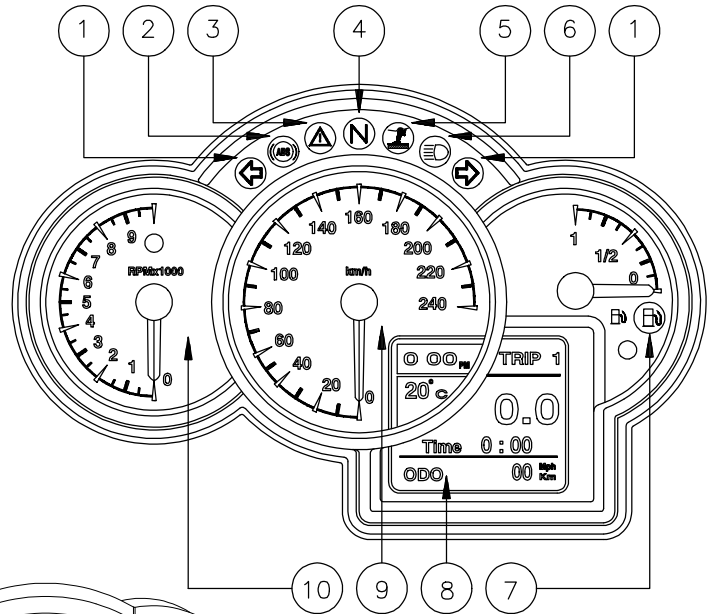
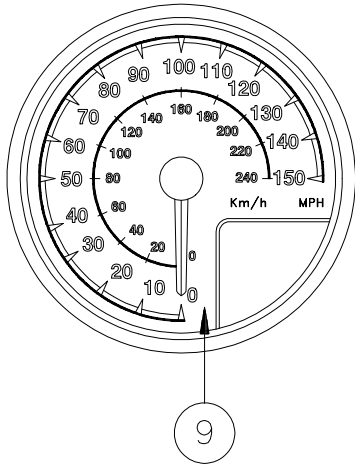
DASHBOARD
PLANCIA COMANDI

A6.0

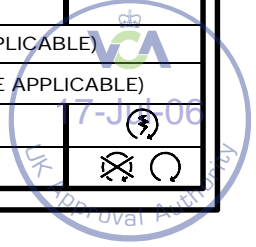
4.7.3 / 9.2.1

VARIANT / VERSION : O/??, A/??, B/??
E/??, G/??, M/??

as alternative (range of speeds)



N°	DESCRIPTION	SYMBOL	N°	DESCRIPTION	SYMBOL
1	TURN INDICATORS TELLTALE	↔↔		ENGINE FUEL CONSUMPTION	
2	ABS TELLTALE (WHERE APPLICABLE)	(ABS)		CHRONOMETER WITH MEMORIES	
3	WARNING TELLTALE (VEHICLE MAINTENCE)	⚠	9	SPEEDOMETER	
4	NEUTRAL GEAR TELLTALE	N	10	RPM INDICATOR	
5	PROP TELLTALE	🛞	11	HORN SWITCH	🔊
6	HIGH BEAM TELLTALE	☞	12	TURN INDICATORS SWITCH	↔↔
7	FUEL LEVEL INDICATOR TELLTALE	🛢	13	MODE BUTTOM DISPLAY	
8	MULTI - FUNCTION DIGITAL DISPLAY WITH:		14	PASSING SWITCH	☞
	ODOMETER PARTIAL / TOTAL / TRIP		15	TRIP1 / TRIP2 / MODE SWITCH	
	DIGITAL CLOCK		16	HIGH / LOW BEAM SWITCH	☞ ☞
	AIR TEMPERATURE		17	IGNITION SWITCH AND STEERING LOCK	
	FUEL RESERVE CONSUMPTION	🛢	18	HAZARD WARNING BUTTON	
	BATTERY VOLTAGE	🔋	19	ABS SELECTION BUTTON (WHERE APPLICABLE)	
	SERVICE ROUTINE MAINTENANCE	🔧	20	HAND GRIP HEATING BUTTON (WHERE APPLICABLE)	
	SPEEDOMETER		21	ENGINE START SWITCH	🔌
	(INSTANTANEUOS AND AVERAGE SPEED)		22	ENGINE STOP SWITCH	🛑





VEHICLE TYPE:

LP

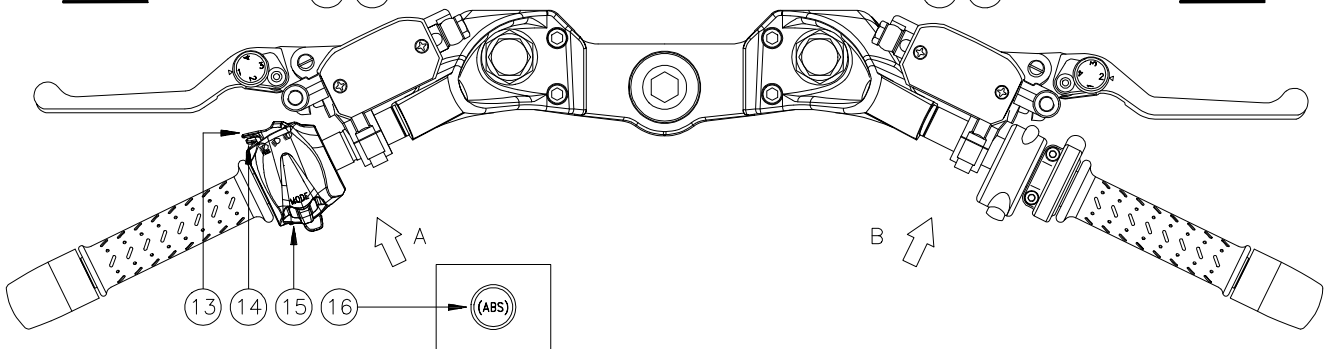
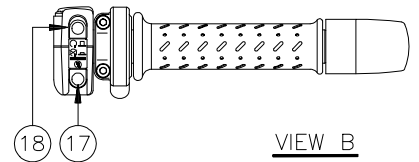
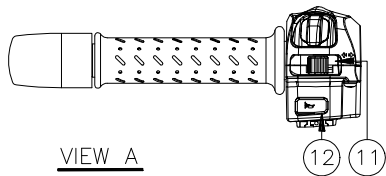
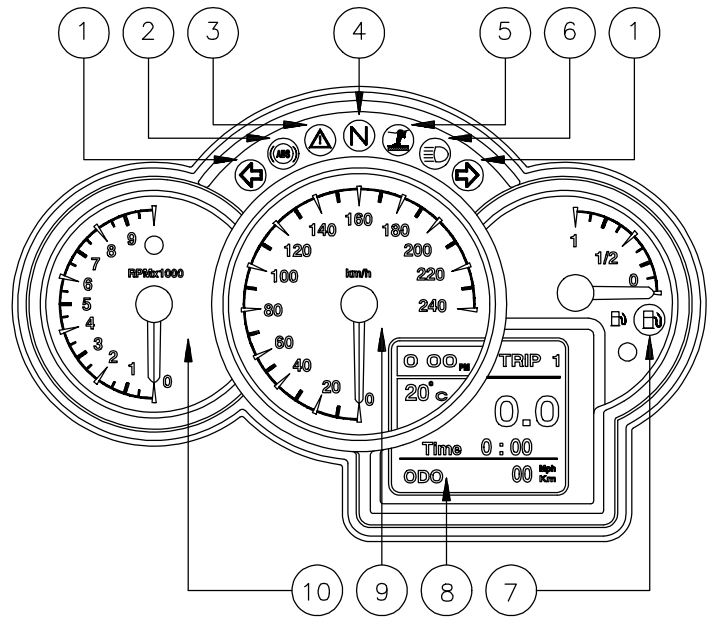
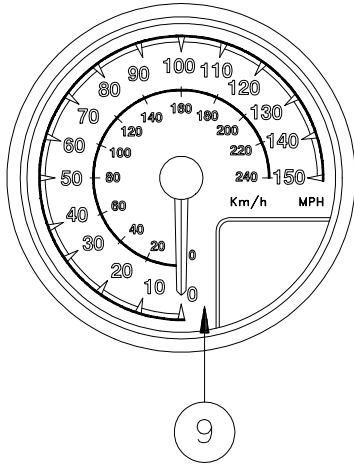
DASHBOARD
PLANCIA COMANDI

A6.1

4.7.3 / 9.2.1

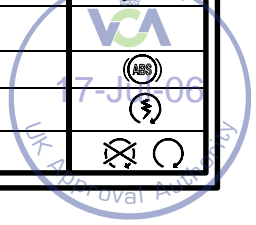
VARIANT / VERSION : H/??, L/??

as alternative (range of speeds)



(POSITIONED ON THE FAIRING, LEFT SIDE)

N°	DESCRIPTION	SYMBOL	N°	DESCRIPTION	SYMBOL
1	TURN INDICATORS TELLTALE	↔↔		SERVICE ROUTINE MAINTENANCE	
2	ABS TELLTALE	(ABS)		SPEEDOMETER	
3	WARNING TELLTALE (VEHICLE MAINTENCE)	⚠		(INSTANTANEUOS AND AVERAGE SPEED)	
4	NEUTRAL GEAR TELLTALE	N		ENGINE FUEL CONSUMPTION	
5	PROP TELLTALE			CHRONOMETER WITH MEMORIES	
6	HIGH BEAM TELLTALE		9	SPEEDOMETER	
7	FUEL LEVEL INDICATOR TELLTALE		10	RPM INDICATOR	
8	MULTI - FUNCTION DIGITAL DISPLAY WITH:		11	TURN INDICATORS SWITCH	↔↔
	ODOMETER PARTIAL / TOTAL / TRIP		12	HORN SWITCH	
	DIGITAL CLOCK		13	HAND GRIP HEATING BUTTON (WHERE APPLICABLE)	
	AIR TEMPERATURE		14	HIGH / LOW BEAM AND PASSING SWITCH	
	FUEL RESERVE CONSUMPTION		15	MODE BUTTOM DISPLAY SWITCH	
	BATTERY VOLTAGE		16	ON/OFF ABS SWITCH	(ABS)
	HEATED HANDGRIPS TELLTALE (WHERE APPLICABLE)		17	ENGINE START SWITCH	
			18	ENGINE STOP SWITCH	





VEHICLE TYPE:

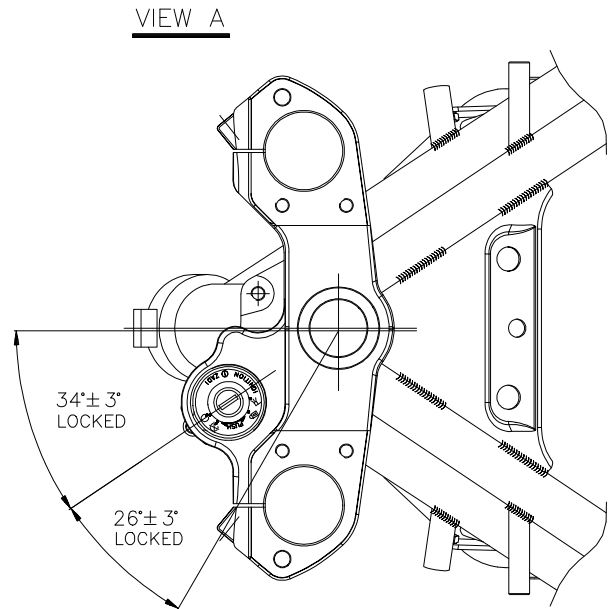
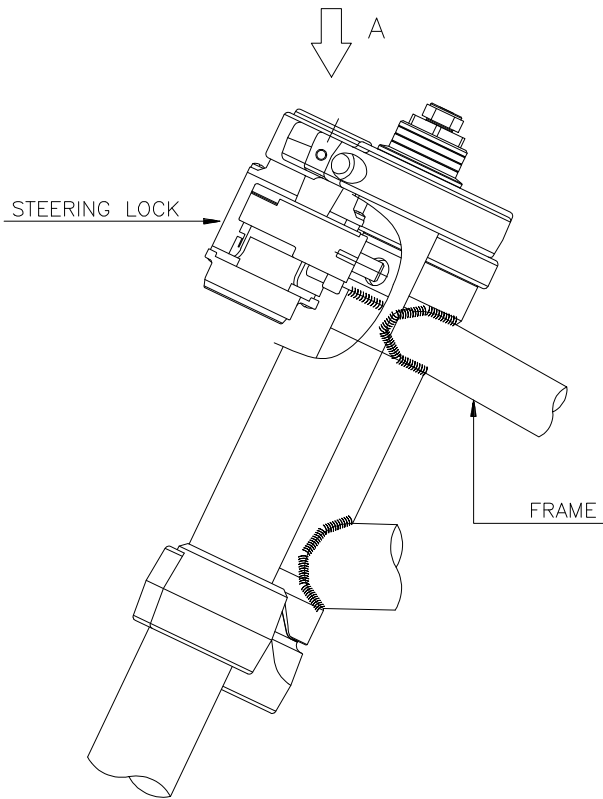
LP

STEERING LOCK
BLOCCASTERZO

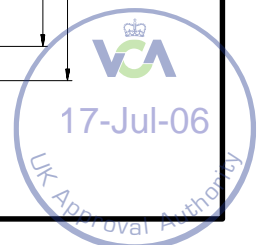
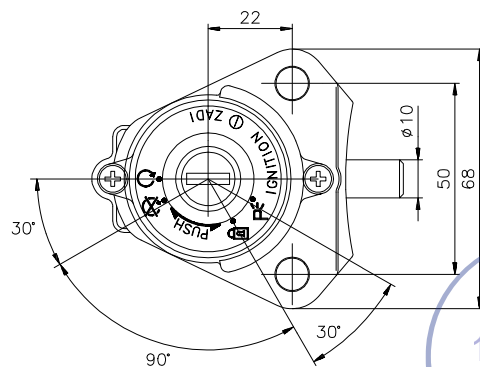
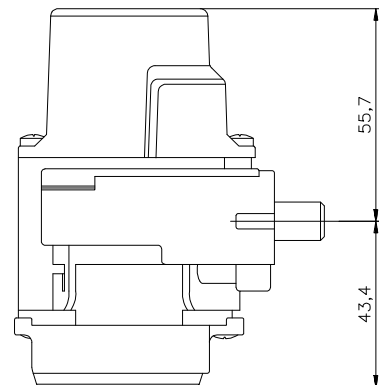
A7.0

9.4.2

steering lock fixed by two screws (one tearing screw or special screw)



Make	Type
ZADI	XCB 153





VEHICLE TYPE:

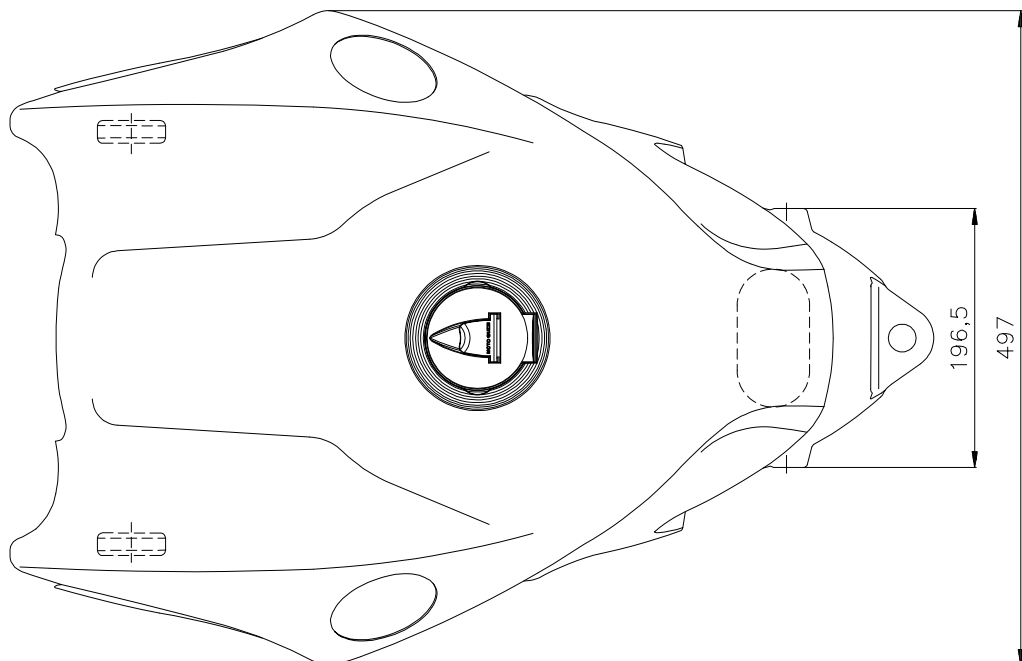
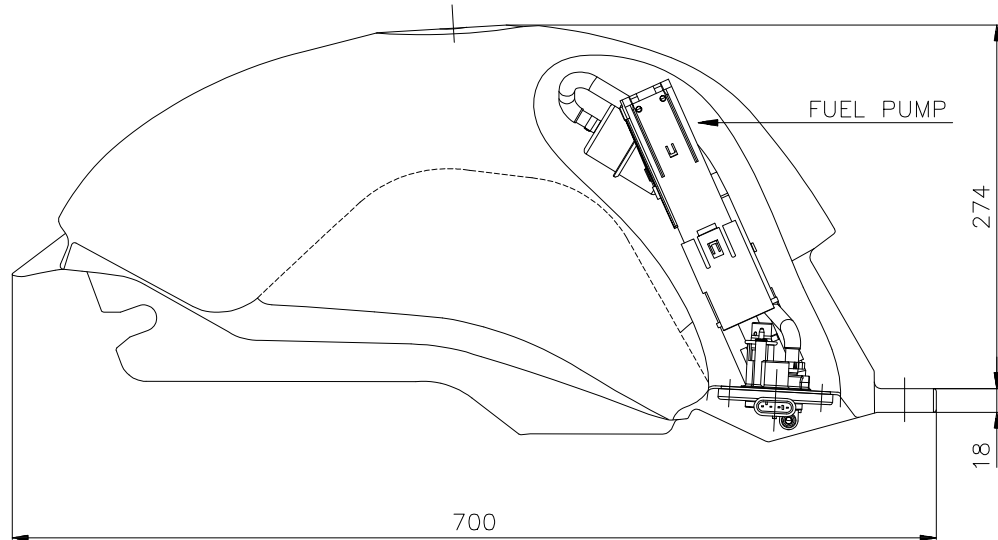
LP

FUEL TANK
SERBATOIO CARBURANTE

A8.0

3.2.3.2

GENERAL TOLERANCE : ± 5



Manufacturer	ACERBIS ITALIA S.p.a
Component type approval No.	e11*97/24*97/24/6/1*0460
Capacity	23 l \pm 0,5 l
Material	NYLON





VEHICLE TYPE:

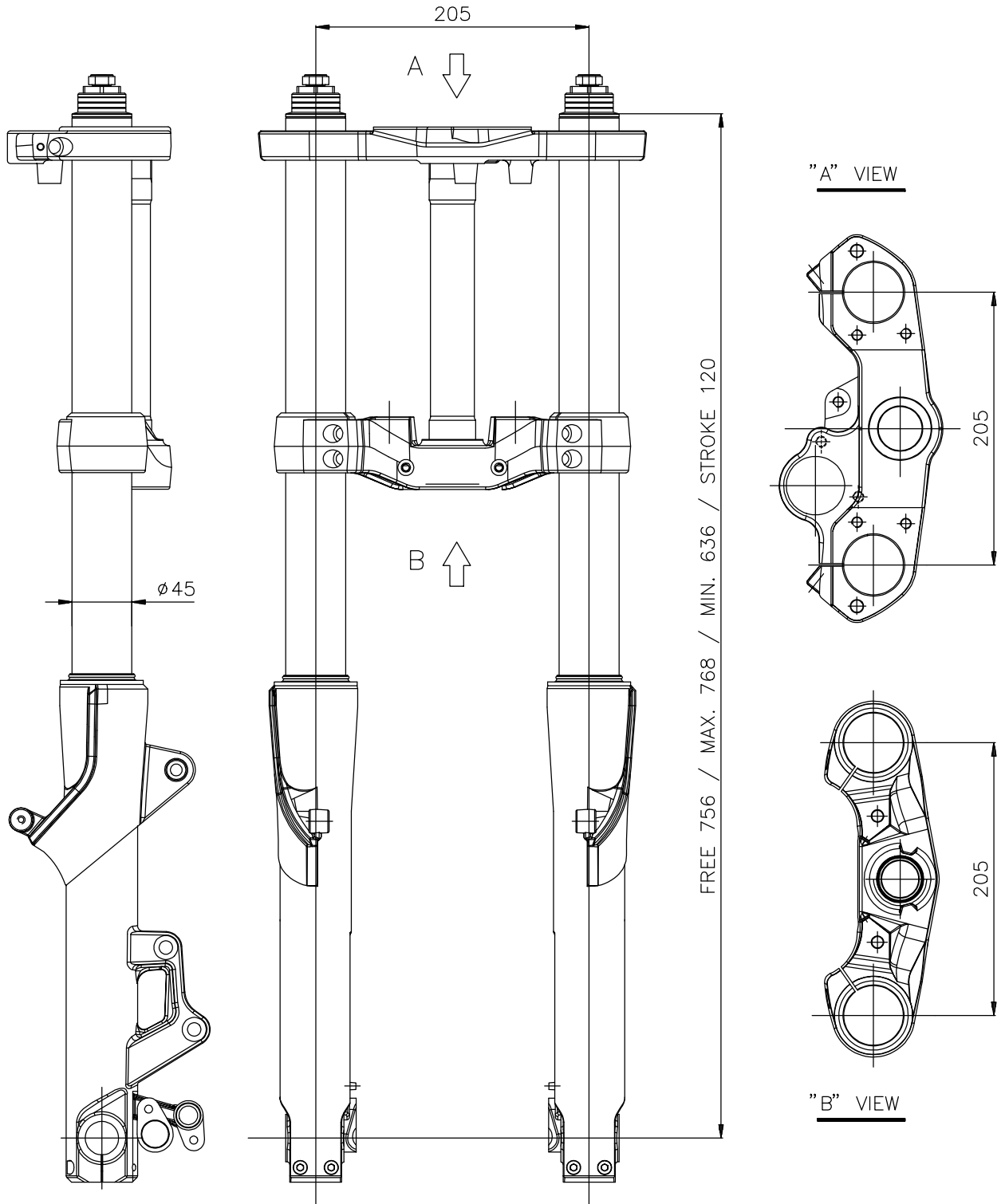
LP

FRONT FORK
FORCELLA

A9.0

5.1

GENERAL TOLERANCE : ± 1





VEHICLE TYPE:

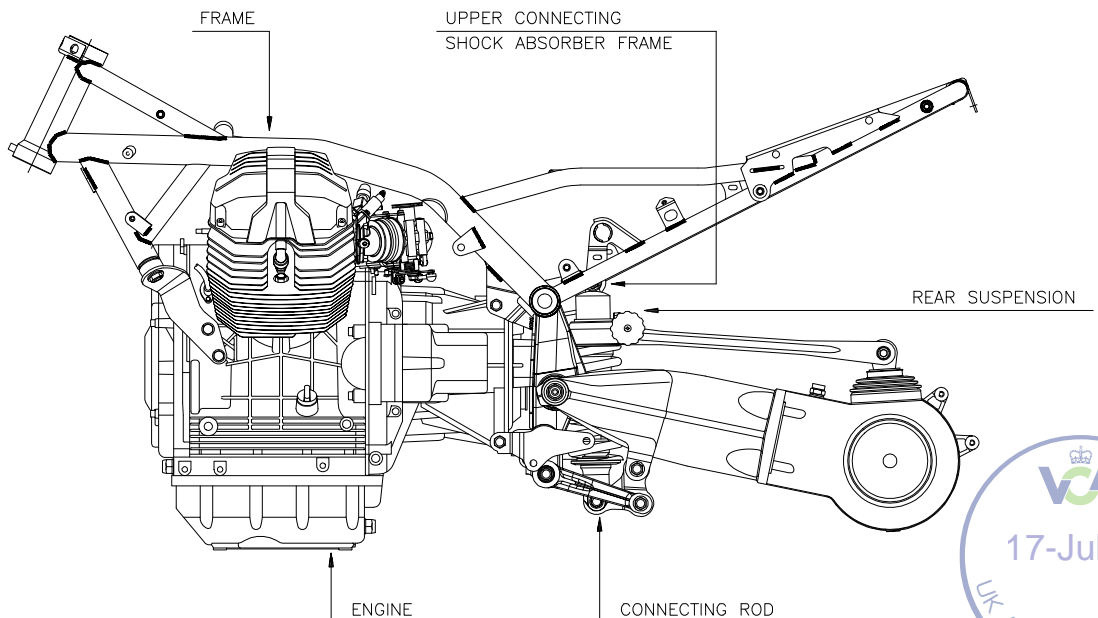
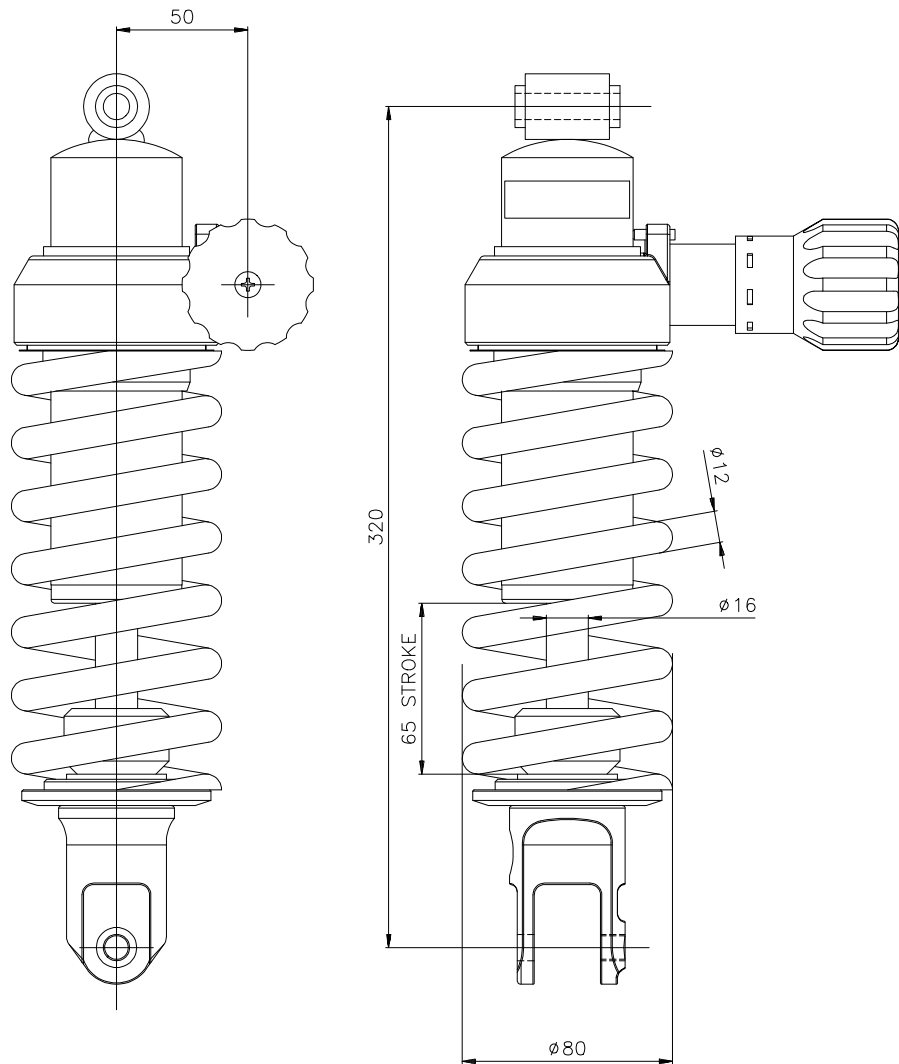
LP

REAR SHOCK ABSORBER
AMMORTIZZATORE
POSTERIORE

A10.0

5.1

GENERAL TOLERANCE : ± 1





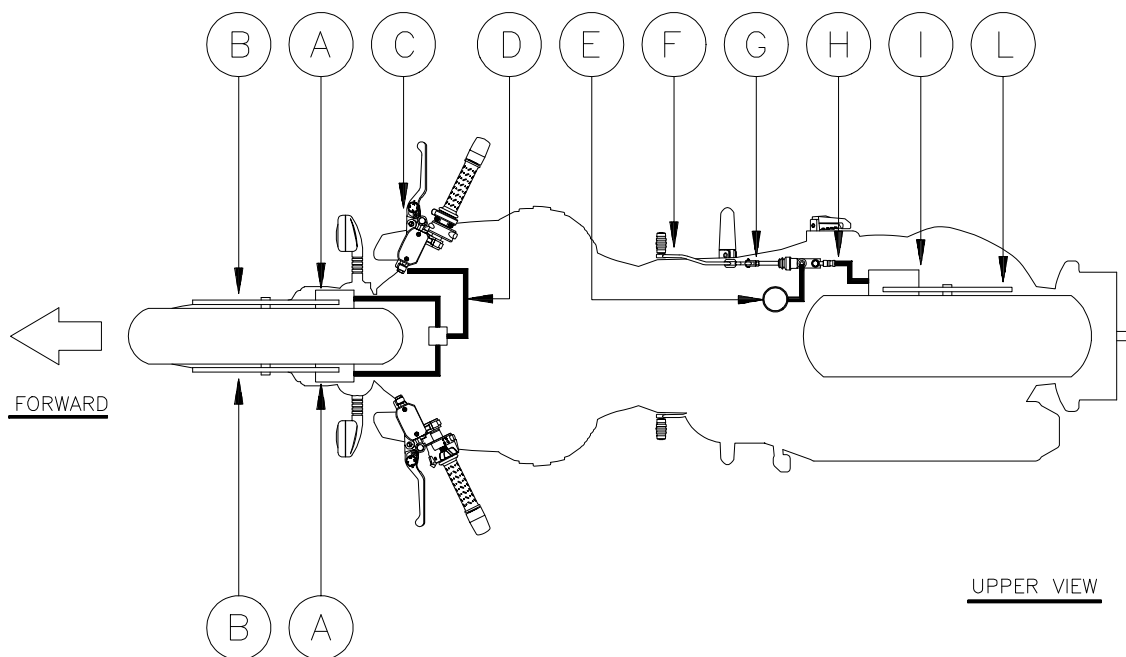
VEHICLE TYPE:

LP

BRAKING DEVICES SCHEME
SCHEMA INSTALLAZIONE
DISPOSITIVI DI FRENATURA

A11.0

7.1

VARIANT / VERSION : 0/00, B/00, G/00
H/00, L/00, M/00

POS.	DESCRIPTION
A	FRONT BRAKE CALIPER (ONE FOR EACH SIDE)
B	FRONT BRAKE DISK (ONE FOR EACH SIDE)
C	FRONT BRAKE PUMP WITH LEVER
D	FRONT BRAKE OIL PIPE
E	REAR BRAKE OIL SUPPLY TANK
F	REAR BRAKE LEVER
G	REAR BRAKE PUMP
H	REAR BRAKE OIL PIPE
I	REAR BRAKE CALIPER
L	REAR BRAKE DISK





VEHICLE TYPE:
LP

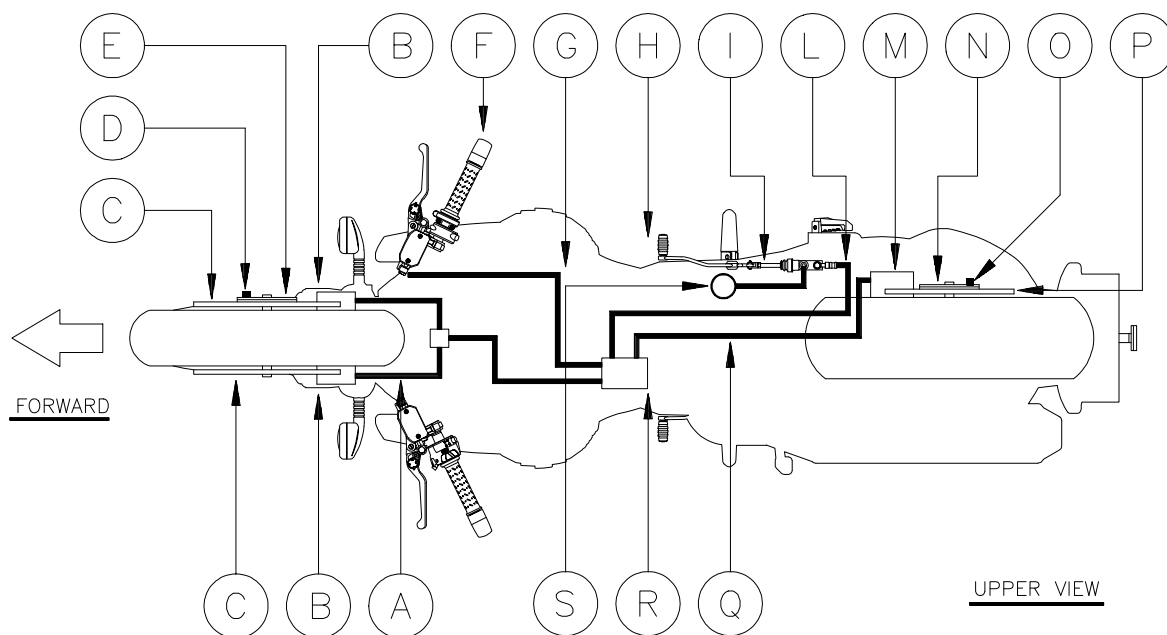
BRAKING DEVICES SCHEME
SCHEMA INSTALLAZIONE
DISPOSITIVI DI FRENATURA

A11.1

7.1

VARIANT / VERSION : A/00, E/00, G/01
H/01, L/01, M/01

antilock braking system configuration



UPPER VIEW

POS.	DESCRIPTION
A	FRONT BRAKE OIL PIPE (FROM ABS CONTROL UNIT TO FRONT BRAKE CALIPERS)
B	FRONT BRAKE CALIPER (ONE FOR EACH SIDE)
C	FRONT BRAKE DISK (ONE FOR EACH SIDE)
D	FRONT WHEEL SPEED SENSOR
E	PHONIC WHEEL ON FRONT WHEEL
F	FRONT BRAKE PUMP WITH LEVER
G	FRONT BRAKE OIL PIPE (FROM FRONT BRAKE PUMP TO ABS CONTROL UNIT)
H	REAR BRAKE LEVER
I	REAR BRAKE PUMP
L	REAR BRAKE OIL PIPE (FROM REAR BRAKE PUMP TO ABS CONTROL UNIT)
M	REAR BRAKE CALIPER
N	PHONIC WHEEL
O	REAR WHEEL SPEED SENSOR
P	REAR BRAKE DISK
Q	REAR BRAKE OIL PIPE (FROM ABS CONTROL UNIT TO REAR CALIPER)
R	ABS CONTROL UNIT
S	REAR BRAKE OIL SUPPLY TANK





VEHICLE TYPE:

LP

FRONT BRAKING SYSTEM
IMPIANTO FRENANTE
ANTERIORE

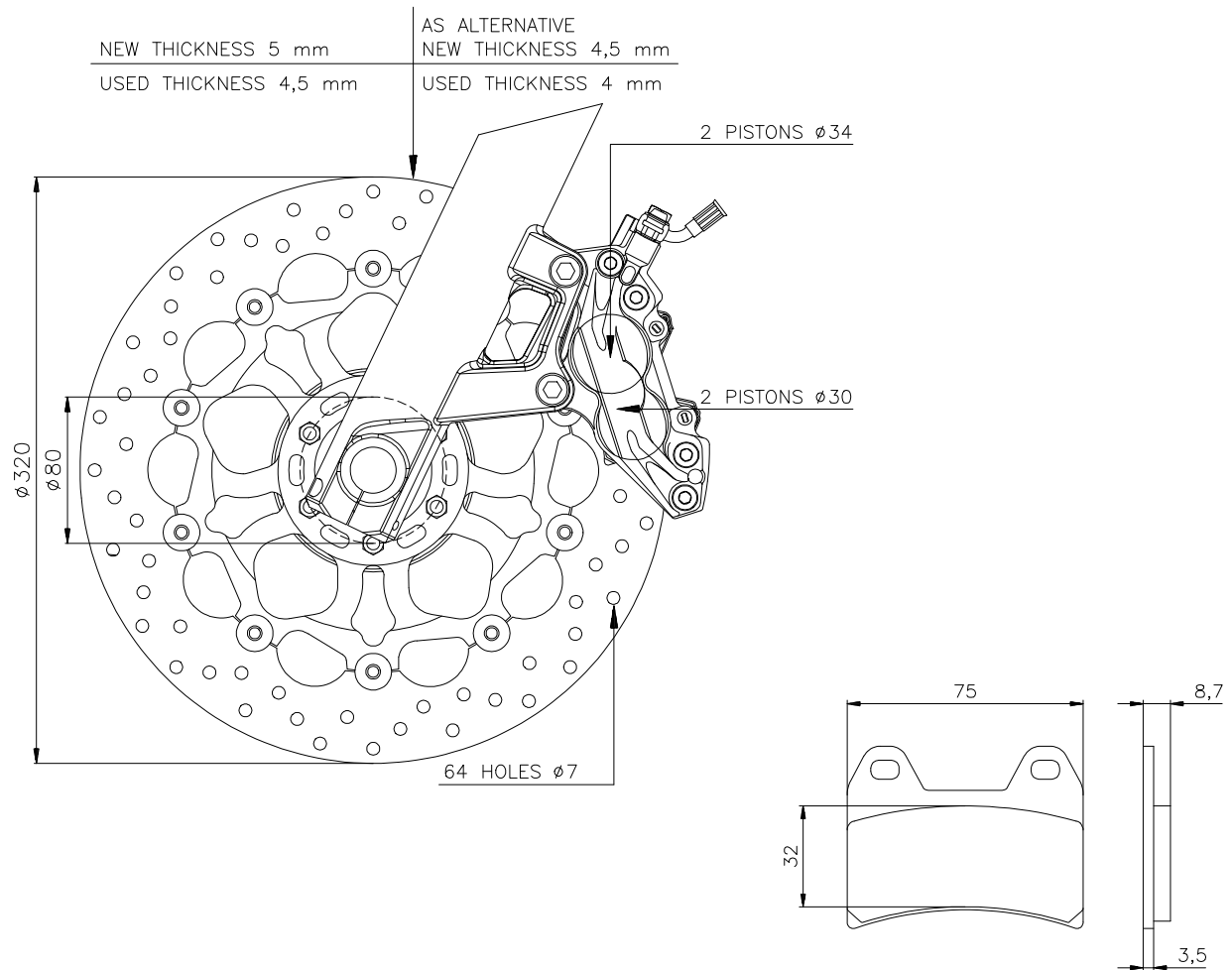
A12.0

7.2.17.3

GENERAL TOLERANCE : ± 1 (*)

NOTES

(*) : except brake pump piston and caliper piston.
(1) : antilock braking system equipment.

Equipment type "A"

DISK

Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)
- alternative : SUNSTAR (JAPAN)
- alternative : LONGZHONG (CHINA)

CALIPER

Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)

BRAKE PUMP

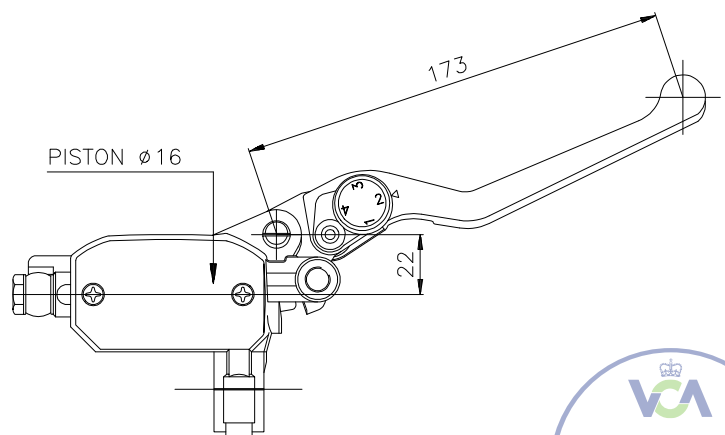
Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)

PADS

Manufacturer : BREMBO (ITALY)
Friction Material : FERIT ID 450
- alternative : TT 2172 see note (1)

BRAKE TUBE

Dimension : ϕ 3,2 mm





VEHICLE TYPE:

LP

FRONT BRAKING SYSTEM
IMPIANTO FRENANTE
ANTERIORE

A12.1

7.2.17.3

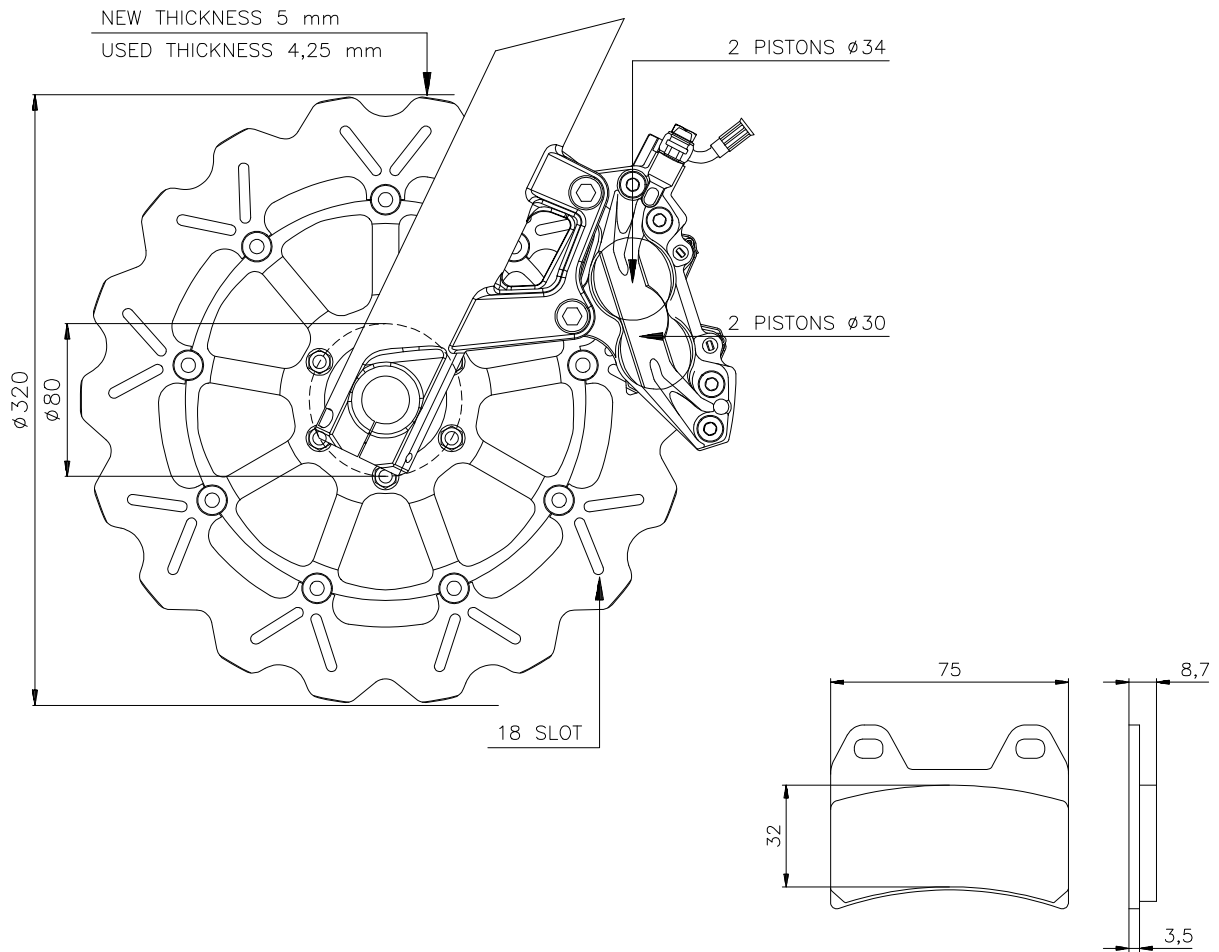
GENERAL TOLERANCE : ±1 (*)

NOTES

(*) : except brake pump piston and caliper piston.

Equipment type "B"

(as alternative - no antilock braking system)



DISK

- Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)
- alternative : SUNSTAR (JAPAN)
- alternative : LONGZHONG (CHINA)

CALIPER

- Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)

BRAKE PUMP

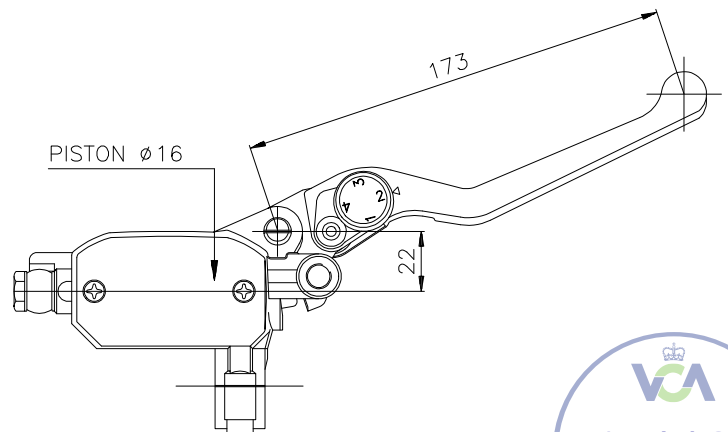
- Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)

PADS

- Manufacturer : BREMBO (ITALY)
- Friction Material : FERIT ID 450

BRAKE TUBE

- Dimension : ø 3,2 mm





VEHICLE TYPE:

LP

REAR BRAKING SYSTEM
IMPIANTO FRENANTE
POSTERIORE

A13.0

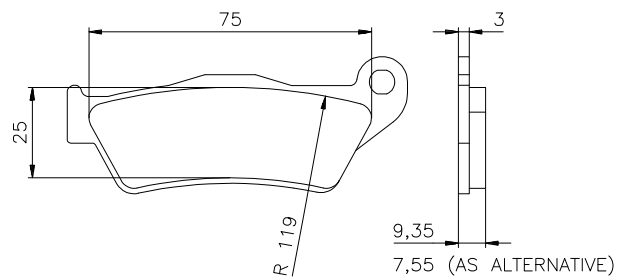
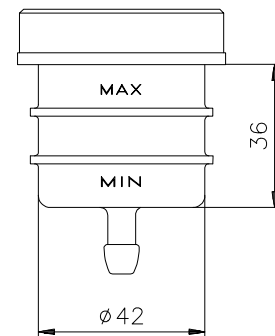
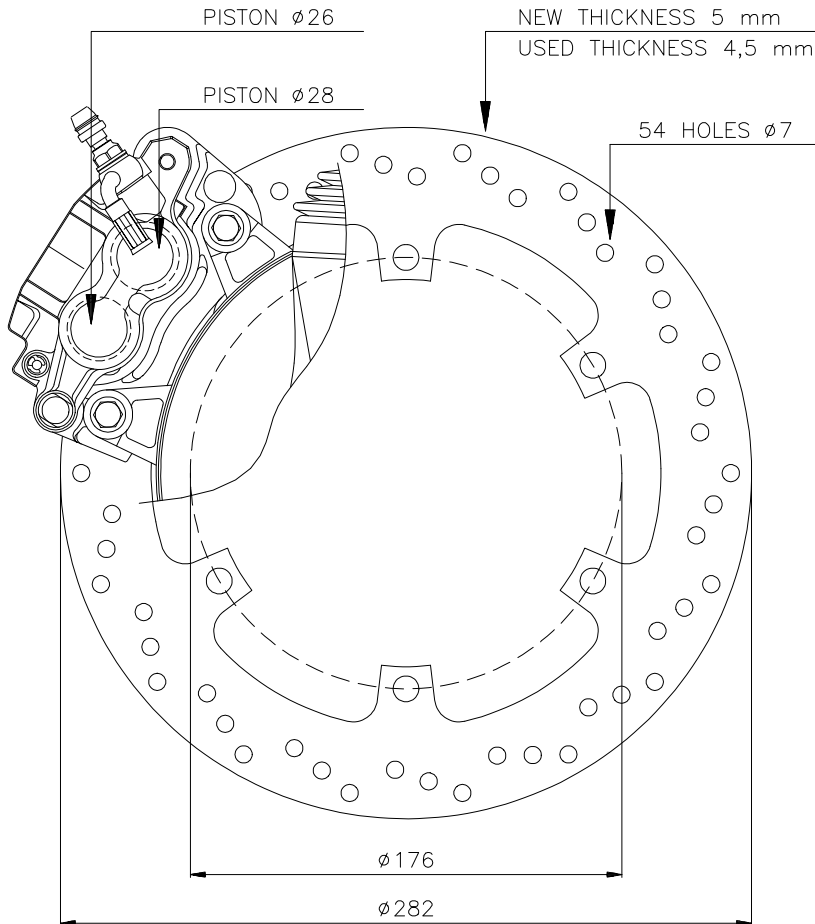
7.2.17.3

GENERAL TOLERANCE : ±1 (*)

NOTES

(*) : except brake pump piston and caliper piston.

(1) : antilock braking system equipment.



DISK

- Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)
- alternative : SUNSTAR (JAPAN)
- alternative : LONGZHONG (CHINA)

CALIPER

- Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)

BRAKE PUMP

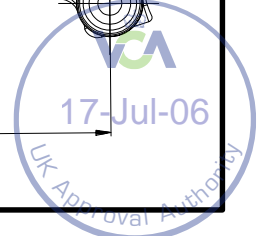
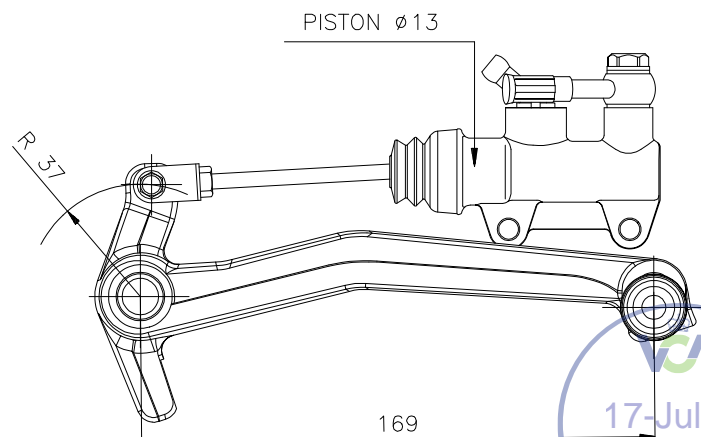
- Manufacturer : BREMBO (ITALY)
- alternative : GRIMECA (ITALY)

PADS

- Manufacturer : BREMBO (ITALY)
- Friction Material : 4069 TEXTAR
- alternative : TT 2701 see note (1)

BRAKE TUBE

- Dimension : ϕ 3,2 mm





VEHICLE TYPE:

LP

LIGHTING AND LIGHT - SIGNALLING DEVICES

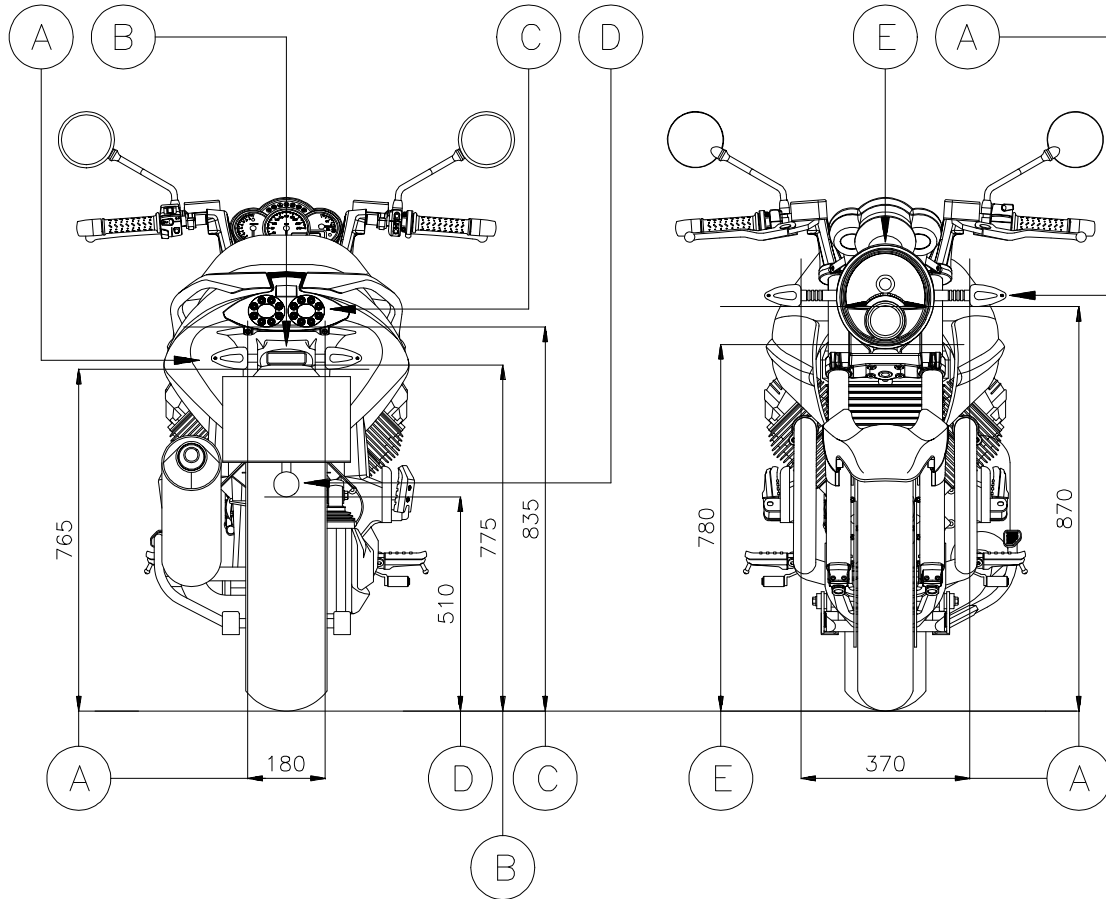
DISPOSITIVI DI ILLUMINAZIONE E SEGNALAZIONE LUMINOSA

A14.0

0.8/8.1/8.2

VARIANT / VERSION : O/??, A/??, B/??
E/??, G/??, M/??

GENERAL TOLERANCE : ±10



RIF.	DESCRIPTION	MANUFACTURER	APPROVAL NUMBER
A	FRONT / REAR TURN INDICATORS	CEV	11 E3 50R00 2156, 12 E3 50R00 2156
B	LICENCE PLATE LAMP	ECIE	E3 50R - 00 50214
C	TAIL / BRAKE LAMP	CEV	E3 50R - 00 2395
D	REAR RETRO-REFLECTOR	ECIE	IA E3 02 49951 EST. 01
E	HEAD LAMP (RIGHT HAND TRAFFIC ONLY)	CEV	E3 10 00 HCR PL, E3 50R - 002396
	ALTERNATIVE (LEFT HAND TRAFFIC ONLY)	CEV	E3 10 00 HCR PL, E3 50R - 002414





VEHICLE TYPE:

LP

LIGHTING AND LIGHT - SIGNALLING DEVICES

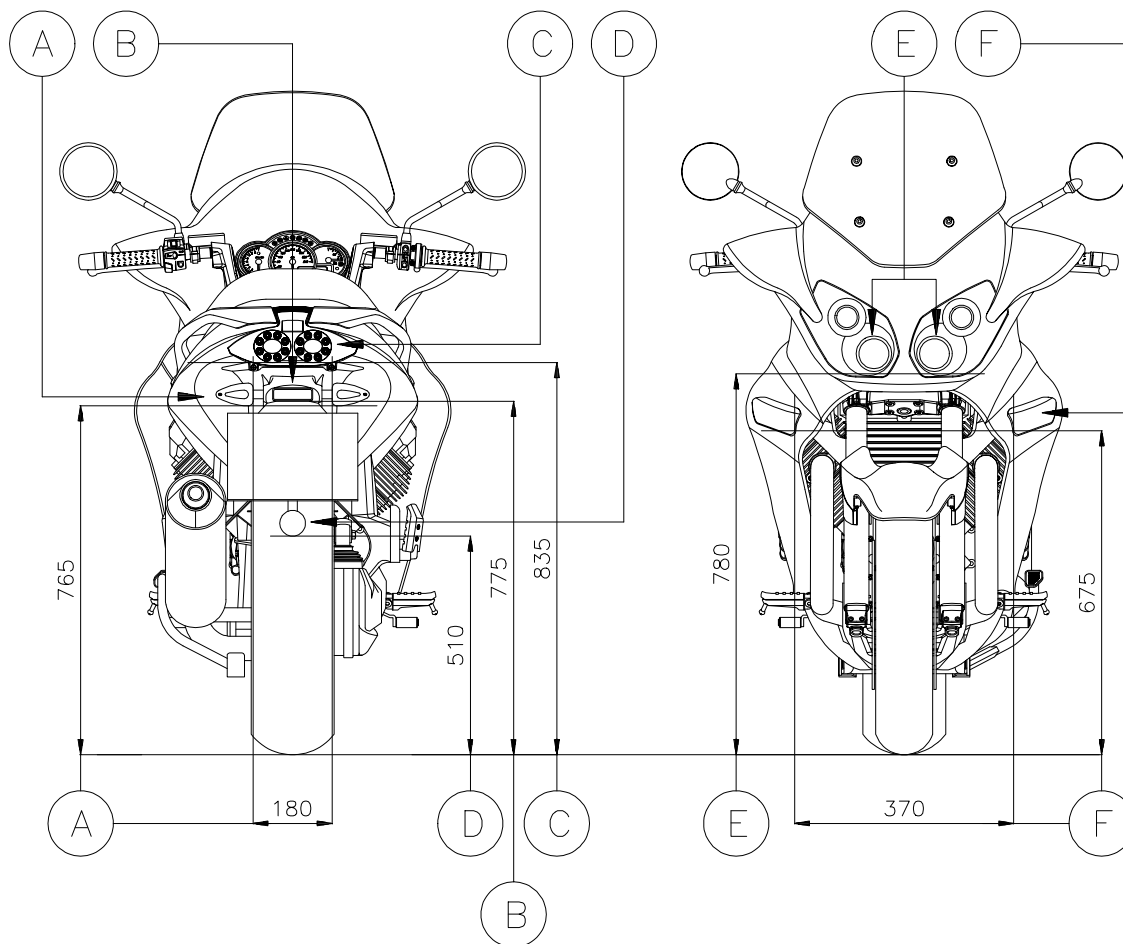
DISPOSITIVI DI ILLUMINAZIONE E SEGNALAZIONE LUMINOSA

A14.1

0.8/8.1/8.2

VARIANT / VERSION : H/??, L/??

GENERAL TOLERANCE : ±10



RIF.	DESCRIPTION	MANUFACTURER	APPROVAL NUMBER
A	REAR TURN INDICATORS	CEV	11 E3 50R00 2156, 12 E3 50R00 2156
B	LICENCE PLATE LAMP	ECIE	E3 50R - 00 50214
C	TAIL / BRAKE LAMP	CEV	E3 50R - 00 2395
D	REAR RETRO-REFLECTOR	ECIE	IA E3 02 49951 EST. 01
E	HEAD LAMP (SYMMETRIC BEAM)	TRI.O.M.	E13 50R-00 1211, 12,5 WC/R-DS PL 00
F	FRONT TURNS INDICATOR	TRI.O.M.	E13 50R-00 1208





VEHICLE TYPE:

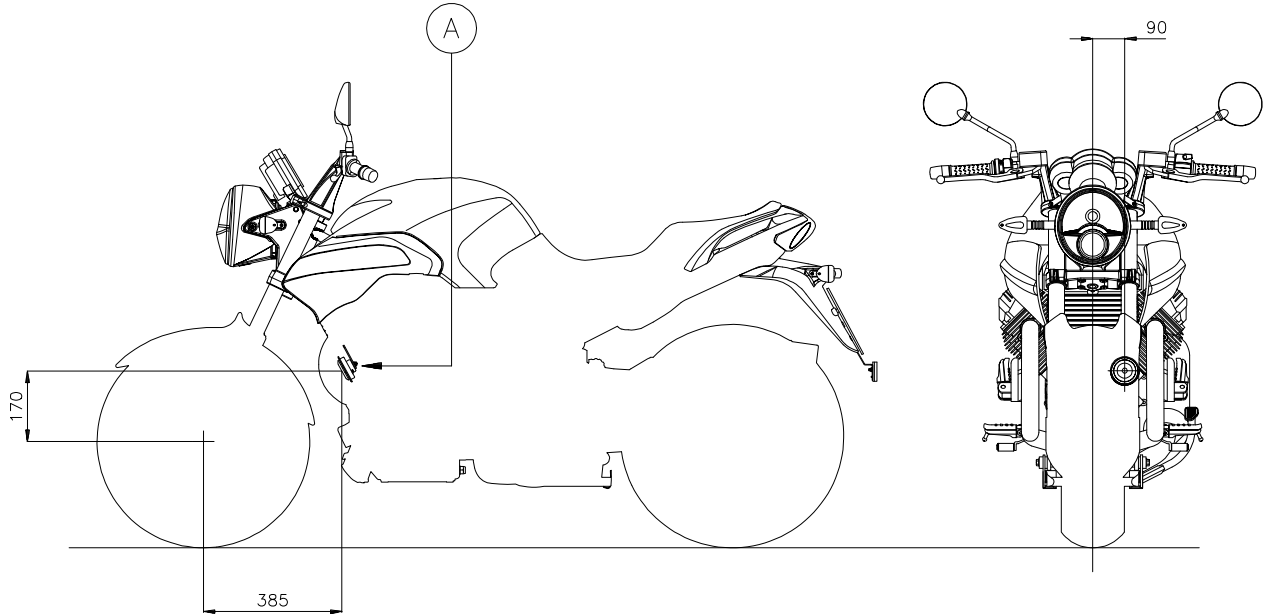
LP

ELECTRIC HORN
SEGNALATORE ACUSTICO

A15.0

0.8/9.5.1/9.5.6

GENERAL TOLERANCE : ± 10



RIF.	DEVICE	MANUFACTURER	APPROVAL NUMBER
A	ELECTRIC HORN	LEB	E3 0053927, e3 0053389





VEHICLE TYPE:

LP

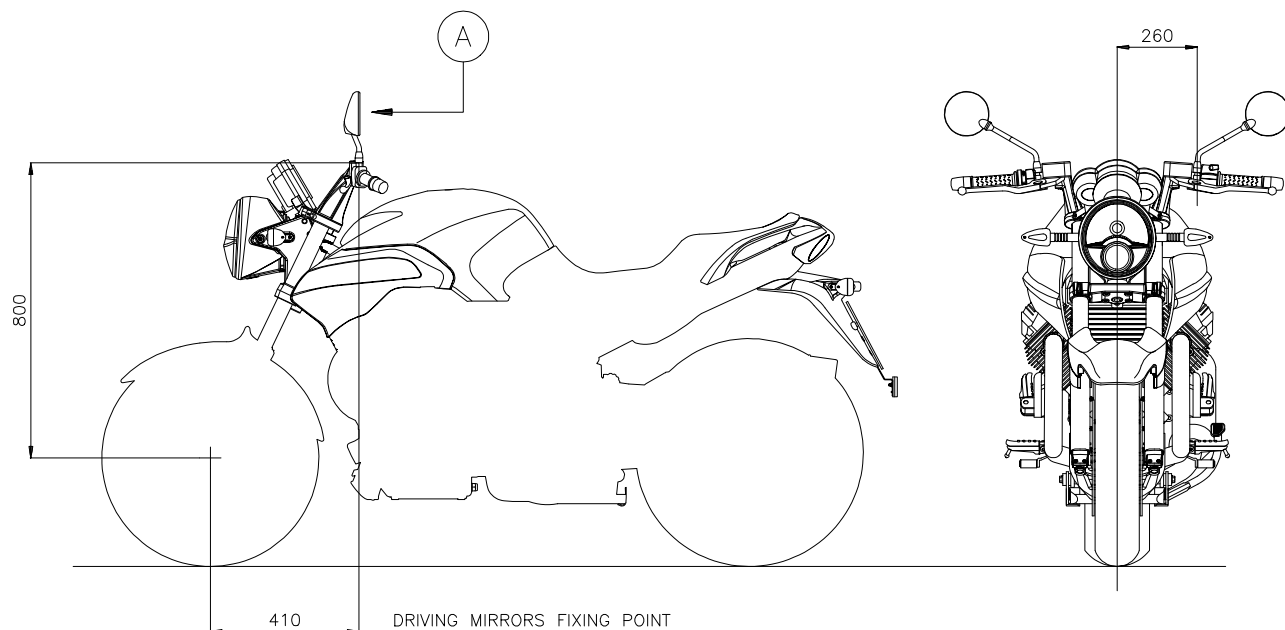
DRIVING MIRRORS
SPECCHI RETROVISORI

A16.0

0.8/B.1.1/B.1.1.4

VARIANT / VERSION : O/??, A/??, B/??
E/??, G/??, H/??, L/??

GENERAL TOLERANCE : ±10



RIF.	DEVICES	MANUFACTURER	APPROVAL NUMBER
A	DRIVING MIRRORS	BARRAC	L E13 0297 Le 13
	ALTERNATIVE	FU-HWA	E11 00 1049
	ALTERNATIVE	FU-HWA	E11 00 1094
	ALTERNATIVE	ORION	LE3 7003





VEHICLE TYPE:

LP

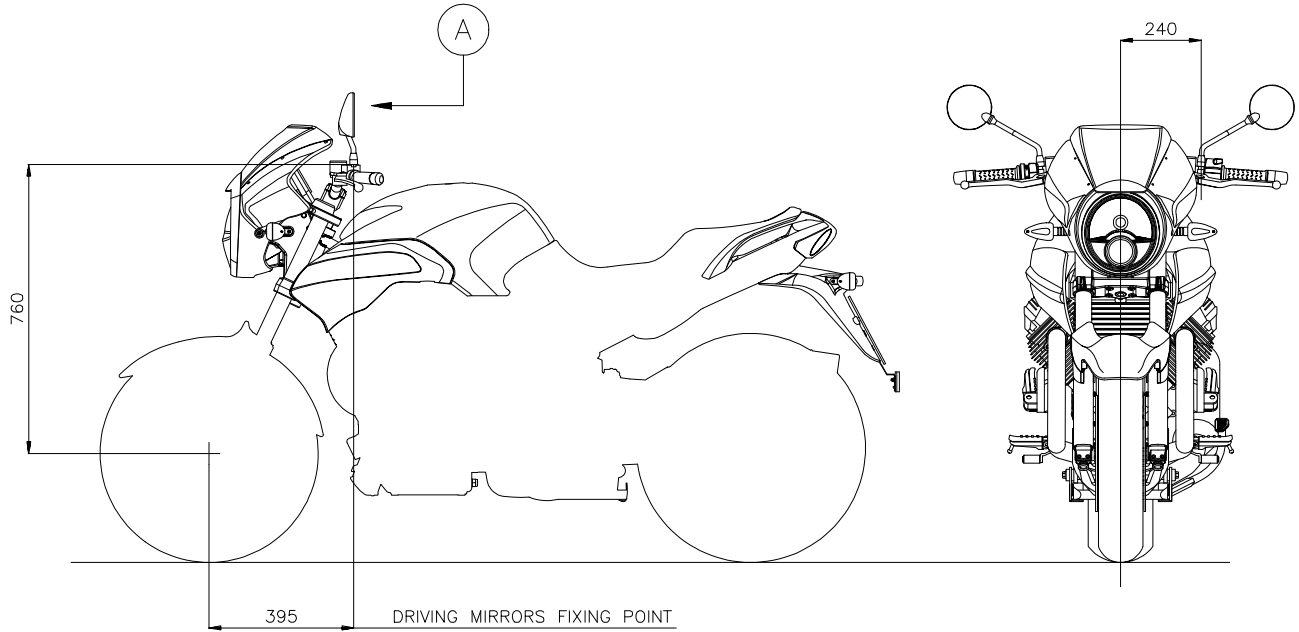
DRIVING MIRRORS
SPECCHI RETROVISORI

A16.1

0.8/B.1.1/B.1.1.4

VARIANT / VERSION : M/??

GENERAL TOLERANCE : ±10



RIF.	DEVICES	MANUFACTURER	APPROVAL NUMBER
A	DRIVING MIRRORS	BARRAC	L E13 0297 Le 13
	ALTERNATIVE	FU-HWA	E11 00 1049
	ALTERNATIVE	FU-HWA	E11 00 1094
	ALTERNATIVE	ORION	LE3 7003





VEHICLE TYPE:
LP

SPARK PLUG COVER
CAPPUCCIO CANDELA

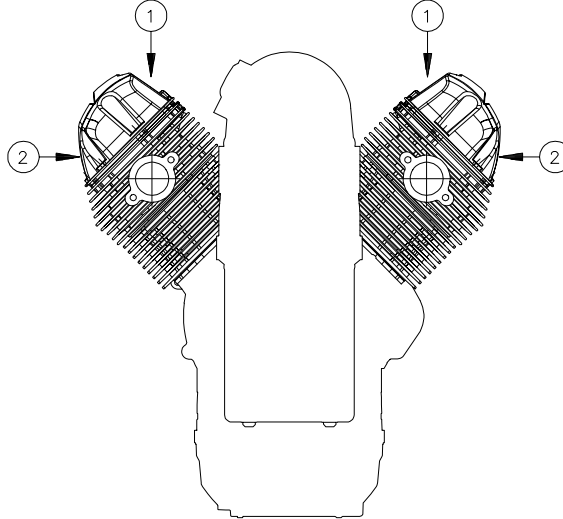
B1.0

3.2.6.8.1

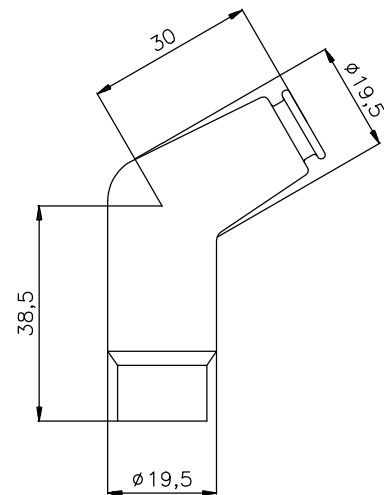
ENGINE FAMILY : 00, 02, 03

GENERAL TOLERANCE : ±1

Note : twin spark ignition engine equipment

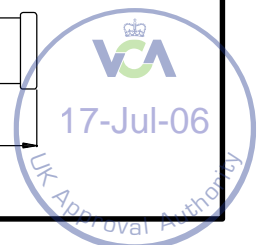
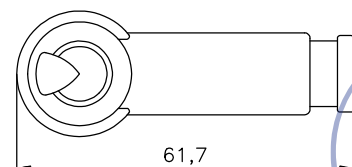
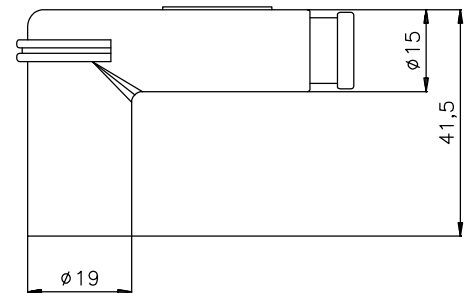


TYPE 1		
Make	Type	Standard resistance
NGK	VD05EMH	5 kΩ



TYPE 2		
Make	Type	Standard resistance
M.T.A.	10.00900	5 kΩ
	10.00930	5 kΩ (*)

(*) alternative designation





VEHICLE TYPE:

LP

SPARK PLUG COVER
CAPPUCCIO CANDELA

B1.1

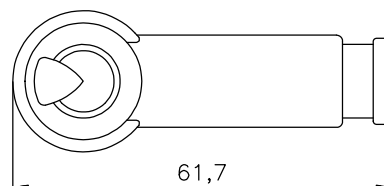
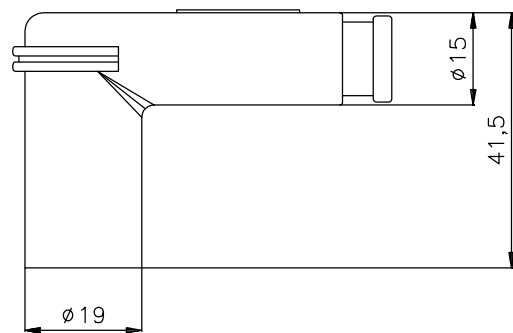
3.2.6.8.1

ENGINE FAMILY : 01

GENERAL TOLERANCE : ± 1

Make	Type	Standard resistance
M.T.A.	10.00900	5 k Ω
	10.00930	5 k Ω

(*) alternative designation





VEHICLE TYPE:

LP

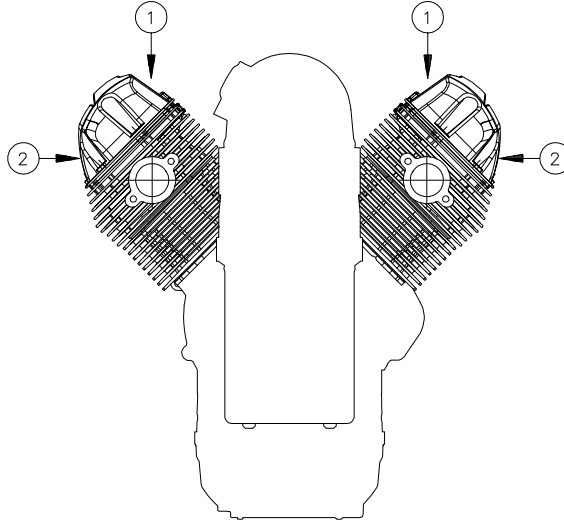
SPARK PLUG
CANDELA

B2.0

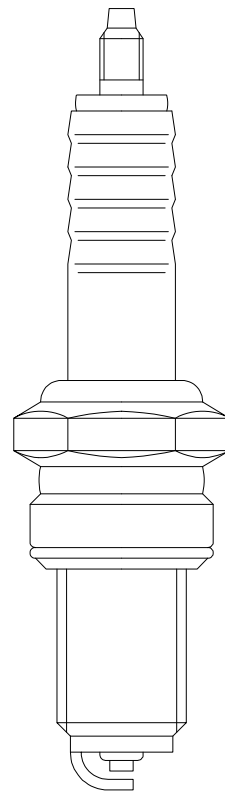
3.2.6.8.1

ENGINE FAMILY : 00, 02, 03

Note : twin spark ignition engine equipment



Make	Type	Standard resistance	TYPE
NGK	PMR8B	5 k Ω	1
NGK	BPR6ES	5 k Ω	2





VEHICLE TYPE:

LP

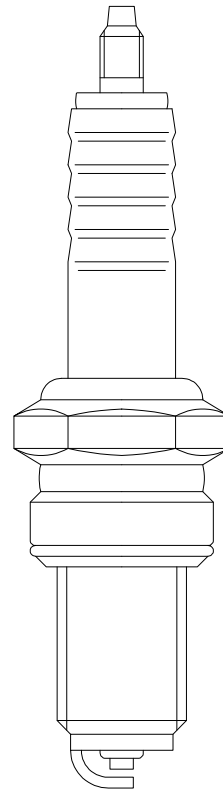
SPARK PLUG
CANDELA

B2.1

3.2.6.8.1

ENGINE FAMILY : 01

Make	Type	Standard resistance
NGK	BPR6ES	5 kΩ





VEHICLE TYPE:

LP

IGNITION ADVANCE
ANTICIPO
DI ACCENSIONE

B3.0

3.2.6.4

ENGINE FAMILY : 00

min ⁻¹	IGNITION ANGLE (° P.P.M.S.)
900	10
1400	10,7
1600	11,5
2000	13,1
2200	13,9
2800	16,2
3250	18
3500	18,1
4000	20
4500	22
5500	23,8
6250	26
7250	30
7750	32,7
8200	34

THROTTLE VALVE ANGLE : FULL LOAD





VEHICLE TYPE:

LP

IGNITION ADVANCE
ANTICIPO
DI ACCENSIONE

B3.1

3.2.6.4

ENGINE FAMILY : 01

min ⁻¹	IGNITION ANGLE (° P.P.M.S.)
1000	20,0
1400	16,0
2000	20,0
2400	20,0
3000	23,7
3500	28,2
4000	34,0
4500	35,5
5000	36,0
5500	36,3
6000	36,6
6500	37,0
7500	41,0
7750	42,0
8200	44,0

THROTTLE VALVE ANGLE : FULL LOAD





VEHICLE TYPE:

LP

IGNITION ADVANCE
ANTICIPO
DI ACCENSIONE

B3.2

3.2.6.4

ENGINE FAMILY : 02, 03

min ⁻¹	IGNITION ANGLE (° P.P.M.S.)
1000	10,0
1400	10,7
2000	13,1
2400	14,6
3000	17
3500	18,1
4000	20
4500	22
5000	23,6
5500	25
6000	26,4
6500	27,8
7500	31
7750	32,7
8200	34

THROTTLE VALVE ANGLE : FULL LOAD





VEHICLE TYPE:

LP

INJECTION MAP
MAPPATURA
DELL' INIEZIONE

B4.0

3.2.4.3.4

ENGINE FAMILY : 00

min ⁻¹	INJECTION TIME (μ s)
900	10,252
1400	10,029
1600	9,941
2000	9,764
2200	9,674
2800	9,409
3250	9,320
3500	9,087
4000	9,320
4500	9,553
5500	10,835
6250	11,068
7250	11,534
7750	11,184
8200	10,835

THROTTLE VALVE ANGLE : FULL LOAD





VEHICLE TYPE:

LP

INJECTION MAP
MAPPATURA
DELL' INIEZIONE

B4.1

3.2.4.3.4

ENGINE FAMILY : 01

min ⁻¹	INJECTION TIME (μ s)
1000	35,688
1400	35,388
2000	34,944
2400	34,644
3000	31,500
3500	30,300
4000	33,000
4500	31,800
5000	31,500
5500	35,200
6000	37,300
6500	42,500
7500	44,500
7750	44,500
8200	44,000

THROTTLE VALVE ANGLE : FULL LOAD





VEHICLE TYPE:

LP

INJECTION MAP
MAPPATURA
DELL' INIEZIONE

B4.2

3.2.4.3.4

ENGINE FAMILY : 02, 03

min ⁻¹	INJECTION TIME (μ s)
1000	43,808
1400	43,044
2000	41,904
2400	41,140
3000	40,000
3500	41,000
4000	41,000
4500	41,500
5000	43,500
5500	48,000
6000	47,600
6500	50,500
7500	51,000
7750	50,000
8200	47,000

THROTTLE VALVE ANGLE : FULL LOAD





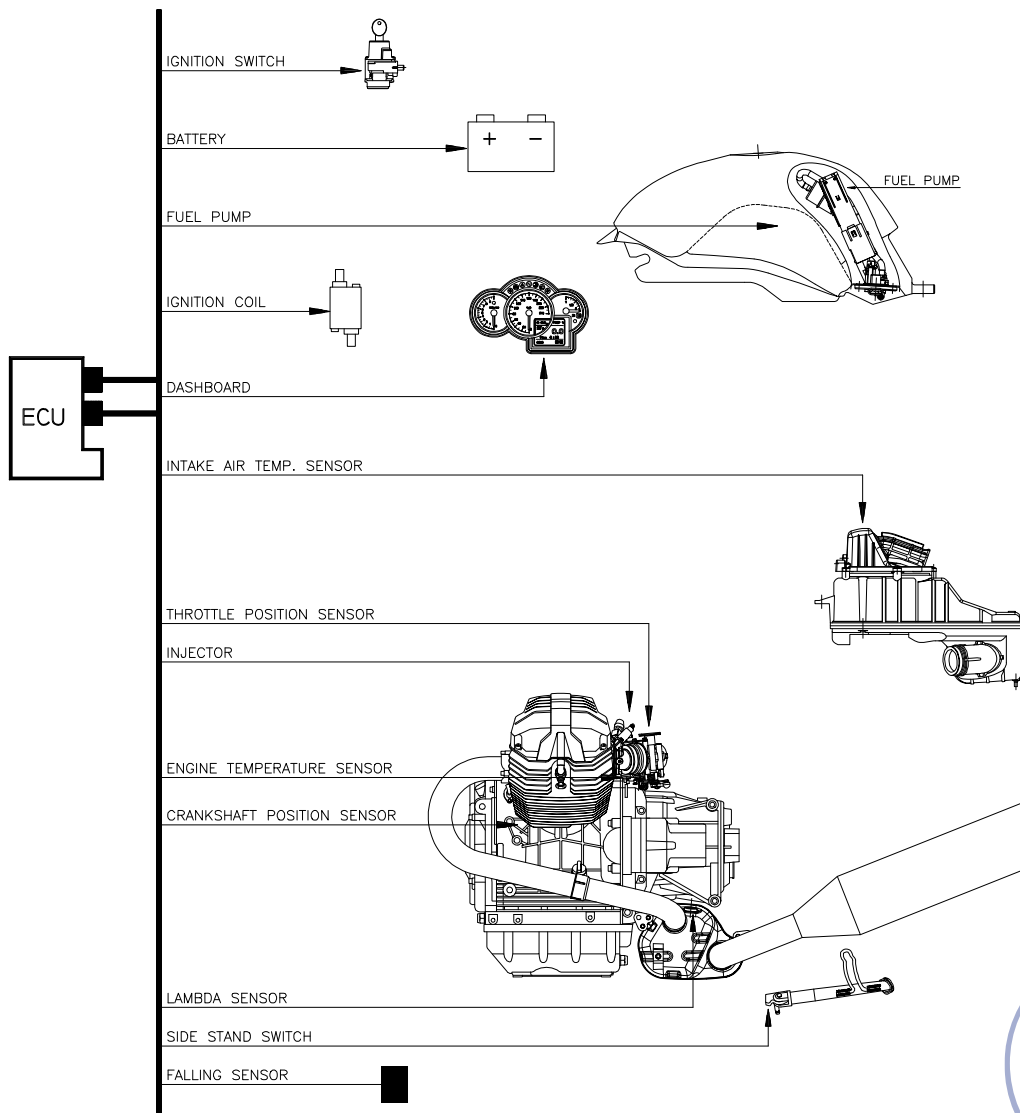
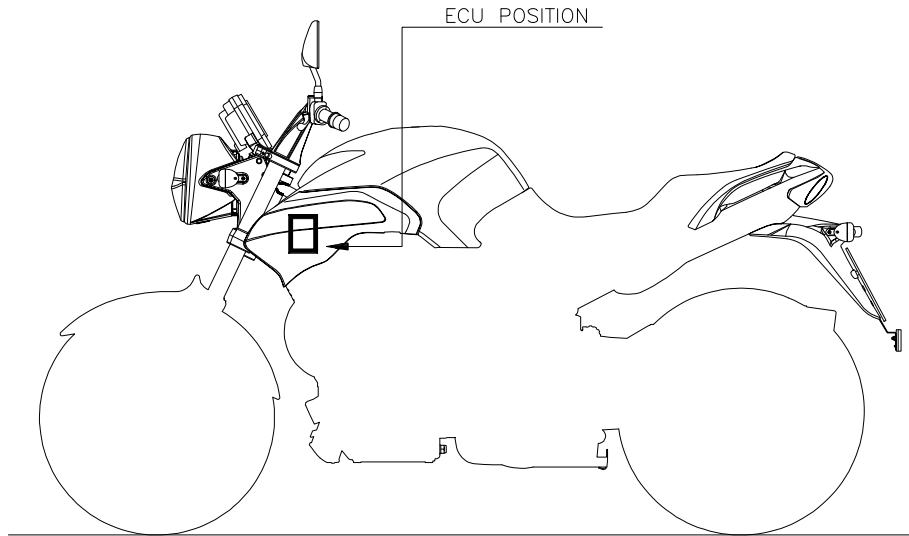
VEHICLE TYPE:

LP

INJECTION SYSTEM SCHEME SCHEMA DEL SISTEMA DI INIEZIONE

B5.0

3.2.4.3.1





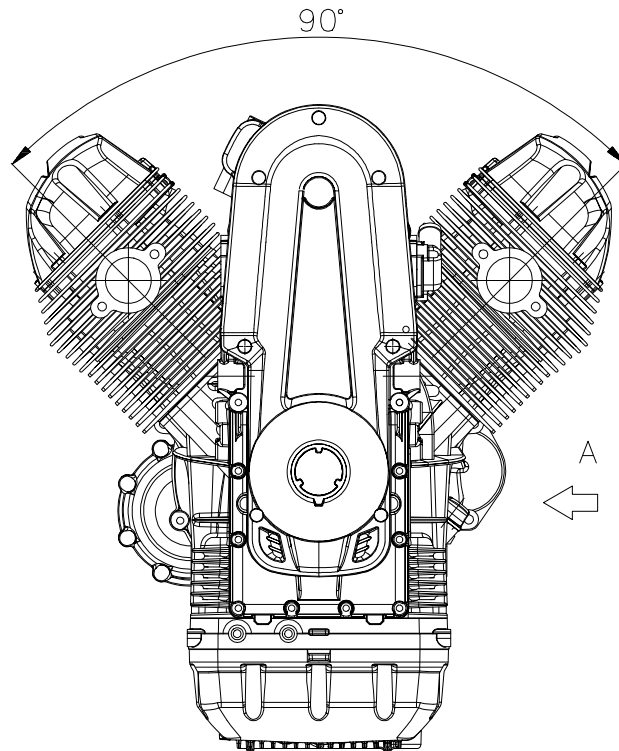
VEHICLE TYPE:

LP

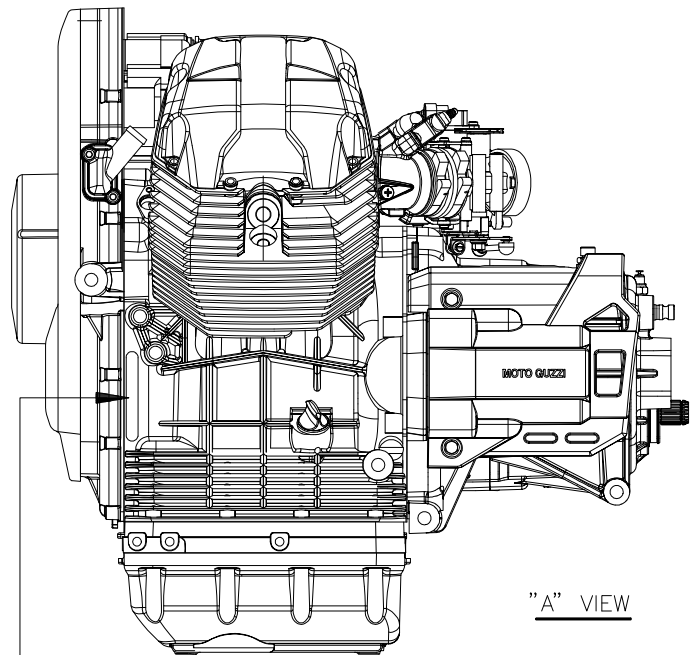
ENGINE
MOTORE

C1.0

3



ENGINE FAMILY	MARKING
00	KP
01	A1
02, 03	A2



ENGINE PUNCHING POSITION





VEHICLE TYPE:

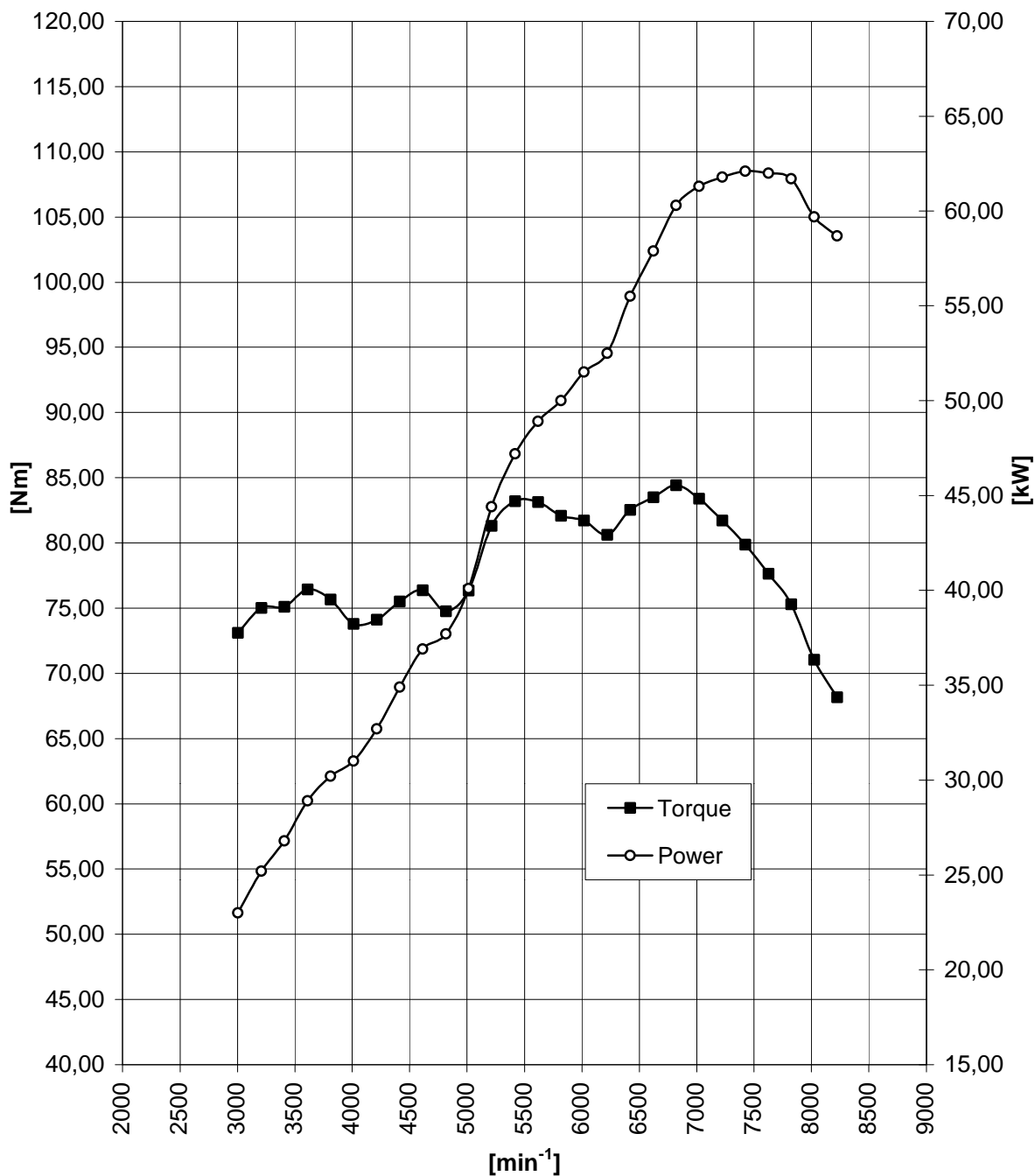
LP

POWER AND TORQUE CURVES
CURVA DI COPPIA E POTENZA

C2.0

3.2.1.7 / 3.2.1.8

ENGINE FAMILY : OO





VEHICLE TYPE:

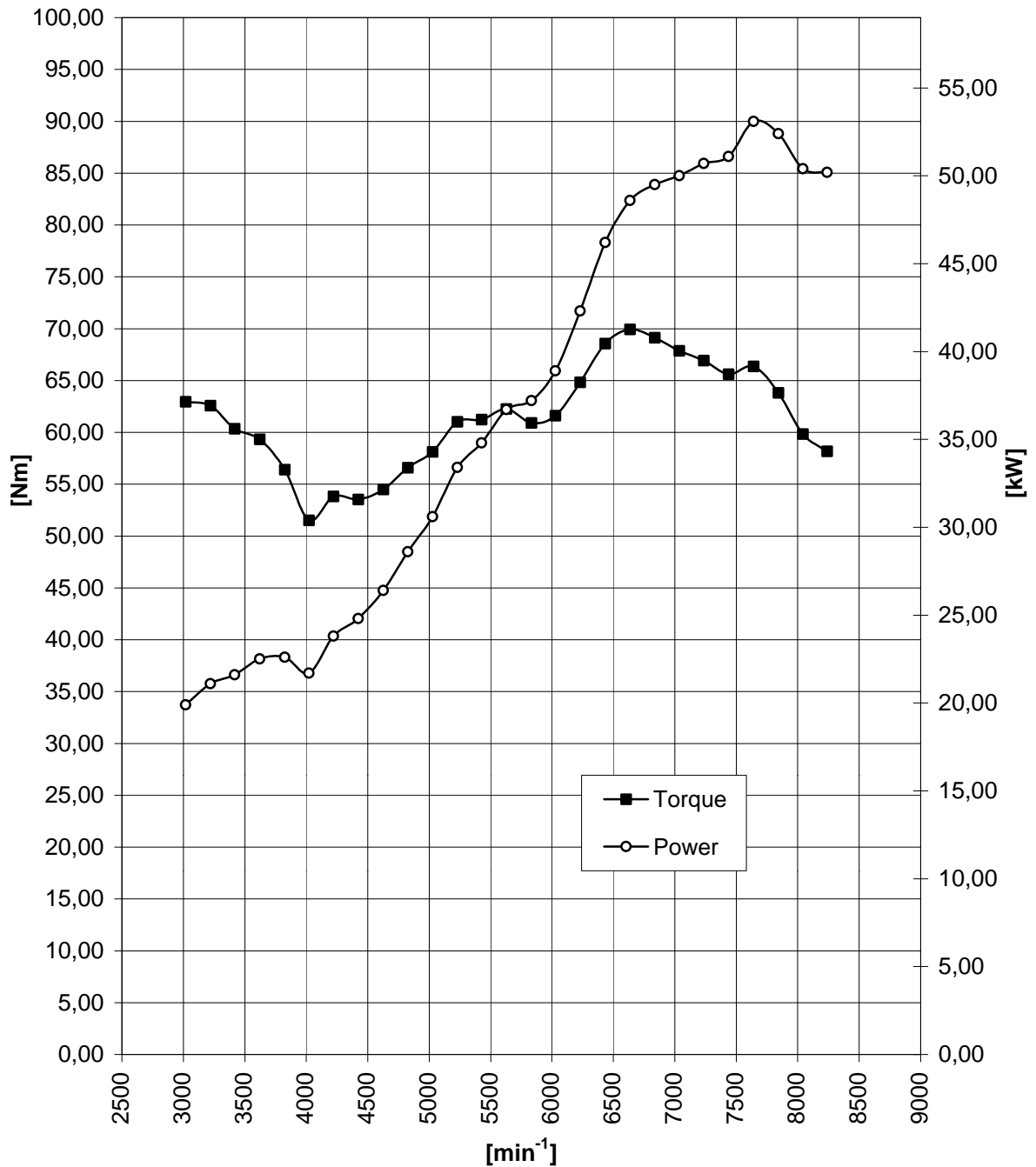
LP

POWER AND TORQUE CURVES
CURVA DI COPPIA E POTENZA

C2.1

3.2.1.7 / 3.2.1.8

ENGINE FAMILY : O1





VEHICLE TYPE:

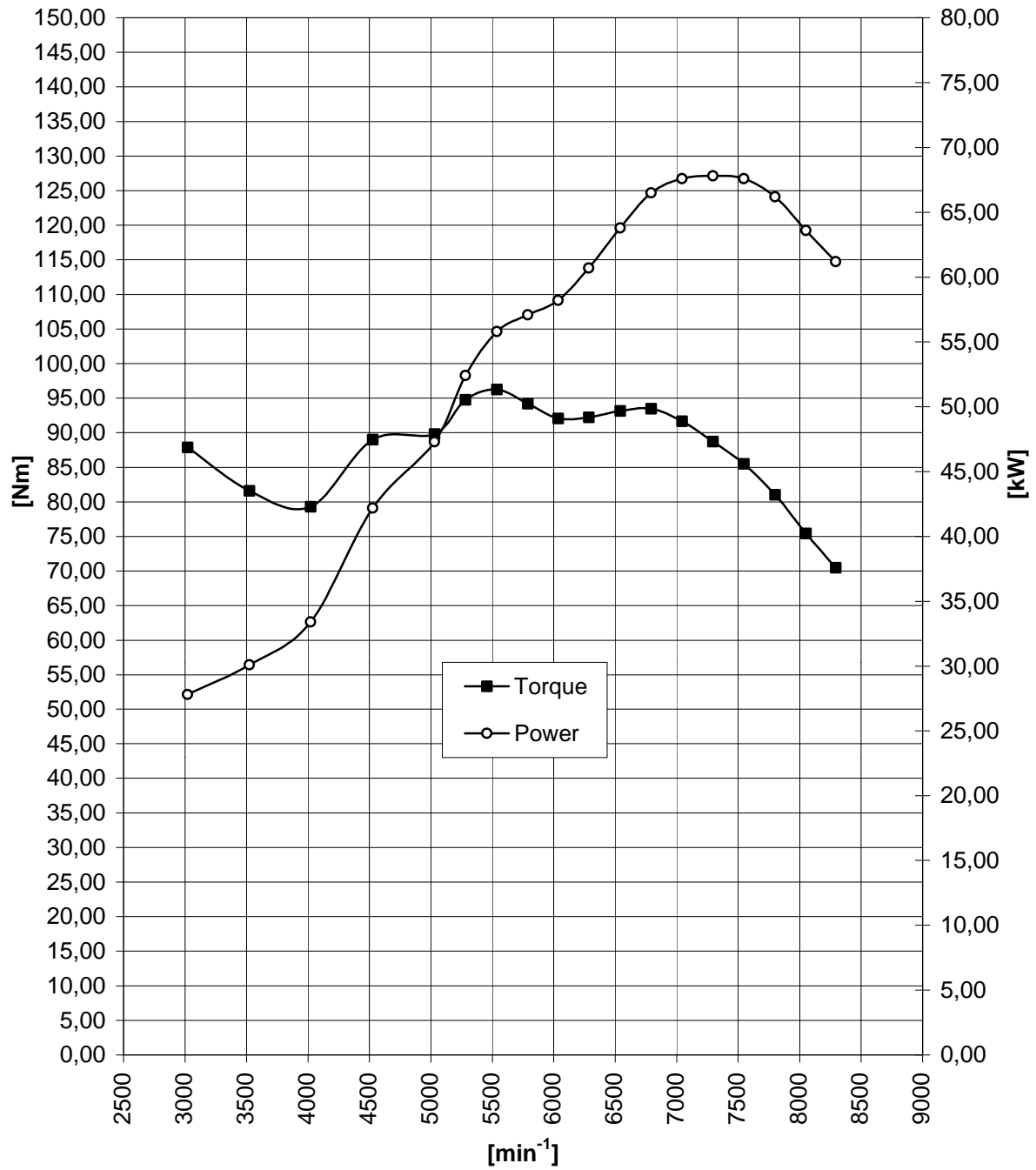
LP

POWER AND TORQUE CURVES
CURVA DI COPPIA E POTENZA

C2.2

3.2.1.7 / 3.2.1.8

ENGINE FAMILY : O2





VEHICLE TYPE:

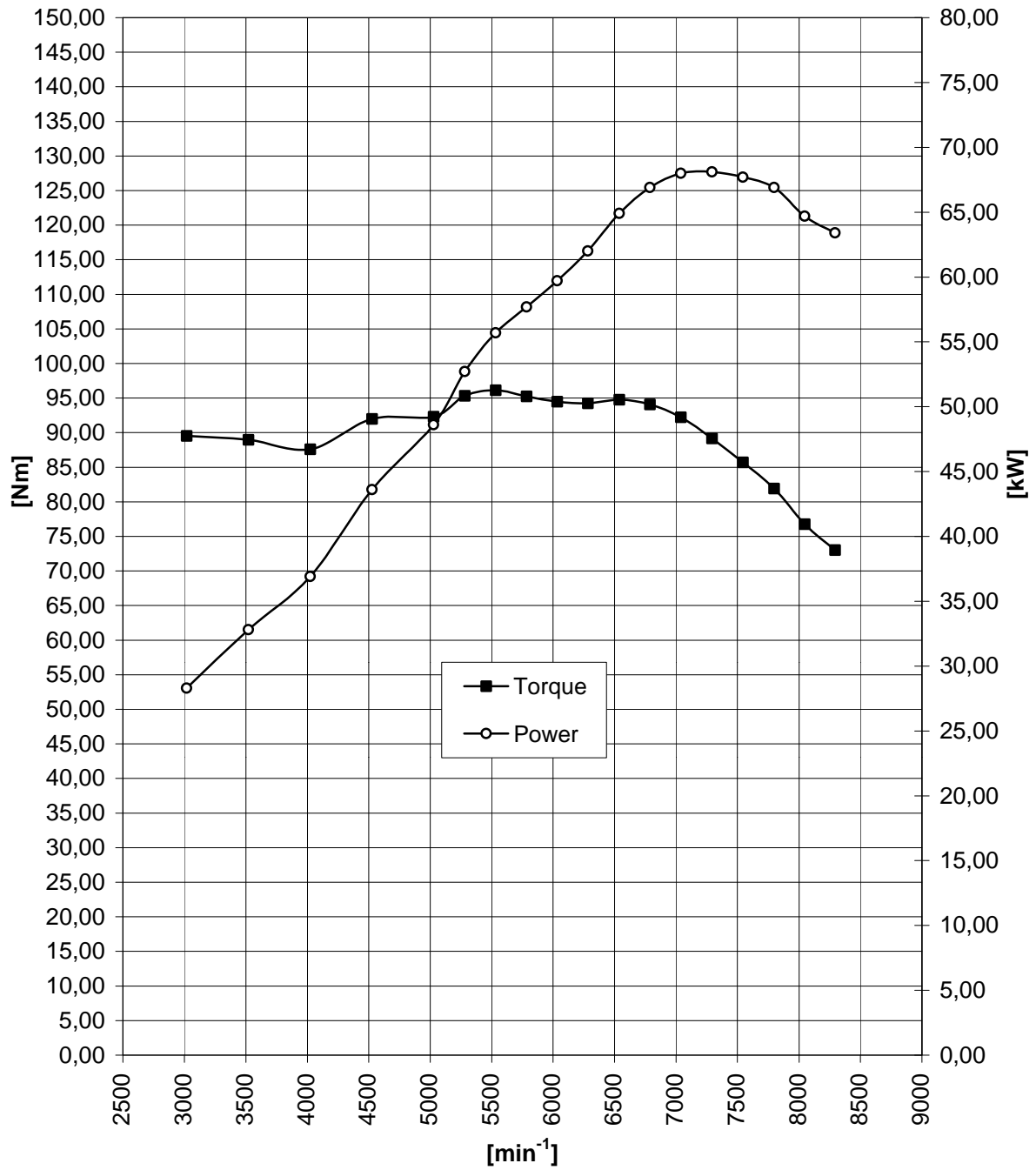
LP

POWER AND TORQUE CURVES
CURVA DI COPPIA E POTENZA

C2.3

3.2.1.7 / 3.2.1.8

ENGINE FAMILY : 03





VEHICLE TYPE:

LP

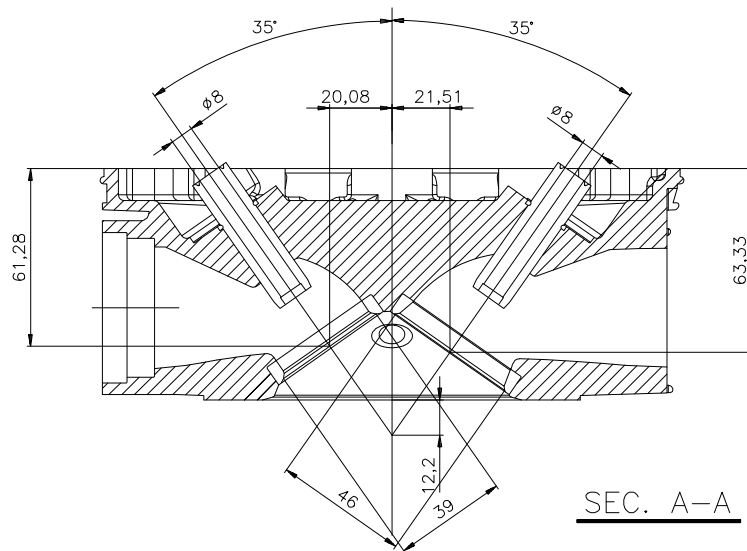
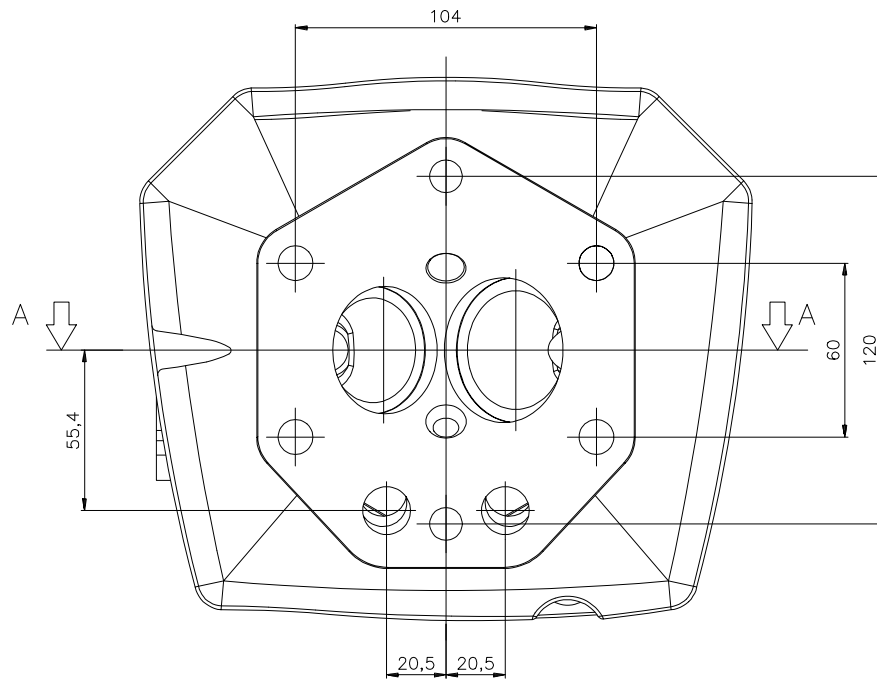
ENGINE HEAD
TESTA MOTORE

C3.0

3.2.1.5 / 3.2.10

ENGINE FAMILY : 00, 02, 03

GENERAL TOLERANCE : ± 1





VEHICLE TYPE:

LP

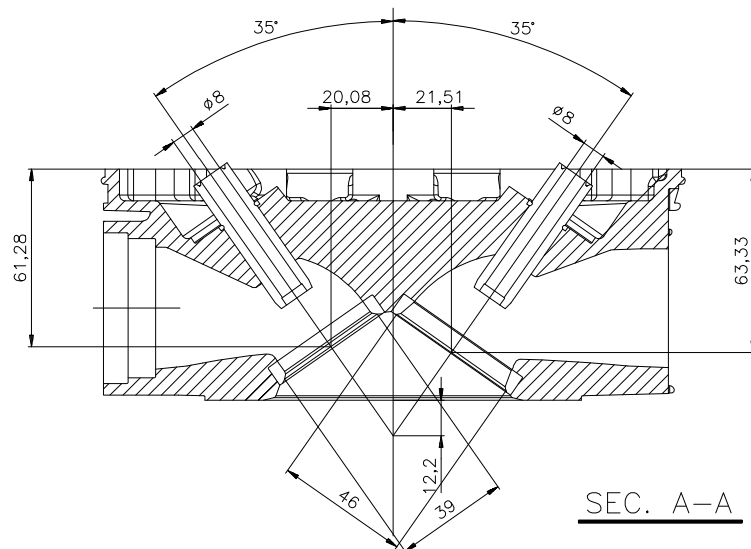
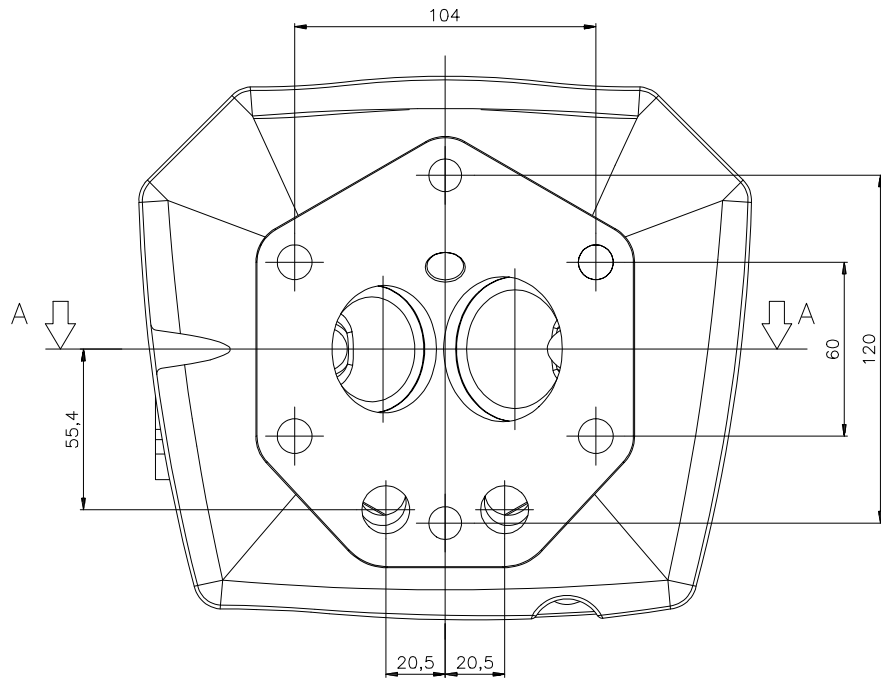
ENGINE HEAD
TESTA MOTORE

C3.1

3.2.1.5 / 3.2.10

ENGINE FAMILY : 01

GENERAL TOLERANCE : ± 1





VEHICLE TYPE:

LP

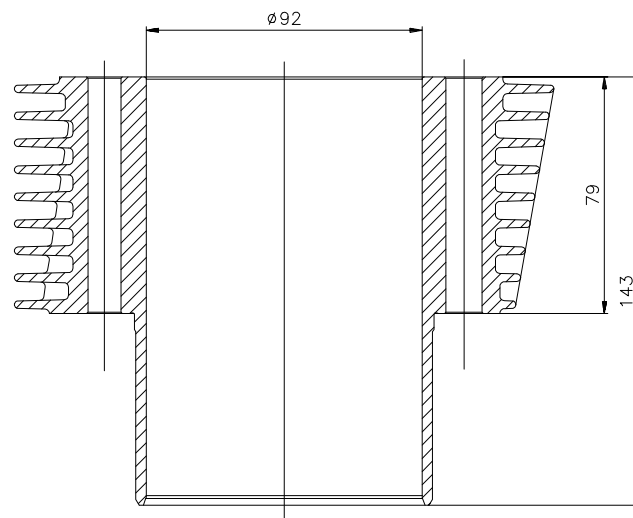
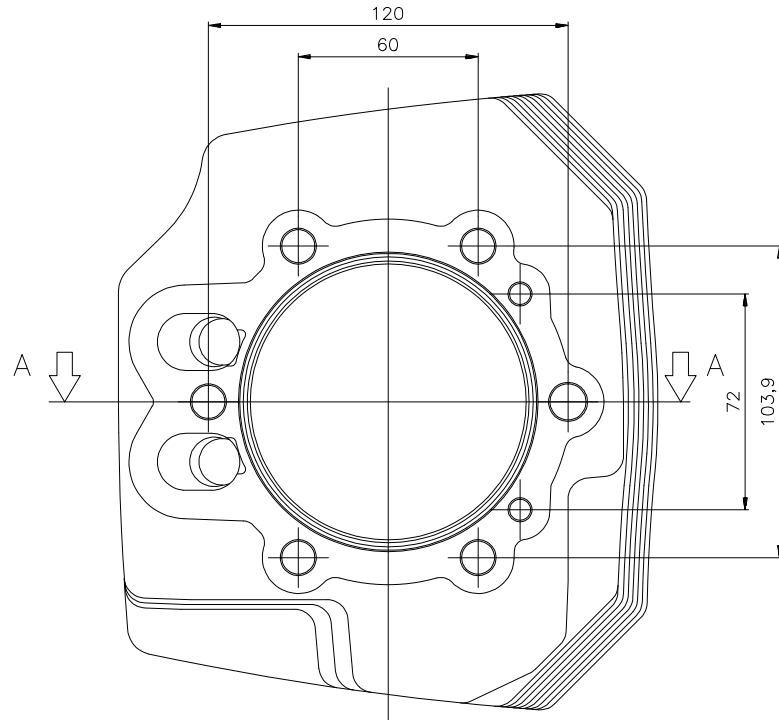
ENGINE CYLINDER
CILINDRO MOTORE

C4.0

3.2.1.5 / 3.2.10

ENGINE FAMILY : 00, 01

GENERAL TOLERANCE : $\pm 0,5$



SEC. A-A





VEHICLE TYPE:

LP

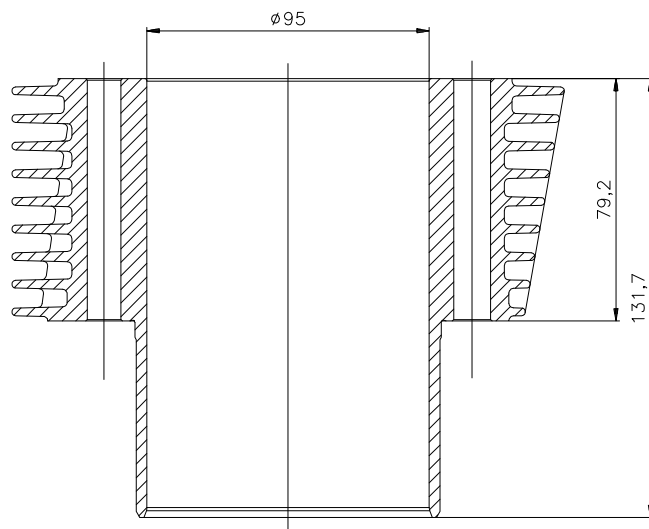
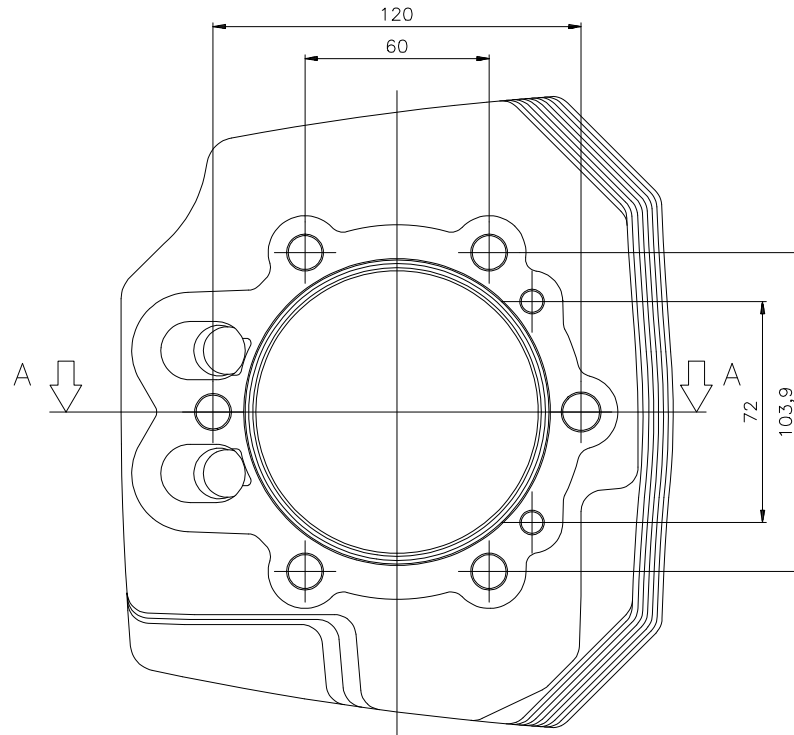
ENGINE CYLINDER
CILINDRO MOTORE

C4.1

3.2.1.5 / 3.2.10

ENGINE FAMILY : 02, 03

GENERAL TOLERANCE : $\pm 0,5$



SEC. A-A





VEHICLE TYPE:

LP

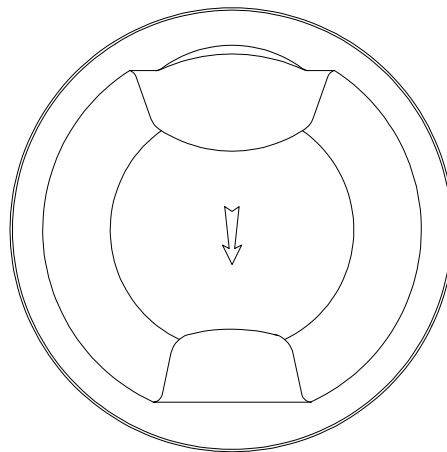
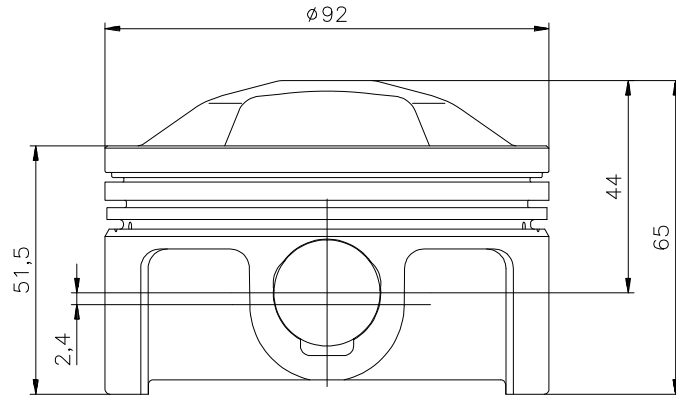
ENGINE PISTON AND RINGS
PISTONE MOTORE E SEGMENTI

C5.0

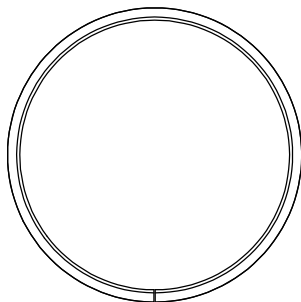
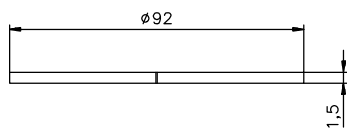
3.2.1.5

ENGINE FAMILY : 00

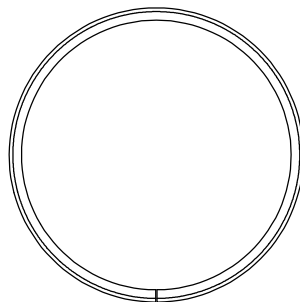
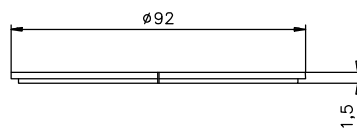
GENERAL TOLERANCE : $\pm 0,5$



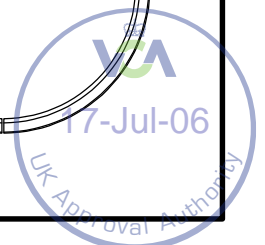
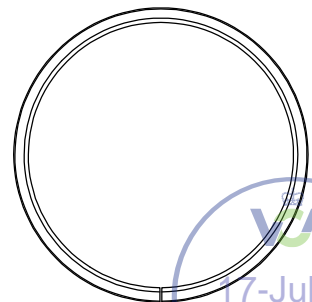
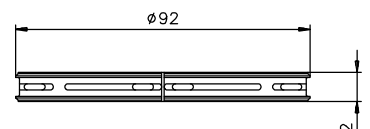
UPPER
piston rings



LOWER
piston rings



SCRAPER
piston rings





VEHICLE TYPE:

LP

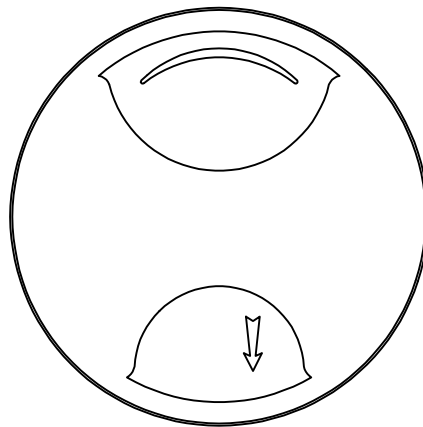
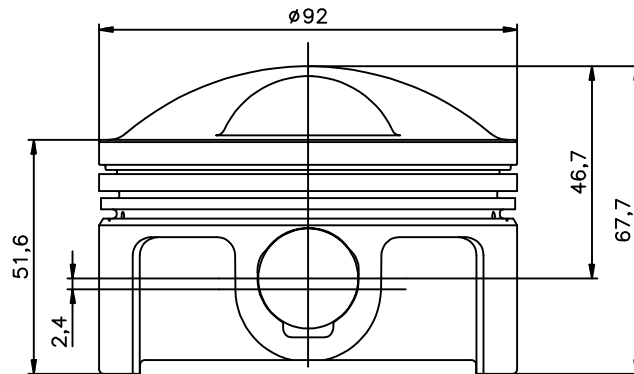
ENGINE PISTON AND RINGS
PISTONE MOTORE E SEGMENTI

C5.1

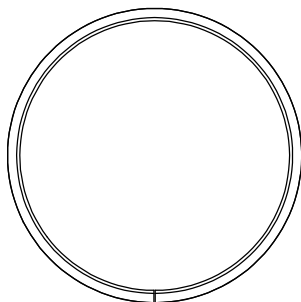
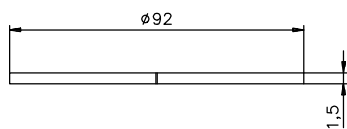
3.2.1.5

ENGINE FAMILY : 01

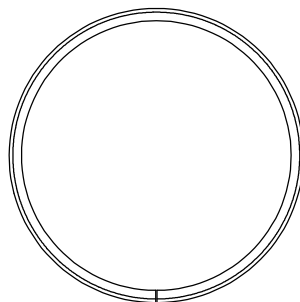
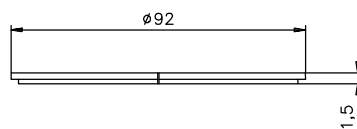
GENERAL TOLERANCE : $\pm 0,5$



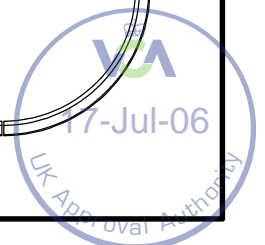
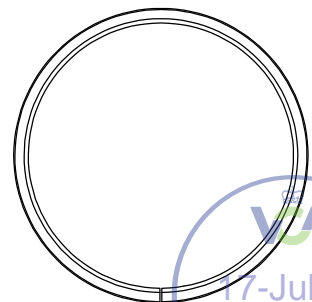
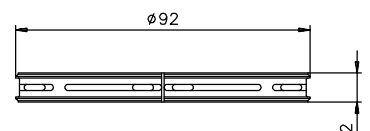
UPPER
piston rings



LOWER
piston rings



SCRAPER
piston rings





VEHICLE TYPE:

LP

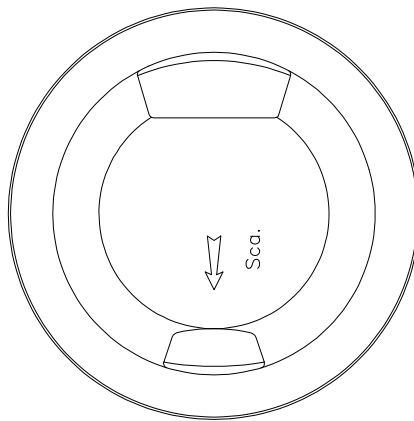
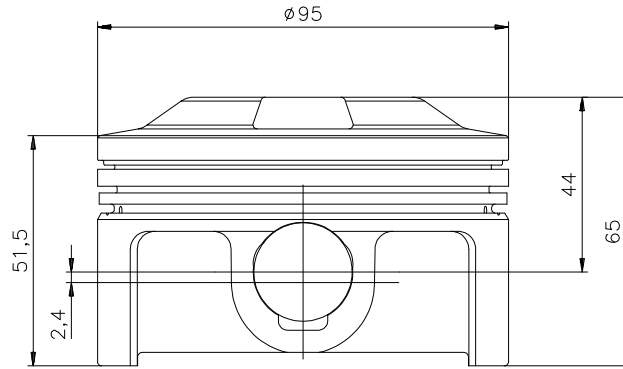
ENGINE PISTON AND RINGS
PISTONE MOTORE E SEGMENTI

C5.2

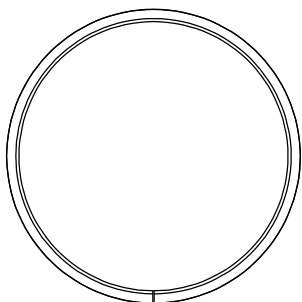
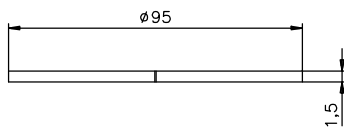
3.2.1.5

ENGINE FAMILY : 02, 03

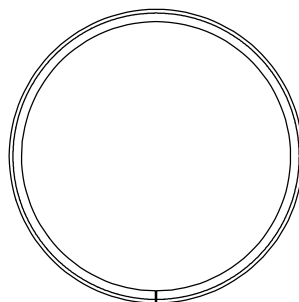
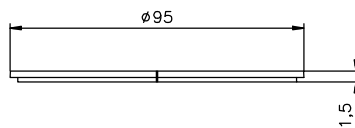
GENERAL TOLERANCE : $\pm 0,5$



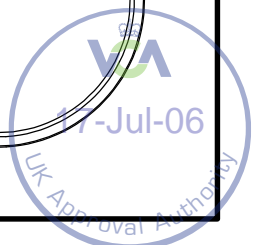
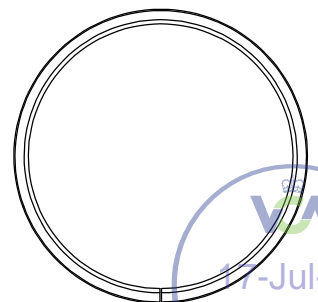
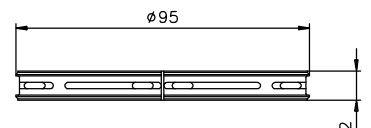
UPPER
piston rings



LOWER
piston rings



SCRAPER
piston rings





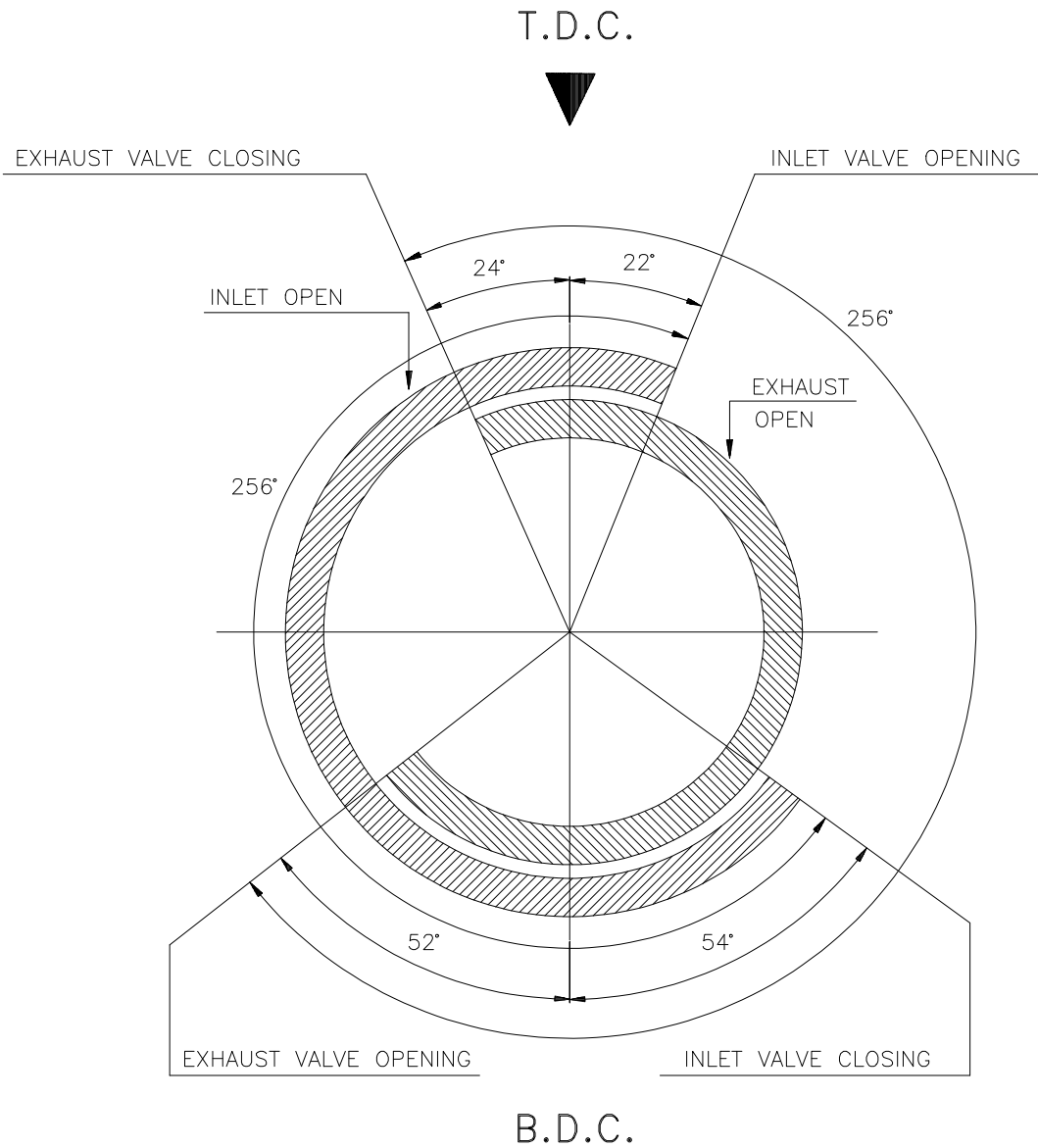
VEHICLE TYPE:

LP

ENGINE DISTRIBUTION
DIAGRAM
DIAGRAMMA DI
DISTRIBUZIONE MOTORE

C6.0

3.2.11



VALUES VALID FOR CAM-LIFT OFF 1,5 mm





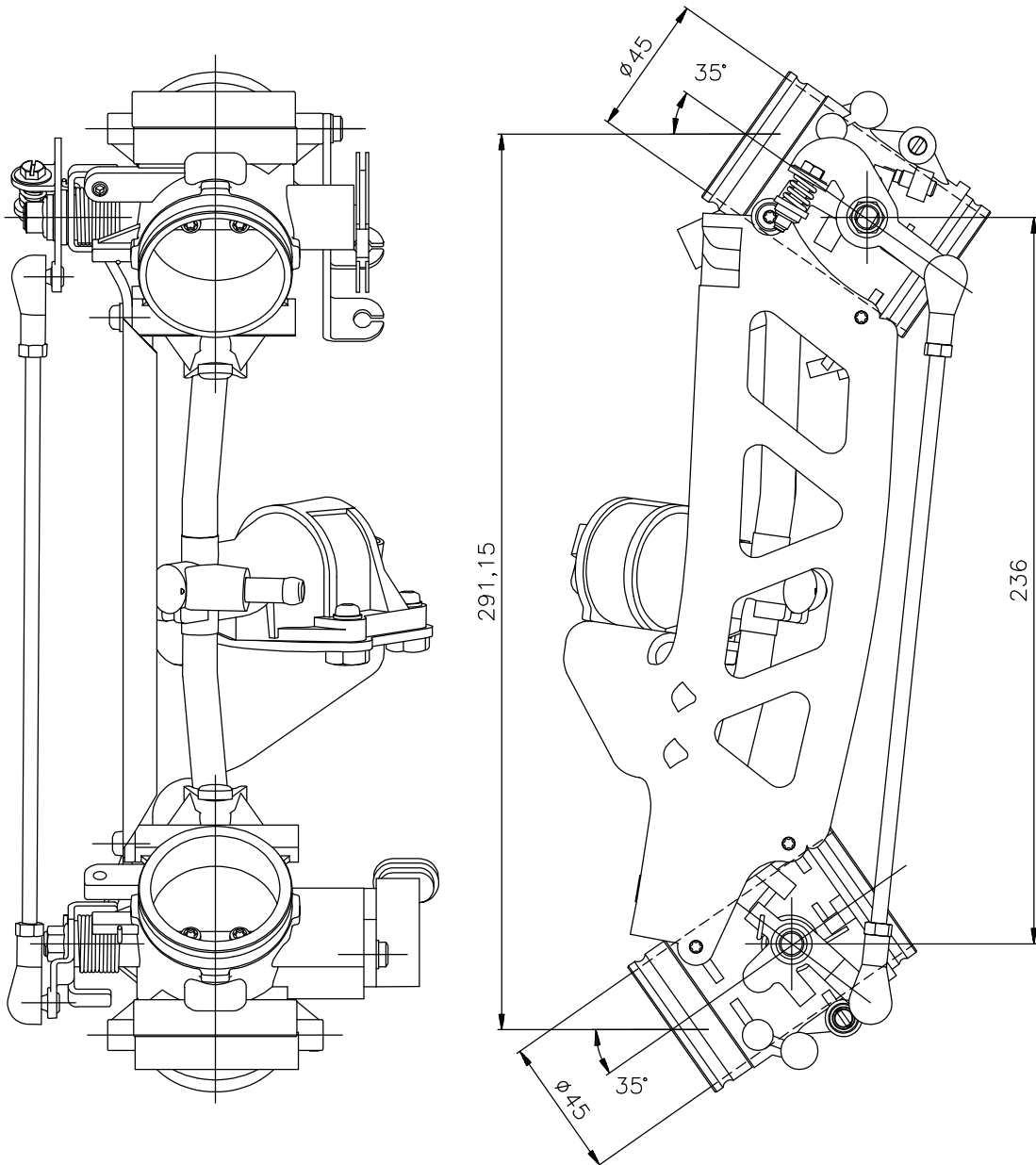
VEHICLE TYPE:

LP

THROTTLE BODY
CORPO FARFALLATO

C8.0

3.2.8.3





VEHICLE TYPE:

LP

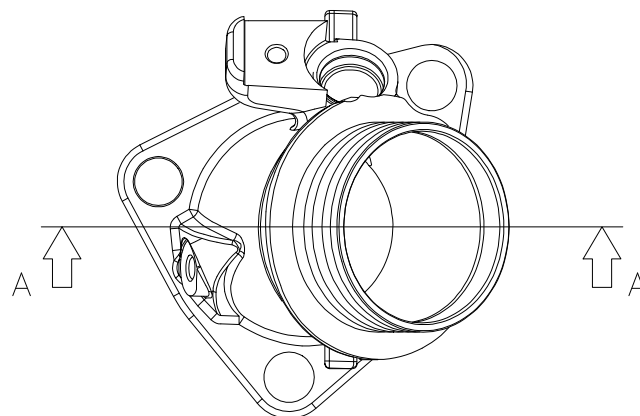
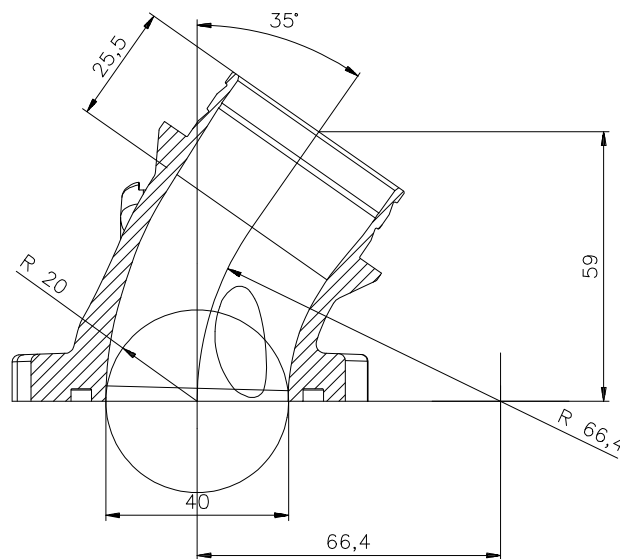
INDUCTION MANIFOLD
COLLETTORE DI
ASPIRAZIONE

C9.0

3.2.8.3.1

GENERAL TOLERANCE : ± 1

Note: one induction manifold for each cylinder





VEHICLE TYPE:

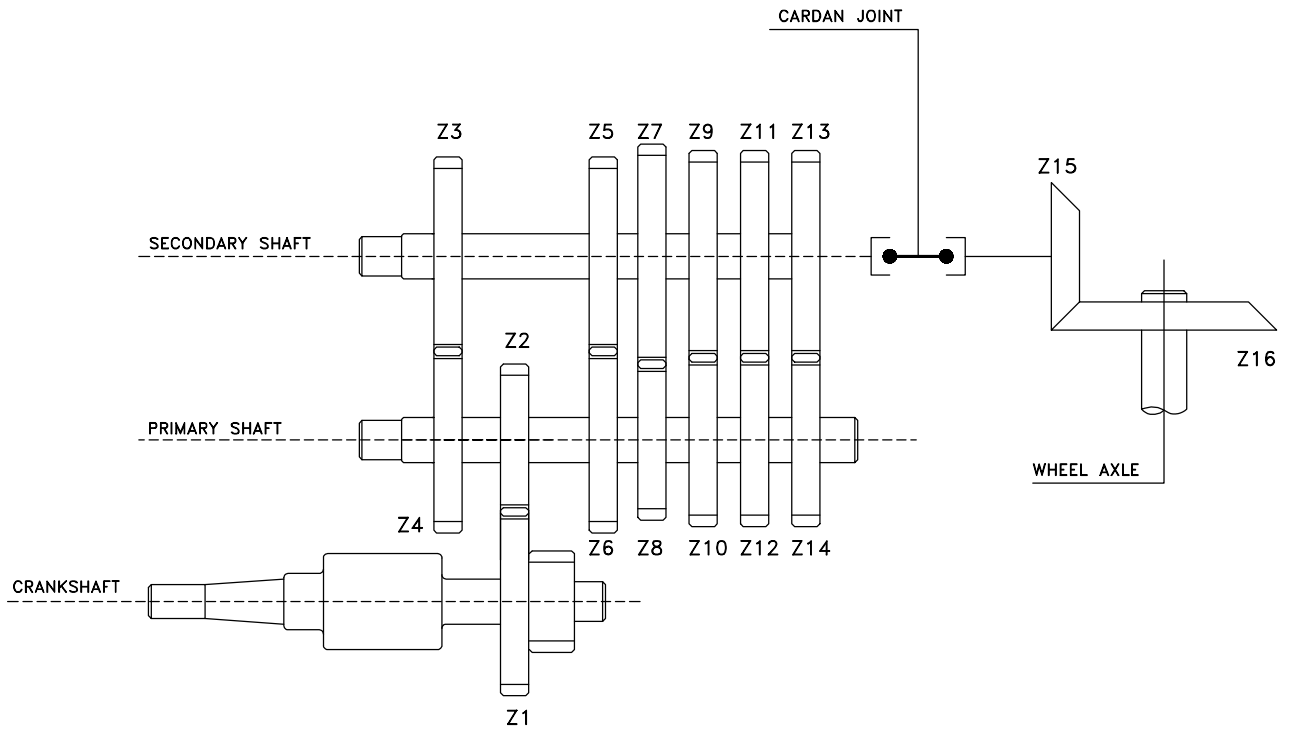
LP

ENGINE TRANSMISSION
DIAGRAM
SCHEMA TRASMISSIONE
MOTORE

C11.0

4.1

ENGINE FAMILY : 00



GEAR SPEED	PRIMARY RATIO	SECONDARY RATIOS	FINAL DRIVE RATIO	OVERALL RATIOS
1st (Z4/Z3)	Z1/Z2 = 26/35 = 1:1,346	Z4/Z3 = 17/38 = 1:2,235	Z15/Z16 = 12/44 = 1:3,666	1:11,033
2nd (Z14/Z13)		Z14/Z13 = 20/34 = 1:1,700		1:8,391
3rd (Z8/Z7)		Z8/Z7 = 23/31 = 1:1,347		1:6,652
4th (Z10/Z9)		Z10/Z9 = 26/29 = 1:1,115		1:5,505
5th (Z6/Z5)		Z6/Z5 = 31/30 = 1:0,967		1:4,776
6th (Z12/Z11)		Z12/Z11 = 29/25 = 1:0,862		1:4,255





VEHICLE TYPE:

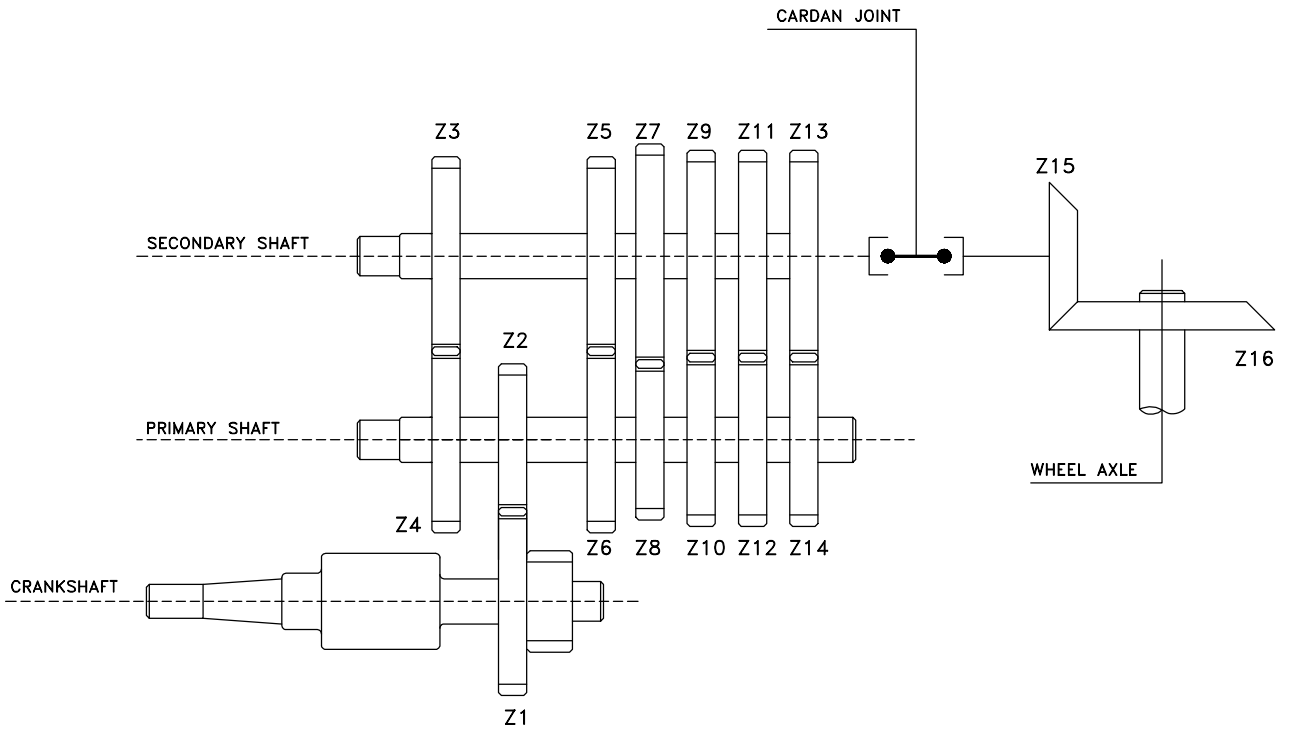
LP

ENGINE TRANSMISSION
DIAGRAM
SCHEMA TRASMISSIONE
MOTORE

C11.1

4.1

ENGINE FAMILY : O1



GEAR SPEED	PRIMARY RATIO	SECONDARY RATIOS	FINAL DRIVE RATIO	OVERALL RATIOS
1st (Z4/Z3)	$Z1/Z2 = 23/36 = 1:1,565$	$Z4/Z3 = 17/38 = 1:2,235$	$Z15/Z16 = 12/44 = 1:3,666$	1:12,828
2nd (Z14/Z13)		$Z14/Z13 = 20/34 = 1:1,700$		1:9,756
3rd (Z8/Z7)		$Z8/Z7 = 23/31 = 1:1,347$		1:7,735
4th (Z10/Z9)		$Z10/Z9 = 26/29 = 1:1,115$		1:6,401
5th (Z6/Z5)		$Z6/Z5 = 31/30 = 1:0,967$		1:5,553
6th (Z12/Z11)		$Z12/Z11 = 29/25 = 1:0,862$		1:4,947





VEHICLE TYPE:

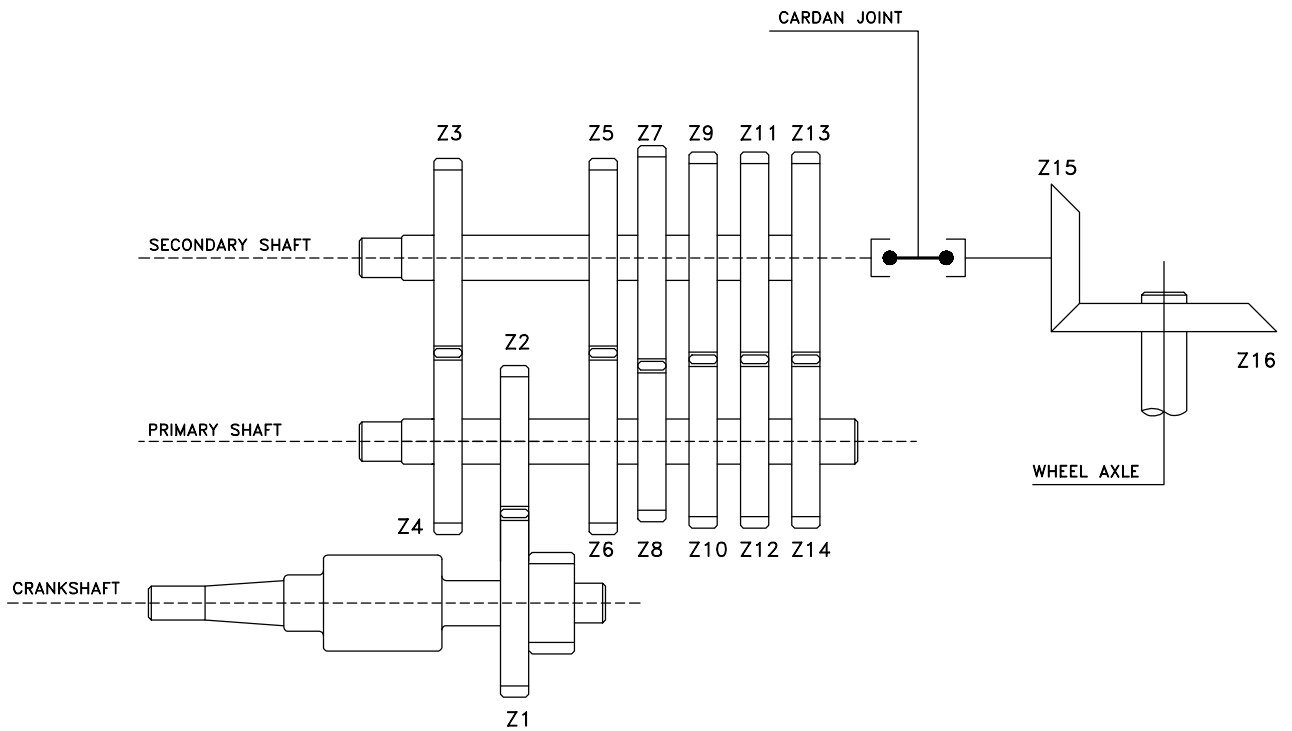
LP

ENGINE TRANSMISSION
DIAGRAM
SCHEMA TRASMISSIONE
MOTORE

C11.2

4.1

ENGINE FAMILY : 02, 03



GEAR SPEED	PRIMARY RATIO	SECONDARY RATIOS	FINAL DRIVE RATIO	OVERALL RATIOS
1st (Z4/Z3)	$Z1/Z2 = 24/35 = 1:1,458$	$Z4/Z3 = 17/38 = 1:2,235$	$Z15/Z16 = 12/44 = 1:3,666$	1:11,952
2nd (Z14/Z13)		$Z14/Z13 = 20/34 = 1:1,700$		1:9,090
3rd (Z8/Z7)		$Z8/Z7 = 23/31 = 1:1,347$		1:7,207
4th (Z10/Z9)		$Z10/Z9 = 26/29 = 1:1,115$		1:5,964
5th (Z6/Z5)		$Z6/Z5 = 31/30 = 1:0,967$		1:5,174
6th (Z12/Z11)		$Z12/Z11 = 29/25 = 1:0,862$		1:4,609





VEHICLE TYPE:

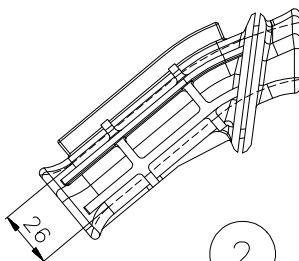
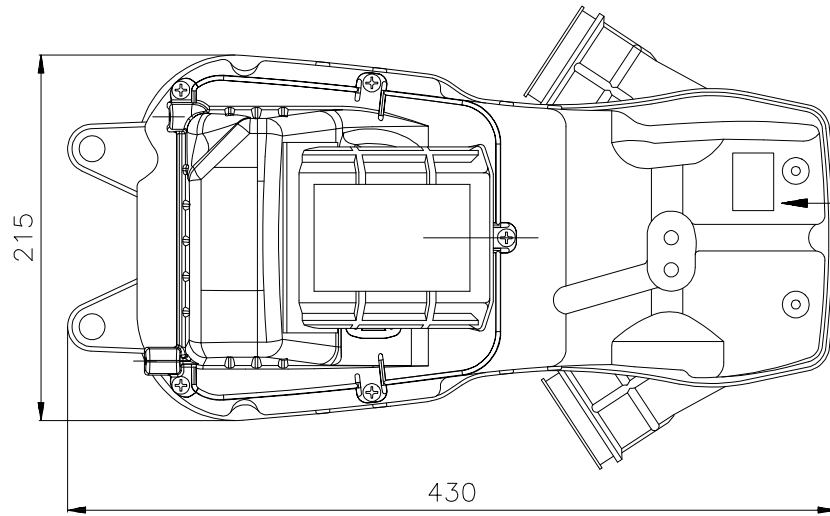
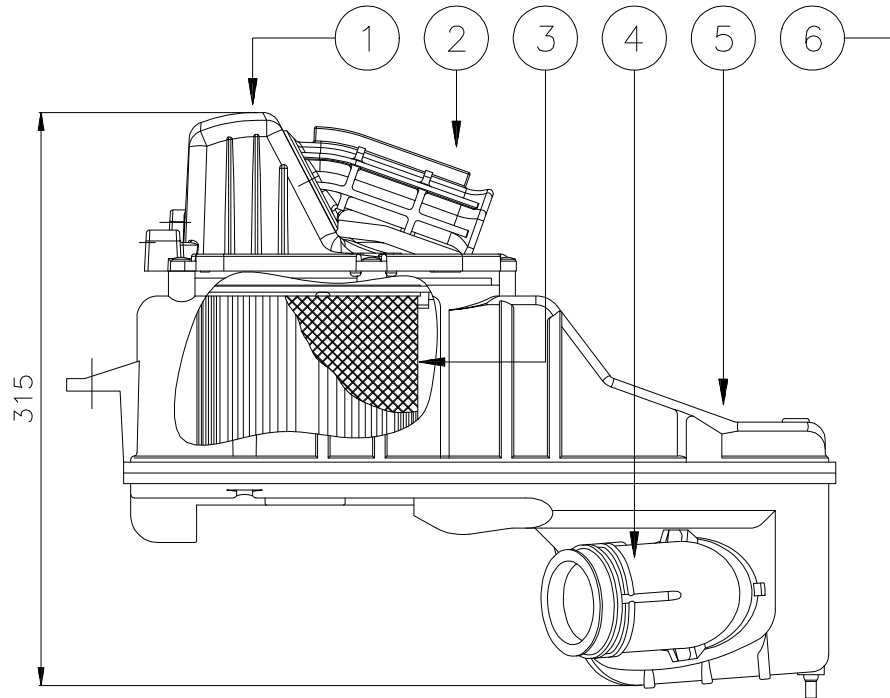
LP

INLET SILENCER
SILENZIATORE DI
ASPIRAZIONE

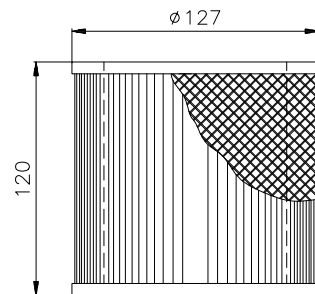
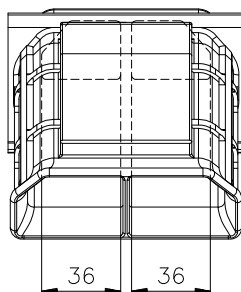
C12.0

0.8 / 3.2.8.3 / 3.2.8.3.2 /
3.2.8.3.3

GENERAL TOLERANCE : ±1

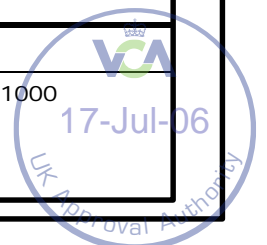


2



3

POS.	DESCRIPTION	POS.	DESCRIPTION
1	UPPER HALF - SHELL	5	LOWER HALF - SHELL
2	INDUCTION MANIFOLD	6	MARKING : MOTO GUZZI ZGU1000
3	AIR FILTER		e11
4	INDUCTION PIPELINE		





VEHICLE TYPE:

LP

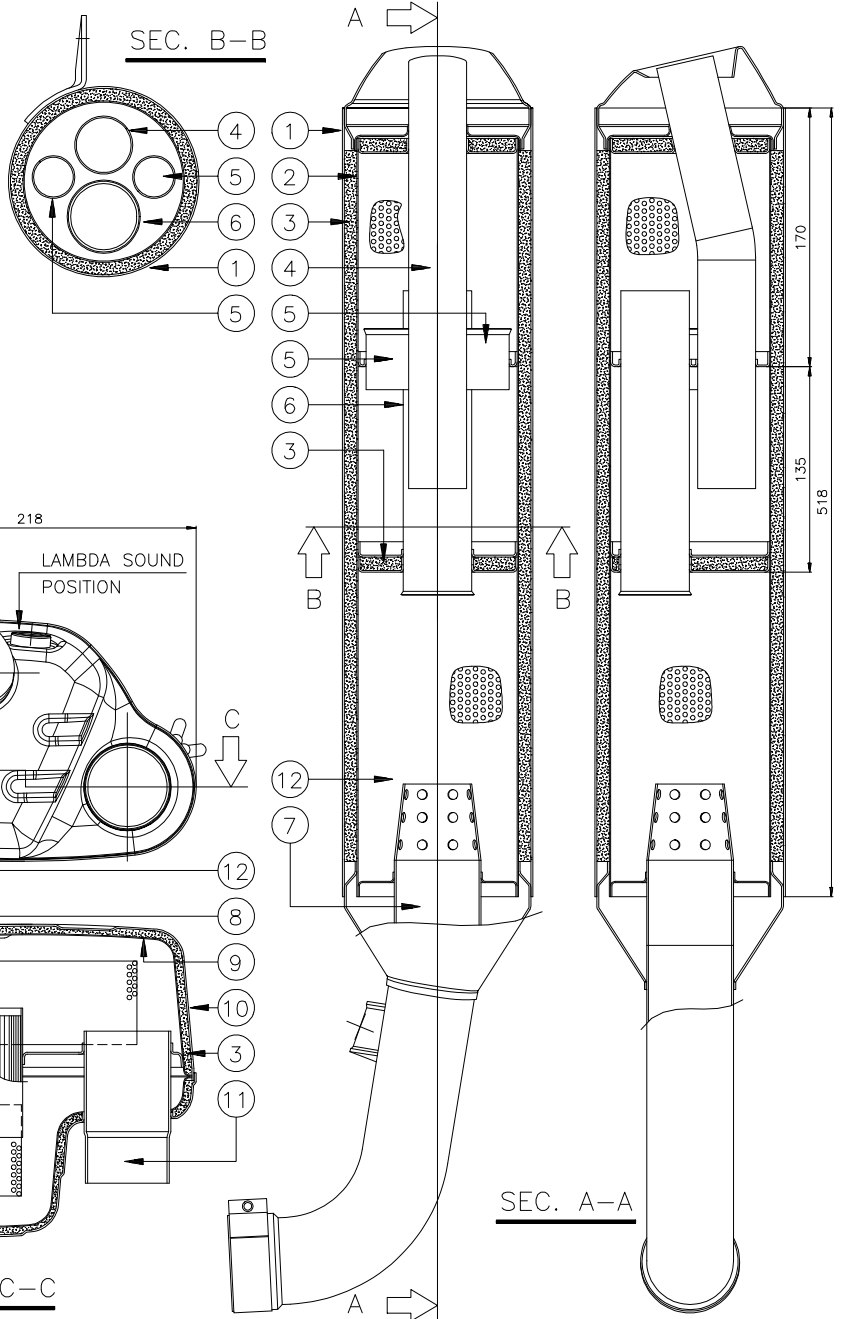
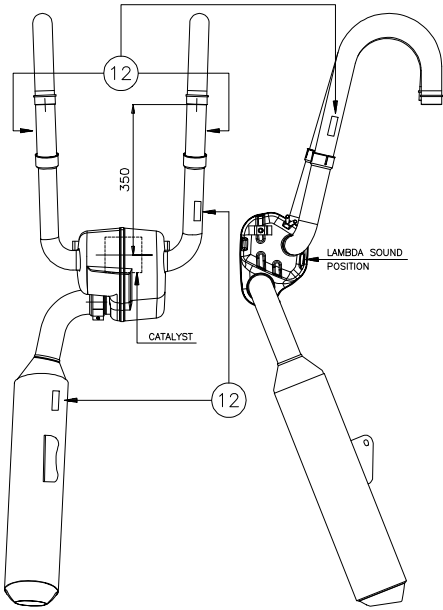
EXHAUST SYSTEM
SISTEMA DI SCARICO

C13.0

0.8 / 3.2.9.1 /
3.2.12.2.1.8

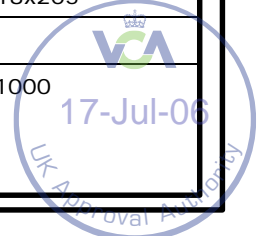
ENGINE FAMILY : 00, 01, 03

GENERAL TOLERANCE : ±1



POS.	DESCRIPTION	POS.	DESCRIPTION
1	EXTERNAL TUBE Ø125x518	8	CATALYST
2	INTERNAL TUBE Ø106x518, PUNCHED Ø3 PITCH 5	9	INTERNAL EXPANSION CHAMBER, PUNCHED Ø3 PITCH 5
3	DEADENING MATERIAL	10	EXPANSION CHAMBER 159x218x205
4	TUBE Øi36	11	TUBE Øi54 / Øi52
5	TUBE Øi26	12	MARKING : MOTO GUZZI ZGU1000
6	TUBE Øi43,4		
7	TUBE Øi54,6		

e11





VEHICLE TYPE:

LP

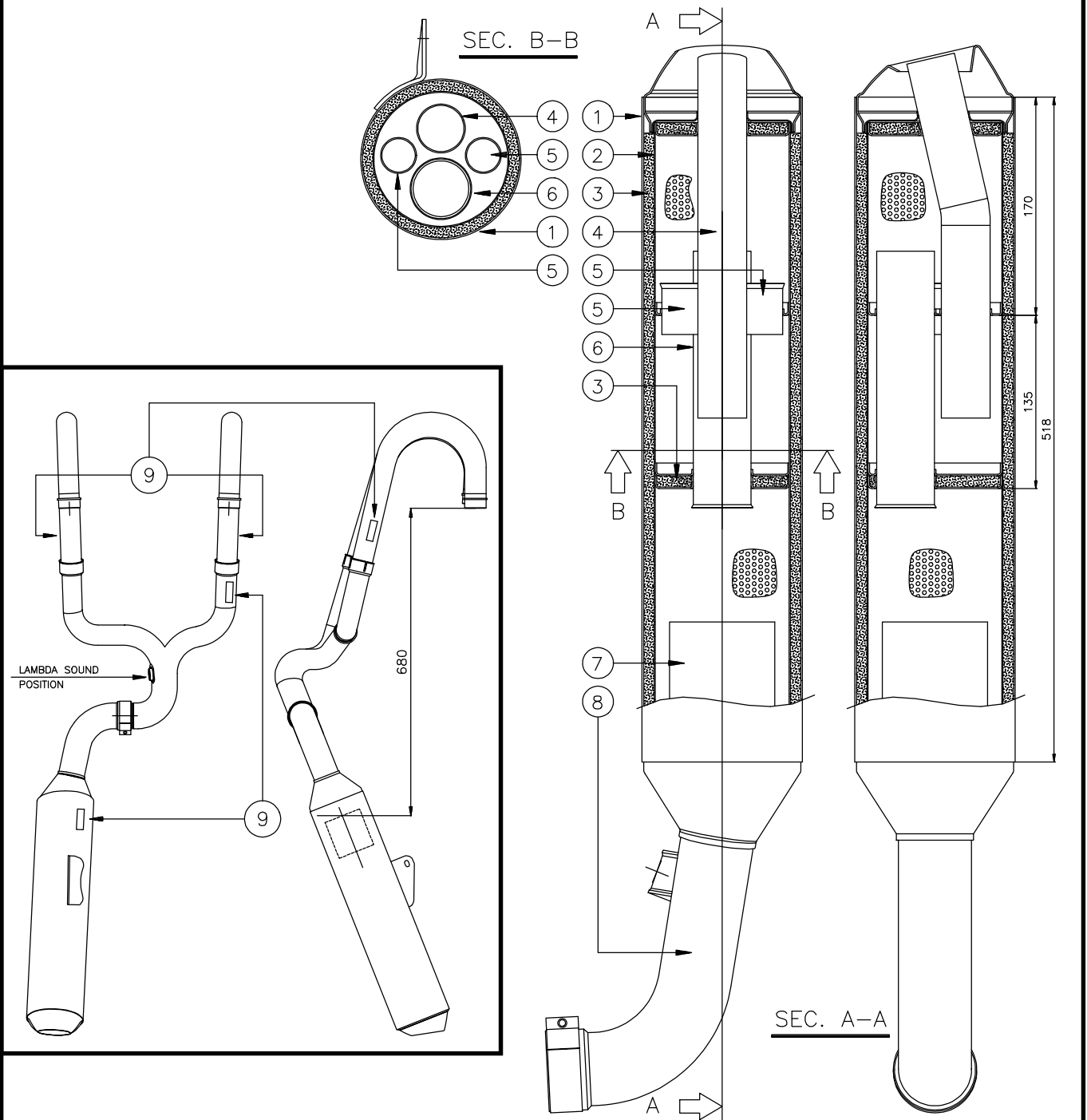
EXHAUST SYSTEM
SISTEMA DI SCARICO

C13.1

0.8 / 3.2.9.1 /
3.2.12.2.1.8

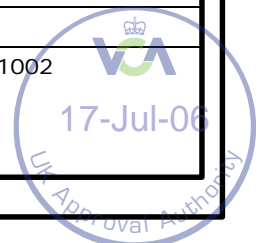
ENGINE FAMILY : O2

GENERAL TOLERANCE : ±1



POS.	DESCRIPTION	POS.	DESCRIPTION
1	EXTERNAL TUBE Ø125x518	6	TUBE Øi43,4
2	INTERNAL TUBE Ø106x518, PUNCHED Ø3 PITCH 5	7	CATALYST
3	DEADENING MATERIAL	8	TUBE Øi54,6
4	TUBE Øi36	9	MARKING : MOTO GUZZI ZGU1002
5	TUBE Øi26		

e11





VEHICLE TYPE:

LP

ANTI AIR POLLUTION DEVICES
DISPOSITIVI CONTRO
L' INQUINAMENTO
ATMOSFERICO

C14.0

3.2.12.2

GENERAL TOLERANCE : ± 1

CATALYST



Precious metal ratio	Precious metal loading	Cell density	Size (X - Y)
Pt /Pd/Rh - 1/13/05	70 gr/cf	200 CPSI	Ø82 x 85





VEHICLE TYPE:

LP

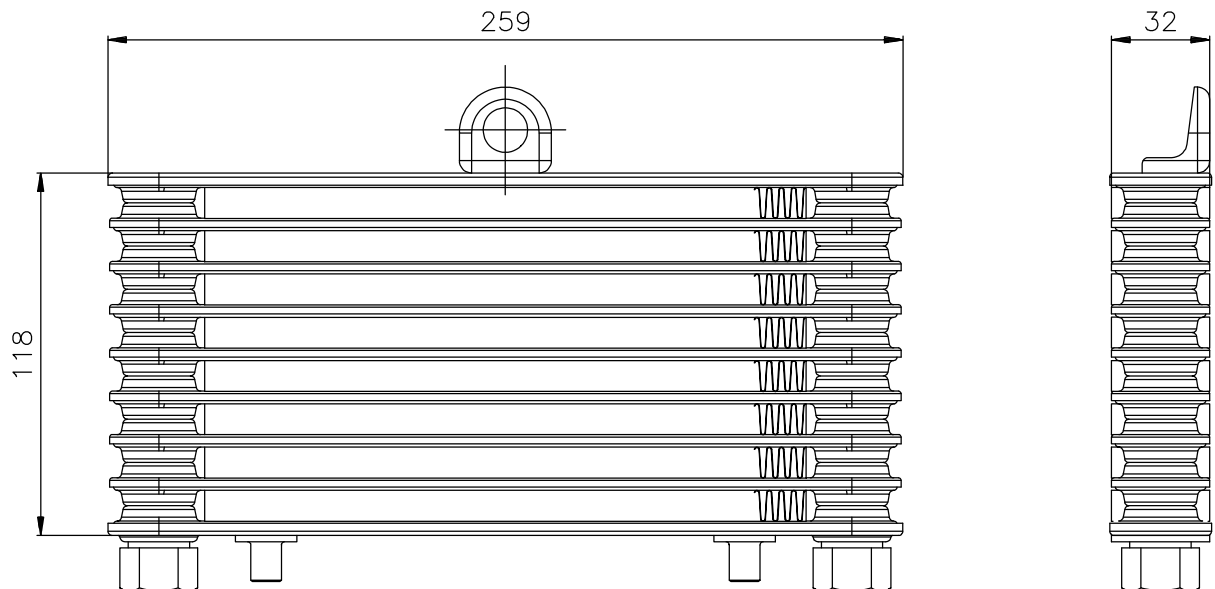
OIL COOLER
RADIATORE OLIO

C15.0

3.6.3.1

ENGINE FAMILY : OO

GENERAL TOLERANCE : ± 1





VEHICLE TYPE:

LP

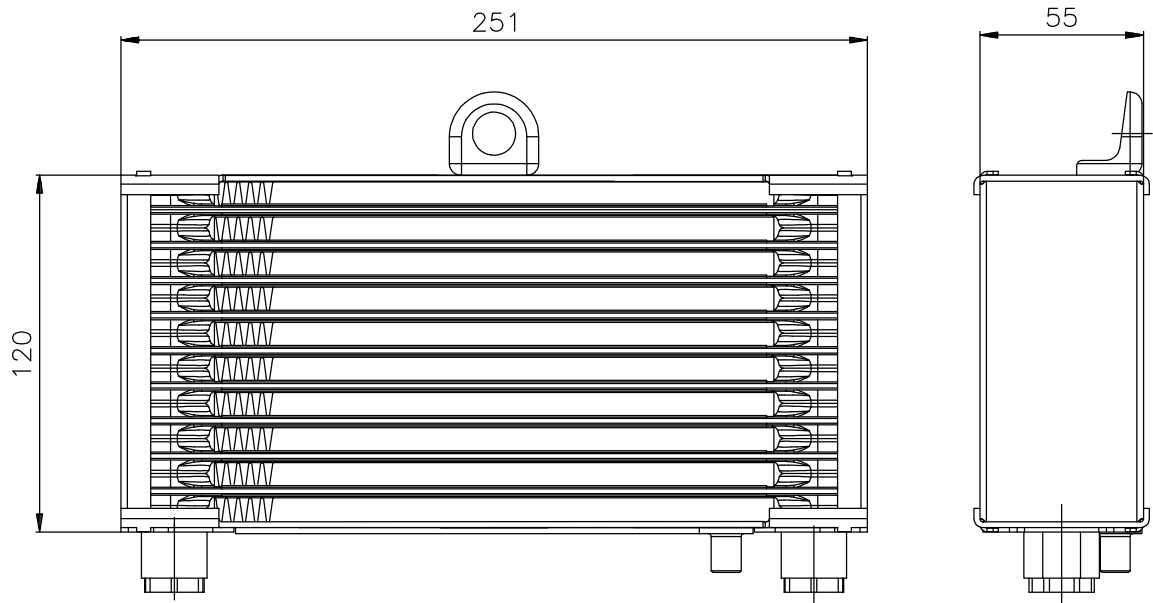
OIL COOLER
RADIATORE OLIO

C15.1

3.6.3.1

ENGINE FAMILY : 02, 03

GENERAL TOLERANCE : ± 1





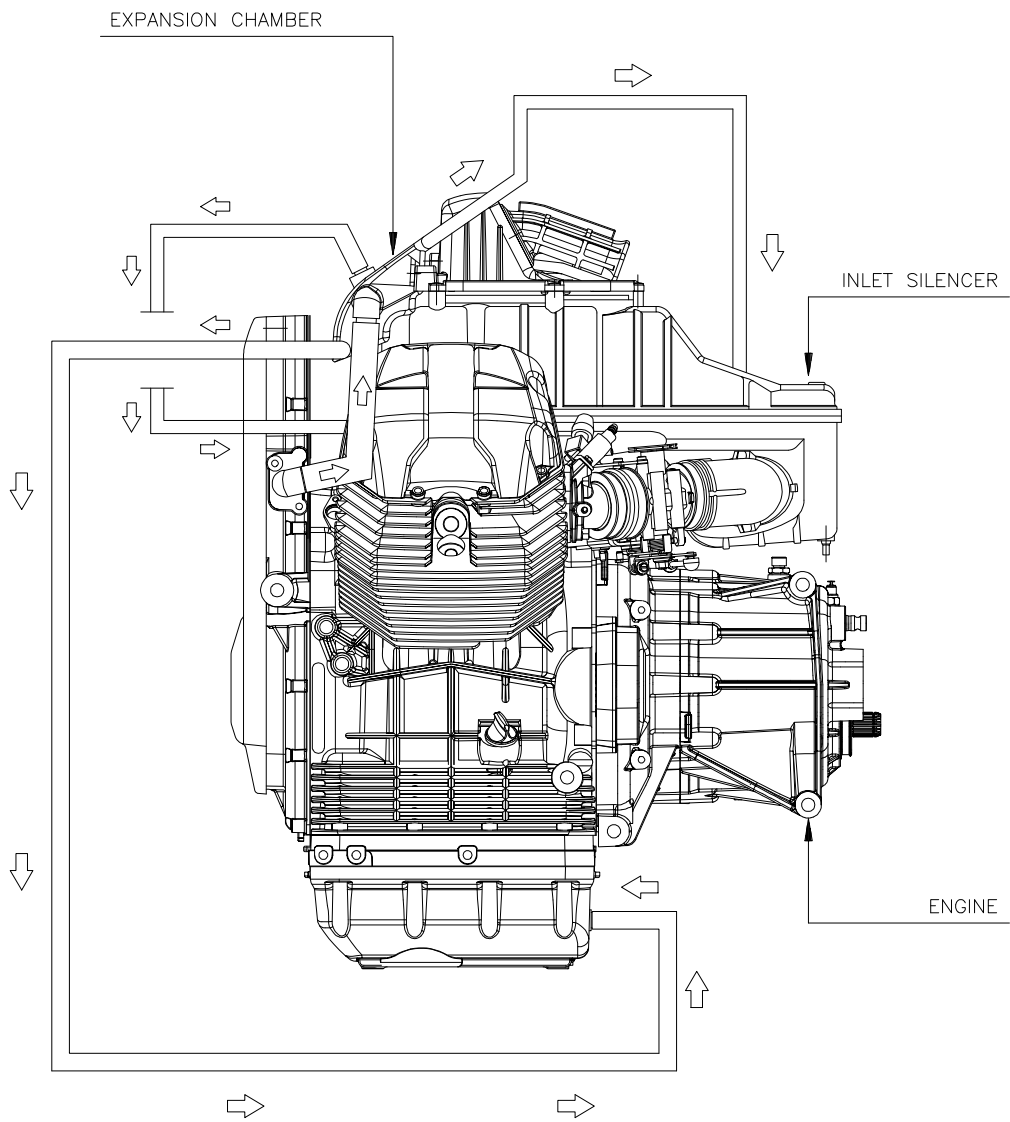
VEHICLE TYPE:

LP

GAS SCAVENGING SCHEME
FROM THE ENGINE BLOCK
SCHEMA DEL RECUPERO DEI
GAS DAL BASAMENTO

C17.0

3.2.12.1





VEHICLE TYPE:

LP

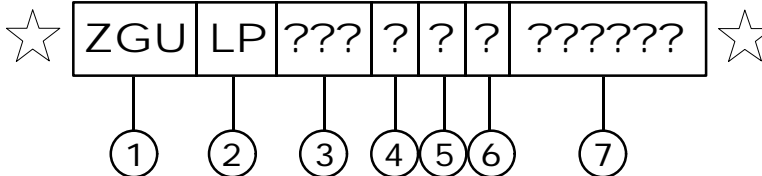
STATUTORY MARKINGS
ISCRIZIONI REGOLAMENTARI

D1.0

0.3.1/0.7/9.3.2/9.3.3

FRAME PUNCHING

Position:
see pages A2.0, A3.0



PUNCHING MEANING

- 1 - Manufacturer's identification alphanumeric code.
- 2 - Motorvehicle identification type.
- 3 - Variant and version.
- 4 - Free digit (at discretion of the manufacturer).
- 5 - Production year (ISO 3779 - 3780).
- 6 - Assembling factory designation : (M = MANDELLO DEL LARIO -LC-).
- 7 - Frame progressive number

1 2 3 4 5 6 7 8 9 0 *
 A B C D E F G H J K L M
 N P R S T U V W X Y Z

C
H
A
R
A
C
T
E
R
S

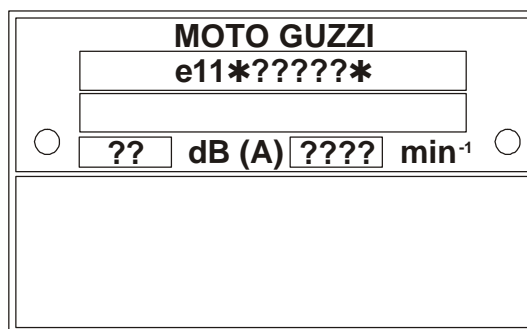
1 2 3 4 5 6 7 8 9 0 ☆
 A B C D E F G H J K L M
 N P R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 0 ☆
 A B C D E F G H J K L M
 N P R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 0 ☆
 A B C D E F G H J K L M
 N P R S T U V W X Y Z

MANUFACTURER PLATE

Position:
see pages A2.0, A3.0





Extension 03 to TECHNICAL REPORT

No. 350 - 0346 - 04 - ITA

Test according to the directives about

the braking systems of two or three-wheel motor vehicles

No. 93/14/EEC

dated: 05.04.1993

I. Technical description

- | | | |
|-------|---|---|
| 0.1 | Make: | Moto Guzzi |
| 0.2 | Type: | LP |
| 0.2.1 | Variant/Version: | ? / ?? |
| 0.3 | Sort: | Motorcycle (according to 2002/24/EC) |
| 0.4 | Category of vehicle: | L3e (according to 2002/24/EC);
D (according to 97/24/EC, Chapter 7) |
| 0.5 | Name and address of the manufacturer: | Moto Guzzi S.p.A
Via E. Parodi, 57
I-23826 Mandello del Lario (LC) |
| 0.6 | Name of the manufacturers representative: | Not applicable |
| 0.7 | Location of approval mark: | Not applicable |
| 0.8 | Reasons for Extension | - Front brake discs as alternative;
- Documents updating. |



Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 2

II. Test record

1. Test conditions

1.1. Technical dates of the test vehicle

commercial description ---

Vehicle identification number:

Equipment type "A"

Variant/version 0/??, B/?: ZGULP00004M111121 (Prototype)

Variant/version A/??, E/?: ZGULP00045M113045

(Prototype equipped with Antilock
braking system – ABS)

Equipment type "B"

Variant/version M/00: ZGULP00065M112425 (Prototype)

Dimension of tire

front wheel: 120/70 - ZR17 58W

rear wheel: 180/55 - ZR17 73W

1.2. measuring instruments:

deceleration-measuring-part
force measurement via strain gauges,
protocol of force, deceleration,
velocity, needed length to vehicle stop

1.3. Other conditions

- weather:

dry

- test track:

asphalt

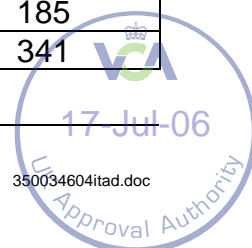
1.4. Load/test weight kg:

Variant/version 0/??, A/??,
B/??, E/??, G/??

	loaded (kg)	unloaded (kg)
Axle 1	178	150
Axle 2	300	178
Total	478	328

Variant/version H/?:

	loaded (kg)	unloaded (kg)
Axle 1	178	156
Axle 2	300	185
Total	478	341





2. Test record

Equipment Type "A"

Break systems without ABS:

- Front Brake disc: Ø 320 mm, 64 holes Ø 7 mm
- Front Calliper: 2 pistons Ø 34 mm and 2 pistons Ø 30 mm
- Front Break pump: Ø 16 mm

- Rear Brake disc: Ø 282 mm, 54 holes Ø 7 mm
- Rear Calliper: 1 piston Ø 28 mm and 1 piston Ø 26 mm
- Rear Break pump: Ø 13 mm

2.1 **Equipment 1**

- Front brake calliper equipped with FERIT ID 450 Brake-Pads- Friction material
- Rear brake calliper equipped with TEXTAR 4069 Brake-Pads- Friction material

Test Type 0

2.1.1 coupled

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
both brakes 0,3 v _{max} unloaded	59,7	7,9	72	93
both brakes 0,55 v _{max} unloaded	108	6,5	56	106
both brakes 0,80 v _{max} unloaded	161	6,2	50	98





Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 4

2.1.2. uncoupled, unloaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,2	8,2	66	--
Rear wheel brake	60,6	4,3	--	126

2.1.3. uncoupled, loaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,0	6,0	77	--
Rear wheel brake	60,6	4,2	--	152

2.1.4. Test Type I with continuous braking:

$v_{1front} = 100 \text{ km/h}; v_2 = 0 \text{ km/h};$ $s = 1000,$ $n = 10$
 $v_{1rear} = 80 \text{ km/h};$

strength according $d_m = 3 \text{ m/s}^2$ axle 1: 39 N
axle 2: 99 N

Uncoupled Loaded	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	59,8	6,0	74	---
Rear wheel brake	61,7	4,4	---	154





Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 5

2.1.5. Test with wet brakes:

Applied force corresponding to 2,5 m/s ² with dry brakes:	test speed	actuating force [N]	
Uncoupled, Unloaded	[km/h]	axle 1	axle 2
Front wheel brake	60	32	--
Rear wheel brake	60	--	79
Uncoupled, Loaded			
Front wheel brake	60	37	--
Rear wheel brake	60	--	93

Brake wetted over a distance of 500 m with 15 l/h water,
speed: 60 km/h

Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Unloaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	61,0	2,1	31	--
Rear wheel brake	58,7	2,5	--	81

Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Loaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	59,1	2,5	36	--
Rear wheel brake	59,0	2,4	--	94

(+) Wheel is going to block, if higher forced are applied





2.2 Equipment 2

- Front brake calliper equipped with TT 2172 Brake-Pads- Friction material
- Rear brake calliper equipped with TT 2701 Brake-Pads-Friction material

Test Type 0

2.2.1 coupled

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
both brakes 0,3 v _{max} unloaded	61,0	6,2	65	95
both brakes 0,55 v _{max} unloaded	108,0	7,0	61	94
both brakes 0,80 v _{max} unloaded	156,0	6,9	63	113

2.2.2. uncoupled, unloaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,5	6,8	64	--
Rear wheel brake	59,8	4,2	--	121

2.2.3. uncoupled, loaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,4	6,5	63	--
Rear wheel brake	60,4	4,5	--	116





2.2.4. Test Type I with continuous braking:

V_{1front} = 100 km/h; v₂ = 0 km/h; s = 1000, n = 10
V_{1rear} = 80 km/h;

strength according d_m = 3 m/s² axle 1: 30 N
axle 2: 76 N

uncoupled loaded	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	59,8	6,1	63	---
Rear wheel brake	59,9	4,0	---	116

2.2.5. Test with wet brakes:

Applied force corresponding to 2,5 m/s ² with dry brakes:	test speed	actuating force [N]	
Uncoupled, Unloaded	[km/h]	axle 1	axle 2
Front wheel brake	60	26	--
Rear wheel brake	60	--	70
Uncoupled, Loaded			
Front wheel brake	60	28	--
Rear wheel brake	60	--	60

Brake wetted over a distance of 500 m with 15 l/h water,
speed: 60 km/h

Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Unloaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	61,7	1,8	26	--
Rear wheel brake	61,2	2,1	--	71





Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Loaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	59,6	2,9	28	--
Rear wheel brake	59,0	2,1	--	61

2.3 Equipment 3

- Front brake calliper equipped with FERIT ID 450 Brake-Pads- Friction material
- Rear brake calliper equipped with TT 2701 Brake-Pads-Friction material

Test Type 0

2.3.1 coupled

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
both brakes 0,3 v _{max} unloaded	59,5	7,0	65	99
both brakes 0,55 v _{max} unloaded	110,0	6,9	62	86
both brakes 0,80 v _{max} unloaded	155,0	6,8	54	88

2.4 Equipment 4

- Front brake calliper equipped with TT 2172 Brake-Pads- Friction material
- Rear brake calliper equipped with TEXTAR 4069 Brake-Pads-Friction material

Test Type 0

2.4.1 coupled

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
both brakes 0,3 v _{max} unloaded	61,0	6,9	61	108
both brakes 0,55 v _{max} unloaded	110,0	7,0	40	120
both brakes 0,80 v _{max} unloaded	160,0	7,7	50	98





Break systems with ABS:

Front Brake disc:	Ø 320 mm, 64 holes Ø 7 mm
Front Calliper:	2 pistons Ø 34 mm and 2 pistons Ø 30 mm
Front Break pump:	Ø 16 mm
Rear Brake disc:	Ø 282 mm, 54 holes Ø 7 mm
Rear Calliper:	1 piston Ø 28 mm and 1 piston Ø 26 mm
Rear Break pump:	Ø 13 mm

2.5 Equipment 5

- Front brake calliper equipped with TT 2172 Brake-Pads- Friction material
- Rear brake calliper equipped with TT 2701 Brake-Pads- Friction material

Test Type 0

2.5.1 coupled

	test speed	deceleration	actuating force [N]	
	[km/h]	[m/s ²]	axle 1	axle 2
both brakes 0,3 v _{max} unloaded	60,3	7,3	69	131
both brakes 0,55 v _{max} unloaded	110	7,6	80	110
both brakes 0,80 v _{max} unloaded	158	7,4	76	102



Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 10

2.5.2. uncoupled, unloaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	61,1	7,6	115	--
Rear wheel brake	59,3	4,0	--	222

2.5.3. uncoupled, loaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,8	6,9	113	--
Rear wheel brake	59,7	4,5	--	176

2.5.4. Test Type I with continuous braking:

$v_{1front} = 100 \text{ km/h}; v_2 = 0 \text{ km/h}; s = 1000, n = 10$
 $v_{1rear} = 80 \text{ km/h};$

strength according $d_m = 3 \text{ m/s}^2$ axle 1: 38 N
axle 2: 97 N

Uncoupled Loaded	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,4	6,5	118	---
Rear wheel brake	61,7	4,4	---	180





Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 11

2.5.5. Test with wet brakes:

Applied force corresponding to 2,5 m/s ² with dry brakes:	test speed	actuating force [N]	
Uncoupled, Unloaded	[km/h]	axle 1	axle 2
Front wheel brake	60	33	--
Rear wheel brake	60	--	69
Uncoupled, Loaded			
Front wheel brake	60	37	--
Rear wheel brake	60	--	84

Brake wetted over a distance of 500 m with 15 l/h water,
speed: 60 km/h

Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Unloaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	61,0	1,5	35	--
Rear wheel brake	58,7	1,9	--	67

Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Loaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	59,1	1,6	35	--
Rear wheel brake	59,0	2,8	--	83

(+) Wheel is going to block, if higher forced are applied





2.5.6 ABS Testing

The vehicle was tested according Appendix 2, Item 4 of this directive.

2.5.6.1 Coefficient of adhesion utilization ϵ

	higher value of coefficient of adhesion > 0,8	lower value of coefficient of adhesion < 0,45
Axle 1	0,94	0,95
Axle 2	0,84	1,05

2.5.6.2 Additional checks

2.5.6.2.1 Higher value of coefficient of adhesion, full force suddenly applied, test speed 80 km/h.

Axle 1: The vehicle is stable, the wheel doesn't lock
 Axle 2: The vehicle is stable, the wheel doesn't lock
 Axle 1 and 2: The vehicle is stable, the wheels don't lock

2.5.6.2.2 Lower value of coefficient of adhesion, full force suddenly applied, test speed 80 km/h.

Axle 1: The vehicle is stable, the wheel doesn't lock
 Axle 2: The vehicle is stable, the wheel doesn't lock
 Axle 1 and 2: The vehicle is stable, the wheels don't lock

2.5.6.2.3 Passing from higher value to lower value of coefficient of adhesion, full force applied, test speed 50 km/h.

Axle 1: The vehicle is stable, the wheel doesn't lock
 Axle 2: The vehicle is stable, the wheel doesn't lock
 Axle 1 and 2: The vehicle is stable, the wheels don't lock

2.5.6.2.4 Passing from lower value to higher value of coefficient of adhesion, full force applied, test speed 50 km/h.

Axle 1: The vehicle is stable, the wheel doesn't lock
 Axle 2: The vehicle is stable, the wheel doesn't lock
 Axle 1 and 2: The vehicle is stable, the wheels don't lock
 The deceleration of the vehicle rises to the appropriate high value within a reasonable time.





Equipment Type “B”

Break systems without ABS:

- Front Brake disc: Ø 320 mm, 18 slot
- Front Calliper: 2 pistons Ø 34 mm and 2 pistons Ø 30 mm
- Front Break pump: Ø 16 mm

- Rear Brake disc: Ø 282 mm, 54 holes Ø 7 mm
- Rear Calliper: 1 piston Ø 28 mm and 1 piston Ø 26 mm
- Rear Break pump: Ø 13 mm

2.6 Equipment 6

- Front brake calliper equipped with FERIT ID 450 Brake-Pads- Friction material
- Rear brake calliper equipped with TT 2701 Brake-Pads- Friction material

Test Type 0

2.6.1 coupled

	test speed	deceleration	actuating force [N]	
	[km/h]	[m/s ²]	axle 1	axle 2
both brakes 0,3 v _{max} unloaded	60,0	8,3	59	123
both brakes 0,55 v _{max} unloaded	112	8,6	70	108
both brakes 0,80 v _{max} unloaded	160	8,4	64	102





Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 14

2.6.2. uncoupled, unloaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,1	8,5	74	--
Rear wheel brake	--	--	--	--

2.6.3. uncoupled, loaded

	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,3	8,7	91	--
Rear wheel brake	--	--	--	--

2.6.4. Test Type I with continuous braking:

$v_{1front} = 100 \text{ km/h}; v_2 = 0 \text{ km/h}; s = 1000, n = 10$
 $v_{1rear} = 80 \text{ km/h};$

strength according $d_m = 3 \text{ m/s}^2$ axle 1: 24 N
axle 2: -- N

Uncoupled Loaded	test speed [km/h]	deceleration [m/s ²]	actuating force [N]	
			axle 1	axle 2
Front wheel brake	60,4	8,4	89	---
Rear wheel brake	--	--	---	--





Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 15

2.6.5. Test with wet brakes:

Applied force corresponding to 2,5 m/s ² with dry brakes:	test speed	actuating force [N]	
Uncoupled, Unloaded	[km/h]	axle 1	axle 2
Front wheel brake	60	19	--
Rear wheel brake	60	--	--
Uncoupled, Loaded			
Front wheel brake	60	23	--
Rear wheel brake	60	--	--

Brake wetted over a distance of 500 m with 15 l/h water,
speed: 60 km/h

Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Unloaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	61,0	1,8	21	--
Rear wheel brake	--	--	--	--

Uncoupled	test speed	deceleration (0,5 s ÷ 1,0 s)	actuating force [N]	
Loaded	[km/h]	[m/s ²]	axle 1	axle 2
Front wheel brake	60,1	1,6	24	--
Rear wheel brake	--	--	--	--

(+) Wheel is going to block, if higher forced are applied





3. Further Test results

3.1. Statement to another equipment of tires

3.2. Vehicle with antiblock system

On the vehicles not equipped with antilock braking system, all types of front pads are possible to combine with every type of rear pads.

On the vehicles equipped with antilock braking system, there is one possible configuration to combine the type of front pads with the type of rear pads:

4. Place and date of the test:

Variant/version O/??, B/??: Asiago (VI), 13.12.2004

Variant/version A/??, E/??: Anagni (FR), 01.12.2005,
Asiago (VI), 19.12.2005

Variant/version M/00: Sesto san Giovanni (MI), 22.06.2006



Automotive

Technical Report No. 350-0346-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

93/14/EEC

Page 17

III. Enclosures

- Information Document No. ZGU/LP/2002/24/rev.03 dated 03.07.2006
(see attachment 1 to Technical Report No. 350-0345-04-ITA Ext.04).

IV. Final Confirmation

The given information and the described vehicle type therein are in accordance with the above mentioned test basis, the 93/14/EEC dated 05.04.1993. All known variants and versions of this type (depending on the maximum net power and maximum speed) are covered by this Test Report. The test equipment, facilities and test site fulfilled the requirements of the applicable legislation.

This test report consists of sheet 1 to 17.



Recognised Expert
Francesco Medici

fm Sesto San Giovanni – MI (I), the 10-Jul-2006

Cd06 - 158092





Extension 03 to TECHNICAL REPORT No. 350 - 0347 - 04 - ITA

Test according to the EC-directive on the approximation of the laws of the Member States relating to
the maximum design speed, maximum torque and maximum net engine power of two or three-wheel motor vehicles

No. : 95/1/EC

Dated: 02-Feb.-1995

included the amendment No.:2006/27/EC

Dated: 03-Mar.-2006

I. Technical description

- 0.1. Make: Moto Guzzi
- 0.2. Type: LP
- 0.3. Variant/Version: ? / ??
Engine Family 00, 01, 02, 03
- 0.4. Sort: Motorcycle (according to 2002/24/EC)
Category of vehicle: **L3e** (according to 2002/24/EC);
D (according to 97/24/EC, Chapter 7)
- 0.5. Name and address of the manufacturer: Moto Guzzi S.p.A.
Via E. V. Parodi, 57
I-23826 Mandello del Lario (LC)
- Italy -
- 0.6. Name and address of manufacturers representative Not applicable
- 0.7. Location of the approval mark Not applicable
- 0.8. Reasons for Extension - New variant/version L/00, L/01, M/00, M/01;
- Documents updating.



Automotive

Technical Report No.	350-0347-04-ITA Ext.03	95/1/EC
Manufacturer:	Moto Guzzi S.p.A.	
Type:	LP Engine Family: 00, 01, 02, 03	Page 2

II. Test record

1. Maximum design speed (Annex I)

1.1. Test conditions

1.1.1. Technical dates of the test vehicle

Type	LP
Vehicle Identification-No.:	
Engine family 00	ZGULP00004M111121 (Prototype)
Engine family 01	ZGULP00085M111188 (Prototype)
Engine family 02, 03	ZGULP00095M112978 (Prototype)

Engine type

Engine family 00	Moto Guzzi KP
Engine family 01	Moto Guzzi A1
Engine family 02, 03	Moto Guzzi A2

Transmission

**See Information Document
No.: ZGU / LP / 2002 / 24 / rev.03**

Maximum design speed:

	Variant / version	Engine family
210 km/h	O/??, A/??	00
185 km/h	B/??, E/??	01
215 km/h	G/??, M/?? (*)	02, 03
220 km/h	H/??	02, 03
190 km/h	L/?? (*)	01

(*) For maximum design speed of Variant/Version M/?? and L/??, see enclosure 4 regarding the Manufacturer's Declaration in according to 2006/27/EC, Annex III.





Automotive

Technical Report No.	350-0347-04-ITA Ext.03	95/1/EC
Manufacturer:	Moto Guzzi S.p.A.	
Type:	LP Engine Family: 00, 01, 02, 03	Page 3

- 1.1.2. Measuring instruments: 2 light barriers
- 1.1.3. Tests: According to annex I type 4.2.1.
- 1.1.4. Test results:

	Variant / version	Engine family
208,2 km/h	0/??, A/??	00
186,3 km/h	B/??, E/??	01
215,4 km/h	G/??	02, 03
219,1 km/h	H/??	02, 03

- 1.1.5. Place and date of test:
 - Engine family 00: Noale (VE), 14-Dec.-2004
 - Engine family 01: Noale (VE), 10-Feb.-2006
 - Engine family 02, 03: Noale (VE), 26-Apr.-2006

2. Maximum Torque and Engine Power (Annex II)

2.1. Test conditions

2.1.1. Technical data of the test engine

- Engine Manufacturer: Moto Guzzi S.p.A.
Via E. V. Parodi, 57
I-23826 Mandello del Lario (LC)
– Italy -
- Characteristics of the engine: See information document attached
- Cylinder capacity:
 - Engine Family 00: 1064 cm³
 - Engine Family 01: 877 cm³
 - Engine Family 02, 03: 1151 cm³





Automotive

Technical Report No.	350-0347-04-ITA Ext.03	95/1/EC
Manufacturer:	Moto Guzzi S.p.A.	
Type:	LP Engine Family: 00, 01, 02, 03	Page 4

Maximum net power, nominal:

Engine Family 00:	63,0 kW at 7500 min ⁻¹
Engine Family 01:	54,0 kW at 7650 min ⁻¹
Engine Family 02, 03:	68,0 kW at 7250 min ⁻¹

Net maximum torque, nominal:

Engine Family 00:	85,0 Nm at 6800 min ⁻¹
Engine Family 01:	70,0 Nm at 6650 min ⁻¹
Engine Family 02, 03:	96,2 Nm at 5500 min ⁻¹

- 2.2. Measuring instruments: See 2.4. (Test results)

- 2.3. Tests: According to annex II, appendix 2

- 2.4. Test results: See attachments

- 2.5. Place and date of test:
 - Engine Family 00: Mandello del Lario (LC), 07-Dec.-2004
 - Engine Family 01: Mandello del Lario (LC), 12-Jan.-2006
 - Engine Family 02: Mandello del Lario (LC), 13-Apr.-2006
 - Engine Family 03: Mandello del Lario (LC), 18-Jan.-2006





Automotive

Technical Report No.	350-0347-04-ITA Ext.03	95/1/EC
Manufacturer:	Moto Guzzi S.p.A.	
Type:	LP Engine Family: 00, 01, 02, 03	Page 5

III.	<u>Enclosures</u>	<u>Number / Pages</u>	<u>dated</u>
1	Test conditions for 95/1/EC, Annex II	1 page	07-Dec.-2004
		1 page	12-Jan.-2006
		1 page	13-Apr.-2006
		1 page	18-Jan.-2006
2	Test record	1 page	07-Dec.-2004
		1 page	12-Jan.-2006
		1 page	13-Apr.-2006
		1 page	18-Jan.-2006
3	Photograph of driver position	1 page	22-Dec.-2004
		1 page	03-Apr.-2006
		1 page	10-Jul.-2006
4	Manufacturer's Declaration in according 2006/27/EC, Annex III	1 page	03-Jul.-2006
5	Information Document (see attachment 1 to Technical Report No. 350-0345-04-ITA Ext.04).	ZGU/LP/2002/24/rev.03	03-Jul.-2006

IV. Final confirmation

The described vehicle type with the different engine families corresponds to the EC directive No. 95/1/EC dated 02-Feb.-1995, including the amendment 2006/27/EC dated 03.03.2006.

The test equipment, facilities and test sites fulfilled the requirements of the applicable legislation.

This technical report consists of sheets 1 to 5 and enclosures (12 pages).



Recognised Expert
Francesco Medici

fm Sesto San Giovanni – MI (I), the 10-Jul.-06

Cd06 – 158092

17-Jul-06



Test Conditions

Engine type **Moto Guzzi KP**, engine family **00**

Pressures measured at maximum power

Barometric:	100,7 kPa
Steam pressure:	0,692 kPa
Exhaust:	1)
Inlet pressure drop:	1)

Temperatures measured at maximum power of the intake air:

290 K

of the cooling liquid

at the engine cooling liquid outlet:	not applicable
at the reference point in the case of air cooling:	503 K
oil:	379 K

of the fuel

at the carburator/injection pump intake:	298 K
in the fuel-consumption measuring device:	296 K
of the exhaust, measured at the point adjacent to the outlet flange(s) of the exhaust manifold(s):	1139 K

Characteristics of the dynamometer

Make:	A.P.I. Com S.R.L.
Type:	FR 400 BRL

Fuel

For spark-ignition engines operating on liquid fuel:

Make:	TAMOIL
Specification:	unleaded petrol

Anti-knock additive (lead, etc.)

not applicable

Type:

Content in mg/litre:

Octane number:

RON:	92
MON:	85
Relative density:	0,725 ÷ 0,770 at 15°C
Calorific value:	43,5 MJ/kg

Lubricant

Make:	Shell
Specification:	Advance SX-4
SAE viscosity grade:	15W-50



Test Conditions

Engine type **Moto Guzzi A1**, engine family **01**

Pressures measured at maximum power

Barometric:	101,2 kPa
Steam pressure:	0,789 kPa
Exhaust:	1)
Inlet pressure drop:	1)

Temperatures measured at maximum power of the intake air:

302 K

of the cooling liquid

at the engine cooling liquid outlet:	not applicable
at the reference point in the case of air cooling:	527 K
oil:	380 K

of the fuel

at the carburator/injection pump intake:	298 K
in the fuel-consumption measuring device:	294 K
of the exhaust, measured at the point adjacent to the outlet flange(s) of the exhaust manifold(s):	1105 K

Characteristics of the dynamometer

Make:	A.P.I. Com S.R.L.
Type:	FR 400 BRL

Fuel

For spark-ignition engines operating on liquid fuel:

Make:	TAMOIL
Specification:	unleaded petrol

Anti-knock additive (lead, etc.)

not applicable

Type:

Content in mg/litre:

Octane number:

RON:	92
MON:	85
Relative density:	0,725 ÷ 0,770 at 15°C
Calorific value:	43,5 MJ/kg

Lubricant

Make:	Shell
Specification:	Advance SX-4
SAE viscosity grade:	15W-50



Test Conditions

Engine type **Moto Guzzi A2**, engine family **02**

Pressures measured at maximum power

Barometric:	99,8 kPa
Steam pressure:	0,398 kPa
Exhaust:	1)
Inlet pressure drop:	1)

Temperatures measured at maximum power of the intake air:

298 K

of the cooling liquid

at the engine cooling liquid outlet:	not applicable
at the reference point in the case of air cooling:	527 K
oil:	385 K

of the fuel

at the carburator/injection pump intake:	298 K
in the fuel-consumption measuring device:	301 K
of the exhaust, measured at the point adjacent to the outlet flange(s) of the exhaust manifold(s):	1083 K

Characteristics of the dynamometer

Make:	A.P.I. Com S.R.L.
Type:	FR 400 BRL

Fuel

For spark-ignition engines operating on liquid fuel:

Make:	TAMOIL
Specification:	unleaded petrol

Anti-knock additive (lead, etc.)

not applicable

Type:

Content in mg/litre:

Octane number:

RON:	92
MON:	85
Relative density:	0,725 ÷ 0,770 at 15°C
Calorific value:	43,5 MJ/kg

Lubricant

Make:	Shell
Specification:	Advance SX-4
SAE viscosity grade:	15W-50



Test Conditions

Engine type **Moto Guzzi A2**, engine family **03**

Pressures measured at maximum power

Barometric:	98,7 kPa
Steam pressure:	0,954 kPa
Exhaust:	1)
Inlet pressure drop:	1)

Temperatures measured at maximum power of the intake air:

305 K

of the cooling liquid

at the engine cooling liquid outlet:	not applicable
at the reference point in the case of air cooling:	524 K
oil:	379 K

of the fuel

at the carburator/injection pump intake:	305 K
in the fuel-consumption measuring device:	294 K
of the exhaust, measured at the point adjacent to the outlet flange(s) of the exhaust manifold(s):	1075 K

Characteristics of the dynamometer

Make:	A.P.I. Com S.R.L.
Type:	FR 400 BRL

Fuel

For spark-ignition engines operating on liquid fuel:

Make:	TAMOIL
Specification:	unleaded petrol

Anti-knock additive (lead, etc.)

not applicable

Type:

Content in mg/litre:

Octane number:

RON:	92
MON:	85
Relative density:	0,725 ÷ 0,770 at 15°C
Calorific value:	43,5 MJ/kg

Lubricant

Make:	Shell
Specification:	Advance SX-4
SAE viscosity grade:	15W-50



Engine performance

Engine type **Moto Guzzi KP**, engine family **00**

- a = engine speed
- b = torque measured at crankshaft
- c = power measured at crankshaft
- d = barometric pressure
- e = temperature of ingested air
- f = steam pressure
- g = atmospheric correction factor
- h = mechanical correction factor
- i = corrected torque at crankshaft
- j = corrected power at crankshaft
- k = specific fuel consumption
- l = cooling liquid temperature (outlet; liquid cooling) or temperature under spark-plug (air cooling)
- m = oil temperature (4 stroke engine)
- n = exhaust temperature

a	b	c	d	e	f	g	h	i	j	k	l	m	n
[min ⁻¹]	[Nm]	[kW]	[kPa]	[K]	[kPa]			[Nm]	[kW]	[g/kWh]	[K]	[K]	[K]
3004	75,80	23,85	100,9	288	0,577	0,965	1,000	73,11	23,00	286	444	336	1003
3208	77,75	26,12	100,9	288	0,580	0,965	1,000	75,01	25,20	272	448	337	1003
3408	77,84	27,78	100,9	288	0,575	0,965	1,000	75,09	26,80	270	453	338	997
3611	79,22	29,96	100,9	288	0,574	0,965	1,000	76,43	28,90	259	457	339	1008
3812	78,40	31,30	100,9	288	0,577	0,965	1,000	75,65	30,20	267	461	343	1013
4012	76,42	32,11	100,9	289	0,588	0,965	1,000	73,79	31,00	272	465	340	1015
4213	76,75	33,86	100,9	289	0,594	0,966	1,000	74,12	32,70	275	469	340	1029
4414	78,18	36,14	100,9	289	0,594	0,966	1,000	75,50	34,90	277	472	337	1041
4614	79,00	38,17	100,8	289	0,591	0,967	1,000	76,37	36,90	275	475	335	1045
4816	77,27	38,97	100,8	289	0,605	0,967	1,000	74,75	37,70	285	479	335	1064
5015	78,94	41,46	100,8	289	0,603	0,967	1,000	76,36	40,10	286	484	336	1087
5214	84,05	45,89	100,8	289	0,608	0,967	1,000	81,32	44,40	275	490	334	1104
5417	85,96	48,76	100,8	289	0,618	0,968	1,000	83,21	47,20	272	494	333	1112
5617	85,86	50,50	100,8	289	0,623	0,968	1,000	83,13	48,90	273	495	332	1121
5817	84,75	51,62	100,8	289	0,629	0,969	1,000	82,08	50,00	278	497	333	1130
6018	84,35	53,16	100,8	289	0,637	0,969	1,000	81,72	51,50	279	501	333	1136
6219	83,14	54,15	100,8	290	0,653	0,970	1,000	80,61	52,50	282	504	334	1140
6421	84,99	57,15	100,8	290	0,680	0,971	1,000	82,54	55,50	277	505	332	1139
6622	85,91	59,57	100,8	291	0,693	0,972	1,000	83,50	57,90	276	503	340	1145
6821	86,88	62,06	100,8	290	0,692	0,972	1,000	84,42	60,30	282	503	349	1152
7020	85,86	63,11	100,8	290	0,689	0,971	1,000	83,39	61,30	284	503	369	1151
7222	84,07	63,58	100,7	290	0,687	0,972	1,000	81,72	61,80	290	503	377	1145
7424	82,18	63,89	100,7	290	0,692	0,972	1,000	79,88	62,10	298	503	379	1139
7625	79,86	63,76	100,7	290	0,700	0,972	1,000	77,65	62,00	305	501	379	1137
7824	77,46	63,47	100,7	290	0,702	0,972	1,000	75,31	61,70	312	498	377	1136
8024	73,14	61,46	100,7	290	0,692	0,971	1,000	71,05	59,70	324	493	374	1136
8223	70,17	60,42	100,7	290	0,696	0,971	1,000	68,17	58,70	331	489	365	1135



Engine performance

Engine type **Moto Guzzi A1**, engine family **01**

- a = engine speed
 b = torque measured at crankshaft
 c = power measured at crankshaft
 d = barometric pressure
 e = temperature of ingested air
 f = steam pressure
 g = atmospheric correction factor
 h = mechanical correction factor
 i = corrected torque at crankshaft
 j = corrected power at crankshaft
 k = specific fuel consumption
 l = cooling liquid temperature (outlet; liquid cooling) or temperature under spark-plug (air cooling)
 m = oil temperature (4 stroke engine)
 n = exhaust temperature

a	b	c	d	e	f	g	h	i	j	k	l	m	n
[min ⁻¹]	[Nm]	[kW]	[kPa]	[K]	[kPa]			[Nm]	[kW]	[g/kWh]	[K]	[K]	[K]
3018	64,22	20,30	101,4	299	0,642	0,980	1,000	62,97	19,90	332	448	335	1057
3220	63,78	21,51	101,4	299	0,654	0,981	1,000	62,57	21,10	322	450	337	1064
3418	61,46	22,00	101,4	299	0,666	0,982	1,000	60,35	21,60	329	453	338	1072
3622	60,37	22,90	101,4	300	0,677	0,983	1,000	59,32	22,50	329	456	340	1090
3826	57,38	22,99	101,4	300	0,686	0,983	1,000	56,41	22,60	336	459	342	1106
4022	52,31	22,03	101,3	300	0,698	0,985	1,000	51,52	21,70	364	462	344	1107
4222	54,63	24,16	101,3	300	0,675	0,985	1,000	53,83	23,80	345	466	345	1099
4423	54,30	25,15	101,3	301	0,687	0,986	1,000	53,54	24,80	343	471	346	1090
4627	55,20	26,75	101,3	301	0,703	0,987	1,000	54,48	26,40	337	476	348	1089
4826	57,26	28,94	101,3	302	0,724	0,988	1,000	56,59	28,60	329	483	348	1086
5028	58,73	30,93	101,3	302	0,745	0,989	1,000	58,12	30,60	324	486	348	1108
5228	61,61	33,73	101,3	302	0,758	0,990	1,000	61,01	33,40	314	492	347	1100
5426	61,82	35,13	101,3	303	0,767	0,991	1,000	61,25	34,80	316	499	343	1097
5630	62,77	37,01	101,3	303	0,785	0,992	1,000	62,25	36,70	311	504	344	1118
5833	61,33	37,46	101,3	303	0,808	0,993	1,000	60,90	37,20	315	506	350	1139
6029	62,02	39,16	101,3	304	0,818	0,993	1,000	61,61	38,90	319	511	354	1159
6230	65,17	42,52	101,2	304	0,822	0,995	1,000	64,84	42,30	317	518	359	1172
6434	68,96	46,46	101,2	304	0,813	0,994	1,000	68,57	46,20	305	523	363	1169
6636	70,28	48,84	101,2	304	0,827	0,995	1,000	69,94	48,60	302	523	377	1177
6838	69,52	49,78	101,2	304	0,813	0,994	1,000	69,13	49,50	307	522	376	1192
7036	68,31	50,33	101,2	303	0,794	0,993	1,000	67,86	50,00	324	521	383	1206
7235	67,38	51,05	101,2	303	0,822	0,993	1,000	66,92	50,70	373	519	381	1196
7437	66,13	51,51	101,2	302	0,803	0,992	1,000	65,61	51,10	405	520	381	1113
7641	66,94	53,56	101,2	302	0,789	0,991	1,000	66,36	53,10	386	527	380	1105
7843	64,42	52,91	101,2	302	0,771	0,990	1,000	63,80	52,40	393	525	378	1108
8042	60,39	50,85	101,1	302	0,762	0,991	1,000	59,85	50,40	411	522	375	1105
8240	58,73	50,68	101,1	301	0,782	0,990	1,000	58,18	50,20	386	516	368	1116

Engine performance

Engine type **Moto Guzzi A2**, engine family **02**

- a = engine speed
- b = torque measured at crankshaft
- c = power measured at crankshaft
- d = barometric pressure
- e = temperature of ingested air
- f = steam pressure
- g = atmospheric correction factor
- h = mechanical correction factor
- i = corrected torque at crankshaft
- j = corrected power at crankshaft
- k = specific fuel consumption
- l = cooling liquid temperature (outlet; liquid cooling) or temperature under spark-plug (air cooling)
- m = oil temperature (4 stroke engine)
- n = exhaust temperature

a	b	c	d	e	f	g	h	i	j	k	l	m	n
[min ⁻¹]	[Nm]	[kW]	[kPa]	[K]	[kPa]			[Nm]	[kW]	[g/kWh]	[K]	[K]	[K]
3021	88,38	27,96	100,0	299	0,417	0,994	1,000	87,88	27,80	97	477	356	956
3523	82,00	30,25	100,0	299	0,425	0,995	1,000	81,59	30,10	116	484	355	942
4021	79,74	33,58	100,0	299	0,422	0,995	1,000	79,32	33,40	132	495	353	973
4527	89,50	42,43	99,9	298	0,408	0,995	1,000	89,02	42,20	135	503	350	1025
5029	90,28	47,55	99,9	298	0,410	0,995	1,000	89,82	47,30	163	505	360	1050
5281	95,24	52,67	99,9	299	0,383	0,995	1,000	94,75	52,40	168	510	372	1058
5536	96,71	56,07	99,9	299	0,415	0,995	1,000	96,25	55,80	170	515	372	1069
5788	94,68	57,38	99,9	298	0,413	0,995	1,000	94,21	57,10	175	517	382	1072
6036	92,60	58,53	99,9	298	0,405	0,994	1,000	92,08	58,20	186	519	384	1089
6285	92,77	61,06	99,9	298	0,403	0,994	1,000	92,23	60,70	199	522	389	1099
6541	93,58	64,10	99,8	298	0,403	0,995	1,000	93,14	63,80	210	525	383	1101
6792	93,94	66,81	99,8	298	0,403	0,995	1,000	93,50	66,50	217	527	383	1096
7043	92,09	67,92	99,8	298	0,403	0,995	1,000	91,66	67,60	228	528	386	1090
7296	89,20	68,15	99,8	298	0,398	0,995	1,000	88,74	67,80	236	527	385	1083
7548	85,97	67,96	99,8	298	0,424	0,995	1,000	85,52	67,60	244	528	383	1084
7801	81,46	66,55	99,8	298	0,424	0,995	1,000	81,04	66,20	249	527	381	1082
8050	75,88	63,96	99,8	297	0,419	0,994	1,000	75,45	63,60	259	524	379	1078
8293	70,76	61,45	99,7	297	0,448	0,996	1,000	70,47	61,20	260	519	377	1079



Engine performance

Engine type **Moto Guzzi A2**, engine family **03**

- a = engine speed
- b = torque measured at crankshaft
- c = power measured at crankshaft
- d = barometric pressure
- e = temperature of ingested air
- f = steam pressure
- g = atmospheric correction factor
- h = mechanical correction factor
- i = corrected torque at crankshaft
- j = corrected power at crankshaft
- k = specific fuel consumption
- l = cooling liquid temperature (outlet; liquid cooling) or temperature under spark-plug (air cooling)
- m = oil temperature (4 stroke engine)
- n = exhaust temperature

a	b	c	d	e	f	g	h	i	j	k	l	m	n
[min ⁻¹]	[Nm]	[kW]	[kPa]	[K]	[kPa]			[Nm]	[kW]	[g/kWh]	[K]	[K]	[K]
3019	87,41	27,64	98,9	304	0,909	1,024	1,000	89,51	28,30	254	471	346	1004
3521	86,82	32,01	98,9	304	0,919	1,025	1,000	88,96	32,80	256	477	347	995
4022	85,44	35,99	98,9	304	0,935	1,025	1,000	87,61	36,90	257	485	342	1019
4526	89,58	42,46	98,8	305	0,906	1,027	1,000	91,99	43,60	255	493	342	1039
5028	89,74	47,25	98,8	305	0,938	1,029	1,000	92,30	48,60	282	496	350	1048
5280	92,52	51,16	98,8	306	0,970	1,030	1,000	95,31	52,70	283	499	355	1050
5532	93,34	54,07	98,8	306	0,970	1,030	1,000	96,15	55,70	273	505	362	1057
5784	92,40	55,97	98,8	306	0,987	1,031	1,000	95,26	57,70	267	509	354	1057
6034	91,67	57,92	98,8	306	0,981	1,031	1,000	94,48	59,70	273	513	367	1064
6283	91,38	60,12	98,8	306	0,992	1,031	1,000	94,23	62,00	281	517	372	1070
6539	91,82	62,87	98,7	306	0,987	1,032	1,000	94,78	64,90	282	520	372	1073
6789	91,21	64,85	98,7	306	0,976	1,032	1,000	94,10	66,90	286	522	380	1074
7040	89,48	65,96	98,7	306	0,959	1,031	1,000	92,24	68,00	291	522	380	1076
7293	86,52	66,08	98,7	305	0,954	1,031	1,000	89,17	68,10	298	524	379	1075
7544	83,24	65,76	98,7	305	0,932	1,030	1,000	85,70	67,70	306	524	378	1071
7798	79,64	65,03	98,7	305	0,951	1,029	1,000	81,92	66,90	311	525	376	1074
8046	74,66	62,91	98,7	304	0,946	1,028	1,000	76,79	64,70	320	522	375	1074
8292	71,07	61,71	98,7	304	0,925	1,027	1,000	73,01	63,40	319	518	373	1077



Photograph of driver position

Variant/Version 0/??, A/??, B/??, E/??, G/??



Photograph of driver position

Variant/Version H/??, L/??



Photograph of driver position

Variant/Version M/??





Mandello del Lario, 03.07.2006

TO TUV ITALIA srl
k.a. ing. F. Medici

Noale, 03.07.2006



**SUBJECT: HOMOLOGATION OF THE VEHICLE TYPE "LP"
VARIANT / VERSION "L/??, M/??".**

Statement in according to 2006/27/EC , annex III

We, MOTO GUZZI spa, hereby declare that the maximum speed of the vehicle configurations in subject are following:

- 190 km/h (variant / version L/??)
- 215 km/h (variant / version M/??)

Yours faithfully.

MOTO GUZZI S.p.A.



**FACTORY DIRECTOR
Nello MARIOTTI**





Extension 03 to TECHNICAL REPORT No. 350-0348-04-ITA

Test according to the EC-directive on the approximation of the laws of the Member States relating to

**certain components and characteristics of two or three-wheel motor vehicles
Emission of gaseous pollution**

No. : 97/24/EC, Chapter 5

dated : 17.06.1997

incl. the last amendment No. 2005/30/EC

dated: 22.04.2005

I. Technical Indication

- | | | |
|-------|--|---|
| 0.1 | Make: | Moto Guzzi |
| 0.2 | Type: | LP |
| 0.2.1 | Variant/Version: | ? / ?? |
| | Engine Family: | 00, 01, 02, 03 |
| 0.3 | Sort: | Motorcycle (according to 2002/24/EC) |
| 0.4 | Category of vehicle: | L3e (according to 2002/24/EC);
D (according to 97/24/EC, Chapter 7) |
| 0.5 | Name and address of the manufacturer | Moto Guzzi S.p.A.
Via E. V. Parodi, 57
I-23826 Mandello del Lario (LC)
– Italy - |
| 0.6 | Name of the manufacturers representative | Not applicable |
| 0.7 | Location of approval mark | Not applicable |
| 0.8. | Reasons for Extension | - New variant/version L/00, L/01, M/00, M/01;
- Documents updating (as amended by directive 2005/30/EC). |



II. Test Record

1. General

1.1 Test provisions

The inspection was carried out according to the requirements of the directive 97/24/EC chap.5 including the last amendment 2005/30/EC dated 22-Apr.-2005

1.1.1 Test equipment

Brake dynamometer: Single Roll Test Stand
- Make: API COM
- Type: FR 150 modified

sample extraction systems: API COM EMI 1

Pollutants analyst:	<u>CO</u>	<u>CH</u>	<u>NO_x</u>
- Make:	Hartman & Braun	Beckman	Horiba
- Type:	URAS 3E	400	UB 12

1.2 Information concerning the vehicle type and the requested approval

1.2.1 Make or trade name of the vehicle: Moto Guzzi

1.2.2 Type of the Motorcycle: LP

Variant/Version: ? / ??

Engine Family: 00, 01, 02, 03

1.2.3 Name and address of the manufacturer: Moto Guzzi S.p.A.
Via E. Parodi, 57
I-23826 Mandello del Lario (LC)
– Italy -



- 1.2.3.1 Name and address of the manufacturer of the engine Moto Guzzi S.p.A.
Via E. Parodi, 57
I-23826 Mandello del Lario (LC)
– Italy -
- 1.2.4 Name and address of the manufacturers authorised representative: Not applicable
- 1.2.5 Minimum weight of the vehicle:
Variant/Version O/???, A/???,
B/???, E/???, G/???, M/???: 248 kg
Variant/Version H/???, L/???: 261 kg
- 1.2.5.1 Reference weight of the vehicle:
Variant/Version O/???, A/???,
B/???, E/???, G/???, M/???: 323 kg
Variant/Version H/???, L/???: 336 kg
- 1.2.6 Technically permissible weight of the vehicle:
Variant/Version ?/???: 478 kg
- 1.2.7 Gearbox:
- 1.2.7.1 Manual or description of automatic shift gearboxes manual
- 1.2.7.2 Number of gears 6



Automotive

Technical Report No.	350-0348-04-ITA Ext.03	97/24/EC, Chap.5
Manufacturer:	Moto Guzzi S.p.A.	
Type:	LP Engine Family: 00, 01, 02, 03	Page 4

1.2.7.3 Transmission ratios:

Engine family:	00	01	02, 03
secondary ratios:			
1 st	1 : 2,235 (17/38)	1 : 2,235 (17/38)	1 : 2,235 (17/38)
2 nd	1 : 1,700 (20/34)	1 : 1,700 (20/34)	1 : 1,700 (20/34)
3 rd	1 : 1,347 (23/31)	1 : 1,347 (23/31)	1 : 1,347 (23/31)
4 th	1 : 1,115 (26/29)	1 : 1,115 (26/29)	1 : 1,115 (26/29)
5 th	1 : 0,967 (31/30)	1 : 0,967 (31/30)	1 : 0,967 (31/30)
6 th	1 : 0,862 (29/25)	1 : 0,862 (29/25)	1 : 0,862 (29/25)
primary ratio:	1 : 1,346 (26/35)	1 : 1,565 (23/36)	1 : 1,458 (24/35)
final drive ratio:	1 : 3,666 (12/44)	1 : 3,666 (12/44)	1 : 3,666 (12/44)

Tire (rear):

- dimension: 180/55–ZR17 73W
- dynamic rolling circumference: 1903 mm (according E.T.R.T.O.)

1.2.7.4 Check of performance referred to in 3.1.5 of Annex 2 Appendix 1 of this directive:

Stated by the manufacturer

1.2.8 Reference fuel:

According to Annex IV of this directive
Unleaded fuel

1.2.9 Place and date for type approval tests:

- Engine family 00: Noale (VE), 01-Dec.-2004
- Engine family 01: Noale (VE), 24-Jan.-2006
- Engine family 02: Noale (VE), 21-Apr.-2006
- Engine family 03: Noale (VE), 03-Mar.-2006





1.2.10 Position of the approval mark on the vehicle: Not applicable

2. Inspection and their results

2.1 Variants and equipment covered The tests carried out cover the following vehicle variations and equipment as far as relevant for the exhaust emissions:

- vehicle weights
- final drive ratios
- tires
- throttle body
- exhaust system

as stated in the manufacturer's Information Document

2.2 Inspection items

2.2.1 Test vehicle and additional information's on the test conditions

Test vehicle:

- tire dimension: 180/55-ZR17 73W
- tire pressure 240 kPa

Test conditions:

- equivalent inertia:

Engine family 00, 01: 320 kg

Engine family 02, 03: 350 kg

- gas sampling system used: API COM EMI 1
- method of setting: according to Annex II, paragraph 5 of the directive



2.3.1.1 Test Type I

Emission of gaseous pollutants in an urban cycle.
Engine family **00**:

	CO [g / km]	HC [g / km]	NO _x [g / km]	equivalent inertia [kg]
Test 1	1,387	0,216	0,119	320
Test 2	1,075	0,149	0,120	320
Test 3	---	---	---	---
Arithmetic mean	1,231	0,1825	0,1195	320
limits	2,0	0,3	0,15	---
% of the Limit	61,5	60,8	79,6	---

2.3.1.2 Test Type I

Emission of gaseous pollutants in an urban cycle.
Engine family **01**:

	CO [g / km]	HC [g / km]	NO _x [g / km]	equivalent inertia [kg]
Test 1	0,743	0,132	0,084	320
Test 2	---	---	---	---
Test 3	---	---	---	---
Arithmetic mean	0,743	0,132	0,084	320
limits	2,0	0,3	0,15	---
% of the Limit	37,1	44,0	56,0	---



2.3.1.3 Test Type I

Emission of gaseous pollutants in an urban cycle.
Engine family **02**:

	CO [g / km]	HC [g / km]	NO _x [g / km]	equivalent inertia [kg]
Test 1	1,011	0,178	0,018	350
Test 2	---	---	---	---
Test 3	---	---	---	---
Arithmetic mean	1,011	0,178	0,018	350
limits	2,0	0,3	0,15	---
% of the Limit	50,5	59,3	12,0	---

2.3.1.4 Test Type I

Emission of gaseous pollutants in an urban cycle.
Engine family **03**:

	CO [g / km]	HC [g / km]	NO _x [g / km]	equivalent inertia [kg]
Test 1	0,865	0,167	0,095	350
Test 2	---	---	---	---
Test 3	---	---	---	---
Arithmetic mean	0,865	0,167	0,095	350
limits	2,0	0,3	0,15	---
% of the Limit	43,2	55,6	63,3	---



Automotive

Technical Report No. 350-0348-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP Engine Family: 00, 01, 02, 03

97/24/EC, Chap.5

Page 8

2.3.2.1 Test Type II

Emission of Carbon monoxide and hydrocarbon at normal idling speed and high idle speed:
Engine family **00**:

Engine revolution [min^{-1}]	CO [%]	HC [ppm]
1100 \pm 50	0,1	100
2200 \pm 50	0,05	90

Engine oil temperature at the time of the test: 358 K

2.3.2.2 Test Type II

Emission of Carbon monoxide and hydrocarbon at normal idling speed and high idle speed:
Engine family **01**:

Engine revolution [min^{-1}]	CO [%]	HC [ppm]
1100 \pm 50	0,05	31
2200 \pm 50	0,2	21

Engine oil temperature at the time of the test: 375 K



2.3.2.3 Test Type II

Emission of Carbon monoxide and hydrocarbon at normal idling speed and high idle speed:
Engine family **02**:

Engine revolution [min^{-1}]	CO [%]	HC [ppm]
1100 ± 50	0,01	8
2200 ± 50	0,1	5

Engine oil temperature at the time of the test: 371 K

2.3.2.4 Test Type II

Emission of Carbon monoxide and hydrocarbon at normal idling speed and high idle speed:
Engine family **03**:

Engine revolution [min^{-1}]	CO [%]	HC [ppm]
1100 ± 50	0,07	26
2200 ± 50	0,05	14

Engine oil temperature at the time of the test: 373 K

2.4.1 Remark ---





Automotive

Technical Report No. 350-0348-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP Engine Family: 00, 01, 02, 03

97/24/EC, Chap.5

Page 10

III. Enclosures:

- Information Document No. ZGU/LP/2002/24/rev.03 dated 03.07.2006
(see attachment 1 to Technical Report No. 350-0345-04-ITA Ext.04).

IV. Statement of compliance:

The inspections and measurements carried out have shown the compliance of the vehicle type described in this report with the requirements mentioned in Section 1.1. of the present report.

V. Final Confirmation

The described vehicle type and the included variants and versions correspond to 97/24/EC Chapter 5 dated 17.Jun.1997 including the last amendment 2005/30/EC dated 22-Apr.-2005.

The test equipment, facilities and test sites fulfilled the requirements of the applicable legislation.

This Technical Report consists of sheet 1 to 10.



Recognised Expert
Francesco Medici

fm Sesto San Giovanni – MI (I), the 10-Jul-06

Cd06 – 158092





Extension 03 to TECHNICAL REPORT No. 350-0349-04-ITA

Test according to the EC-directive on the approximation of the laws of the Member States relating to

**certain components and characteristics of two or three-wheel motor vehicles
Electromagnetic Compatibility**

No. : 97/24/EC, chapter 8

dated: 17.06.1997

incl. the last amendment No. 2005/30/EC

dated: 22.04.2005

I. Technical description

- | | |
|---|---|
| 0.1. Make: | Moto Guzzi |
| 0.2. Type: | LP |
| 0.2.1. Variant/Version | ? / ?? |
| 0.3. Sort | Motorcycle (according to 2002/24/EC) |
| 0.4. Category of vehicle | L3e (according to 2002/24/EC);
D (according to 97/24/EC, Chapter 7) |
| 0.5. Name and address of the manufacturer | Moto Guzzi S.P.A
Via E. Parodi, 57
I-23826 Mandello del Lario (LC) |
| 0.6. Name of the manufacturers representative | Not applicable |
| 0.7. Location of approval mark | Not applicable |
| 0.8. Reasons for Extension | - New variant/version L/00, L/01, M/00, M/01;
- Documents updating (as amended by directive 2005/30/EC). |



II. Test Record

1. General

The inspection was carried out according to the requirements of 97/24/EC, Chapter 8, including the last amendment 2005/30/EC dated 22-Apr.-2005.

1.1. Technical information of the test vehicle

manufacturer: Moto Guzzi S.p.A.

type: LP

variant / version ? / ??

vehicle identification number:

Variant/version 0/??: ZGULP00004M111121 (Prototype)

Variant/version A/??: ZGULP00045M113045
(Prototype equipped with Antilock
braking system – ABS)

1.2. Measuring instruments

Radio interference-measuring instrument according to CISPR-Publication No. 16: Hewlett Packard 8542 E

1.3. Signal Generator according to CISPR-Publication No. 16: Hewlett Packard 8648 E

1.4. Additional test conditions

weather: dry, 24° C

test facility: according 97/24/EC, chap. 8

2. Tests carried out: semi-anechoic room

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Automotive

Technical Report No.: 350-0349-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Vehicle type: LP

97/24/EC; Chapter 8

Page 3

3.1.1. Test results, based according:
97/24/EC; Chapter 8, Annex 2 No. 5.2.2.2

Variant/version 0/??

Number of cylinders: 2

Engine speed during the measurement: 1500 min⁻¹

antenna height above ground: 1,8 m

antenna distance to the vehicle: 3 m

Antiradio interference system :Make and type Spark plugs: **NGK BPR6ES** and **NGK PMR8B** (twin spark ignition)

Spark plug covers: **M.T.A. 10.00900 (*)** and **NGK VD05EMH** (twin spark ignition)

Frequency [MHz]				45 ± 5	65 ± 5	90 ± 5	150 ± 5	180 ± 5	220 ± 5	300 ± 20	450 ± 20	600 ± 20	750 ± 20	900 ± 20
Limits			dB [µV/m]	44	44	45,2	48,7	49,8	51,1	53,1	55	55	55	55
Test Results	right	horizontal	dB [µV/m]	22,05	21,07	21,73	29,06	28,19	25,77	22,58	23,24	26,98	28,83	29,83
	right	vertical	dB [µV/m]	24,16	22,74	27,53	26,06	23,87	27,49	26,23	24,33	25,32	28,91	31,63
	left	horizontal	dB [µV/m]	20,16	18,92	25,32	25,57	26,92	27,99	21,79	23,13	27,03	28,89	30,06
	left	vertical	dB [µV/m]	19,05	24,23	23,49	26,54	25,70	25,39	18,97	20,80	26,46	29,66	32,66
Highest value			dB [µV/m]	24,16	24,23	27,53	29,06	28,19	27,99	26,23	24,33	27,03	29,66	32,66

(*) Spark plug cover make M.T.A. type 10.00930, as alternative, doesn't differ from type 10.00900 in its electrical characteristics.



Automotive

Technical Report No.: 350-0349-04-ITA Ext.03
 Manufacturer: Moto Guzzi S.p.A.
 Vehicle type: LP

97/24/EC; Chapter 8

Page 4

3.1.2. Test results, based according:
97/24/EC; Chapter 8, Annex 2 No. 5.2.2.2

Variant/version A??

Number of cylinders: 2

Engine speed during the measurement: 1500 min⁻¹

antenna height above ground: 1,8 m

antenna distance to the vehicle: 3 m

Antiradio interference system :Make and type Spark plugs: **NGK BPR6ES** and **NGK PMR8B** (twin spark ignition)
 Spark plug covers: **M.T.A. 10.00900 (*)**and **NGK VD05EMH** (twin spark ignition)

Frequency [MHz]				45 ± 5	65 ± 5	90 ± 5	150 ± 5	180 ± 5	220 ± 5	300 ± 20	450 ± 20	600 ± 20	750 ± 20	900 ± 20
Limits			dB [μV/m]	44	44	45,2	48,7	49,8	51,1	53,1	55	55	55	55
Test Results	right	horizontal	dB [μV/m]	21	25	23	33	33	24	27	26	34	36	33
	right	vertical	dB [μV/m]	30	32	20	34	27	26	30	25	29	28	27
	left	horizontal	dB [μV/m]	25	20	26	28	28	26	28	27	31	35	32
	left	vertical	dB [μV/m]	32	31	25	30	25	24	29	30	29	25	30
Highest value			dB [μV/m]	32	32	26	34	33	26	30	30	34	36	33

(*) Spark plug cover make M.T.A. type 10.00930, as alternative, doesn't differ from type 10.00900 in its electrical characteristics.

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Automotive

Technical Report No.: 350-0349-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Vehicle type: LP

97/24/EC; Chapter 8

Page 5

3.2.1 Test results, based according:

97/24/EC; Chapter 8, Annex 3 * No. 5.3.2.2

Variant/version 0/??

Engine speed during the measurement:

0

antenna height above ground:

1,8 m

antenna distance to the vehicle:

3 m

Ignition make and type:

MAGNETI MARELLI IAW 5 AM

Frequency [MHz]				30 to 45	45 to 80	80 to 130	130 to 170	170 to 225	225 to 300	300 to 400	400 to 525	525 to 700	700 to 850	850 to 1000
Measured Frequency [MHz]				45	65	90	150	180	220	300	450	600	750	900
Limits			dB [μ V/m]	34	34	35,2	38,6	39,8	41,1	43,1	45	45	45	45
Test Results	right	horizontal	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
	right	vertical	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
	left	horizontal	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
	left	vertical	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
Highest value			dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0

*: Extent of test was reduced according to ANNEX III, item 6.2.

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Automotive

Technical Report No.: 350-0349-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Vehicle type: LP

97/24/EC; Chapter 8

Page 6

3.2.2 Test results, based according:

97/24/EC; Chapter 8, Annex 3 * No. 5.3.2.2

Variant/version A??

Engine speed during the measurement:

0

antenna height above ground:

1,8 m

antenna distance to the vehicle:

3 m

Ignition make and type:

MAGNETI MARELLI IAW 5 AM

Frequency [MHz]				30 to 45	45 to 80	80 to 130	130 to 170	170 to 225	225 to 300	300 to 400	400 to 525	525 to 700	700 to 850	850 to 1000
Measured Frequency [MHz]				45	65	90	150	180	220	300	450	600	750	900
Limits			dB [μ V/m]	34	34	35,2	38,6	39,8	41,1	43,1	45	45	45	45
Test Results	right	horizontal	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
	right	vertical	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
	left	horizontal	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
	left	vertical	dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0
Highest value			dB [μ V/m]	0	0	0	0	0	0	0	0	0	0	0

*: Extent of test was reduced according to ANNEX III, item 6.2.



Automotive

Technical Report No. 350-0349-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

97/24/EC, Chap.8

Page 7

3.3.1. Test results, based according:
97/24/EC; Chapter 8, Annex 4 No. 5.4. ff.

Variant/version 0/??

Number of cylinders:

2

Engine speed during the measurement:

2500 min⁻¹

Vertical polarisation				
Frequency [MHz]	Unmodulated test field [V/m] r.m.s.	antenna		
		height above ground [m]	distance to the vehicle [m]	Radiated power [dBm]
28	13,9	1,5	1,5	-14,18
48	13,9	1,36	1,0	-21,40
65	13,9	1,5	1,5	-21,20
90	16,7	1,5	2,4	-19,04
150	16,7	1,5	2,4	-14,82
180	16,7	1,5	2,4	-18,60
220	16,7	1,5	2,4	-19,60
300	16,7	1,5	2,4	-20,52
450	16,7	1,5	2,4	-20,64
600	16,7	1,5	2,4	-20,44
750	16,7	1,5	2,4	-18,42
900	16,7	1,5	2,4	-19,68

Horizontal polarisation				
Frequency [MHz]	Unmodulated test field [V/m] r.m.s.	antenna		
		height above ground [m]	distance to the vehicle [m]	Radiated power [dBm]
28	13,9	1,5	1,5	-16,06
48	13,9	1,36	1,0	-16,50
65	13,9	1,5	1,5	-7,06
90	16,7	1,5	2,4	-17,86
150	16,7	1,5	2,4	-20,64
180	16,7	1,5	2,4	-17,98
220	16,7	1,5	2,4	-15,22
300	16,7	1,5	2,4	-21,60
450	16,7	1,5	2,4	-18,50
600	16,7	1,5	2,4	-20,52
750	16,7	1,5	2,4	-20,60
900	16,7	1,5	2,4	-20,64

At any frequency there were no reactions on the Motorcycles running behaviour perceptible neither in vertical nor in horizontal polarisation.

4. Place and date of the test: **Padova, 06-Dec.-2004**





3.3.2. Test results, based according to:

97/24/EC; Chapter 8, Annex 4 No. 5.4. ff.

Variant/version A??

Number of cylinders:

2

Engine speed during the measurement:

2500 min⁻¹

Vertical polarisation				
Frequency [MHz]	Unmodulated test field [V/m] r.m.s.	antenna		
		height above ground [m]	distance to the vehicle [m]	Radiated power [dBm]
28	13,9	1,5	1,5	-14,18
48	13,9	1,36	1,0	-21,40
65	13,9	1,5	1,5	-21,20
90	16,7	1,5	2,4	-19,04
150	16,7	1,5	2,4	-14,82
180	16,7	1,5	2,4	-18,60
220	16,7	1,5	2,4	-19,60
300	16,7	1,5	2,4	-20,52
450	16,7	1,5	2,4	-20,64
600	16,7	1,5	2,4	-20,44
750	16,7	1,5	2,4	-18,42
900	16,7	1,5	2,4	-19,68

Horizontal polarisation				
Frequency [MHz]	Unmodulated test field [V/m] r.m.s.	antenna		
		height above ground [m]	distance to the vehicle [m]	Radiated power [dBm]
28	13,9	1,5	1,5	-16,06
48	13,9	1,36	1,0	-16,50
65	13,9	1,5	1,5	-7,06
90	16,7	1,5	2,4	-17,86
150	16,7	1,5	2,4	-20,64
180	16,7	1,5	2,4	-17,98
220	16,7	1,5	2,4	-15,22
300	16,7	1,5	2,4	-21,60
450	16,7	1,5	2,4	-18,50
600	16,7	1,5	2,4	-20,52
750	16,7	1,5	2,4	-20,60
900	16,7	1,5	2,4	-20,64

At any frequency there were no reactions on the Motorcycles running behaviour perceptible neither in vertical nor in horizontal polarisation.

4. Place and date of the test: Scarmagno, 08-Feb.-2006





Automotive

Technical Report No. 350-0349-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

97/24/EC, Chap.8

Page 9

III. Enclosures:

- Information Document No. ZGU/LP/2002/24/rev.03 dated 03.07.2006
(see attachment 1 to Technical Report No. 350-0345-04-ITA Ext.04).

IV. Statement of compliance:

The inspections and measurements carried out have shown the compliance of the vehicle type described in this report with the requirements mentioned in Section 1.1. of the present report.

The different type identification code, 10.00900 and 10.00930, of spark plug cover make M.T.A. depends by production and not by different electrical characteristics.

It's not necessary to test the engine family 01 (variant/version B/?? and E/??) because it differs from the engine family 00 (variant/version 0/?? and A/??) to have one only spark plug for cylinder.

It's not necessary to test the engine families 02 and 03 (variant/version G/?? and H/??) because they differ from the engine family 00 (variant/version 0/?? and A/??) to have different only the cylinder capacity.

V. Final Confirmation

The described vehicle type and the all known included variants and versions correspond to 97/24/EC chapter 8 dated 03.09.1997, including the last amendment 2005/30/EC dated 22-Apr.-2005.

The test equipment, facilities and test sites fulfilled the requirements of the applicable legislation.

This technical Report consists of sheet 1 to 9.



Recognised Expert
Francesco Medici

fm Sesto San Giovanni – MI (I), the 10-Jul-06

Cd06 – 158092





Extension 03

to

TECHNICAL REPORT

N. 350 - 0350 - 04 - ITA

Test according to the EC-directive on the approximation of the laws of the Member States relating to

certain components and characteristics of two or three-wheel motor vehicles
Permissible sound level of two and three wheeler

No. : 97/24/EC, chapter 9

dated : 17.06.1997

incl. the last amendment No. 2005/30/EC

dated: 22.04.2005

I. Technical description

- | | | |
|-----|---|---|
| 0.1 | Make: | Moto Guzzi |
| 0.2 | Type: | LP |
| | Variant/Version: | ? / ?? |
| | Engine Family: | 00, 01, 02, 03 |
| 0.3 | Sort: | Motorcycle (according to 2002/24/EC) |
| 0.4 | Category of vehicle: | L3e (according to 2002/24/EC);
D (according to 97/24/EC, Chapter 7) |
| 0.5 | Name and address of the manufacturer: | Moto Guzzi S.p.A.
Via E. Parodi, 57
I-23826 Mandello del Lario (LC)
- Italy - |
| 0.6 | Name of the manufacturers representative: | Not applicable |
| 0.7 | Location of approval mark: | Not applicable |
| 0.8 | Reason for Extension | - New variant/version L/00, L/01, M/00, M/01;
- Documents updating (as amended by directive 2005/30/EC). |



Automotive

Technical Report No. 350-0350-04-ITA Ext.03 97/24/EC, Chap.9
Manufacturer: Moto Guzzi S.p.A.
Type: LP Engine Family: 00, 01, 02, 03 Page 2

II. Test record:

1. Test conditions

1.1. Technical data of the test vehicle

Manufacturer: Moto Guzzi
Type: LP
Vehicle identification Number:
Engine family 00 ZGULP00004M111121 (Prototype)
Engine family 01 ZGULP00085M111188 (Prototype)
Engine family 02, 03 ZGULP00095M112978 (Prototype)

Tires:

front: 120 / 70 - ZR17 (58W)

rear: 180 / 55 - ZR17 (73W)

Maximum design speed:

	Variant / version	Engine family
210 km/h	O/??, A/??	00
185 km/h	B/??, E/??	01
215 km/h	G/??, M/??	02, 03
220 km/h	H/??	02, 03
190 km/h	L/??	01





1.2. Measuring instruments:

Sound level	Precision sound level meter:
Manufacturer:	Brüel & Kjaer
Type:	2232
Velocity:	light barrier; calibrated speedometer
Engine speed:	electronic revolution meter

1.3. Additional test conditions

conditioning:	the exhaust system is conditioned as indicated in the point 2.3.1.4.2
weather:	
Engine family 00, 01	280 K
Engine family 02	290 K
Engine family 03	288 K
test track:	according to 97/24/EC, chap. 9 Annex VII

2. Tests carried out: see test record

3. Test results: see test record

4. Place and date of the test:

Engine family 00	Asiago (VI), 13-Dec.-2004
Engine family 01	Pontedera (PI), 09-Feb.-2006
Engine family 02	Asiago (VI), 26-Apr.-2006
Engine family 03	Asiago (VI), 19-Apr.-2006



Automotive

Technical Report No. 350-0350-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP Engine Family: 00, 01, 02, 03

97/24/EC, Chap.9

Page 4

III. Enclosures:

- Test records dated: 13-Dec.-2004 (1 page)
09-Feb.-2006 (1 page)
26-Apr.-2006 (2 pages)
19-Apr.-2006 (2 pages)
- Information Document No. ZGU/LP/2002/24/rev.03 dated 03.07.2006
(see attachment 1 to Technical Report No. 350-0345-04-ITA Ext.04).

IV. Final Confirmation

The given information and the described vehicle type LP engine families 00, 01, 02 and 03 therein are in accordance with the above mentioned test basis, the 97/24/EC chapter 9 dated 03.09.1997, including the last amendment 2005/30/EC dated 22-Apr.-2005.
The test equipment, facilities and test sites fulfilled the requirements of the applicable legislation.

This technical report consists of sheet 1 to 4 and enclosures (6 pages).



Recognised Expert
Francesco Medici

fm Sesto San Giovanni – MI (I), the 10-Jul-06

Cd06 – 158092



Test Record for noise level
according to the council directive 97/24/EC, Chapter 9



Automotive

Enclosure 1 page 1, to Technical Report No.: 350 – 0350 - 04 – ITA Ext.03

1. Vehicle:
 - 1.1. Manufacturer: Moto Guzzi S.p.A.
 - 1.2. Type: LP
 - 1.3. Engine family: 00
 - 1.3. Vehicle Identification Number: ZGULP00004M111121 (Prototype)
 - 1.4. Test weight together with rider: 323 kg
2. Engine:
 - 2.1. Manufacturer: Moto Guzzi S.p.A.
 - 2.2. Type: KP
 - 2.3. Sort: Spark ignition engine, four stroke
 - 2.4. Power: 63,0 kW at 7500 min⁻¹
 - 2.5. Maximum vehicle speed: 210 km/h
3. Gearbox:
 - 3.1. Sort: manual
 - 3.2. Number of gears: 6
 - 3.3. Final drive ratio: 1 : 3,666 (12 / 44)
4. Equipment:
 - 4.1. Exhaust System: Reflection-Absorption; markings muffler, expansion chamber and exhaust pipes: Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.00
 - 4.2. Intake System: Air filter box: Foam substance dry air filter box, marking Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.00
 - 4.3. Tire dimension: front: 120/70 - ZR17 (58W)
rear: 180/55 - ZR17 (73W)

5. Measurements:

5.1. Sound level of moving vehicle:

TÜV Automotive GmbH TA-MI-T	Results ¹⁾										test conditions		
	left	right	left	right	left	right	left	right	left	right	--		
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	X	2. gear if n. more then 4. gears
gear/V (km/h)	II / 50		III / 50								--	level (if preselector lever)	
Engine revolution											--	automat. gearb. without presel.	
1. Test	81	80	80	79							--	various gears	
2. Test	81	80	80	79							--	n=3/4 S ² ; v= ---km/h	
3. Test											--	v=30 km/h	
4. Test											--	v= 40 km/h	
Intermediate Result	80,5 dB(A)		79,5 dB(A)		dB(A)		dB(A)		dB(A)		X	v=50 km/h	
Test Result	80,0 dB(A)										--	v=3/4 v _{max} = ___ km/h	

5.2. Sound level of stationary vehicle:

	dB(A) Left	dB(A) right	Engine speed [min ⁻¹]
1. Test	91	---	3750
2. Test	91	---	3750
3. Test	90	---	3750
4. Test			
Test Result	91 dB(A)		

Stationary conditions are:

-Vehicle on the central stand at the test track;

6. Place: Asiago (VI)
7. Date of the test: 13-Dec.-2004



8. Sign Francesco Medici

- 1) Given are the measurements which are reduced by 1 dB(A).
- 2) "S" is the speed, where the engine produces its net power



Test Record for noise level
according to the council directive 97/24/EC, Chapter 9



Automotive

Enclosure 1 page 2, to Technical Report No.: 350 – 0350 - 04 – ITA Ext.03

1. Vehicle:
 - 1.1. Manufacturer: Moto Guzzi S.p.A.
 - 1.2. Type: LP
 - Engine family: 01
 - Variant/version: B/??, E/??, L/??
 - 1.3. Vehicle Identification Number: ZGULP00085M111188 (Prototype)
 - 1.4. Test weight together with rider: 323 kg
2. Engine:
 - 2.1. Manufacturer: Moto Guzzi S.p.A.
 - 2.2. Type: A1
 - 2.3. Sort: Spark ignition engine, four stroke
 - 2.4. Power: 54,0 kW at 7650 min⁻¹
 - 2.5. Maximum vehicle speed: 185 km/h
3. Gearbox:
 - 3.1. Sort: manual
 - 3.2. Number of gears: 6
 - 3.3. Final drive ratio: 1 : 3,666 (12 / 44)
4. Equipment:
 - 4.1. Exhaust System: Reflection-Absorption; markings muffler, expansion chamber and exhaust pipes: Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.01
 - 4.2. Intake System: Air filter box: Foam substance dry air filter box, marking Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.01
 - 4.3. Tire dimension: front: 120/70 - ZR17 (58W)
rear: 180/55 - ZR17 (73W)

5. Measurements:
5.1. Sound level of moving vehicle:

TÜV Automotive GmbH TA-MI-T	Results ¹⁾										test conditions	
	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	--	2. gear if n. more then 4. gears
gear/V (km/h)	II / 50		III / 50								X	2 u. 3. gear if more then 4 gears
Engine revolution											--	automat. gearb. without presel.
1. Test	81	81	79	79							--	various gears
2. Test	81	81	79	79							--	n=3/4 S ² ; v= ---km/h
3. Test											--	v=30 km/h
4. Test											--	v= 40 km/h
Intermediate Result	81,0 dB(A)		79,0 dB(A)		dB(A)		dB(A)		dB(A)		X	v=50 km/h
Test Result	80,0 dB(A)										--	v=3/4 v _{max} = ___ km/h

5.2. Sound level of stationary vehicle:

	dB(A) Left	dB(A) right	Engine speed [min ⁻¹]
1. Test	88	---	3825
2. Test	88	---	3825
3. Test	88	---	3825
4. Test			
Test Result	88 dB(A)		

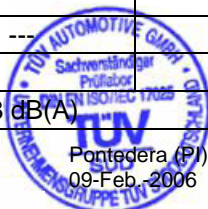
Stationary conditions are:

-Vehicle on the central stand at the test track;

6. Place: Pontedera (PI)
7. Date of the test: 09-Feb-2006

8. Sign: Francesco Medici

- 1) Given are the measurements which are reduced by 1 dB(A).
- 2) "S" is the speed, where the engine produces its net power



Test Record for noise level
according to the council directive 97/24/EC, Chapter 9



Automotive

Enclosure 1 page 3, to Technical Report No.: 350 – 0350 - 04 – ITA Ext.03

- 1. Vehicle:
 - 1.1. Manufacturer: Moto Guzzi S.p.A.
 - 1.2. Type: LP
 - Variant/version: G/??, M/??
 - Engine family: 02
 - 1.3. Vehicle Identification Number: ZGULP00004M111122 (Prototype)
 - 1.4. Test weight together with rider: 323 kg

- 2. Engine:
 - 2.1. Manufacturer: Moto Guzzi S.p.A.
 - 2.2. Type: A2
 - 2.3. Sort: Spark ignition engine, four stroke
 - 2.4. Power: 68,0 kW at 7250 min⁻¹
 - 2.5. Maximum vehicle speed: 215 km/h

- 3. Gearbox:
 - 3.1. Sort: manual
 - 3.2. Number of gears: 6
 - 3.3. Final drive ratio: 1 : 3,666 (12 / 44)

- 4. Equipment:
 - 4.1. Exhaust System: Reflection-Absorption; markings muffler, expansion chamber and exhaust pipes: Moto Guzzi ZGU1002 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.2. Intake System: Air filter box: Foam substance dry air filter box, marking Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.3. Tire dimension: front: 120/70 - ZR17 (58W)
rear: 180/55 - ZR17 (73W)

5. Measurements:

5.1. Sound level of moving vehicle:

TÜV Automotive GmbH TA-MI-T	Results ¹⁾										test conditions	
	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	--	
gear/V (km/h)	II / 50		III / 50								--	2. gear if n. more then 4. gears
Engine revolution											--	2 u. 3. gear if more then 4 gears
1. Test	81	80	80	79							--	various gears
2. Test	81	80	80	79							--	n=3/4 S ² ; v= ---km/h
3. Test											--	v=30 km/h
4. Test											--	v= 40 km/h
Intermediate Result	80,5 dB(A)		79,5 dB(A)		dB(A)		dB(A)		dB(A)		X	v=50 km/h
Test Result	80,0 dB(A)										--	v=3/4 v _{max} = ___ km/h

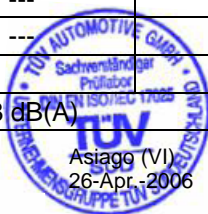
5.2. Sound level of stationary vehicle:

	dB(A) Left	dB(A) right	Engine speed [min ⁻¹]
1. Test	88	---	3625
2. Test	88	---	3625
3. Test	88	---	3625
4. Test			
Test Result	88 dB(A)		

Stationary conditions are:

-Vehicle on the central stand at the test track;

- 6. Place: Asiago (VI)
- 7. Date of the test: 26-Apr.-2006



- 8. Sign: Francesco Medici
- 1) Given are the measurements which are reduced by 1 dB(A).
- 2) "S" is the speed, where the engine produces its net power



Test Record for noise level
according to the council directive 97/24/EC, Chapter 9



Automotive

Enclosure 1 page 4, to Technical Report No.: 350 – 0350 - 04 – ITA Ext.03

1. Vehicle:
 - 1.1. Manufacturer: Moto Guzzi S.p.A.
 - 1.2. Type: LP
 - Variant/version: H/??
 - Engine family: 02
 - 1.3. Vehicle Identification Number: ZGULP00095M112978 (Prototype)
 - 1.4. Test weight together with rider: 336 kg
2. Engine:
 - 2.1. Manufacturer: Moto Guzzi S.p.A.
 - 2.2. Type: A2
 - 2.3. Sort: Spark ignition engine, four stroke
 - 2.4. Power: 68,0 kW at 7250 min⁻¹
 - 2.5. Maximum vehicle speed: 220 km/h
3. Gearbox:
 - 3.1. Sort: manual
 - 3.2. Number of gears: 6
 - 3.3. Final drive ratio: 1 : 3,666 (12 / 44)
4. Equipment:
 - 4.1. Exhaust System: Reflection-Absorption; markings muffler, expansion chamber and exhaust pipes: Moto Guzzi ZGU1002 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.2. Intake System: Air filter box: Foam substance dry air filter box, marking Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.3. Tire dimension: front: 120/70 - ZR17 (58W)
rear: 180/55 - ZR17 (73W)

5. Measurements:

5.1. Sound level of moving vehicle:

TÜV Automotive GmbH TA-MI-T	Results ¹⁾										test conditions	
	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	--	
gear/V (km/h)	II / 50		III / 50								--	2. gear if n. more then 4. gears
Engine revolution											--	2 u. 3. gear if more then 4 gears
1. Test	80	79	79	78							--	level (if preselector lever)
2. Test	80	79	79	78							--	automat. gearb. without presel.
3. Test											--	various gears
4. Test											--	n=3/4 S ² ; v= ---km/h
Intermediate Result	79,5 dB(A)		78,5 dB(A)		dB(A)		dB(A)		dB(A)		X	v=30 km/h
Test Result	79,0 dB(A)										--	v= 40 km/h
											X	v=50 km/h
											--	v=3/4 v _{max} = ___ km/h

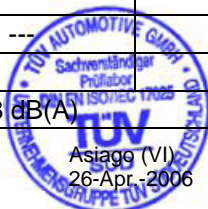
5.2. Sound level of stationary vehicle:

	dB(A) Left	dB(A) right	Engine speed [min ⁻¹]
1. Test	88	---	3625
2. Test	88	---	3625
3. Test	88	---	3625
4. Test			
Test Result	88 dB(A)		

Stationary conditions are:

-Vehicle on the central stand at the test track;

6. Place: Asiago (VI)
7. Date of the test: 26-Apr.-2006



8. Sign: Francesco Medici
- 1) Given are the measurements which are reduced by 1 dB(A).
- 2) "S" is the speed, where the engine produces its net power



Test Record for noise level
according to the council directive 97/24/EC, Chapter 9



Automotive

Enclosure 1 page 5, to Technical Report No.: 350 – 0350 - 04 – ITA Ext.03

1. Vehicle:
 - 1.1. Manufacturer: Moto Guzzi S.p.A.
 - 1.2. Type: LP
 - Variant/version: G/??, M/??
 - Engine family: 03
 - 1.3. Vehicle Identification Number: ZGULP00004M111122 (Prototype)
 - 1.4. Test weight together with rider: 323 kg
2. Engine:
 - 2.1. Manufacturer: Moto Guzzi S.p.A.
 - 2.2. Type: A2
 - 2.3. Sort: Spark ignition engine, four stroke
 - 2.4. Power: 68,0 kW at 7250 min⁻¹
 - 2.5. Maximum vehicle speed: 215 km/h
3. Gearbox:
 - 3.1. Sort: manual
 - 3.2. Number of gears: 6
 - 3.3. Final drive ratio: 1 : 3,666 (12 / 44)
4. Equipment:
 - 4.1. Exhaust System: Reflection-Absorption; markings muffler, expansion chamber and exhaust pipes: Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.2. Intake System: Air filter box: Foam substance dry air filter box, marking Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.3. Tire dimension: front: 120/70 - ZR17 (58W)
rear: 180/55 - ZR17 (73W)

5. Measurements:

5.1. Sound level of moving vehicle:

TÜV Automotive GmbH TA-MI-T	Results ¹⁾										test conditions	
	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	left dB(A)	right dB(A)	--	
gear/V (km/h)	II / 50		III / 50								--	2. gear if n. more then 4. gears
Engine revolution											--	2 u. 3. gear if more then 4 gears
1. Test	80	79	79	78							--	various gears
2. Test	80	79	79	78							--	n=3/4 S ² ; v= ---km/h
3. Test											--	v=30 km/h
4. Test											--	v= 40 km/h
Intermediate Result	79,5 dB(A)		78,5 dB(A)		dB(A)		dB(A)		dB(A)		X	v=50 km/h
Test Result	79,0 dB(A)										--	v=3/4 v _{max} = ___ km/h

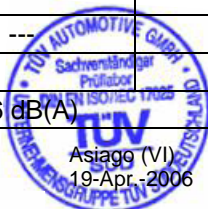
5.2. Sound level of stationary vehicle:

	dB(A) Left	dB(A) right	Engine speed [min ⁻¹]
1. Test	86	---	3625
2. Test	85	---	3625
3. Test	86	---	3625
4. Test			
Test Result	86 dB(A)		

Stationary conditions are:

-Vehicle on the central stand at the test track;

6. Place: Asiago (VI)
7. Date of the test: 19-Apr.-2006



8. Sign: Francesco Medici
- 1) Given are the measurements which are reduced by 1 dB(A).
- 2) "S" is the speed, where the engine produces its net power



Test Record for noise level
according to the council directive 97/24/EC, Chapter 9



Automotive

Enclosure 1 page 6, to Technical Report No.: 350 – 0350 - 04 – ITA Ext.03

1. Vehicle:
 - 1.1. Manufacturer: Moto Guzzi S.p.A.
 - 1.2. Type: LP
 - Variant/version: H/??
 - Engine family: 03
 - 1.3. Vehicle Identification Number: ZGULP00095M112978 (Prototype)
 - 1.4. Test weight together with rider: 336 kg
2. Engine:
 - 2.1. Manufacturer: Moto Guzzi S.p.A.
 - 2.2. Type: A2
 - 2.3. Sort: Spark ignition engine, four stroke
 - 2.4. Power: 68,0 kW at 7250 min⁻¹
 - 2.5. Maximum vehicle speed: 220 km/h
3. Gearbox:
 - 3.1. Sort: manual
 - 3.2. Number of gears: 6
 - 3.3. Final drive ratio: 1 : 3,666 (12 / 44)
4. Equipment:
 - 4.1. Exhaust System: Reflection-Absorption; markings muffler, expansion chamber and exhaust pipes: Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.2. Intake System: Air filter box: Foam substance dry air filter box, marking Moto Guzzi ZGU1000 e11; see information document No. ZGU/LP/2002/24/rev.02
 - 4.3. Tire dimension: front: 120/70 - ZR17 (58W)
rear: 180/55 - ZR17 (73W)

5. Measurements:

5.1. Sound level of moving vehicle:

TÜV Automotive GmbH TA-MI-T	Results ¹⁾										test conditions		
	left	right	left	right	left	right	left	right	left	right	--		
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	X	2. gear if n. more then 4. gears
gear/V (km/h)	II / 50		III / 50								--	level (if preselector lever)	
Engine revolution											--	automat. gearb. without presel.	
1. Test	79	78	78	77							--	various gears	
2. Test	79	78	78	77							--	n=3/4 S ²); v= ---km/h	
3. Test											--	v=30 km/h	
4. Test											--	v= 40 km/h	
Intermediate Result	78,5 dB(A)		77,5 dB(A)		dB(A)		dB(A)		dB(A)		X	v=50 km/h	
Test Result	78,0 dB(A)										--	v=3/4 v _{max} = ___ km/h	

5.2. Sound level of stationary vehicle:

	dB(A) Left	dB(A) right	Engine speed [min ⁻¹]
1. Test	86	---	3625
2. Test	85	---	3625
3. Test	86	---	3625
4. Test			
Test Result	86 dB(A)		

Stationary conditions are:

-Vehicle on the central stand at the test track;

6. Place: Asiago (VI)
7. Date of the test: 19-Apr.-2006



8. Sign: Francesco Medici
- 1) Given are the measurements which are reduced by 1 dB(A).
- 2) "S" is the speed, where the engine produces its net power





Automotive

Technical Report No. 350-0351-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

2000/7/EC

Page 1

Extension 03 to TECHNICAL REPORT No. 350 - 0351 - 04 - ITA

Test according to the EC-Directive of the European Parliament and of the Council relating to

Speedometers indicators for Two- Or Three-Wheel Motor Vehicles

No. 2000/7/EC

dated 20.03.2000

I. Technical description:

- | | | |
|-------|--|--|
| 0.1 | Make: | Moto Guzzi |
| 0.2 | Type: | LP |
| 0.2.1 | Variant / Version | ? / ?? |
| 0.3 | Sort: | Motorcycle (according to 2002/24/EC) |
| 0.4 | Category of vehicle: | L3e (according to 2002/24/EC);
D (according to 97/24/EC, Chapter 7) |
| 0.5 | Name and address of the manufacturer | Moto Guzzi S.p.A.
Via E. Parodi, 57
I-23826 Mandello del Lario (LC)
- Italy - |
| 0.6 | Name of the manufacturers representative | Not applicable |
| 0.7 | Location of approval mark | Not applicable |
| 0.8 | Reason for Extension | - New variant/version L/00, L/01, M/00, M/01;
- Documents updating. |



Automotive

Technical Report No. 350-0351-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

2000/7/EC

Page 2

II. Test Record

1. Test conditions

1.1. Technical data of the test vehicle:

Manufacturer: Moto Guzzi S.p.A
Type: LP
Vehicle identification number: ZGULP00004M111121 (Prototype)
Tyres:
Front: 120 / 70 - ZR17 (58W)
Rear: 180 / 55 - ZR17 (73W)

Mass of vehicle in running order:

Variant / version O/??, A/??,
B/??, E/??, G/??, M/?: 248 kg
Variant / version H/??, L/?: 261 kg

Max. net power

Engine Family 00: 63,0 kW
Engine Family 01: 54,0 kW
Engine Family 02, 03: 68,0 kW

Maximum designed speed:

	Variant / version	Engine family
210 km/h	O/??, A/??	00
185 km/h	B/??, E/??	01
215 km/h	G/??, M/??	02, 03
220 km/h	H/??	02, 03
190 km/h	L/??	01



Automotive

Technical Report No. 350-0351-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

2000/7/EC

Page 3

Final drive ratio: 1 : 3,666

Rolling circumference

Front: 1812 mm

Rear: 1903 mm

Tyre pressure
(according to annex point 1.3.)

Front: 270 kPa

Rear: 300 kPa

Reference temperature at the
speedometer (°C):

300 K

Test track:

Asphalt, flat

1.2. Measuring instruments

Measuring instruments for

Optical sensor for speed, with digital display

1.3. Technical data of speedometer

Type:

Digital speedometer

Drive:

Electronic from front axle with a transmission ratio of 6 imp./round

2. Tests: corresponding to the directive



Automotive

Technical Report No. 350-0351-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

2000/7/EC

Page 4

3. Test results

3.1. General tests

Indicator: In the direct field of view of the driver, illuminated

Recognizability: Fulfils paragraph 2.1 of the annex

Scale: Configuration with km/h and Mph or configuration with only km/h, both according to point 2.2.3. of the annex, analogic dial.

3.2. Precision of indicator

Displayed speed V_1 [km/h]	Measured time T [sec]	Measured space S [m]	Actual speed V_2 [km/h]	Measured deviation $(V_1 - V_2)$ [km/h]	Allowed deviation $(0,1 \times V_2 + 4 \text{ km/h})$ [km/h]
45	--	--	40	5	8
89	--	--	80	9	12
130	--	--	120	10	16
--	--	--	--	--	--

4. Place and date of test: Asiago (VI), 03-Dec.-2004



Automotive

Technical Report No. 350-0351-04-ITA Ext.03
Manufacturer: Moto Guzzi S.p.A.
Type: LP

2000/7/EC

Page 5

III. Enclosures

- Information Document No. ZGU/LP/2002/24/rev.03 dated 03.07.2006
(see attachment 1 to Technical Report No. 350-0345-04-ITA Ext.04).

IV. Final confirmation

The information document and the therein described vehicle type corresponds to the above mentioned requirements.

The technical report consists of sheet 1 to 5.



Recognised Expert
Francesco Medici

fm Sesto San Giovanni – MI (I), the 10-Jul-06

Cd06 – 158092



e11*2002/24*0152*03

MAKE: Moto Guzzi

TYPE: LP

ANNEX VII

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:

Directive 97/24/EC chap. 9 dated 17-Jun.-1997

including amendment 2005/30/EC dated 22-Apr.-2005.

Approval number:

1. Results of the sound level tests.

Type/Variant/Version	LP/0/00, LP/A/00	LP/B/00, LP/E/00, LP/L/00, LP/L/01	LP/G/00, LP/G/01, LP/M/00, LP/M/01		LP/H/00, LP/H/01	
Engine family	00	01	02	03	02	03
Moving dB(A)	80,0	80,0	80,0	79,0	79,0	78,0
Stationary dB(A) at (min ⁻¹)	91 3750	88 3825	88 3625	86 3625	88 3625	86 3625

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:

Directive 97/24/EC chap. 5 dated 17-Jun.-1997

including amendment 2005/30/EC dated 22-Apr.-2005.

Approval number:

2.1 Type I

Variant/Version	LP/0/00, LP/A/00	LP/B/00, LP/E/00, LP/L/00, LP/L/01	LP/G/00, LP/G/01, LP/M/00, LP/M/01		LP/H/00, LP/H/01	
Engine family	00	01	02	03	02	03
CO (g/km) ⁽¹⁾	1,2310	0,743	1,011	0,865	1,011	0,865
HC (g/km) ⁽¹⁾	0,1825	0,132	0,178	0,167	0,178	0,167
NO _x (g/km) ⁽¹⁾	0,1195	0,084	0,018	0,095	0,018	0,095
HC+NO _x (g/km) ⁽²⁾	n.a.	n.a.	n.a.		n.a.	



2.2 Type II

Type/Variant/Version	LP/?/??
Engine Family	??
CO (g/min) ⁽²⁾	n.a.
HC (g/min) ⁽²⁾	n.a.
at (min ⁻¹)	n.a.

Type/Variant/Version	LP/0/00, LP/A/00	LP/B/00, LP/E/00, LP/L/00, LP/L/01	LP/G/00, LP/G/01, LP/M/00, LP/M/01	LP/H/00, LP/H/01
Engine Family	00	01	02 03	02 03
CO (% vol) ⁽¹⁾	0,1	0,05	0,01 0,07	0,01 0,07
at (min ⁻¹)	1100	1100	1100	1100

Variant/Version	LP/0/00, LP/A/00	LP/B/00, LP/E/00, LP/L/00, LP/L/01	LP/G/00, LP/G/01, LP/M/00, LP/M/01	LP/H/00, LP/H/01
Engine Family	00	01	02 03	02 03
CO (% vol) ⁽¹⁾	0,05	0,2	0,1 0,05	0,1 0,05
at (min ⁻¹)	2200	2200	2200	2200
Engine oil temperature at the time of the test	358 K	375 K	371 K 373 K	371 K 373 K

3. Compression ignition engine

Type/Variant/Version	LP/?/??
Engine Family	??
Corrected value of absorption coefficient (m ⁻¹)	n.a.

⁽¹⁾ Only for motorcycles and motor tricycles and for quadricycles.

⁽²⁾ Only for mopeds and light quadricycles.

