



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/ ~~APPROVAL EXTENDED ⁽⁴⁾~~
~~APPROVAL REFUSED ⁽⁴⁾~~/ ~~APPROVAL WITHDRAWN ⁽⁴⁾~~ TO A COMPONENT TYPE-APPROVAL
CERTIFICATE IN RESPECT OF A NON-ORIGINAL EXHAUST SYSTEM FOR A TYPE OF
MOTORCYCLE PURSUANT TO COUNCIL DIRECTIVE 97/24/EC – CHAPTER 9 AS LAST
AMENDED BY 2009/108/EC.

EC Component type-approval No: e11*97/24/9/III*2009/108*0926*00

Report No 14-00042-CM-MIL-00, by technical service TÜV SÜD Auto Service, date 10 November 2014

Reason(s) for extension: Not applicable

1. Make of exhaust: Termignoni
2. Type of exhaust: H125
3. Name and address of manufacturer:
Termignoni S.p.A.
Via della Rampina, 1
15077 Predosa (AL)
Italy
4. If applicable, name and address of the manufacturer's authorized representative:
Not applicable
5. Make(s) and type(s) and any variant(s) or version(s) of the vehicle(s) for which the exhaust
system is designed: See list enclosed
6. Date system submitted for testing: See enclosure

7. Component type-approval GRANTED

8. Place: BRISTOL

9. Date: 28 NOVEMBER 2014

10. Signature:



A.W.STENNING
Head of Technical and Quality Support Group

(1) Delete as appropriate





THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: e11*97/24/9/III*2009/108*0926*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Total number of sheets: 7 (Seven)

Reasons for Revision: Not applicable

Revision date
&
Office stamp

EAQ310668

An executive agency of the Department for Transport
April 2013 Revision 3





INFORMATION DOCUMENT
N° H125/97/24 rev. 00

Date: 10/11/2014
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Information Document relating to EC type approval as separate technical unit of exhaust systems for motorcycles (Directive 97/24/EC amended 2009/108/EC)

1. *Make (trade name of manufacturer):* TERMIGNONI
2. *Type and general commercial description:* H125
3. *Name and address of manufacturer:* Termignoni S.p.A.
via della Rampina, 1
I-15077 Predosa (AL)
4. *Name and address of manufacturer's authorized representative:* Not applicable
5. *Parts list:* Notice enclosure 1 of the test report
6. *Make and motorcycle type of the field of application:* See list enclosed
7. *Restriction and instructions for installing:* Notice assembly manual and field of application

Further details according to directive 97/24/EC, chapter 9, annex III, enclosure 2 A including amendment 2009/108/EC are mentioned in the motorcycle homologation (notice enclosure 2 of the test report).





INFORMATION DOCUMENT
N° H125/97/24 rev. 00

Date: 10/11/2014
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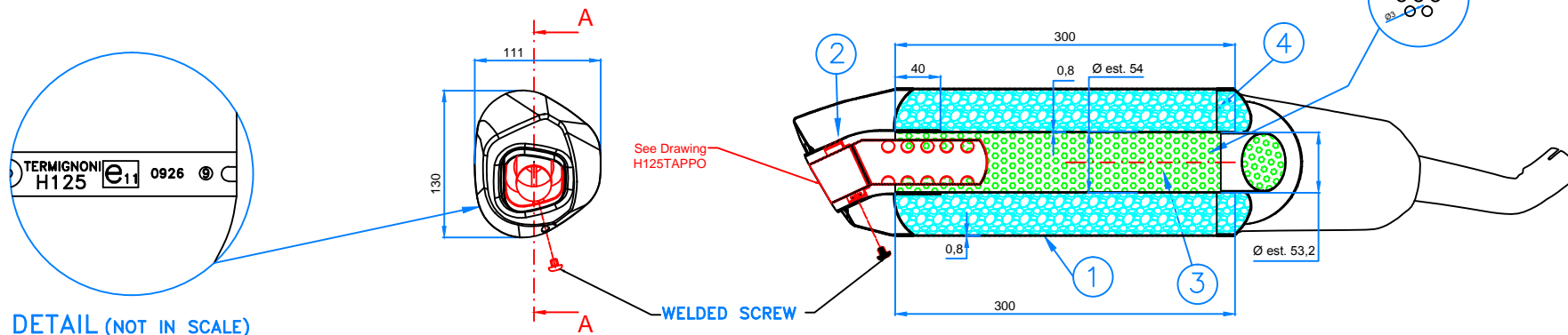
Information Document relating to EC type approval as separate technical unit of exhaust systems for motorcycles (Directive 97/24/EC amended 2009/108/EC)

| <i>Enclosures</i> | <i>Drawing no.</i> | <i>Date</i> |
|-------------------------------|--------------------|-------------|
| <i>Drawing of silencer</i> | H125: SILENCER | 20/10/2014 |
| <i>Drawing of reduction</i> | H125: TAPPO | 21/10/2014 |
| <i>Drawing of composition</i> | H125: ASSEMBLY | 20/10/2014 |
| <i>List of vehicles</i> | | |
| <i>Fitting instructions</i> | | |

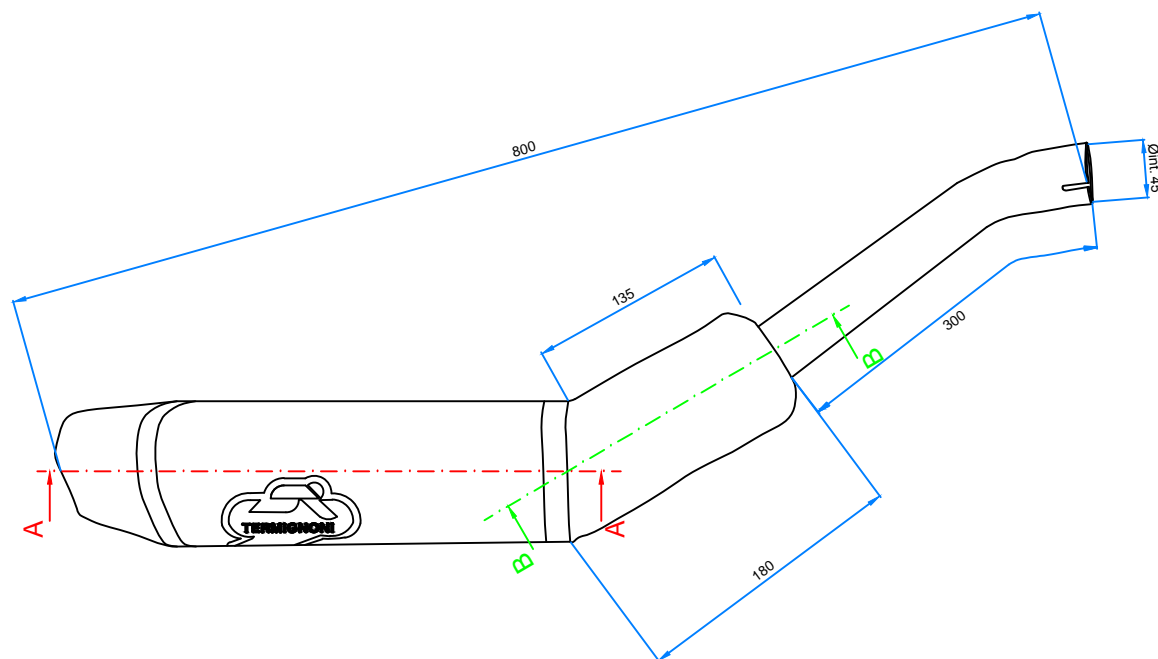
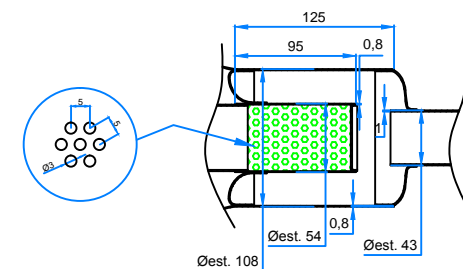


General tolerance: $\pm 1\text{mm}$

SEZIONE A-A



SEZIONE B-B



PART LIST

| Nr | Part name | Material | Dimensions | QT |
|----|-----------------------|-----------------|-------------|----|
| 1 | Shell | Stainless Steel | See Drawing | 1x |
| | | Titanium | See Drawing | 1x |
| | | Carbon fiber | See Drawing | 1x |
| | | Aluminium | See Drawing | 1x |
| 2 | Outlet Pipe | Stainless Steel | See Drawing | 1x |
| | | Titanium | See Drawing | 1x |
| 3 | Perforated inner pipe | Stainless Steel | Ø 54x0,8 | 1x |
| | | Titanium | Ø 54x0,8 | 1x |
| 4 | Soundproof material | Fiberglass | 550 gr. | 1x |

SCALE:

DATE: 20/10/2014

NAME: M. Garampazzi

TYPE:

MODEL:

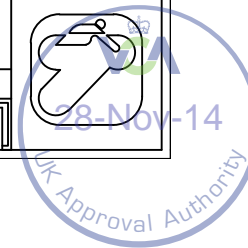
HONDA CROSSTOURER

1 SIL. Cod. H125

H125 e11 0926

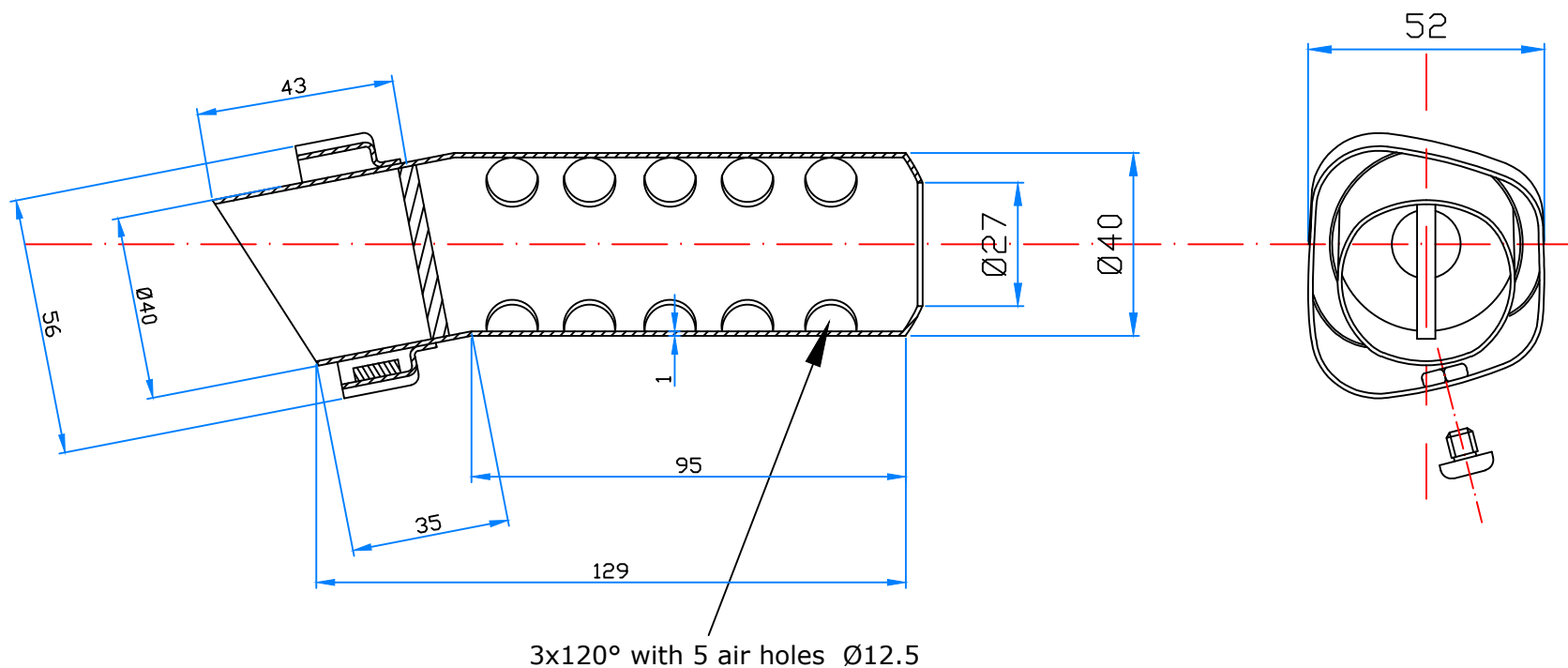
H125: SILENCER

Termignoni s.p.a.



General tolerance: $\pm 1\text{mm}$

MATERIAL: S.Steel or Titanium



SCALA:

DATUM: 21/10/2014

NAME: M. Garampazzi

Tip:

H125: Tappo

MODEL:

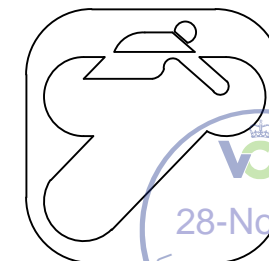
Honda Crosstourer
1 SIL. OM. Cod. H125
H125 e11 0926 ⑨

Cod. TERMIGNONI TER547

Termignoni

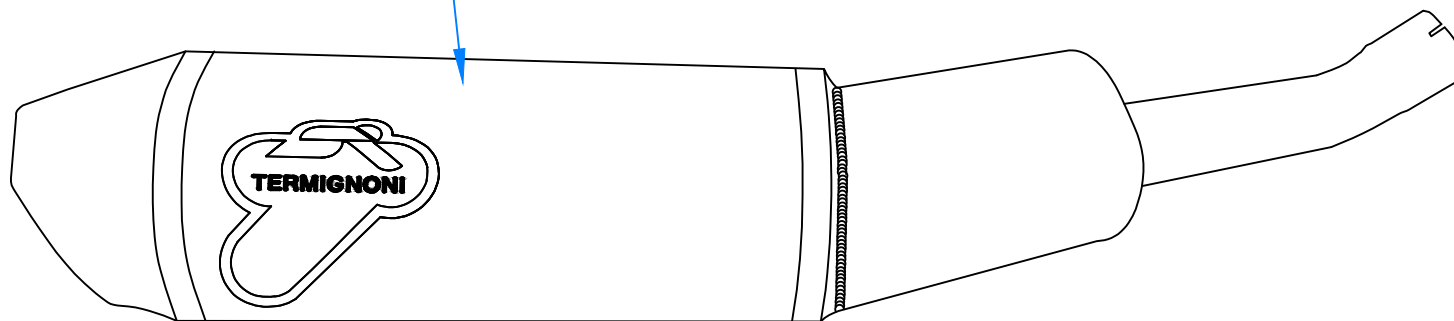
s.p.a.

info@termignoni.it



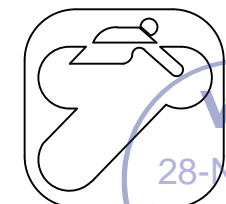
Material: Stainless steel or titanium

SILENCER
see drawing "H125: Silencer"



| | |
|-----------------------------|--------------------|
| SCALE: | MODEL: |
| DATE: 20/10/2014 | HONDA CROSSTOURER |
| NAME: M. Garampazzi | SILENCER code H125 |
| TYPE: H125: ASSEMBLY | H125 e11 0926 ⑨ |

Termignoni s.p.a.



www.termignoni.it

28-Nov-14

Approval Authority

INFORMATION DOCUMENT N° H125/97/24 rev. 00 - List of the vehicles

| No. of vehicle | Manufacturer | Make | Commercial name | Vehicle type (and no. of homologation) | Engine type | Stroke | Engine capacity in cm ³ | Rated maximum engine power in kW/min ⁻¹ | Additional remarks: | Composition as shown in enclosure no. 1 |
|----------------|-----------------------|-------|----------------------|--|-------------|----------|------------------------------------|--|---------------------|---|
| 1) | HONDA MOTOR CO., LTD. | HONDA | VRF1200X Crosstourer | SC70 e4*2002/24*2701* | SC70E | 4-stroke | 1237 | 95 / 7750 | with cat* | 1) 2) 3) 4) |

*) The original catalytic converter remain in the original exhaust system. A degradation of catalyst efficiency is not expected.



Termignoni s.p.a.
Via della Rampina, 1
15077 PREDOSA (AL) Italy
Telef. +39 0131.71666
Fax +39 0131.71696
www.termignoni.it
Part. IVA - C.F. 00862780061
Iscriz. C.C.I.A.A. AL 130295
Iscriz. Tribunale Reg. Soc. 7721
N. Export AL 009063
C.C. IT 00862780061
Cap. Soc. € 1.000.000,00 int. vers.

FITTING INSTRUCTIONS

For Termignoni exhaust systems

A. Dismantling the original exhaust system

1. Remove any casing impeding clear access
2. Detach the silencer support(s) and the original silencer from the branch pipe and/or exhaust manifold

B. Fitting Termignoni silencer(s)

1. Fit the Termignoni silencer(s) to the original branch pipe, or use the Termignoni branch pipe to fit the exhaust manifold
2. Attach the silencer(s) with the mounting(s) supplied with the vehicle, leaving the screws and bolts loose
3. Adjust the exhaust system so that when fully inserted it is at least 5 mm from any other component of the vehicle
4. Tighten all screws and bolts
5. Test the vehicle and check all connections, tightening the screws and bolts if necessary
6. After about 100 km check all the connections again and tighten the screws and bolts if necessary

WARNING:

Take care when working on the exhaust system after testing the vehicle since the surfaces could be very hot



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Manufacturer: Termignoni S.p.A
Type: H125

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TEST REPORT

No. 14-00042-CM-MIL-00

about a test of a non-original exhaust system or a component
as a separate technical unit for motorcycles according to the directive of the Council of the
European Community for adaptation to the laws of the Member States relating to the
permissible sound level, pollution and exhaust systems for two or three-wheel motor vehicles

No. 97/24/EC including the amendment 2009/108/EG
Concerning chapter 9, annex III

| Approval status | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Granting of a type approval |
| <input type="checkbox"/> | Extension/correction to type approval no. -- |

Techn. Report No.: 14-00042-CM-MIL-00
Manufacturer: Termignoni S.p.A
Type: H125

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Reason for extension:

It will be changed: Not applicable

It will be updated: Not applicable

0. General information

- 0.1. Make: TERMIGNONI
- 0.2. Type: H125
- 0.2.1. Variants n.a.
- 0.3. Name and address of manufacturer: Termignoni S.p.A.
Via della Rampina, 1
I-15077 Predosa (AL)
Italy
- 0.4. Name and address of authorized agent: n.a.
- 0.5. No. of information document: H125/97/24 rev. 00
Date: 10.11.2014
- 1.0. Class of the vehicles the unit is used for: L3e
- 1.1. Description of the vehicles
the unit is used for: notice enclosure 2

2. Composition of the separate technical unit

- 2.1. Kind of technical unit: Non-original exhaust system, consisting out of one silencer on the right, maximum shape 130x111 mm, total length 800 mm (with endcap) absorption-reflection principle with outlet pipe \varnothing 38 mm according to drawings no. H125: Silencer and H125: Tappo, in combination with original header system .. Aluminium- alternatively stainless steel alternatively titanium alternatively carbon fiber-cover.
- 2.2. Place of marking: On the silencer, see drawing:
H125: Silencer

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Manufacturer: Termignoni S.p.A
Type: H125

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- 2.3. Assembly of the exhaust system for testing
(no. of parts, enclosure 1): Notice 3.4
- 2.4. Position and direction of the tail pipe: On the rear right side of the vehicle

3. Test report

The tests were carried out in 1 serie A at 26/09/2014

3.1. **Vehicle**

- (0.1) Make: HONDA
- 3.1.1. Type / Variant / Version: SC70
- 3.1.1.1 Model: VFR 1200 X Crosstourer
- 3.1.2. Manufacturer: HONDA MOTOR CO., LTD.
- 3.1.3. Homologation no.: e4*2002/24*2701*
- 3.1.4. Vehicle identification no.: *JH2SC70A3CK004013*
- 3.1.5. Year of manufacture: 2013
- 3.1.6. Kilometers: 1453
- 3.1.7. Total weight: 275 kg

3.2. **Engine**

- 3.2.1. Manufacturer: Notice 3.1.2
- Trade name: HONDA MOTOR CO., LTD.
- 3.2.2. Type: SC70E
- 3.2.3. Engine capacity: 1237 cm³
- 3.2.4. Rated maximum engine power: 95 kW at 7750 min⁻¹

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Manufacturer: Termignoni S.p.A
Type: H125

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3.3. Transmission

- 3.3.1. Kind of transmission: Mechanical
- 3.3.4 Gearbox: 6 Speed
- 3.3.5. Transmission ratios:
primary / final 1:1,738 / 1:2,699
- Top speed: 209 km/h
- Tires:
front 110/80 R19 M/C 59V
rear 150/70 R17 M/C 69V

3.4. Assembly of the exhaust system

(no. of parts, enclosure 1): 1) 2) 3) 4)

3.5. Acoustic measurements

- 3.5.1. Manufacturer of the sound level meter: Brüel & Kjaer
- 3.5.2. Type of the sound level meter: 2236
- 3.5.3. Drive by noise, stationary noise:
according to the Council Directive No. 97/24/EC with the amendment 2009/108/EC chapter 9 III.
- 3.5.4 Load condition during drive by test: Unloaded weight plus 80kg driver
- 3.5.5. Deviation at calibration: < 0.2 dB(A)

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Manufacturer: Termignoni S.p.A
Type: H125

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3.6. Power measurement

3.6.1. Testing of max. power with non-original exhaust system:

The tested max. power und the engine speed are in the 5% tolerance in comparison with the original exhaust system. (see enclosure)

3.6.2. Testing of top speed with non-original exhaust system:

Not applicable, because vehicle class: Motorcycle L3e

3.7. Conditioning

by pulsation

3.8. Pollution Test

Emission test has not been carried out because the non original exhaust system does change neither cathalyst then vehicle performance.

3.9. Test results

- The results of
- 3.9.1. Noise testing
 - 3.9.2. Power measurement
 - 3.9.3. Top speed
- are attached in the enclosure.

All motorcycles with the same serial exhaust system and same or fewer performance mentioned in enclosure 2, can be taken into the field of application due to the measurement with the above named motorcycle/s.

- 3.9.5. The described non-original exhaust system / technical unit is suitable for an application at the vehicles listed in enclosure 2.
- 3.9.6. The general specifications concerning 97/24/EC capt.9 annex III point 3.5.1 were checked and fulfilled regarding the technical possibilities by the non-original exhaust system / technical unit.

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Manufacturer: Termignoni S.p.A
Type: H125

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4. Enclosures

Enclosure 1, Composition of the non original exhaust system
Enclosure 2, Field of application
Enclosure 3, Test results
Information Document

5. Summary

The information folder as mentioned under No. 0.5 and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document "Preparation of Test Reports".
The test report may be reproduced and published in full and by the client only. It can be reproduced partially with the written permission of the test laboratory only.

Designated as Technical Service by:

| Approval authority | Country | Registration-number | Actual scope list |
|--|--|---------------------------------|---|
| Kraftfahrt-Bundesamt (KBA) | Deutschland/ Germany | KBA-P 00100-10 | www.kba.de |
| Vehicle Certification Agency (VCA) | Vereintes Königreich/ United Kingdom | VCA-TS-006 | http://ec.europa.eu/enterprise/sectors/automotive/approval-authorities-technical-services/technical-services/index_en.htm |
| Approval Authority of the Netherlands (RDW) | Niederlande/ The Netherlands | RDW-99050009 01 | |
| National Standards Authority of Ireland (NSAI) | Irland/ Ireland | Technical Service Number: 49 | |
| Vehicle Safety Certification Center (VSCC) | Taiwan/ Taiwan | DE04-06-1 | http://www.vsc.org.tw/English/Default.aspx |

München, 10.11.2014



Pietro Vergani
Authorized Signatory



ENCLOSURE 1

To test report no.
Type:
Manufacturer:

14-00042-CM-MIL-00
H125
Termignoni S.p.A.

Composition of the original exhaust system + original parts

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| No. | Components parts, dimensions in mm | Dimensions of the part in mm or original part / replacement part | Part no. or homologation no. |
|-----|------------------------------------|---|------------------------------|
| 1) | Collectors | Original parts | -- |
| 2) | Catalytic converter | Original parts | -- |
| 3) | Reduction | Notice drawing | Drawing H125: Tappo |
| 4) | Silencer (outlet pipe Ø 38 mm) | One silencer on the right, maximum shape 130x111 mm, total length 800 mm (with endcap) absorption-reflection principle with outlet pipe Ø 38 mm | Drawing H125: Silencer |

ENCLOSURE 2

To test report no.
Type:
Manufacturer:

14-00042-CM-MIL-00
H125
Termignoni S.p.A.

Field of application

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| No. of vehicle | Manufacturer | Make | Commercial name | Vehicle type (and no. of homologation) | Engine type | Stroke | Engine capacity in cm ³ | Rated maximum engine power in kW/min ⁻¹ | Additional remarks: | Composition as shown in enclosure no. 1 |
|----------------|-----------------------|-------|----------------------|--|-------------|----------|------------------------------------|--|---------------------|---|
| 1) | HONDA MOTOR CO., LTD. | HONDA | VRF1200X Crosstourer | SC70 e4*2002/24*2701* | SC70E | 4-stroke | 1237 | 95 / 7750 | with cat* | 1) 2) 3) 4) |

*) The original catalytic converter remain in the original exhaust system. A degradation of catalyst efficiency is not expected.

ENCLOSURE 3

To test report no.
Type:
Manufacturer:

14-00042-CM-MIL-00
H125
Termignoni S.p.A.

Test results

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| No. of vehicle | Engine power original kW/min ⁻¹ | Engine power non original kW/min ⁻¹ | Vmax original km/h | Vmax non original km /h | measured in gear ratio | Limit Value **) | Original mea- sured | Non original measured | at km/h | Vehicle type hom. | Original mea- sured | Non original measured | at min ⁻¹ |
|----------------------|---|---|--------------------------|----------------------------------|------------------------------|-----------------------|---------------------------|-----------------------------|------------|-------------------------|---------------------------|-----------------------------|-------------------------|
| 1) A* | 95,0/7750 | 94,8 / 7750 | - | - | 2/3 | 80 | 80 | 80 | 50 | 94 | 92 | 91 | 3750 |

*) Test series

**) Limit value of directive which was valid by vehicle type homologation