



AVP, Kotnikova ulica 19a, SI-1000 Ljubljana, tel.: 01 400 8430, vozila@avp-rs.si
STSA, Kotnikova ulica 19a, SI-1000 Ljubljana, tel.: +386 1 400 8430, vozila@avp-rs.si
37141-099/2016/06

POTRDILO O EU-HOMOLOGACIJI
EU TYPE-APPROVAL CERTIFICATE

Sporočilo o:
Communication concerning:

- EU-homologaciji
- *EU type-approval*
- ~~razširitvi EU-homologacije~~
- ~~extension of EU type-approval~~
- ~~zavrnitvi EU-homologacije~~
- ~~refusal of EU type-approval~~
- ~~preklicu EU-homologacije~~
- ~~withdrawal of EU type-approval~~

samostojne tehnične enote: naprave za uravnavanje onesnaževanja
of a type of STU: pollution-control device

glede na Priloge II, III, ~~IV~~, ~~V~~ in VI k Delegirani uredbi Komisije (EU) št. 134/2014, kakor je bila nazadnje spremenjena z Delegirano uredbo Komisije (EU) št. 2016/1824
with regard to Annex(es) II, III, ~~IV~~, ~~V~~ and VI to Commission Delegated Regulation (EU) No 134/2014, as last amended by Commission Delegated Regulation (EU) No 2016/1824

Številka EU-homologacije: **e26*134/2014*2016/1824F*01081*00**
EU type-approval number:

Razlog za razširitev: /
Reason for extension:

ODDELEK I
SECTION I

- | | | |
|-------|---|---|
| 0.7 | Znamke (tovarniška imena proizvajalca): <i>Make(s) (trade name(s) of manufacturer)</i> | AKRAPOVIČ |
| 0.8 | Tip: <i>Type:</i> | P-KAT-060 |
| 0.8.1 | Trgovska imena (če obstajajo): <i>Commercial name(s) (if available):</i> | / |
| 0.9 | Ime podjetja in naslov proizvajalca: <i>Company name and adress of manufacturer:</i> | AKRAPOVIČ D.D. MALO HUDO 8A 1295 IVANČNA GORICA Slovenia |

- 0.9.1. Imena in naslovi proizvodnih tovarn:
Name(s) and address(es) of assembly plant(s): AKRAPOVIČ D.D.
MALO HUDO 8A
1295 IVANČNA GORICA
Slovenia
- AKRAPOVIČ D.D., PE ČRNOMELJ
ULICA HEROJA STARIHA 24
8340 ČRNOMELJ
Slovenia
- 0.9.2. Ime in naslov zastopnika
proizvajalca (če obstaja):
*Name and address of manufacturer's
representative (if nay):* /
- 0.10. Pri samostojni tehnični enoti,
vozila, za katere je namenjena:
*In the case of seperate technical unit,
vehicle(s) for which is intended for:* Husqvarna
- 0.10.1 Tip:
Type: Husqvarna 701 (e1*168/2013*00032*)
- 0.10.2 Variante:
Variant(s): vse
all
- 0.10.3 Izvedenke:
Version(s): vse
all
- 0.10.4 Trgovska imena (če obstajajo):
Commercial name(s) (if available): Enduro
Supermoto
- 0.10.5 Kategorija, podkategorija in
podpodkategorija vozila:
*Category, subcategory and
sub-subcategory of vehicle:* L3e-A3

in / and

| | | |
|--------|---------------------------------------|-------------------------------------|
| 0.10. | Husqvarna | |
| 0.10.1 | Husqvarna 701 (e1*168/2013*00034*) | Husqvarna 701 (e1*2002/24*0690*) |
| 0.10.2 | vse all | vse all |
| 0.10.3 | vse all | vse all |
| 0.10.4 | Enduro Supermoto | Enduro Supermoto |
| 0.10.5 | L3e-A2 | L3e |

ODDELEK II
SECTION II

1. Tehnična služba, pristojna za izvajanje preskusov:
Technical service responsible for carrying out the tests: TÜV SÜD Auto Service GmbH
Westendstraße 199
D-80686 München
Germany
2. Datum poročil o preskusu:
Date of test report(s): 19.12.2016
3. Številka poročil o preskusu:
Number of test report(s): 16-00125-CM-GBM-00
4. Opombe:
Remarks: glej Dodatek
see Addendum
- 4a. Homologacija je:
The approval is: **podeljena**
granted
- 4a.1. Homologacija se podeli na podlagi člena 40
Uredbe (EU) št. 168/2013, tako da je njena
veljavnost omejena do: ne pride v poštev
*The approval is granted in accordance with Article
40 of Regulation (EU) No 168/2013 and its
Validity is thus limited to:* *not applicable*
5. ~~Omejitve veljavnosti:~~
~~*Restrictions of validity:*~~ /
6. ~~Uporabljene opustitve:~~
~~*Waivers applied:*~~ /
- Kraj:
Place: 1000 LJUBLJANA
- Datum:
Date: 22.12.2016
- Ime in podpis:
Name and signature: mag. Tomaž Svetina, univ.dipl.inž.str.
vodja sektorja za vozila



Temu sporočilu je priložen seznam dokumentov, ki so deponirani pri homologacijskem organu, ki je odobril to homologacijo in jih je na zahtevo mogoče dobiti:

glej kazalo opisne dokumentacije št. e01081 Rev.00

The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request:

see index to information package No e01081 Rev.00

Dodatek k potrdilu o EU-homologaciji s številko EU-homologacije:
Addendum to the EU type-approval certificate with EU type-approval number:
e26*134/2014*2016/1824F*01081*00

1. **Omejitve uporabe samostojne tehnične enote: naprave za uravnavanje onesnaževanja:**
Restriction of use of the STU: pollution-control device:

glej prilogo 2 poročila o preskusu 16-00125-CM-GBM-00
see enclosure 2 of the test report 16-00125-CM-GBM-00

2. **Posebni pogoji za vgradnjo samostojne tehnične enote: naprave za uravnavanje onesnaževanja:**
Special conditions for the mounting of the STU: pollution-control device:

glej proizvajalčeva navodila za vgradnjo
see manufacturer's instruction manual

3. **Opombe:**
Remarks:

/

Ta homologacija se uporablja za tip serijsko izdelane nadomestne naprave za uravnavanje onesnaževanja za vozila kategorije L kot samostojne enote pod naslednjimi pogoji:

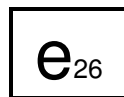
Posamezni proizvodi iz serijske proizvodnje morajo ustrezati najmanj vsem zahtevam Uredbe (EU) št. 168/2013 in Prilogam II, III, IV, V in VI (kjer pride v poštev) k Delegirani uredbi Komisije (EU) št. 134/2014, nazadnje spremenjene z Delegirano uredbo Komisije (EU) št. 2016/1824, "Zahteve za preskus tipa I: emisije iz izpušne cevi po hladnem zagonu", "Zahteve za preskus tipa II: emisije iz izpušne cevi (pri povišani vrtilni frekvenci) v prostem teku in pri prostem pospeševanju", "Zahteve za preskus tipa III: emisije plinov iz okrova ročične gredi", "Zahteve za preskus tipa IV: emisije zaradi izhlapevanja" in "Zahteve za preskus tipa V: vzdržljivost naprav za uravnavanje onesnaževanja".

Priloženo poročilo o preskusu in risbe so sestavni del te homologacije.

Vsaka nadomestna naprava za uravnavanje onesnaževanja za vozila kategorije L mora biti čitljivo in trajno označena z:

- znamko (tovarniškim imenom proizvajalca),
- tipom ali trgovskim imenom,
- homologacijsko oznako.

Temu tipu proizvoda se dodeli naslednja homologacijska oznaka:



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Homologacijska oznaka na proizvodu mora po izvedbi in velikosti ustrezati zahtevam Izvedbene uredbe Komisije (EU) št. 901/2014, nazadnje spremenjene z Izvedbeno uredbo Komisije (EU) št. 2016/1825.

S tem homologacijskim znakom so lahko označeni samo tisti proizvodi, ki v celoti ustrezajo homologacijski dokumentaciji.

Oznaka EU-homologacije samostojne tehnične enote ali sestavnega dela mora biti na samostojni tehnični enoti ali sestavnem dele nameščena tako, da je neizbrisna (npr. odtisnjena, jedkana, lasersko vgravirana, samouničljiva nalepka), jasno berljiva in vidna na mestu, kjer se namesti na vozilo, ne da bi bilo treba kateri koli del odstraniti z orodjem (če je mogoče).

Proizvod je lahko označen tudi s tujo homologacijsko ali drugo oznako, če s tem ni motena razpoznavnost in čitljivost homologacijske oznake, ki jo je dodelil slovenski homologacijski organ.

Na proizvodu ne sme biti oznak, ki bi lahko privedle do zamenjave z uradno dodeljeno oznako.

Kakršnekoli spremembe na proizvodu so dovoljene samo na podlagi posebnega dovoljenja homologacijskega organa.

Veljavnost homologacije preneha z vrnitvijo ali z odvzemom. Homologacija se odvzame, če pogoji za podelitev in obstoj homologacije ne obstajajo več, če lastnik homologacije krši obveznosti, povezane s homologacijo, oziroma če se ugotovi, da homologirani proizvod ne ustreza več veljavnim predpisom.

Proizvajalec je dolžan stalno kontrolirati kakovost homologiranega proizvoda in njegovo skladnost s homologacijsko dokumentacijo. O tej kontroli je dolžan voditi evidenco in omogočiti vpogled v zapise nadzornemu organu, ki ga določi homologacijski organ. V primeru ugotovitve neskladnosti s homologacijsko dokumentacijo je proizvajalec dolžan o tem takoj obvestiti homologacijski organ.

Homologacijski organ lahko kadarkoli preverja pravilno izvajanje pooblastil, dodeljenih s to homologacijo, in v ta namen tudi izbira vzorce za ponovni preskus. Stroške takšnih pregledov in presojo skladnosti proizvodnje, se zaračunajo proizvajalcu.

Vsako spremembo oznake proizvajalca, naslova ali proizvodne tovarne oziroma pri homologaciji imenovane pooblaščen osebe je treba takoj sporočiti homologacijskemu organu.

Pravice, podeljene s to homologacijo, so neprenosljive. Pravice tretjih s to homologacijo niso prizadete.

V primerih, da se proizvodnja ali prodaja proizvoda ne začne v roku enega leta od podelitve homologacije, da se proizvodnja ali prodaja prekine za več kot eno leto oziroma, da se predvideva taka prekinitve, je o tem treba takoj obvestiti homologacijski organ.

O začetku proizvodnje ali začetku prodaje oziroma njihovem ponovnem začetku je treba obvestiti homologacijski organ najkasneje v enem mesecu.

Neupoštevanje zgoraj navedenih določil lahko povzroči odvzem homologacije in se kazensko preganja.

Pravno razlago v zvezi s to homologacijo lahko daje samo homologacijski organ.

22.12.2016



mag. Tomaž Svetina, univ.dipl.inž.
vodja sektorja za vozila

This Approval shall apply to a replacement pollution-control device type for L-category vehicles as separate technical units from serial production under the following conditions:

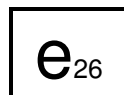
Individual products from serial production shall comply at least with all requirements set out in the Regulation (EU) No 168/2013 and Annex(es) II, III, IV, V and VI (where applicable) to Commission Delegated Regulation (EU) No 134/2014, as last amended by Commission Delegated Regulation (EU) No 2016/1824, "Test type I requirements: tailpipe emissions after cold start", "Test type II requirements: tailpipe emissions at (increased) idle and free acceleration", "Test type III requirements: emissions of crankcase gases", "Test type IV requirements: evaporative emissions" and "Test type V requirements: durability of pollution-control devices".

The attached test report and drawings shall be a constituent part of this Approval.

Each replacement pollution-control device type for L-category vehicles shall be marked with a readable and durable:

- *make (trade name of manufacturer),*
- *type or commercial name,*
- *approval marking.*

This type of product shall be allotted the following approval marking:



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The design and size of the approval marking shall meet the requirements of the Commission implementing Regulation (EU) No 901/2014, as last amended by Commission implementing Regulation (EU) No 2016/1825.

Only products which fully comply with the approval documentation may bear the allotted approval mark.

The EU separate technical unit or component type-approval mark shall be affixed to the separate technical unit or component in a way which is indelible (e.g. stamped, etched, laser-engraved, self-destructing adhesive label), clearly legible and visible in the place at which it is to be fitted to the vehicle without the need to remove any parts with the use of tools (where possible).

The product may also be marked with a foreign approval or other marking, provided that the identifiability and readability of the approval marking granted by the Slovenian Type Approval Authority is not affected.

The product shall not bear any markings that may lead to confusion with the officially allotted marking.

Changes of any kind performed on the product shall be subject to special permission by the Slovenian Type Approval Authority.

The Approval will become ineffective when returned or withdrawn. The Approval shall be withdrawn: should the conditions for its granting and existence no longer exist, should the owner of the Approval break his obligations related to the Approval, or when it has been established that the approved product no longer complies with the applicable regulations.

The manufacturer shall regularly inspect the quality of the approved product as well as its conformity with the approval documentation. He shall keep record of this inspection and allow to the surveillance body appointed by the Slovenian Type Approval Authority access to the records. Should any non-conformities be found with respect to the approval documentation, the manufacturer shall immediately inform thereof the Slovenian Type Approval Authority.

Any time, the Slovenian Type Approval Authority may check the correct implementation of the authorizations appointed through this Approval, and for this purpose also select samples for a repeated test. The costs of such checks and conformity of production assessments are charged to the manufacturer.

Any changes regarding the manufacturer's marking, the address or the production plant, or the authorized person appointed through this Approval, shall be forthwith notified to the Slovenian Type Approval Authority.

The rights granted through this Approval shall be untransferrable. The rights of third persons shall not be affected through this Approval.

In the case where the production or sale of the product does not start within one year after the granting of the Approval, or the production or sale is interrupted for a period longer than one year, or such interruption is foreseen, the Slovenian Type Approval Authority shall be immediately notified.

The Slovenian Type Approval Authority shall be notified of the start of production or start of sale, or its restart, within a month's time at the latest.

Non-compliance with above stated provisions may result in withdrawal of the Approval and will be prosecuted.

Legal explanations in relation with this Approval may only be given by the Slovenian Type Approval Authority.

22.12.2016



Tomaz Svetina, M.Sc.Eng.
Head of Vehicle department



KAZALO OPISNE DOKUMENTACIJE e01081
INDEX TO THE INFORMATION PACKAGE e01081
 Revision: 00

Homologacijska številka: **e26*134/2014*2016/1824F*01081*00**
Approval number:

Datum izdaje: **22.12.2016**
Date of issue:

Datum razširitve homologacije: /
Date of extension of approval:

Datum zadnje spremembe: /
Date of latest amendment:

Razlog za razširitev/revizijo: /
Reason for extension/revision:

Poročilo o preskusu: **16-00125-CM-GBM-00**
Test report:

Število strani: **15**
Number of pages:

datum izdaje: **19.12.2016**
date of issue:

datum zadnje spremembe: /
date of latest amendment:

Opisni list/Tehnični opis naprave: **P-KAT-060**
Information document/Technical description of the device:

Število strani: **2**
Number of pages:

datum izdaje: **19.12.2016**
date of issue:

datum zadnje spremembe: /
date of latest amendment:

Risba(e)¹:
Drawing(s)¹:

Število strani: **3**
Number of pages:

datum zadnje spremembe: /
date of latest amendment:

Navodila za vgradnjo in uporabo:
Mounting and handling instructions:

Število strani: **12**
Number of pages:

datum zadnje spremembe: /
date of latest amendment:

Ostala dokumentacija:
Other documentation:

Število strani: **1**
Number of pages:

Skupno število strani: 33
Total number of pages:

¹ kosovnice, slike, sheme in diagrami / ¹ bill of materials, pictures, schematics and diagrams



Akrapovič, d.d.
Malo Hudo 8A
1295 Ivančna Gorica

**SLOVENIAN TRAFFIC SAFETY AGENCY,
KOTNIKOVA ULICA 19a,
1000 LJUBLJANA,
SLOVENIA**

We, Akrapovič d.d., Malo Hudo 8a. 1295 Ivančna Gorica, Slovenia hereby asks STSA to grant approval against **134/2014*134/2014 EC (F)** for the following product:
Exhaust system for Motorcycles – catalytic converter:

Type: **P-KAT-060**

Version:

Manufacturer: **Akrapovič d.d.
Malo Hudo 8a
1295 Ivančna Gorica
Slovenia**

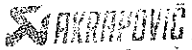
We declare that we have not applied to any other Approval Authority in the EU Member States for this approval.

We have requested **TÜV SÜD Auto Service GmbH**, to carry out all testing required by the directive and/or regulation that the approval is sought against and to present the entire documentation for the approval.

Yours sincerely,


Akrapovič d.d.
Uroš Rosa, CEO

Date: 26.09.2016

 d.d.
Malo Hudo 8a, 1295 Ivančna Gorica,
Slovenija



Techn.Bericht Nr. / *Techn. Report No.*: 16-00125-CM-GBM-00
Hersteller / *Manufacturer*: Akrapovic d.d., 1295 Ivančna Gorica, Slovenija

Typ / *Type*: P-KAT-060

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PRÜFBERICHT TEST REPORT

Nr. / No. 16-00125-CM-GBM-00

über die Prüfung zur Typgenehmigung einer emissionsmindernden Einrichtung
als selbstständige technische Einheit für Krafträder.

*about type-approval tests of a replacement pollution-control device for L-category vehicles as
a separate technical unit*

| | | |
|--|----------------|-------------------------------|
| Verordnung / <i>Regulation</i> | (EU) 134/2014 | vom / <i>dated</i> 16.12.2013 |
| zuletzt geändert / <i>last amended</i> | (EU) 2016/1824 | vom / <i>dated</i> 14.07.2016 |
| Kodierung / <i>Codification</i> | F | |

zur Ergänzung der Verordnung (EU) Nr. 168/2013 des Europäischen Parlaments und des Rates.
supplementing Regulation (EU) 168/2013 of the European Parliament and the Council.

| Genehmigungsstand / Approval status | | |
|--|---|---|
| <input checked="" type="checkbox"/> | Erteilung einer Typgenehmigung <i>Granting of a type approval</i> | e26*134/2014*2016/1824F*01081*00 |
| <input type="checkbox"/> | Nachtrag/Änderung zur Typgenehmigung Nr. <i>Extension/correction to type approval no.</i> | |

Gründe der Erweiterung / *Reasons for extension*

Es wird geändert: -

It will be changed: -

Es wird aktualisiert: -

It will be updated: -

Techn.Bericht Nr. / *Techn. Report No.*: 16-00125-CM-GBM-00
 Hersteller / *Manufacturer*: Akrapovic d.d., 1295 Ivancna Gorica, Slovenija

Typ / *Type*: P-KAT-060

Seite / *Page* 2/7

0. Allgemeine Angaben / General information

0.1. Fabrikmarke / *Make*: AKRAPOVIC *Exhaust System Technology*

0.2. Typ / *Type*: P-KAT-060

0.2.1. Ausführungen / *Variants*
 Außenmantel und Matrix /
Sleeve and matrix: Edelmetall /
Stainless steel

0.3. Name und Anschrift des Herstellers /
Name and address of manufacturer: Akrapovic d.d.
 Malo Hudo 8a
 1295 Ivancna Gorica
 Slovenija

0.4. Name und Anschrift des Beauftragten /
Name and address of authorized agent: entfällt / *n.a.*

0.5. Nr. des Beschreibungsbogens /
No. of information document: P-KAT-060
 Ausgabedatum / *Date*: 19.12.2016

1.0. Klasse der Fahrzeuge, für die die
 Anlage bestimmt ist / *Class of the*
vehicles the unit is used for: L3e

1.1. Beschreibung der Fahrzeuge, für
 die die Einrichtung bestimmt ist /
Description of the vehicles
the unit is used for: siehe Anlage 2 / *notice enclosure 2*

2. Angaben zum Prüfobjekt / Composition of the separate technical unit

2.1. Art der Technischen Einheit:
Kind of technical unit: siehe Beschreibungsbogen /
see Information Document

2.2. Ort der Kennzeichnung/
Place of marking: Lasergravur auf Außenmantel /
Engraved by laser on sleeve

2.3. Zusammenbau Anlage bei der Prüfung/
assembly of the exhaust system for testing
 (Teile lfd. Nr. lt. Anl. 1 /
no. of parts, enclosure 1): siehe 3.4 / *notice 3.4*

2.4. Lage und Richtung der Auspuffmündung:
Position and direction of the tail pipe: siehe Austauschschalldämpfer Genehmigung
see non original exhaust system certification

2.5. Prüfmuster eingegangen am:
Test samples submitted for testing at: 20.07.2016



Techn.Bericht Nr. / *Techn. Report No.*: 16-00125-CM-GBM-00
Hersteller / *Manufacturer*: Akrapovic d.d., 1295 Ivancna Gorica, Slovenija

Typ / *Type*: P-KAT-060

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3. **Prüfprotokoll / Test report**

Versuchsreihe A / *Tests series A*

3.1. **Fahrzeug lfd. Nr. 1) / Vehicle no. 1)**

- 3.1.1. Typ / *Type*: Husqvarna 701
 3.1.1.1 Variante / *Version / Variant / Version*: B / -
 3.1.1.2 Fahrzeugkategorie / *Category*: L3e-A3
 3.1.1.3 Handelsbezeichnung / *Model*: Husqvarna 701 Enduro
 3.1.2. Hersteller / *Manufacturer*: KTM AG
 3.1.3. Genehmigungs-Nr. / *Homologation no.*: e1*168/2013*00032*
 3.1.3.1 Nachtrag bzw. Erweiterung / *Extension*: 00
 3.1.4. Fahrzeugidentifizierungsnummer / *Vehicle identification no.*: VBKP37012HM781677
 3.1.5. Baujahr / *Year of manufacture*: 2016
 3.1.6. km-Stand / *Kilometers*: 435
 3.1.7. Zul. Gesamtgewicht / *total weight*: 350 kg

3.2. **Antriebsmaschine / Engine**

- 3.2.1. Hersteller / *Manufacturer*: KTM
 3.2.2. Typ / *Type*: 766
 3.2.3. Hubraum / *Engine capacity*: 693 cm³
 3.2.4. Höchstleistung / *engine net power*: 55 kW bei / *at* 8000 min⁻¹
 3.2.5. max. Drehmoment / *net torque*: 71 Nm bei / *at* 6750 min⁻¹

3.3. **Kraftübertragung / Transmission**

- 3.3.1. Art der Kraftübertragung / *Kind of transmission*: mechanisch / *mechanical*
 3.3.4. Getriebe / *Gearbox*: manuel / *manual*
 3.3.5. Übersetzungsverhältnisse / *Transmission ratios*:
 primär / *primary* / sekundär / *secondary* 2,194 / 3,070
 Höchstgeschwindigkeit / *Top speed*: 170 km/h
 Reifen / *Tires*:
 vorne / *front* Continental TKC 80 Twinduro
 hinten / *rear* 90/90-21
 140/80-18

3.4. **Zusammenbau der Auspuffanlage / Assembly of the exhaust system**

- (Teile lfd. Nr. lt. Anl. 1 / *no. of parts, enclosure 1*)
 Versuchsreihe A / *Tests series A*: 1)2)3)4)

Techn.Bericht Nr. / *Techn. Report No.:* 16-00125-CM-GBM-00
 Hersteller / *Manufacturer:* Akrapovic d.d., 1295 Ivancna Gorica, Slovenija

Typ / *Type:* P-KAT-060

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3.5. Messung der Geräuschwerte / *Acoustic measurements*

- 3.5.1. Hersteller des Messgerätes /
Manufacturer of the sound level meter: GRASS
- 3.5.2. Typ des Messgerätes /
Type of the sound level meter: F-2003; F-2004; F-2018
- 3.5.3. Fahrgeräusch, Standgeräusch /
Drive by noise, stationary noise:
 nach ECE-R 41.04 /
according ECE-R 41.04
- 3.5.4. Beladungszustand bei der Fahrgeräuschmessung /
Load condition during drive by test: Leergewicht zuzüglich 75kg Fahrer /
Unloaded weight plus 75kg driver
- 3.5.5. Abweichung bei Kalibrierung /
Deviation at calibration: < 0.2 dB(A)

3.6. Messung der Leistung / *Power measurement*

- 3.6.1. Messung der Leistungskurve mit Nicht-Originalauspuffanlage /
Testing of max. power with non-original exhaust system:

Die gemessene Nennleistung und die zugehörige Drehzahl liegen im Toleranzbereich von 5% im Vergleich zu den mit der Originalauspuffanlage gemessenen Werten.
 (siehe Anlage) /

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. Messung der Höchstgeschwindigkeit mit Nicht-Originalauspuffanlage/
Testing of top speed with non-original exhaust system:

Entfällt, da Fahrzeugklasse: Kraftrad L3e
Not applicable, because vehicle class: Motorcycle L3e

3.7. Konditionierung der Auspuffschalldämpferanlage / *Conditioning*

durch Druckschwingungen / *by pulsation*

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3.8. Messung der Schadstoffemissionen / *Pollution Test*

Messung des Abgasverhaltens mit Austauschkatalysator in Verbindung mit Nicht-Originalauspuffanlage gegen die in (EU)168/2013 Anh. VI genannten Grenzwerte bezogen auf die Fahrzeugklasse des Prüffahrzeugs.

Testing of pollution with aftermarket catalytic converter in combination with non-original exhaust system against the limits mentioned in (EU)168/2013 Annex VI regarding the vehicle category of the test bike.

3.9. Ergebnisse / *Test results*

Die Ergebnisse der Prüfungen hinsichtlich / *The results of*

3.9.1. Geräusche / *Noise testing*

3.9.2. Leistung / *Power measurement*

3.9.3. Höchstgeschwindigkeit / *Top speed*

3.9.4. Abgasverhalten / *Pollution test*

sind der als Anlage beigefügten Tabellen zu entnehmen /
are attached in the enclosure.

Aufgrund der Messung mit dem/n o.g. Fahrzeug/en können auch die in Anlage 2 aufgeführten Kraffräder die die gleiche Serien- Auspuffanlage besitzen und gleiche bzw. geringere Motorleistung haben, mit in den Verwendungsbereich aufgenommen werden/

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. Die beschriebene Nicht-Originalauspuffanlage / Technische Einheit darf an den in der Anlage 2 aufgeführten Kraffahrzeugen unter den dort genannten Bedingungen verwendet werden. /

The described non-original exhaust system / technical unit is suitable for an application at the vehicles listed in enclosure 2.

3.9.6. Die allgemeinen Spezifikationen gemäß (EU)134/2014; Anhang II; Anlage 10; Abschnitt 4.1. werden durch die Technische Einheit erfüllt. /

The general specifications regarding (EU)134/2014; Annex II; Appendix 10; Clause 4.1. are fulfilled by the technical unit.

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4. **Anlagen / Enclosures**

Anlage 1, Teile der Nicht-Originalauspuffanlage
Enclosure 1, Composition of the non original exhaust system
 Anlage 2, Verwendungsbereich
Enclosure 2, Field of application
 Anlage 3, Ergebnis der Prüfungen
Enclosure 3, Test results
 Anlage 4, Ergebnis der Prüfungen hinsichtlich Abgasverhalten
Enclosure 4, Test results according pollution
 Anlage, Leistungskurve
Enclosure, Performance diagram
 Anlage, Protokoll Geräuschmessung
Enclosure, protocol noise test
 Beschreibungsbogen
Information Document

5. **Schlussbescheinigung / Summary**

Der angegebene Beschreibungsbogen und der darin beschriebene Typ entsprechen der genannten Prüfgrundlage.
 Der ungünstigste Fall wurde entsprechend Prozessbeschreibung „Erstellung von Gutachten“ bestimmt.
 Der Prüfbericht darf nur vom Auftraggeber und nur in vollem Wortlaut vervielfältigt und weitergegeben werden. Eine auszugsweise Vervielfältigung und Veröffentlichung des Prüfberichtes ist nur nach schriftlicher Genehmigung des Prüflaboratoriums zulässig

The information folder 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.

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| Genehmigungsbehörde / Approval authority | Land / Country | Registriernummer / Registration-number | Aktueller Benennungsumfang / Actual scope list |
|---|--|---|---|
| Kraftfahrt-Bundesamt (KBA) | Deutschland/ <i>Germany</i> | KBA-P 00100-10 | www.kba.de |
| Vehicle Certification Agency (VCA) | Vereintes Königreich/ <i>United Kingdom</i> | 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/ <i>The Netherlands</i> | RDWT-082-01 | |
| National Standards Authority of Ireland (NSAI) | Irland/ <i>Ireland</i> | Technical Service Number: 49 | |
| Vehicle Safety Certification Center (VSCC) | Taiwan/ <i>Taiwan</i> | DE04-06-2 | http://www.vsc.org.tw/English/Default.aspx |

München, 19.12.2016



Dipl.-Ing. (FH) Max Höhler
 Prüfenieur / *The Expert*

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ANLAGE 1
ENCLOSURE 1

zum Prüfbericht Nr. / to test report no.
Typ / Type:
Hersteller / Manufacturer:

16-00125-CM-GBM-00
P-KAT-060
Akrapovic d.d.,
1295 Ivančna Gorica, Slovenija

Teile der Nicht-Originalauspuffanlage + Originalteile/
Composition of the original exhaust system + original parts

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| Lfd. Nr. / No. | Einzelteile, Abmessungen in mm / <i>Components parts, dimensions in mm</i> | Abmessungen des Teiles in mm bzw. Originalteil / Ersatzteil / <i>Dimensions of the part in mm or original part / replacement part</i> | Teilenummer bzw. Genehmigungsnummer / <i>Part no. or homologation no.</i> |
|-------------------|--|---|---|
| 1) | Krümmerröhr / <i>header pipe</i> | Originalteile / <i>original parts</i> | - |
| 2) | Verbindungsrohr / <i>link pipe</i> | - | L-HU7SO1 |
| 3) | Katalysator / <i>catalytic converter</i> | Ø72 x 100 | P-KAT-060 e26*01081*F |
| 4) | Schalldämpfer / <i>silencer</i> (2 x Austrittsrohr / 2 x <i>outlet pipe</i> Ø 25) | konisch hexagonal / <i>conical hexagonal</i> 133 x 172,1 Länge ohne Endkappen / <i>length without end caps</i> 400 | M-HZAA013 e26*08067*G E26 92R 01 8067 |



ANLAGE 2
ENCLOSURE 2

zum Prüfbericht Nr. / *to test report no.*
Typ / *Type:*
Hersteller / *Manufacturer:*

16-00125-CM-GBM-00
P-KAT-060
Akrapovic d.d.,
1295 Ivančna Gorica, Slovenija

Verwendungsbereich (Fahrzeugdaten) / *Field of application*

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| Lfd. Nr. | Hersteller | Fabrikmarke | Handelsbezeichnung | Fahrzeugtyp ab Genehmigung Nr. | Var. Vers. | Motortyp 4 Takt | Hubraum in cm ³ | Nennleistung kW/min ⁻¹ | Sonstige bestimmende Merkmale | Anordnung entspr. Anl. 1 lfd. Nr. |
|-----------------------|---------------------|-------------------|-------------------------------|--|-------------------|-----------------------------|--|--|-------------------------------|---|
| <i>No. of vehicle</i> | <i>Manufacturer</i> | <i>Trade mark</i> | <i>Commercial description</i> | <i>Vehicle type beginning with no. of homologation</i> | <i>Var. Vers.</i> | <i>Engine type 4 Stroke</i> | <i>Engine capacity in cm³</i> | <i>max. engine power kW/min⁻¹</i> | <i>Additional remarks</i> | <i>Composition reg. enclosure no. 1</i> |
| 1) | KTM AG | Husqvarna | Enduro | Husqvarna 701 | alle all | 766 | 693 | 55/8000 | mit Kat.*) / with cat. | 1)2)3)4) |
| 2) | | | Supermoto | e1*168/2013*00032* | | 766 | 693 | 31/5500 | | |
| 3) | | | Enduro | Husqvarna 701 | | 760 | 690 | 24/7000 | | |
| 4) | | | Supermoto | e1*168/2013*00034* | | | | 30/7000 | | |
| 5) | | | Enduro | Husqvarna 701 | | | | 49/7000 | | |
| 6) | | | | e1*2002/24*0690* | | 760 | 690 | 24/7000 | | |
| 7) | | | | | | | | 30/7000 | | |
| 8) | | | Supermoto | | | | | 49/7000 | | |
| 9) | | | | | | | | | | |
| 10) | | | | | | | | | | |

*) Der serienmäßige Katalysator wird durch einen Austauschkatalysator ersetzt.
The original catalytic converter is replaced by an aftermarket-catalyst.

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ANLAGE 3
ENCLOSURE 3

zum Prüfbericht Nr. / to test report no.
Typ / Type:
Hersteller / Manufacturer:

16-00125-CM-GBM-00
P-KAT-060
Akrapovic d.d.,
1295 Ivančna Gorica, Slovenija

Ergebnis der Prüfungen / Test results

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| Lfd.Nr. | Leistung Serie kW/min ⁻¹ | Leistung Austausch kW/min ⁻¹ | Vmax Serie km/h | Vmax Aus- tausch km/h | Fahrgeräusche in dB(A) / Sound levels driving vehicle in dB(A) | | | | | Standgeräusche in dB(A) / Sound levels stationary vehicle in dB(A) | | | |
|-------------------------------|--|--|-----------------------------------|--|---|---|--|--|--------------------|---|------------------------------------|--------------------------------------|--------------------------------|
| | | | | | gemes- sen in Gang | Grenz- wert **) | Serie gemes- sen | Austausch gemessen | bei km/h | lt. Fzg. BE | Serie gemes- sen / | Austausch gemessen | bei min ⁻¹ |
| <i>No. of vehicle</i> | <i>Engine power original kW/min⁻¹</i> | <i>Engine power non original kW/min⁻¹</i> | <i>Vmax original km/h</i> | <i>Vmax non original km /h</i> | <i>measured in gear ratio</i> | <i>Limit Value **) SL_{EU4}</i> | <i>Original mea- sured L_{urban}</i> | <i>Non original measured L_{urban}</i> | <i>at km/h</i> | <i>Vehicle type hom.</i> | <i>Original mea- sured</i> | <i>Non original measured</i> | <i>at min⁻¹</i> |
| 1) A* | 55/8000 | 55/8000 | - | - | 3 | 77 | 78 | 77 | 50 | 90 | 90 | 90 | 4000 |

*) Versuchsreihe / Test series

**) Grenzwert der Richtlinienfassung, die bei Erteilung der Fahrzeuggenehmigung Gültigkeit hatte /
Limit value of directive which was valid by vehicle type homologation

ANLAGE 4 zum Prüfbericht Nr. / *to test report no.* **16-00125-CM-GBM-00**
ENCLOSURE 4 **Typ / Type:** **P-KAT-060**
Hersteller / Manufacturer: **Akrapovic d.d.,**
1295 Ivančna Gorica,
Slovenija

Ergebnis der Prüfungen hinsichtlich Abgasverhalten /
Test results according pollution

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Versuchsreihe / Series A: (Fahrzeug lfd. Nr. / Vehicle no. 1)

Messung gemäß / *Tests regarding:*
entsprechend Typ / *according to Type*

134/2014 Anh. / *Annex II; III; VI*
I; II; V

Typ / Type I

| | | | | |
|--|-----------------------------------|---------------|----------------|----------------------------|
| Äquivalente Schwungmasse / <i>Equivalent flywheel mass</i> | | 230 kg | | |
| WMTC Phase 2 WMTC Stage 2 | Kategorie 3-2 <i>Class 3-2</i> | CO [mg/km] | THC [mg/km] | NO _x [mg/km] |
| Test 1 | R ₁ | 567 | 105 | 40 |
| Test 2 | R ₂ | 582 | 103 | 42 |
| Test 3 | R ₃ | - | - | - |
| Mittelwert / <i>Average</i> | | 575 | 104 | 41 |
| Grenzwerte / <i>Limits</i> 168/2013 Annex VI (A1) Euro 4 (v _{max} ≥ 130 km/h) | | 1140 | 170 | 90 |

Typ / Type II

| | | | |
|---|---------------|--|--|
| Betriebsbedingung / <i>Running condition</i> | CO [Vol %] | Motordrehzahl / <i>Engine rpm</i> [min ⁻¹] | Motoröltemperatur / <i>Engine oil temperature</i> [°C] |
| Normale Leerlaufdrehzahl / <i>Nominal idle speed</i> | 0,01 | 1770 | 90° C |
| Hohe Leerlaufdrehzahl / <i>Exceeded idle speed</i> | 0,01 | 2500 | 90° C |

Typ / Type V

Mathematisches Dauerhaltbarkeitsverfahren / *Mathematical durability procedure*

| | | | |
|--|------------|------------|-----------|
| Verschlechterungsfaktor / <i>Deterioration Factor (DF)</i> | 1,3 | 1,2 | 1,2 |
| Test 1 R ₁ x DF | 737 | 126 | 48 |
| Test 2 R ₂ x DF | 757 | 124 | 50 |
| Test 3 R ₃ x DF | - | - | - |
| Mittelwert / <i>Average</i> | 747 | 125 | 49 |
| Grenzwerte / <i>Limits</i> 168/2013 Annex VI (A1) Euro 4 (v _{max} ≥ 130 km/h) | 1140 | 170 | 90 |



**Uniform provisions concerning the approval of vehicles of category L₃,
with regard to noise according to ECE-R 41.04, Annex 3**

0. Customer

Company: Akrapovic
 Address: Malo Hudo 8a
 ZIP-Code/City/Country: 1295 Ivancna Gorica, Slovenia

1. Vehicle

Manufacturer: HUSQVARNA
 Model/Trade name: Husqvarna 701 Enduro
 Type: HUSQVARNA 701
 Version: B
 Vehicle Class: L3e
 Vehicle Ident. No.: VBKP37012HM781677
 Year of manufacture: without
 Type App. No./EG/ECE: Prototype
 Maximum vehicle speed: 170 [km/h]
 Milage: 435 [km]
 Type approval stationairy: 90,0 [dB(A)]
 Type approval L_{urban}: 77,0 [dB(A)]

2. Engine

Manufacturer: KTM
 Type: 7-766*29955*
 Working principle: Positve Ignition
 Stroke numbers: 4-Stroke
 max. Power P_n: 55 [kW]
 Engine speed S: 8000 [rpm]
 Idle Engine speed: 1650 [rpm]
 Cylinder numbers: 1
 Cylinder capacity: 693 [cm³]
 Engine position: Fornt

3. Transmission

Type: Manuel
 Ident. No.: n.a.
 Numbers of axles: 2
 Numbers of wheels: 2
 Powerd axles: Axle 2
 Number of gears: 6
 Gear mode: locked
 Ratio Prim:Sek: 15 / 46
 Driving mode: n.a.



4. Tyres

| | front | rear |
|--------------------|-----------------|-----------------|
| Manufacturer: | Continental | Continental |
| Type: | TKC 80 Twinduro | TKC 80 Twinduro |
| Dimension: | 90/90-21 | 140/80-18 |
| Infalton pressure: | 1,8 | 1,8 |

5. Exhaustsystem

| | No. | Manufacturer | Marking left | Marking right |
|---------------|-----|--------------|--------------|---------------|
| Pre Catalyst: | | | | |
| Catalyst: | | | | |
| Front sil.: | | | | |
| Middle sil.: | | | | |
| Rear sil.: | 1 | Akrapovic | ZAA-shape | |
| Tail pipe: | 2 | Akrapovic | D=25mm | |



**Uniform provisions concerning the approval of vehicles of category L3,
with regard to noise according to ECE-R 41.04, Annex 3**

6.0 Measurements and Calculation of the moving vehicle

6.1 Results pass by noise

| Gear | Run | Mode | acc. point ⁽²⁾ [m] | A-A' | | P-P' | | B-B' | | a _{wot test} [m/s ²] | a _{wot aver} [m/s ²] | Sound level L ⁽³⁾ | | L _{mode aver} | | L _{mode max} [dB(A)] | L _{wot} ⁽⁴⁾ [dB(A)] | L _{crs} ⁽⁴⁾ [dB(A)] | L _{urban} [dB(A)] |
|------|-----|--------------------|----------------------------------|-------------|------------|-------------|------------|-------------|------------|--|--|------------------------------|------------------|------------------------|---------------|----------------------------------|--|--|-------------------------------|
| | | | | v [km/h] | n [rpm] | v [km/h] | n [rpm] | v [km/h] | n [rpm] | | | left [dB(A)] | right [dB(A)] | li [dB(A)] | re [dB(A)] | | | | |
| 3 | 1 | wot ₍₃₎ | 0,0 | 39,8 | 2885 | 49,8 | 3611 | 59,4 | 4313 | 3,36 | 3,42 | 80,9 | 79,7 | 80,8 | 79,5 | 80,8 | 80,8 | 71,9 | 76,7 |
| 3 | 2 | | | 39,6 | 2870 | 49,9 | 3616 | 59,8 | 4335 | 3,47 | | 80,7 | 79,4 | | | | | | |
| 3 | 3 | | | 39,8 | 2889 | 50,1 | 3630 | 59,8 | 4337 | 3,44 | | 80,8 | 79,4 | | | | | | |
| 3 | 4 | crs ₍₃₎ | | 50,2 | 3648 | 50,1 | 3643 | 50,3 | 3661 | | | 71,9 | 71,7 | 71,9 | 71,1 | 71,9 | 80,8 | 71,9 | 76,7 |
| 3 | 5 | | | 50,3 | 3656 | 50,5 | 3672 | 50,8 | 3691 | | | 71,8 | 71,3 | | | | | | |
| 3 | 6 | | | 49,7 | 3617 | 49,7 | 3614 | 49,6 | 3606 | | | 72,1 | 70,4 | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

2) Acceleration point according Line A-A'; 3) measurement values are given with the 1 dB(A) deduction; 4) Intermediate Results

6.2 Weights and Dimensions

| | | |
|---------------------------------------|-------|------|
| max. perm. Weight: | 350 | [kg] |
| Kerb mass vehicle m _{kerb} : | 156 | [kg] |
| Testweight incl. rider: | 231 | [kg] |
| Reference length l _{ref} : | 2320 | [mm] |
| Power-to-Mass Ratio PMR: | 238,1 | |

6.3 Constants/Factors

| | | |
|--|-------|---------------------|
| Reference acceleration a _{wot ref} : | 3,75 | [m/s ²] |
| lower limit Target acceleration a _{wot ref min} : | 3,38 | [m/s ²] |
| upper limit Target acceleration a _{wot ref max} : | 4,13 | [m/s ²] |
| Target acceleration a _{urban} : | 1,85 | [m/s ²] |
| Gear selected (i): | 3 | |
| Gear selected (i+1): | - | |
| Gear weighting factor k: | - | |
| Partial power factor k _p : | 0,460 | |



6.4 Vehicle speeds of measurements⁽⁵⁾

| | | |
|--------------------------|------|--------|
| gear (i): | | |
| Pre-acceleration length: | 0,0 | [m] |
| V _{PP} : | 49,9 | [km/h] |
| V _{BB} : | 59,7 | [km/h] |
| gear (i+1): | | |
| Pre-acceleration length: | - | [m] |
| V _{PP} : | - | [km/h] |
| V _{BB} : | - | [km/h] |

5) speed average of 3 runs



**Uniform provisions concerning the approval of vehicles of category L3,
with regard to noise according to ECE-R 41.04, Annex 3**

7. Results stationary noise level

| | Sound level L | | Engine speed [rpm] |
|--------|---------------|--------------|-----------------------|
| | left | right | |
| | [dB(A)] | [dB(A)] | |
| 1. Run | 89,7 | | 4000 |
| 2. Run | 89,4 | | |
| 3. Run | 89,5 | | |
| | 90,0 | dB(A) | |

8. Measurement conditions

| | | |
|----------------------|--------|--------|
| Air temperature: | 31,6 | [°C] |
| Surface temperature: | 51,3 | [°C] |
| Wind speed: | 1,2 | [m/s] |
| Wind direction: | 159,0 | [°] |
| Air humidity | 32,9 | [%] |
| Air pressure: | 1016,7 | [mbar] |

9. General Requirements

| | | |
|-----------------------------|-------|---------|
| Ambient noise level | | |
| before Meas.: | 47,9 | [dB(A)] |
| after Meas.: | 49,3 | [dB(A)] |
| Calibration level (Target): | 94,30 | [dB(A)] |
| Calibration level Mikro 1: | 94,30 | [dB(A)] |
| Calibration level Mikro 2: | 94,29 | [dB(A)] |

10. Summary Test Results**10.1 Noise levels of stationary vehicle**

L: **90,0** [dB(A)]

10.2 Noise levels of moving vehicle

Intermediate result

$L_{wot\ rep}$: 80,8 [dB(A)]

$L_{crs\ rep}$: 71,9 [dB(A)]

Final Result

L_{urban} : **76,7** [dB(A)]

Limit

82,0 [dB(A)]

77,0 [dB(A)]

11. General

| | |
|----------------------|---|
| Expert: | Wibmer Ch. |
| Test driver: | Engel Markus |
| Test track: | Strecke "OST" |
| Test date: | 20.07.2016 |
| FAKT-motion P-Nr.: | M15-0019 |
| Technical institute: | FAKT-motion GmbH, Junkersstr. 1, 87734 Benningen |
| Data file: | M15-0019_ZAA-shape_insert D 25mm_Husqvarna_701 Enduro_55KW.xlsx |
| Remarks: | Insert D=2 x a 25 mm |
| | |
| | |
| | |
| | |



Benningen, 13.10.2016
Place, Date of issue

Signature Expert

Information Document P-KAT-060

relating to EU type-approval of a pollution-control device as a STU and

TÜV SÜD Auto Service Technical Report: 16-00125-CM-GBM-00



| Item No. | (Sub) categories | Detailed information |
|----------|------------------------------|---|
| B. | | General information concerning systems, components or separate technical units |
| 0.7. | L1e — L7e | Make(s) (trade name(s) of manufacturer): AKRAPOVIC Exhaust System Technology |
| 0.8. | L1e — L7e | Type: P-KAT-060 |
| 0.8.1. | L1e — L7e | Commercial name(s) (if available): n.a. |
| 0.8.2. | L1e — L7e | Type-approval number(s) (if available): e26*134/2014*2016/1824F*01081*00 |
| 0.8.3. | L1e — L7e | Type-approval(s) issued on (date, if available): n.a. |
| 0.9. | L1e — L7e | Company name and address of manufacturer: Akrapovic d.d. Malo Hudo 8a 1295 Ivancna Gorica Slovenija |
| 0.9.1. | L1e — L7e | Name(s) and address(es) of assembly plants: n.a. |
| 0.9.2. | L1e — L7e | Name and address of manufacturer's authorised representative, if any: n.a. |
| 0.10. | | Vehicle(s) for which the system/separate technical unit is intended for: |
| 0.10.1. | L1e — L7e | Type: see Technical Report |
| 0.10.2. | L1e — L7e | Variant: see Technical Report |
| 0.10.3. | L1e — L7e | Version: see Technical Report |
| 0.10.4. | L1e — L7e | Commercial name(s) (if available): see Technical Report |
| 0.10.5. | L1e — L7e | Category, subcategory and sub-subcategory of vehicle : see Technical Report |
| C. | | General information concerning vehicle, systems, components or separate technical units |
| 0.12. | | Conformity of production |
| 0.12.1. | L1e — L7e | Controlled by ISO 9001:2008 Quality Management System certified by TÜV SÜD Management Service GmbH Registration no.: 12 100 31148 TMS |
| 1. | | GENERAL CONSTRUCTION CHARACTERISTICS |
| 1.8. | | Propulsion unit performance |
| 1.8.1. | L3e, L4e, L5e, L7e-A, L7e-B2 | Declared maximum vehicle speed: km/h see Technical Report |
| 1.8.2. | L1e, L2e, L6e, L7e-B1, L7e-C | Maximum design vehicle speed : and gear in which it is reached: n.a. |
| 1.8.3. | L1e — L7e | Maximum net power combustion engine: . kW at . min ⁻¹ at A/F ratio: see Technical Report |
| 1.8.4. | L1e — L7e | Maximum net torque combustion engine: . Nm at . min ⁻¹ at A/F ratio: see Technical Report |
| 1.8.5. | L1e — L7e | Maximum continuous-rated power electric motor (15/30 minutes power): n.a. |
| 1.8.6. | L1e — L7e | Maximum continuous-rated torque electric motor: Nm at min ⁻¹ n.a. |
| 1.8.7. | L1e — L7e | Maximum continuous total power for propulsion(s): kW. at ... min ⁻¹ at A/F ratio: n.a. |
| 1.8.8. | L1e — L7e | Maximum continuous total torque for propulsion(s): Nm at min ⁻¹ at A/F ratio: n.a. |
| 1.8.9. | L1e — L7e | Maximum peak power for propulsion(s): kW at min ⁻¹ at A/F ratio: n.a. |
| 4. | | GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE |
| 4.0 | | General information on environmental and propulsion performance |
| 4.0.1. | L1e — L7e | Environmental step : Euro 3/4 |
| 4.0.2. | L1e — L7e | Fuel consumption: see WVTA |
| 4.0.3. | L1e — L7e | CO ₂ emissions: see WVTA |
| 4.0.4. | L1e — L7e | Energy consumption: n.a. |
| 4.0.5. | L1e — L7e | Electric range: n.a. |
| 4.1. | | Tailpipe emission-control system |
| 4.1.1. | L1e — L7e | Brief description and schematic drawing of the tailpipe emission-control system and its control: see assembly drawing, attached |
| 4.1.2. | | Catalytic converter |
| 4.1.2.1. | L1e — L7e | Configuration, number of catalytic converters and elements (information to be provided for each separate unit): see technical drawing, attached |
| 4.1.2.2. | L1e — L7e | Drawing with dimensions, shape and volume of the catalytic converter(s): attached |
| 4.1.2.3. | L1e — L7e | Catalytic reaction: three way catalytic converter |

Information Document P-KAT-060**relating to EU type-approval of a pollution-control device as a STU and****TÜV SÜD Auto Service Technical Report: 16-00125-CM-GBM-00**

| | | | |
|-------------|-----------|--|---------------------------------|
| 4.1.2.4. | L1e — L7e | Total charge of precious metals: | see technical drawing, attached |
| 4.1.2.5. | L1e — L7e | Relative concentration: | see technical drawing, attached |
| 4.1.2.6. | L1e — L7e | Substrate (structure and material): | see technical drawing, attached |
| 4.1.2.7. | L1e — L7e | Cell density: | see technical drawing, attached |
| 4.1.2.8. | L1e — L7e | Casing for the catalytic converter(s): | see technical drawing, attached |
| 4.1.2.9. | L1e — L7e | Location of the catalytic converter(s) (place and reference distance in the exhaust line): | see assembly drawing, attached |
| 4.1.2.10. | L1e — L7e | Catalyst heat-shield: | no |
| 4.1.2.11. | L1e — L7e | Brief description and schematic drawing of the regeneration system/method of exhaust after-treatment systems and its control system: | n.a. |
| 4.1.2.11.1. | L1e — L7e | Normal operating temperature range: | 673-1073K |
| 4.1.2.11.2. | L1e — L7e | Consumable reagents: | no |
| 4.1.2.11.3. | L1e — L7e | Brief description and schematic drawing of the reagent flow (wet) system and its control system: | n.a. |
| 4.1.2.11.4. | L1e — L7e | Type and concentration of reagent needed for catalytic action: | n.a. |
| 4.1.2.11.5. | L1e — L7e | Normal operational temperature range of reagent:..... K | n.a. |
| 4.1.2.11.6. | L1e — L7e | Frequency of reagent refill: continuous/maintenance: | n.a. |
| 4.1.2.12. | L1e — L7e | Identifying part number: | see item 0.8. Type |
| 4.1.3. | L1e — L7e | Oxygen sensor(s) | |
| 4.1.3.1. | L1e — L7e | Oxygen sensor component(s) drawing(s): | n.a. OE part |
| 4.1.3.2. | L1e — L7e | Drawing of exhaust device with oxygen sensor location(s): | see assembly drawing, attached |
| 4.1.3.3. | L1e — L7e | Control range(s): | n.a. OE part |
| 4.1.3.4. | L1e — L7e | Identifying part number(s): | n.a. OE part |
| 4.1.3.5. | L1e — L7e | Description of oxygen sensor heating system and heating strategy: | n.a. OE part |
| 4.1.3.6. | L1e — L7e | Oxygen sensor heat shield(s): | n.a. OE part |
| 4.1.4. | L1e — L7e | Secondary air-injection (air-inject in exhaust) | |
| 4.1.4.1. | L1e — L7e | Brief description and schematic drawing of the secondary air-injection system and its control system: | n.a. |
| 4.1.4.2. | L1e — L7e | Configuration (mechanical, pulse air, air pump etc.): | n.a. |
| 4.1.4.3. | L1e — L7e | Working principle: | n.a. |
| 4.1.5. | L1e — L7e | External exhaust gas recirculation (EGR) | |
| 4.1.5.1. | L1e — L7e | Brief description and schematic drawing of the EGR system (exhaust flow) and its control system: | n.a. |
| 4.1.5.2. | L1e — L7e | Characteristics: | n.a. |
| 4.1.6. | L1e — L7e | Particulate filter | |
| 4.1.6.1. | L1e — L7e | PT component drawing with dimensions, shape and capacity of the particulate filter: | n.a. |
| 4.1.6.2. | L1e — L7e | Design of the particulate filter: | n.a. |
| 4.1.6.3. | L1e — L7e | Brief description and schematic drawing of the particulate filter and its control system: | n.a. |
| 4.1.6.4. | L1e — L7e | Location (reference distance in the exhaust line): | n.a. |
| 4.1.6.5. | L1e — L7e | Method or system of regeneration, description and drawing: | n.a. |
| 4.1.7. | L1e — L7e | Lean NOx trap | |
| 4.1.7.1. | L1e — L7e | Operation principle of lean NOx trap: | n.a. |
| 4.1.8. | L1e — L7e | Additional tailpipe emission-control devices | |
| 4.1.8.1. | L1e — L7e | Working principle: | n.a. |

| Attachment | Drawing no. | Date | Pages |
|-----------------------------|--|------|-------|
| Drawing Catalytic Converter | P-KAT-060; katal. sest. TI D76/100 HU SM EU4 | - | 1 |
| Assembly Drawing | S HU 701 | - | 2 |
| Installation Instruction | Husqvarna 701 | - | 12 |

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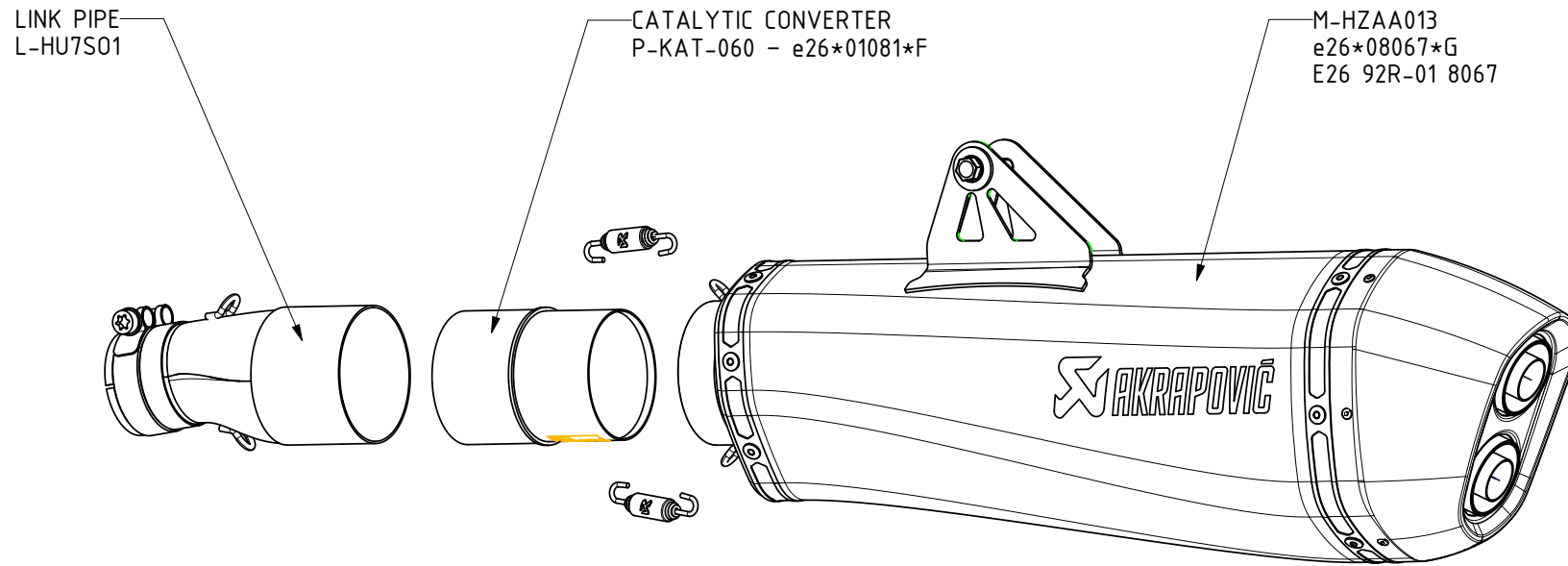
19.12.2016



Slip-ON line / EC / ECE Type approval

S HU 701 supermoto SO E4 OEM

Product code: S-HU7SO3-WT



Slip-ON line / EC / ECE Type approval

S HU 701 SUPERMOTO SO OPEN MTT OEM

Product code: S-HU7SO3-WT

