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STSA, Kotnikova ulica 19a, SI-1000 Ljubljana, tel.: +386 1 478 8430, vozila@avp-rs.si  
37141-50/2023/5

**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 zmanjševanje hrupa  
*of a type of STU: noise-abatement device*

glede na Priloge IX k Delegirani uredbi Komisije (EU) št. 134/2014, kakor je bila nazadnje spremenjena z Delegirano uredbo Komisije (EU) št. 2018/295  
*with regard to Annex(es) IX to Commission Delegated Regulation (EU) No 134/2014, as last amended by Commission Delegated Regulation (EU) No 2018/295*

Številka EU-homologacije: **e26\*134/2014\*2018/295G\*08209\*00**  
*EU type-approval number:*

Razlog za razširitev: /  
*Reason for extension:*

**ODDELEK I**  
**SECTION I**

|       |   |   |
|-------|---|---|
| 0.7   | Znamke (tovarniška imena proizvajalca):<br><i>Make(s) (trade name(s) of manufacturer)</i> | AKRAPOVIČ   |
| 0.8   | Tip:<br><i>Type:</i>  | M-HJHJI002  |
| 0.8.1 | Trgovska imena (če obstajajo):<br><i>Commercial name(s) (if available):</i>               | /   |
| 0.9   | Ime podjetja in naslov proizvajalca:<br><i>Company name and adress of manufacturer:</i>   | AKRAPOVIC D.D.<br>MALO HUDO 8A<br>1295 IVANCNA GORICA<br>Slovenia |

- 
- 0.9.1. Imena in naslovi proizvodnih tovarn:  
*Name(s) and address(es) of assembly plant(s):* AKRAPOVIC D.D.  
MALO HUDO 8A  
1295 IVANCNA 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:* KTM
- 0.10.1. Tip:  
*Type:* KTM Super Duke (e1\*168/2013\*00185\*)
- 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):* KTM 1390 Super Duke R  
KTM 1390 Super Duke R Evo
- 0.10.5. Kategorija, podkategorija in  
podpodkategorija vozila:  
*Category, subcategory and  
sub-subcategory of vehicle:* L3e-A3

**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):* 29.11.2023
3. Številka poročil o preskusu:  
*Number of test report(s):* 23-00041-CM-GBM-00
4. Opombe:  
*Remarks:* glej Dodatek  
*see Addendum*
- 4a. Homologacija je:  
*The approval is:* **podeljena**  
**granted**
- 4a.1. Homologacija se deli na podlagi člena 40  
Uredbe (EU) št. 168/2013, tako da je njena  
veljavnost omejena do: *The approval is granted in accordance with Article  
40 of Regulation (EU) No 168/2013 and its  
validity is thus limited to:* ne pride v poštev  
*not applicable*
5. ~~Omejitve veljavnosti:~~  
~~*Restrictions of validity:*~~ /
6. ~~Uporabljene opustitve:~~  
~~*Waivers applied:*~~ /
- Kraj:  
*Place:* 1000 LJUBLJANA
- Datum:  
*Date:* 07.12.2023
- Ime in podpis:  
*Name and signature:* mag. Tomaž Svetina, univ.dipl.inž.str.  
vodja sektorja za vozila

**TOMAŽ**  
**SVETINA**Digitalno  
podpisal TOMAŽ  
SVETINA  
Datum:  
2024.01.05  
13:51:04 +01'00'

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. e08209 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 e08209 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\*2018/295G\*08209\*00**

1. **Omejitve uporabe samostojne tehnične enote: naprave za zmanjševanje hrupa:**  
***Restriction of use of the STU: noise-abatement device:***

glej prilogo 2 testnega poročila 23-00041-CM-GBM-00  
*see enclosure 2 of the test report 23-00041-CM-GBM-00*

2. **Posebni pogoji za vgradnjo samostojne tehnične enote: naprave za zmanjševanje hrupa:**  
***Special conditions for the mounting of the STU: noise-abatement device:***

glej proizvajalčeva navodila za vgradnjo  
*see manufacturer's instruction manual*

3. **Opombe:**  
***Remarks:***

/

Ta homologacija se uporablja za tip serijsko izdelanih neoriginalnih izpušnih sistemov za tip motornega kolesa ali njegovih sestavnih delov pod naslednjimi pogoji:

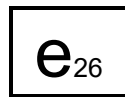
Posamezni proizvodi iz serijske proizvodnje morajo ustrezati najmanj vsem zahtevam Uredbe (EU) št. 168/2013 in Priloge IX k Delegirani uredbi Komisije (EU) št. 134/2014, nazadnje spremenjene z Delegirano uredbo Komisije (EU) št. 2018/295, "Zahteve za preskus tipa IX: raven hrupa".

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

Vsak sestavni del neoriginalnega izpušnega sistema, vendar ne deli in cevi za vgradnjo, mora biti čitljivo in trajno označen z:

- znamko (tovarniškim imenom proizvajalca),
- 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. 2018/295.

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.

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 zapiske 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 presoj skladnosti proizvodnje, se zaračunajo proizvajalcu.

Vsako spremembo oznake proizvajalca, naslova ali proizvodne tovarne oziroma pri homologaciji imenovane pooblaščenice 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.

07.12.2023

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

*This Approval shall apply to non-original exhaust systems for a type of motorcycle or its components from serial production under the following conditions:*

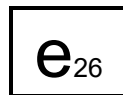
*Individual products from serial production shall comply at least with all requirements set out in the Regulation (EU) No 168/2013 and Annex(es) IX to Commission Delegated Regulation (EU) No 134/2014, as last amended by Commission Delegated Regulation (EU) No 2018/295, "Test type IX requirements: sound level".*

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

*Each component of the nonoriginal exhaust system, excluding pipes and fitting accessories, shall be marked with a readable and durable:*

- *make (trade name of manufacturer),*
- *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 2018/295.*

*Only products which comply with the approval documentation may bear the approval marking.*

*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.*

*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.*

07.12.2023

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



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

We, Akrapovič d.d., Malo Hudo 8a. 1295 Ivančna Gorica, Slovenia hereby ask STSA to grant approval against **ECE-R92 02** for the following product:  
Exhaust system for Motorcycles:

Type: **M-HJHJI002**

Version: **M-HJHJI002 05T (Ti / Ti / Ca)**

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.  
Davorin Dobočnik, CEO

Date: 12.10.2023



**JAVNA AGENCIJA  
REPUBLIKE SLOVENIJE  
ZA VARNOST PROMETA**

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**Sektor za vozila**

Kotnikova 19a  
1000 Ljubljana  
Slovenija  
telefon: 01 400 84 30  
telefaks: 01 400 84 17  
<http://www.avp-rs.si>

Številka: 37141-050/2023/02

Datum: 13.11.2023

AKRAPOVIČ D.D.  
REGULATORY DEPARTMENT  
g./ga. MARKO ŠTAMCAR  
MALO HUDO 8A

**Zadeva: Rezervacija homologacijske številke**

Spoštovani!

Sporočamo Vam rezervirano homologacijsko številko za:

Znamka: AKRAPOVIČ  
Tip: M-HJHJI002  
Opis: NADOMESTNI GLUŠNIKI ZA MOTOCIKLE (RESS)  
Direktiva / pravilnik: 92 R 02 - Nadomestni glušniki za motocikle, mopede in trikolesna vozila

REZERVACIJA: 92 R 02 8209\*00

PRI ORIGINALNI VLOGI OBVEZNO NAVESTI, DA GRE ZA DOPOLNITEV VLOGE: 37141-050/2023/02

Lep pozdrav!

Poslano:  
- AKRAPOVIČ D.D.

## PRÜFBERICHT TEST REPORT

**Nr. / no. 23-00042-CM-GBM-00**

über die Prüfung einer Nicht-Originalauspuffanlage oder  
von Einzelteilen hiervon als Technische Einheit für Krafträder gemäß  
ECE-R 92, Änderungsserie 02  
Einheitliche Bedingungen für die Genehmigung von nicht-originalen Austausch-  
Schalldämpferanlagen für Krafträder, Mopeds und Dreiradfahrzeuge. /

*about a test of a non-original exhaust system or a component  
as a separate technical unit for motorcycles according to  
ECE-R 92, 02 series of amendments*


*Uniform provisions concerning the approval of non-original replacement exhaust silencing  
systems (NORESS) for motorcycles, mopeds, and three-wheeled vehicles.*

| Genehmigungsstand / Approval status |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Erteilung einer Typgenehmigung<br><i>Granting of a type approval</i> <b>E26 92R-02 8209*00</b> |
| <input type="checkbox"/>            | Nachtrag/Änderung zur Typgenehmigung Nr.<br><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:* -

 Digitalno podpisal  
JOŽE TRŠELIČ  
Datum: 2023.12.20  
14:25:42 +01'00'

**0. Allgemeine Angaben / General information**

- 0.1. Fabrikmarke / Make: AKRAPOVIČ  
0.2. Typ / Type: M-HJHJI002  
0.2.1. Ausführungen / Variants:

| Ausführungen / Variants | Material / Material |                      |                    |
|-------------------------|---------------------|----------------------|--------------------|
|                         | Rohre / Tubes       | Außenmantel / Sleeve | Endkappe / End cap |
| M-HJHJI002 05T          | Titan / Titanium    | Titan / Titanium     | Karbon / Carbon    |

Die Ausführungen unterscheiden sich in der Verwendung verschiedener Werkstoffe. Der konstruktive Aufbau ist gleich. Das akustische Verhalten ist als gleichwertig zu betrachten. /

*The variants vary because different materials are used. The basic construction remains the same. The acoustic behaviour is to be regarded as equivalent.*

- 0.3. Name und Anschrift des Herstellers /  
*Name and address of manufacturer:* Akrapovič d.d.  
Malo Hudo 8a  
SLO-1295 Ivančna Gorica
- 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:* M-HJHJI002  
Ausgabedatum / *Date:* 29.11.2023
- 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 / see enclosure 2

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

- 2.1. Art der Technischen Einheit / *Kind of technical unit:*  
Technische Einheit, bestehend aus einem Schalldämpfer nach Zeichnung Nr. 287293\_HOM, oval 126,8 x 181,8 x 351,6 mm, Absorptionsprinzip mit Eintritts- und Austrittsrohren gem. Anlage 1. /  
*Technical unit, consisting of a silencer according to drawing no. 287293\_HOM, oval 126,8 x 181,8 x 351,6 mm, absorption-principle with inlet and outlet pipes according to enclosure 1.*
- 2.2. Ort der Kennzeichnung /  
*Place of marking:* Lasergravur, Typschild aufgenietet /  
*Engraved by laser, plate fixed with rivets*
- 2.3. Zusammenstellung der techn. Einheit /  
*Composition of the separate technical unit:* siehe Anlage 1 / *see enclosure 1*
- 2.4. Lage und Richtung der Auspuffmündung /  
*Position and direction of the tail pipe:* rechts seitlich nach hinten /  
*right side to the rear*

## **3. Prüfprotokoll / Test report**

Die Prüfungen wurden in 1 Versuchsreihe A mit folgendem Fahrzeug durchgeführt. /  
*The tests were carried out in 1 series A with following vehicle:*

Versuchsreihe A / Series A: (Ifd. Nr. / no. 1, Messdatum / Date 26.10.2023)

### **3.1. Fahrzeug / Vehicle**

- 3.1.1. Typ / Type: KTM Super Duke  
3.1.1.1 Variante / Version / *Variant / Version:* D / -  
3.1.1.2 Fahrzeugkategorie / *Category:* L3e-A3  
3.1.1.3 Handelsbezeichnung / *Model:* KTM 1390 Super Duke R
- 3.1.2. Hersteller / *Manufacturer:* KTM (A)  
3.1.3. Genehmigungs-Nr. / *Homologation no.:* e1\*168/2013\*00185  
3.1.3.1 Nachtrag bzw. Erweiterung / *Extension:* 04
- 3.1.4. Fahrzeugidentifizierungsnummer /  
*Vehicle identification no.:* VBKV39P38RM967767
- 3.1.5. Baujahr / *Year of manufacture:* 2023
- 3.1.6. Km-Stand / *Kilometers:* 2707
- 3.1.7. Zul. Gesamtgewicht / *Total weight:* 425 kg

### 3. **Prüfprotokoll** (Fortsetzung) / **Test report** (continuation)

#### 3.2. **Antriebsmaschine / Engine**

- 3.2.1. Hersteller / Manufacturer: KTM
- 3.2.2. Typ / Type: A600
- 3.2.3. Hubraum / Engine capacity: 1350 cm<sup>3</sup>
- 3.2.4. Höchstleistung / Max. net power: 140 kW bei / at 10000 min<sup>-1</sup>
- 3.2.5. Max. Drehmoment / Max. net torque: 145 Nm bei / at 8000 min<sup>-1</sup>

#### 3.3. **Kraftübertragung / Transmission**

- 3.3.1. Art der Kraftübertragung / Kind of transmission: mechanisch / mechanical
- 3.3.2. Getriebe / Gearbox: 6-Gang-manuell / 6-gear-manual
- 3.3.3. Übersetzungsverhältnisse / Transmission ratios  
primär / primary / sekundär / secondary: 1,900 / 2,235
- Höchstgeschwindigkeit / Top speed: 270 km/h
- Reifen / Tires:  
vorne / front: Michelin Power GP 120/70 ZR17 58W  
hinten / rear: 200/55 ZR17 78W

#### 3.4. **Zusammenbau der Auspuffanlage / Assembly of the exhaust system** (Teile lfd. Nr. lt. Anlage 1 / no. of parts acc. enclosure 1)

Versuchsreihe A / Series A: 1)2a)

#### 3.5. **Messung der Geräuschwerte / Acoustic measurements**

- 3.5.1. Hersteller des Messgerätes / Manufacturer of test equipment: MÜLLER-BBM
- 3.5.2. Typ des Messgerätes / Type of the test equipment: PAK MK II Configuration
- 3.5.3. Fahrgeräusch, Standgeräusch / Drive by noise, stationary noise: nach ECE-R 41.05 / according ECE-R 41.05

### 3. **Prüfprotokoll** (Fortsetzung) / **Test report** (continuation)

3.5.4. Beladungszustand bei der Fahrgeräuschmessung /  
*Load condition during drive by test:* Leergewicht zuzüglich 75 kg Fahrer /  
*Unloaded weight plus 75 kg 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 and the engine speed is 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 /  
*not applicable, because vehicle class:* L3e

### 3.7. **Konditionierung der Auspuffschalldämpferanlage** / **Conditioning of silencer system**

durch Druckschwingungen / *by pulsation*

Es liegt ein Konditioniernachweis vor, Anhang 3 der ECE-R 92 kann als erfüllt betrachtet werden. /

*A conditioning certificate is available, Annex 3 of ECE-R 92 can be regarded as fulfilled.*

### 3. **Prüfprotokoll** (Fortsetzung) / **Test report** (continuation)

#### 3.8. **Ergebnisse / Test results**

Die Ergebnisse der Prüfungen hinsichtlich / *The test results of*

- 3.8.1. Geräuschmessung / *Noise testing*
- 3.8.2. Leistungsmessung / *Power measurement*

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

Aufgrund der durchgeführten Messungen mit Original- und Nicht-Original-Auspuffanlage können die Punkte 6.2 bis 6.5 der ECE-R 92 als erfüllt betrachtet werden. /

*The results of the tests with the original and non-original exhaust system show that item 6.2 to 6.5 of the directive ECE-R 92 is fulfilled.*

- 3.8.3. Die beschriebene Nicht-Originalauspuffanlage / Technische Einheit darf an den in der Anlage 2 aufgeführten Kraftfahrzeugen 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.*
- 3.8.4. Die allgemeinen Spezifikationen gemäß Punkt 6.1 der ECE-R 92 wurden überprüft und werden durch die Nicht-Originalauspuffanlage / technische Einheit erfüllt. /  
*The general specifications concerning item 6.1 of the directive ECE-R 92 were checked and are fulfilled.*

#### 4. **Anlagen / Enclosures**

- Anlage 1, Teile der technischen Einheit (1 Seite / Page)  
*Enclosure 1, Composition of the separate technical unit*
- Anlage 2, Verwendungsbereich (1 Seite / Page)  
*Enclosure 2, Field of application*
- Anlage 3, Ergebnisse der Geräusch- und Leistungsmessungen (1 Seite / Page)  
*Enclosure 3, Results of noise testing and power measurements*
- Anlage, Protokoll Geräuschmessung (M-HJHJI002) (13 Seiten / Pages)  
*Enclosure, Protocol noise test (M-HJHJI002)*
- Anlage, Leistungskurve (KTM 1390 Super Duke) (1 Seite / Page)  
*Enclosure, Performance diagram (KTM 1390 Super Duke)*



## 5. Schlussbescheinigung / Summary

Die erwähnte Beschreibungsbogen und der darin beschriebene Typ entsprechen der genannten Prüfgrundlage. Der ungünstigste Fall wurde entsprechend der Prozessbeschreibung "Anforderungen an Prüfberichte (AS-PB-T-02)" bestimmt.

Der Prüfbericht darf nur vom Auftraggeber und nur in vollem Wortlaut vervielfältigt und weitergegeben werden. Eine auszugsweise Vervielfältigung und Veröffentlichung des Prüfberichtes sind nur nach schriftlicher Genehmigung zulässig. /

*The mentioned information document and the type described therein are in accordance with the test basis mentioned above. The worst-case was selected in accordance with document "Requirements for Test Reports (AS-PB-T-02)".*

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TÜV SÜD Auto Service GmbH is designated as Technical Service by:

| <b>Genehmigungsbehörde</b><br><b>Approval authority</b>              | <b>Land</b><br><b>Country</b>            | <b>Registriernummer</b><br><b>Registration number</b> |
|--|--|---|
| Kraftfahrt-Bundesamt (KBA)   | Deutschland<br>Germany                   | KBA-P 00100-10  |
| Vehicle Certification Agency (VCA)                                   | Vereinigtes Königreich<br>United Kingdom | VCA-TS-006  |
| Approval Authority of the Netherlands (RDW)                          | Niederlande<br>The Netherlands           | RDWT-082-xx   |
| National Standards Authority of Ireland (NSAI)                       | Irland<br>Ireland                        | Technical Service Number: 49                          |
| Vehicle Safety Certification Center (VSCC)                           | Taiwan<br>Taiwan                         | DE04-06-2   |
| Société Nationale de Certification et d'Homologation s.à r.l. (SNCH) | Luxemburg<br>Luxembourg                  | 13/B(g)   |
| Swedish Transport Agency   | Schweden<br>Sweden                       | TT 0024   |

Dieser Bericht umfasst Seite 1 bis 7. /  
This test report contains the pages 1 up to 7.

München, 29.11.2023



F. Rinske (B. Eng.)  
Sachverständiger / Recognized Expert

fr  
M-HJHJI002\_SLO\_ECE\_0.doc





Auto Service

Prüfbericht Nr. / Test report No.: 23-00042-CM-GBM-00  
Hersteller / Manufacturer: Akrapovič, d.d., SLO-1295 Ivancna Gorica  
Typ / Type: M-HJHJ002

## ANLAGE 1 ENCLOSURE 1

### Teile der technischen Einheit / Composition of the separate technical unit

| Lfd. Nr. / No. | Einzelteile, Abmessungen in mm / Components parts, dimensions in mm  | Abmessungen des Teiles in mm bzw. Originalteil / Ersatzteil / Dimensions of the part in mm or original part / replacement part | Teilenummer bzw. Genehmigungsnummer / Part no. or homologation no. |
|----------------|--|--|--|
| 1)             | Krümmerröhre mit Katalysator und Vorschalldämpfer / Header pipes with catalytic converter and pre-silencer | Originalteile / Original parts   | -  |
| 2a)            | Schalldämpfer / Silencer (Eintrittsrohr / Inlet pipe Ø 62,7<br>2 Austrittsrohre / Outlet pipes Ø 32)       | oval / oval 126,8 x 181,8 x 351,6 lg   | M-HJHJ002<br>e26*08209*G<br>E26 92R-02 8209                        |

M-HJHJ002\_SLO\_ECE\_1.doc

Prüfbericht Nr. / Test report No.: 23-00042-CM-GBM-00  
 Hersteller / Manufacturer: Akrapovič, d.d., SLO-1295 Ivancna Gorica  
 Typ / Type: M-HJHJ002

## ANLAGE 2 ENCLOSURE 2

### Verwendungsbereich / Field of application

Die Fahrzeuge erfüllen – bezugnehmend auf ihre Fahrzeugtypgenehmigung - die Umweltauflagen: die Umweltauflagenstufen:  
 The vehicles fulfill - regarding their Whole Vehicle Type Approval (WVTA) - the environmental steps:

Euro (5)  
Euro (5)

| Lfd. Nr. Fahrzeug / No. of vehicle | Hersteller / Manufacturer | Fabrikmarke / Trade mark | Handelsbezeichnung / Commercial description | Fahrzeugtyp (und Genehmigungsnummer) / Vehicle type (and no. of homologation) | Var. / Vers. / | Motortyp 4-Takt / Engine type 4-stroke | Hubraum in cm <sup>3</sup> / Engine capacity in cm <sup>3</sup> | Nennleistung kW/min <sup>-1</sup> / max. engine power kW/min <sup>-1</sup> | Sonstige bestimmende Merkmale / Additional remarks | Anordnung entspr. Anlage 1 lfd. Nr. / Composition as shown in enclosure no. 1 |
|------------------------------------|---------------------------|--------------------------|---|---|----------------|--|---|--|--|---|
| 1) **)                             | KTM (A)                   | KTM                      | KTM 1390 Super Duke R                       | KTM Super Duke (e1*168/2013*00185*)   | D / -          | A600                                   | 1350  | 140/10000  | mit Kat. / with cat. *)                            | 1)2a)   |
| 2) **)                             |                           |                          | KTM 1390 Super Duke R Evo                   |   |                |  |   |  |  |   |

\*) Der serienmäßige Katalysator bleibt unverändert im Abgassystem. Eine Verschlechterung des Abgasverhaltens ist nicht zu erwarten. / The original catalytic converter remains in the exhaust system. A degradation of catalyst efficiency is not expected.  
 \*\*) Ab Nachtrag 04 / From extension 04

M-HJHJ002\_SLO\_ECE\_2.doc

Prüfbericht Nr. / Test report No.: 23-00042-CM-GBM-00  
 Hersteller / Manufacturer: Akrapovič, d.d., SLO-1295 Ivancna Gorica  
 Typ / Type: M-HJHJ002

## ANLAGE 3 ENCLOSURE 3

### Ergebnisse der Geräusch- und Leistungsmessungen / Results of noise testing and power measurements

| Lfd. Nr.<br>Fahrzeug | Leistung  |   | Leistung<br>Austausch<br>kW/min <sup>-1</sup> | V <sub>max</sub>                            |                                      | V <sub>max</sub><br>Aus-<br>tausch<br>km/h | Fahrgeräusch in dB(A) /<br>Sound level driving vehicle in dB(A) |  |                                 |                                     | Standgeräusch in dB(A) /<br>Sound level stationary vehicle in dB(A) |                              |                         |                       |
|----------------------|---|---|---|---|--------------------------------------|--|---|--|---------------------------------|-------------------------------------|---|------------------------------|-------------------------|-----------------------|
|                      | Serie<br>kW/min <sup>-1</sup>                       | Engine<br>power<br>original<br>kW/min <sup>-1</sup>     |   | Serie<br>km/h                               | V <sub>max</sub><br>original<br>km/h |  | gemessen<br>in Gang   | Grenz-<br>wert <sup>1)</sup>                                     | Serie<br>gemessen <sup>2)</sup> | Austausch<br>gemessen <sup>2)</sup> | bei<br>km/h   | It. Fzg.<br>BE               | Serie<br>gemessen       | Austausch<br>gemessen |
| No. of<br>vehicle    | Engine<br>power<br>original<br>kW/min <sup>-1</sup> | Engine<br>power<br>non-original<br>kW/min <sup>-1</sup> | V <sub>max</sub><br>original<br>km/h          | V <sub>max</sub><br>non<br>original<br>km/h | measured<br>in gear<br>ratio         | Limit<br>value <sup>1)</sup>               | original<br>measured <sup>2)</sup><br>L <sub>Urban</sub>        | non-<br>original<br>measured <sup>2)</sup><br>L <sub>Urban</sub> | at<br>km/h                      | Vehicle<br>type<br>hom.             | original<br>measured  | non-<br>original<br>measured | at<br>min <sup>-1</sup> |                       |
| 1)                   | 140/10000   | 140/10000   | -   | -   | 3 + 4                                | 77   | 76,3<br>L <sub>Urban</sub>                                      | 76,3<br>L <sub>Urban</sub>                                       | 50                              | 93                                  | 94  | 94                           | 5000                    |                       |

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

2) Betriebsart / Operating mode: Performance

#### Anmerkungen / Remarks:

- Das Prüffahrzeug wurde zusätzlich in den weiteren Betriebsarten gemessen. /  
 Test vehicle had been tested in additional driving modes.
- Die verschiedenen Betriebsarten haben keinen signifikanten Einfluss auf den Geräuschpegel und Beschleunigungsverhalten. /  
 Different driving modes have no significant influence in sound pressure level and acceleration.

M-HJHJ002\_SLO\_ECE\_3.doc

**Information Document M-HJHJ002**

**relating to EU type-approval of a noise-abatement device as a STU**

TÜV SÜD Auto Service Technical Report: 23-00042-CM-GBM-00

| Item No. | (Sub) categories             | Detailed information   |
|----------|------------------------------|--|
| B.       |                              | <b>General information concerning systems, components, or separate technical units</b>   |
| 0.7.     | L1e — L7e                    | <b>Make(s) (trade name(s) of manufacturer):</b> AKRAPOVIC Exhaust System Technology  |
| 0.8.     | L1e — L7e                    | <b>Type:</b> <b>M-HJHJ002</b>  |
| 0.8.1.   | L1e — L7e                    | Commercial name(s) (if available): n.a.  |
| 0.8.2.   | L1e — L7e                    | Type-approval number(s) (if available): E26 92R-02 8209*00   |
| 0.8.3.   | L1e — L7e                    | Type-approval(s) issued on (date, if available): n.a.  |
| 0.9.     | L1e — L7e                    | <b>Company name and address of manufacturer:</b> Akrapovic d.d.<br>Malo Hudo 8a<br>SLO-1295 Ivancna Gorica   |
| 0.9.1.   | L1e — L7e                    | Name(s) and address(es) of assembly plants: Akrapovič, d.d.<br>Malo Hudo 8a<br>SLO-1295 Ivancna Gorica<br><br>Akrapovič d.d., PE<br>Ulica heroja Stariha 24<br>SLO-8340 Črnomelj |
| 0.9.2.   | L1e — L7e                    | Name and address of manufacturer's authorized representative, if any: n.a.   |
| 0.10.    |                              | <b>Vehicle(s) for which the system/separate technical unit is intended for:</b>  |
| 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.       |                              | <b>General information concerning vehicle, systems, components, or separate technical units</b>  |
| 0.12.    |                              | <b>Conformity of production</b>  |
| 0.12.1.  | L1e — L7e                    | Controlled by ISO 9001:2008 Quality Management System certified by TÜV SÜD Management Service GmbH Registration no.: 12 100/104 31148 TMS  |
| 1.       |                              | <b>GENERAL CONSTRUCTION CHARACTERISTICS</b>  |
| 1.8.     |                              | <b>Propulsion unit performance</b>   |
| 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 <sup>-1</sup> at A/F ratio: see Technical Report  |
| 1.8.4.   | L1e — L7e                    | Maximum net torque combustion engine: . Nm at . min <sup>-1</sup> 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 <sup>-1</sup> n.a.   |
| 1.8.7.   | L1e — L7e                    | Maximum continuous total power for propulsion(s): .... kW. at ... min <sup>-1</sup> at A/F ratio: n.a.   |
| 1.8.8.   | L1e — L7e                    | Maximum continuous total torque for propulsion(s): .... Nm at .... min <sup>-1</sup> at A/F ratio: n.a.  |
| 1.8.9.   | L1e — L7e                    | Maximum peak power for propulsion(s): ..... kW at ..... min <sup>-1</sup> at A/F ratio: n.a.   |

|          |           |  |
|----------|-----------|--|
| 4.       |           | <b>GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE</b>  |
| 4.0      |           | <b>General information on environmental and propulsion performance</b>   |
| 4.0.1.   | L1e — L7e | Environmental step: Euro (5)   |
| 4.0.2.   | L1e — L7e | Fuel consumption: see WVTA   |
| 4.0.3.   | L1e — L7e | CO <sub>2</sub> emissions: see WVTA  |
| 4.0.4.   | L1e — L7e | Energy consumption: n.a.   |
| 4.0.5.   | L1e — L7e | Electric range: n.a.   |
| 4.0.6.   |           | Sound level  |
| 4.0.6.1. | L1e — L7e | Limit value for L <sub>urban</sub> : see Technical Report  |
| 4.4.     | L1e — L7e | <b>Additional information on environmental and propulsion unit performance</b>   |
| 4.4.4.   | L1e — L7e | All additional technical information according to UN Regulation No. 92, are mentioned in the Technical Report or shown in the attachments. |

| Anlage /<br>Enclosure   | Dokument-Nr. /<br>Document no. | Datum /<br>Date | Seiten /<br>Pages |
|---|--------------------------------|-----------------|-------------------|
| Zeichnung Gesamtanlage /<br>Drawing exhaust system  | KTM Super Duke 1390 R          | -               | 1                 |
| Zeichnung(en) d. Bauteile d. zu<br>genehmigenden techn. Einheit /<br>Drawing(s) of parts of the<br>separate techn. unit | 287293_HOM                     | 24.10.2023      | 1                 |
| Stückliste / Part list  | M-HJHJI002                     | -               | 1                 |
| Einbauanleitung /<br>Mounting instructions  | KTM 1390 Superduke R           | 11/2023         | 12                |
| ASEP Erklärung /<br>ASEP Statement  | -                              | 14.11.2023      | 1                 |



AKRAPONIC, d.d.  
Ulica 1295 Ivančna Gorica,  
Slovenija

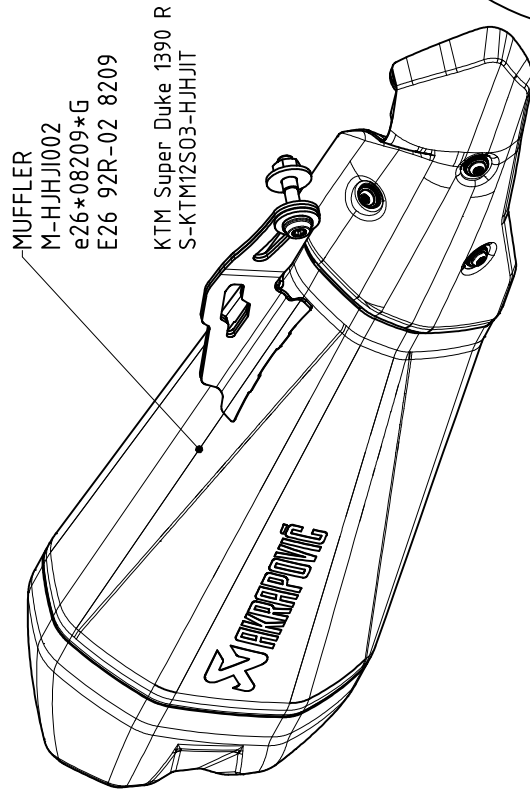
Davorin Dobočnik, CEO

29.11.2023

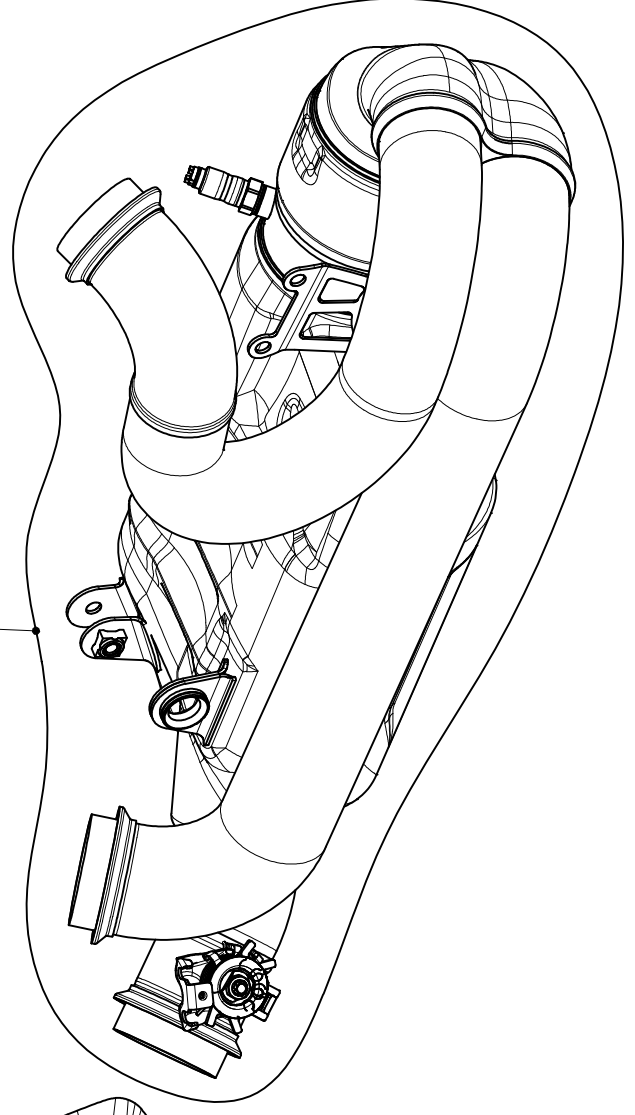
Partial exhaust system / Slip-ON line / EC / ECE Type approval

KTM SUPER DUKE 1390 R

Product code: S-KTM12SO3-HJHJIT



ORIGINAL PARTS  
with catalytic converter





## Statement of compliance with the Additional Sound Emission Provisions

This statement is required for non-original replacement exhaust silencing systems (NORESS) without multiple, manually or electronically adjustable, rider selectable operating modes or without variable geometries specified for the use on L3 Category vehicles that are type approved pursuant to the amendments to UN Regulation No.41 and are subject to the ASEP-requirements series of amendments to UN Regulation No.41.

Akrapovič d.d., Malo Hudo 8a, 1295 Ivančna Gorica, attests that the non-original replacement exhaust silencing systems of this type **M-HJHJI002, (E26 92R-02 8209)**, comply with the applicable ASEP requirements of UN Regulation No.41 during the type approval procedure and its production.

Akrapovič d.d., Malo Hudo 8a, 1295 Ivančna Gorica, makes this statement in good faith, after having performed an appropriate evaluation of the sound emission performance of the non-original replacement exhaust silencing system in accordance with the requirements of UN Regulation No.92 during the type approval procedure and its production.

Akrapovič d.d.  
Davorin Dobočnik, CEO



Date: 14.11.2023



AKRAPOVIČ d.d.

Malo Hudo 8a, 1295 Ivančna Gorica