



AVP, Kotnikova ulica 19a, SI-1000 Ljubljana, tel.: 01 478 8430, vozila@avp-rs.si  
STSA, Kotnikova ulica 19a, SI-1000 Ljubljana, tel.: +386 1 478 8430, vozila@avp-rs.si  
37141-022/2022/03

**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\*08144\*02**  
*EU type approval number:*

Razlog za razširitev:  
*Reason for extension:*

razširitev področja uporabe  
*extended field of application*

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

0.7	Znamke (tovarniška imena proizvajalca): <i>Make(s) (trade name(s) of manufacturer)</i>	AKRAPOVIC
0.8	Tip: <i>Type:</i>	M-HR070
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>	AKRAPOVIC D.D. MALO HUDO 8A 1295 IVANCNA GORICA 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:* glej poročilo o preskusu  
*see the test report*
- 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):* glej poročilo o preskusu  
*see the test report*
- 0.10.5 Kategorija, podkategorija in  
podpodkategorija vozila:  
*Category, subcategory and  
sub-subcategory of vehicle:* L3e-A2, 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):* 07.04.2022
3. Številka poročil o preskusu:  
*Number of test report(s):* 19-00081-CM-GBM-02
4. Opombe:  
*Remarks:* glej Dodatek  
*see Addendum*
- 4a. Homologacija je:  
*The approval is:* **razširjena**  
**extended**
- 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:* 26.05.2022
- Ime in podpis:  
*Name and signature:* mag. Tomaz Svečina, 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. e08144 Rev.02**

*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 e08144 Rev.02**

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\*08144\*02**

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

glej prilogo 2 testnega poročila 19-00081-CM-GBM-02  
*see enclosure 2 of the test report 19-00081-CM-GBM-02*

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:

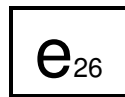
Posamezni proizvodi iz serijske proizvodnje morajo ustrezati najmanj vsem zahtevam Uredbe (EU) št. 168/2013 in Priloge IX k Delegirani uredbi Komisije (EU) št. 134/2014, nazadnje spremenjene z Delegirano uredbo Komisije (EU) št. 2018/295, "Zahteve za preskus tipa IX: raven hrupa".

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:



**08144G**

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 presojo 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.

26.05.2022



mag. Tomaž Svoboda, 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:*

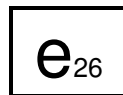
*Individual products from serial production shall comply at least with all requirements set out in the Regulation (EU) No 168/2013 and Annex(es) IX to Commission Delegated Regulation (EU) No 134/2014, as last amended by Commission Delegated Regulation (EU) No 2018/295, "Test type IX requirements: sound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



**08144G**

*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.

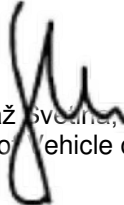
The Slovenian Type Approval Authority shall be notified of the start of production or start of sale, or its restart, within a month's time at the latest.

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.

26.05.2022



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





**KAZALO OPISNE DOKUMENTACIJE e08144**  
**INDEX TO THE INFORMATION PACKAGE e08144**

Revision: 02

Homologacijska številka: **e26\*134/2014\*2018/295G\*08144**  
Approval number:

Razširitev številka: **02**  
Extension number:

Zgodovina homologacije / Opisne dokumentacije:  
Type approval / Information package history:

Razširitev / Revizija: Extension / Revision:	Zadeva: Subject:	Datum izdaje: Date of issue:	Skupno št. strani: Total No. of pages:
00/00	Odobritev homologacije Granting of type approval	27.01.2020	31
01/01	Razširitev homologacije Extension of type approval	07.01.2021	11
02/02	Razširitev homologacije Extension of type approval	26.05.2022	30

Poročilo o preskusu: **19-00081-CM-GBM-02**  
Test report:

Število strani: **24**  
Number of pages:

datum izdaje: **07.04.2022**  
date of issue:

datum zadnje spremembe: /  
date of latest amendment:

Opisni list/Tehnični opis naprave: **M-HR070**  
Information document/Technical description of the device:

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

datum izdaje: **06.04.2022**  
date of issue:

datum zadnje spremembe: /  
date of latest amendment:

Risba(e)<sup>1</sup>:  
Drawing(s)<sup>1</sup>:

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

datum zadnje spremembe: /  
date of latest amendment:

Navodila za vgradnjo in uporabo:  
Mounting and handling instructions:

Število strani:  
Number of pages:

datum zadnje spremembe: /  
date of latest amendment:

Ostala dokumentacija:  
Other documentation:

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



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

**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 **an extension** to an approval against **e26\*134/2014\*2018/295G\*08144\*01** for the following product:

Exhaust system for Motorcycles - muffler:

Type: **M-HR070**

Version: **M-HR070 05TBL** (Ti / Ti / Ca)  
**M-HR070 05CBL** (Ti / Ca / Ca)  
**M-HR070 02TBL** (SS / Ti / Ca)  
**M-HR070 02SSBL** (SS / SS / Ca)  
**M-HR070 02CBL** (SS / Ca / Ca)  
**M-HR070 05T** (Ti / Ti / Ca)  
**M-HR070 05C** (Ti / Ca / Ca)  
**M-HR070 02T** (SS / Ti / Ca)  
**M-HR070 02SS** (SS / SS / Ca)  
**M-HR070 02C** (SS / Ca / Ca)  
**M-HR070 05TBL/1** (Ti / Ti / Ca)  
**M-HR070 05CBL/1** (Ti / Ca / Ca)  
**M-HR070 02TBL/1** (SS / Ti / Ca)  
**M-HR070 02SSBL/1** (SS / SS / Ca)  
**M-HR070 02CBL/1** (SS / Ca / Ca)  
**M-HR070 05T/1** (Ti / Ti / Ca)  
**M-HR070 05C/1** (Ti / Ca / Ca)  
**M-HR070 02T/1** (SS / Ti / Ca)  
**M-HR070 02SS/1** (SS / SS / Ca)  
**M-HR070 02C/1** (SS / Ca / 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,

Date: 16.12.2021

Akrapovič d.d.  
Uroš Rosa, CEO

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



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-HR070</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*134/2014*2018/295G*08144*02
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. Malo Hudo 8a 1295 Ivancna Gorica Slovenia
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 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 (4/5)
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.



**Information Document M-HR070**

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

TÜV SÜD Auto Service Technical Report: 19-00081-CM-GBM-02

Anlage / <i>Enclosure</i>	Dokument-Nr. / <i>Document no.</i>	Datum / <i>Date</i>	Seiten / <i>Pages</i>
Zeichnung Abgasanlage / <i>Drawing exhaust system</i>	KTM Duke 890R / Duke 790/L	-	1
Zeichnung Schalldämpfer / <i>Drawing silencer</i>	266723_HOM	20.12.2021	1
ASEP Erklärung / <i>ASEP Statement</i>	---	16.12.2021	1

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



Rosa Uroš, Managing Director

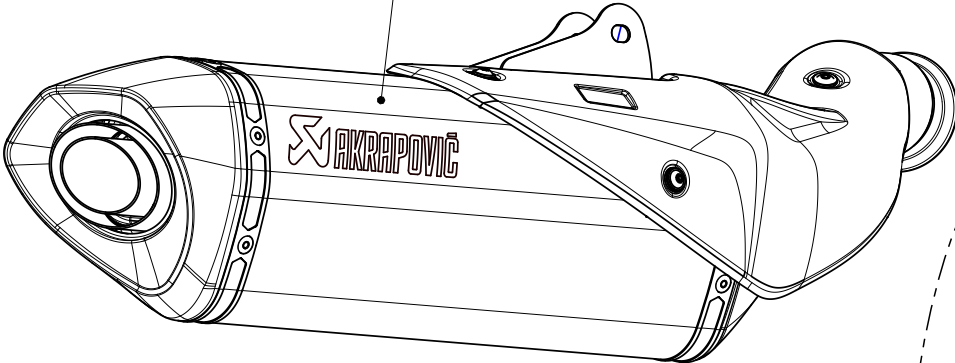
06.04.2022



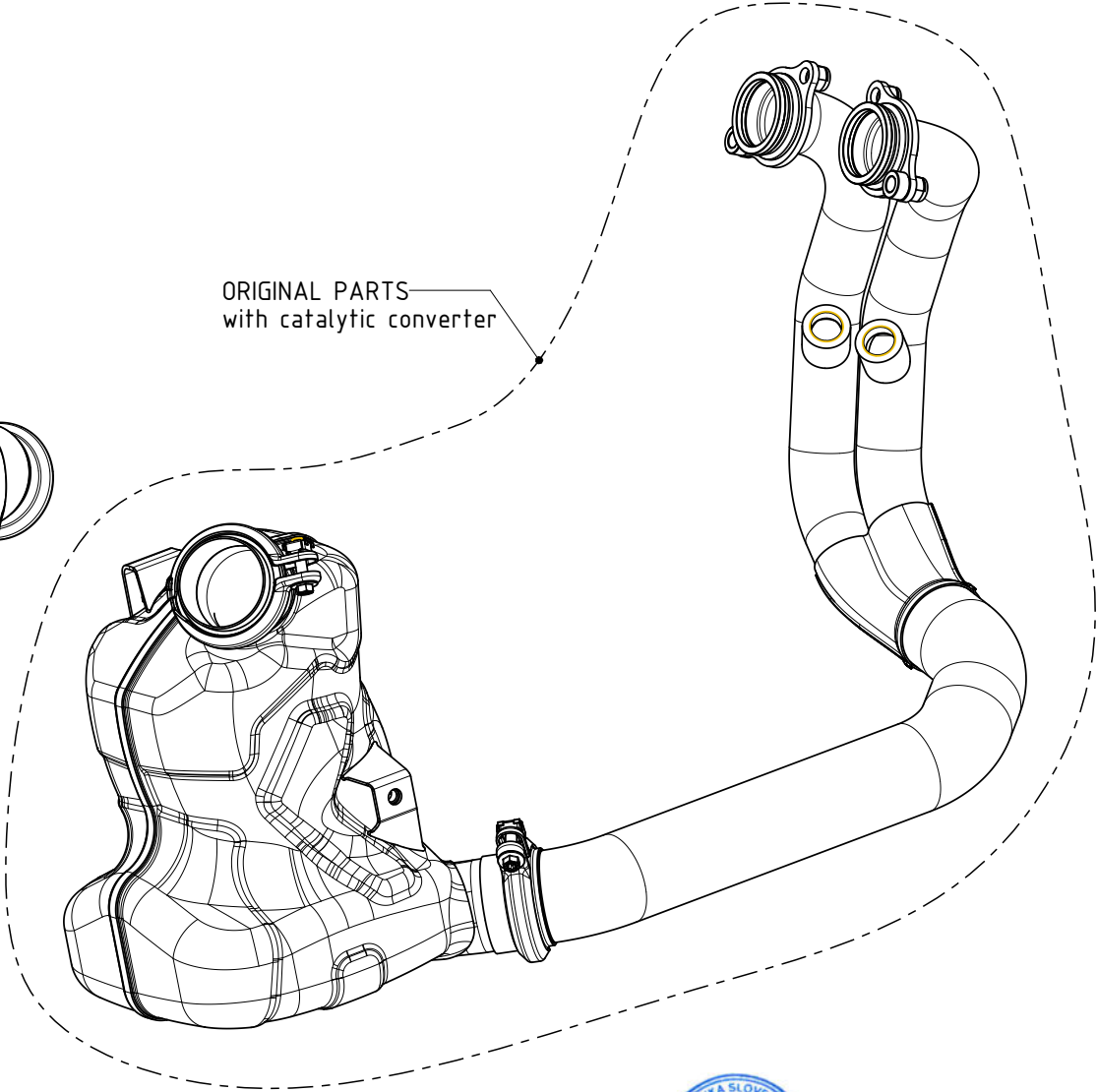
**KTM Duke 890 R/ Duke 790/L / Partial exhaust system / Slip-ON line / EC&ECE Type approval**

**S-KTM8SO1-HRT  
S-KTM8SO1-HRTBL**

MUFFLER  
M-HR070  
e26\*08144\*G  
E26 92R-02 8144



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-HR070, (E26 92R-02 8144)**, 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.  
Rosa Uroš, CEO*

 *Rosa Uroš*  
Malo Hudo 8a, 1295 Ivančna Gorica,  
Slovenija

Date: 16.12.2021



## PRÜFBERICHT TEST REPORT

**Nr. / no. 19-00081-CM-GBM-02**

über die Prüfung zur Bauartgenehmigung einer Nicht-Originalauspuffanlage oder von Einzelteilen hiervon als selbstständige technische Einheit für Krafträder /

*about a test regarding a component type-approval for non-original exhaust system or components thereof, as a technical unit for motorcycles*

Verordnung / Regulation (EU) 134/2014 vom / dated 16.12.2013  
zuletzt geändert / last amended (EU) 2018/295 vom / dated 15.12.2017  
Kodierung / Codification G

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.*

<b>Genehmigungsstand / Approval status</b>	
<input type="checkbox"/>	Erteilung einer Typgenehmigung <i>Granting of a type approval</i>
<input checked="" type="checkbox"/>	Nachtrag/Änderung zur Typgenehmigung Nr. <b>e26*134/2014*2018/295G*08144*01</b> <i>Extension/correction to type approval no.</i>

### **Gründe der Erweiterung / Reasons for extension**

Es wird geändert /  
*It will be changed:*

- Der Verwendungsbereich wird erweitert. /  
*Extension of application range*

Es wird aktualisiert /  
*It will be updated:*

- Anlagen 1/02 und 2/02 /  
*Enclosures 1/02 and 2/02*



## 0. Allgemeine Angaben / General information

0.1. Fabrikmarke / Make: AKRAPOVIČ

0.2. Typ / Type: M-HR070

0.2.1. Ausführungen / Variants:

Ausführungen / Variants	Material / Material		
	Rohre / Tubes	Außenmantel / Sleeve	Endkappe / End cap
M-HR070 05TBL	Titan / Titanium	Titan / Titanium	Karbon / Carbon
M-HR070 05CBL	Titan / Titanium	Karbon / Carbon	Karbon / Carbon
M-HR070 02TBL	VA / Stainless steel	Titan / Titanium	Karbon / Carbon
M-HR070 02SSBL	VA / Stainless steel	VA / Stainless steel	Karbon / Carbon
M-HR070 02CBL	VA / Stainless steel	Karbon / Carbon	Karbon / Carbon
M-HR070 05T	Titan / Titanium	Titan / Titanium	Karbon / Carbon
M-HR070 05C	Titan / Titanium	Karbon / Carbon	Karbon / Carbon
M-HR070 02T	VA / Stainless steel	Titan / Titanium	Karbon / Carbon
M-HR070 02SS	VA / Stainless steel	VA / Stainless steel	Karbon / Carbon
M-HR070 02C	VA / Stainless steel	Karbon / Carbon	Karbon / Carbon
M-HR070 05TBL/1	Titan / Titanium	Titan / Titanium	Karbon / Carbon
M-HR070 05CBL/1	Titan / Titanium	Karbon / Carbon	Karbon / Carbon
M-HR070 02TBL/1	VA / Stainless steel	Titan / Titanium	Karbon / Carbon
M-HR070 02SSBL/1	VA / Stainless steel	VA / Stainless steel	Karbon / Carbon
M-HR070 02CBL/1	VA / Stainless steel	Karbon / Carbon	Karbon / Carbon
M-HR070 05T/1	Titan / Titanium	Titan / Titanium	Karbon / Carbon
M-HR070 05C/1	Titan / Titanium	Karbon / Carbon	Karbon / Carbon
M-HR070 02T/1	VA / Stainless steel	Titan / Titanium	Karbon / Carbon
M-HR070 02SS/1	VA / Stainless steel	VA / Stainless steel	Karbon / Carbon
M-HR070 02C/1	VA / Stainless steel	Karbon / Carbon	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. Allgemeine Angaben (Fortsetzung) / General information (continuation)**

- 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 / *not applicable*
- 0.5. Nr. des Beschreibungsbogens /  
*No. of information document:* M-HR070  
Ausgabedatum / *Date:* 06.04.2022
- 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 2/02 / *see enclosure 2/02*

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

- 2.1. Art der Technischen Einheit /  
*Kind of technical unit:* unverändert / *without changes*
- 2.2. Ort der Kennzeichnung /  
*Place of marking:* unverändert / *without changes*
- 2.3. Zusammenstellung der techn. Einheit /  
*Composition of the separate*  
*technical unit:* siehe Anlage 1/02 / *see enclosure 1/02*
- 2.4. Lage und Richtung der Auspuffmündung /  
*Position and direction of the tail pipe:* unverändert / *without changes*

**3. Prüfprotokoll / Test report**

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

Versuchsreihe B / Series B: (Ifd. Nr. / no. 8, Messdatum / *Date* 15.12.2021)



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

#### 3.1. Fahrzeug / Vehicle

3.1.1. Typ / Type:	KTM CV1 Duke
3.1.1.1 Variante / Version / Variant / Version:	A / -
3.1.1.2 Fahrzeugkategorie / Category:	L3e-A3
3.1.1.3 Handelsbezeichnung / Model:	KTM 790 Duke
3.1.2. Hersteller / Manufacturer:	KTM (A)
3.1.3. Genehmigungs-Nr. / Homologation no.:	e1*168/2013*00301*
3.1.3.1 Nachtrag bzw. Erweiterung / Extension:	00
3.1.4. Fahrzeugidentifizierungsnummer / Vehicle identification no.:	LCETU7P32NM700010
3.1.5. Baujahr / Year of manufacture:	2021
3.1.6. Km-Stand / Kilometers:	25
3.1.7. Zul. Gesamtgewicht / Total weight:	430kg

#### 3.2. Antriebsmaschine / Engine

3.2.1. Hersteller / Manufacturer:	KTM
3.2.2. Typ / Type:	A654
3.2.3. Hubraum / Engine capacity:	799cm <sup>3</sup>
3.2.4. Höchstleistung / Max. net power:	77 kW bei / at 9250 min <sup>-1</sup>
3.2.5. Max. Drehmoment / Max. net torque:	87 Nm bei / at 8000 min <sup>-1</sup>

#### 3.3. Kraftübertragung / Transmission

3.3.1. Art der Kraftübertragung / Kind of transmission:	mechanisch / mechanical
3.3.4. Getriebe / Gearbox:	6-Gang-manuell / 6-gear-manual
3.3.5. Übersetzungsverhältnisse / Transmission ratios primär / primary / sekundär / secondary:	1,923 / 2,563
Höchstgeschwindigkeit / Top speed:	235 km/h
Reifen / Tires: vorne / front: hinten / rear:	Maxxis Supermaxx 120/70 ZR17 58W 180/55 ZR17 73W

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

**3.4. Zusammenbau der Auspuffanlage / Assembly of the exhaust system  
(Teile lfd. Nr. lt. Anlage 1/02 / no. of parts acc. enclosure 1/02)**

Versuchsreihe B / Series B: 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 41.04 /  
*according ECE-R 41.04*
- 3.5.4. Beladungszustand bei der Fahr-  
geräuschmessung /  
*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**

durch Druckschwingungen / *by pulsation*



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

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

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

- 3.8.1. Geräusche / *Noise testing*
- 3.8.2. Leistung / *Power measurement*
- 3.8.3. Höchstgeschwindigkeit / *Top speed*



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

Aufgrund der Messung mit dem/n o.g. Fahrzeug/en können auch die in Anlage 2/02 aufgeführten Krafräder, 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 less performance mentioned in enclosure 2/02 can be taken into the field of application due to the meas-urement with the above-named motorcycle/s.*

- 3.8.4. Die beschriebene Nicht-Originalauspuffanlage / Technische Einheit darf an den in der Anlage 2/02 aufgeführten Kraftfahrzeugen unter den dort genannten Bedingungen verwendet werden. /  
*The described non-original exhaust system / technical unit is suitable for an applica-tion at the vehicles listed in enclosure 2/02.*

- 3.8.5. Die allgemeinen Spezifikationen gemäß (EU) 134/2014; Anhang IX; Anlage 2; Abschnitt 3.5.1. werden durch die Nicht-Originalauspuffanlage als technische Einheit erfüllt. /  
*The general specifications regarding (EU) 134/2014; Annex IX; Appendix 2; Clause 3.5.1. are fulfilled by the non-original exhaust system as technical unit.*

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

Anlage 1/02, Teile der technischen Einheit <i>Enclosure 1/02, Composition of the separate technical unit</i>	(1 Seite / Page)
Anlage 2/02, Verwendungsbereich <i>Enclosure 2/02, Field of application</i>	(2 Seiten / Pages)
Anlage 3/02, Ergebnisse der Geräusch- und Leistungsmessungen <i>Enclosure 3/02, Results of noise testing and power measurements</i>	(1 Seite / Page)
Anlage, Protokoll Geräuschmessung (Bericht-Nr: S5220001-00) <i>Enclosure, protocol noise test (Report no: S5220001-00)</i>	(12 Seiten / Pages)
Anlage, Leistungskurve (KTM 790 Duke) <i>Enclosure, Performance diagram (KTM 790 Duke)</i>	(1 Seite / Page)

## 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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Kraftfahrt-Bundesamt (KBA)	Deutschland Germany	KBA-P 00100-10
Vehicle Certification Agency (VCA)	Vereinigtes Königreich United Kingdom	VCA-TS-006
Approval Authority of the Netherlands (RDW)	Niederlande The Netherlands	RDWT-082-xx
National Standards Authority of Ireland (NSAI)	Irland Ireland	Technical Service Number: 49
Vehicle Safety Certification Center (VSCC)	Taiwan Taiwan	DE04-06-2
Société Nationale de Certification et d'Homologation s.à r.l. (SNCH)	Luxemburg Luxembourg	13/B(g)

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

München, 07.04.2022



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



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Prüfbericht Nr. / Test report No.: 19-00081-CM-GBM-02  
 Hersteller / Manufacturer: Akrapovič, d.d., SLO-1295 Ivančna Gorica  
 Typ / Type: M-HR070



Auto Service

**ANLAGE 1/02**  
**ENCLOSURE 1/02**

**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, Vorschalldämpfer mit Katalysator / Header pipes, pre-silencer with catalytic converter	Originalteile / Original parts	-
2a)	Schalldämpfer / Silencer (Eintrittsrohr / Inlet pipe Ø 52,9 Austrittsrohr / Outlet pipe Ø 40)	hexagonal / hexagonal 111,9 x 141,9 Länge ohne Endkappen / Length without endcaps 380	M-HR070 e26*08144*G E26 92R-02 8144

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Prüfbericht Nr. / Test report No.: 19-00081-CM-GBM-02  
 Hersteller / Manufacturer: Akrapovič, d.d., SLO-1295 Ivančna Gorica  
 Typ / Type: M-HR070



**ANLAGE 2/02**  
**ENCLOSURE 2/02**

**Verwendungsbereich / Field of application**

Die Fahrzeuge erfüllen - bezugnehmend auf ihre Fahrzeugtypgenehmigung - die Umweltafordersstufen: Euro (4/5)  
 The vehicles fulfil - regarding their Whole Vehicle Type Approval (WVTA) - the environmental steps: Euro (4/5)

Lfd. Nr.	Hersteller	Fabrikmarke	Handelsbezeichnung	Fahrzeugtyp ab Genehmigung Nr.	Var. Vers.	Motortyp 4 Takt	Hubraum in cm <sup>3</sup>	Nennleistung kW/min <sup>-1</sup>	Sonstige bestimmende Merkmale	Anordnung entspr. Anl. 1/02 lfd. Nr.
No. of vehicle	Manufacturer	Trade mark	Commercial description	Vehicle type beginning with no. of homologation	Var. Vers.	Engine type 4 Stroke	Engine capacity in cm <sup>3</sup>	max. engine power kW/min <sup>-1</sup>	Additional remarks	Composition reg. enclosure no. 1/02
1)	KTM (A)	KTM	Duke 890 R	KTM R2 Duke e1*168/2013*00063*	alle / all	636	899	89/9250	mit Kat.*) / with cat. *)	1)2a)
2)			Duke 890 R	KTM 790 Duke		636	899	89/9250		
3)			Duke 890	e1*168/2013*00063*		636	899	85/9000		
4)			Duke 890 R	KTM 790 Duke		636	889	89/9250		
5)			Duke 890	e1*168/2013*00063*		636	889	85/9000		
6)			Duke 890 L	KTM 790 Duke L e1*168/2013*00083*		636	889	70/8000		
7)			Duke 890 L	KTM 790 Duke L e1*168/2013*00084*		636	889	35/4500		



Prüfbericht Nr. / Test report No.: 19-00081-CM-GBM-02  
 Hersteller / Manufacturer: Akrapovič, d.d., SLO-1295 Ivančna Gorica  
 Typ / Type: M-HR070



Auto Service

**ANLAGE 2/02**  
**ENCLOSURE 2/02**

**Verwendungsbereich / Field of application**

Lfd. Nr.	Hersteller	Fabrikmarke	Handelsbezeichnung	Fahrzeugtyp ab Genehmigung Nr.	Var. Vers.	Motortyp 4 Takt	Hubraum in cm <sup>3</sup>	Nennleistung kW/min <sup>-1</sup>	Sonstige bestimmende Merkmale	Anordnung entspr. Anl. 1/02 lfd. Nr.
No. of vehicle	Manufacturer	Trade mark	Commercial description	Vehicle type beginning with no. of homologation	Var. Vers.	Engine type 4 Stroke	Engine capacity in cm <sup>3</sup>	max. engine power kW/min <sup>-1</sup>	Additional remarks	Composition reg. enclosure no. 1/02
8)	KTM (A)	KTM	KTM 790 Duke	KTM CV1 Duke e1*168/2013*00301*	alle / all	A654	799	77/9250	mit Kat.*) / with cat. *)	1)2a)
9)			KTM 790 Duke L	KTM CV2 Duke e1*168/2013*00302*				70/7750		
10)			KTM CV2 Duke e1*168/2013*00303*	35/4500						

\*) 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.

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**ANLAGE 3/02**  
**ENCLOSURE 3/02**

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

Lfd. Nr. Fahrzeug /	Leistung Serie kW/min <sup>-1</sup> /	Leistung Austausch kW/min <sup>-1</sup> /	V <sub>max</sub> Serie km/h /	V <sub>max</sub> Aus- tausch km/h /	Fahrgeräusch in dB(A) / Sound level driving vehicle in dB(A)					Standgeräusch in dB(A) / Sound level stationary vehicle in dB(A)			
					gemessen in Gang /	Grenz- wert *) /	Serie gemes- sen **) /	Austausch gemessen **) /	bei km/h /	lt. Fzg. BE /	Serie gemes- sen **) /	Austausch gemessen **) /	bei min <sup>-1</sup> /
No. of vehicle	Engine power original kW/min <sup>-1</sup>	Engine power non-original kW/min <sup>-1</sup>	V <sub>max</sub> original km/h	V <sub>max</sub> non original km/h	measured in gear ratio	Limit value *) SLEU4	original mea- sured **) / Lurban	non- original measured **) / Lurban	at km/h	Vehicle type hom.	original mea- sured **) /	non- original measured **) /	at min <sup>-1</sup>
8) B:	77/9250	77/9250	-	-	3 + 4	77	77,6	77,9	50	92	92,2	91,8	4625

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

\*\*) Betriebsart / Operating mode: Street

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