



**CERTIFIKAT O ECE-HOMOLOGACIJI**  
**ECE COMPONENT TYPE-APPROVAL CERTIFICATE**

Sporočilo o podeljeni homologaciji za tip vozila glede na tip nadomestnega sistema za dušenje zvoka NORESS ali sestavnega dela v skladu s Pravilnikom št. 92 R, Amandma 01, Dodatek 02

*Communication concerning approval granted of a vehicle type with regard to a type of NORESS or component thereof pursuant to Regulation No. 92 R, Amendment 01, Supplement 02*

Homologacijska št.: **E26 92 R 01/02 8144**  
*Approval No.:*

Razširitev št.: **00**  
*Extension No.:*

- |  |  |
|--|--|
| 1. Blagovno ime ali znamka motocikla:<br><i>Trade name or mark of the motorcycle:</i>  | KTM  |
| 2. Tip motocikla:<br><i>Motorcycle type:</i>   | KTM R2 Duke<br>(e1*168/2013*00063*01)  |
| 3. Ime in naslov proizvajalca:<br><i>Manufacturer's name and address:</i>  | KTM AG<br>Stallhofnerstraße 3<br>AT-5230 Mattighofen<br>Austria                              |
| 4. Če pride v poštev, ime in naslov predstavnika proizvajalca:<br><i>If applicable, name and address of manufacturer's representative:</i> | /  |
| 5. Motor<br><i>Engine</i>  |  |
| 5.1. Proizvajalec:<br><i>Manufacturer:</i>   | KTM AG   |
| 5.2. Tip:<br><i>Type:</i>  | glej poročilo o preskusu 19-00082-CM-GBM-00<br><i>see the test report 19-00082-CM-GBM-00</i> |
| 5.3. Model:<br><i>Model:</i>   | /  |
| 5.4. Največja nazivna moč:<br><i>Rated maximum net power:</i>  | 89 kW / 9250 min <sup>-1</sup>   |
| 5.5. Vrsta motorja:<br><i>Kind of engine:</i>  | na prisilni vžig<br><i>positive-ignition</i>   |

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5.6.	Način delovanja: <i>Cycles:</i>	štiritaktni <i>four-stroke</i>
5.7.	Prostornina valja: <i>Cylinder capacity:</i>	899 cm <sup>3</sup>
6.	Menjalnik <i>Transmission</i>	
6.1.	Vrsta menjalnika: <i>Type of transmission:</i>	ročni menjalnik <i>manual transmission</i>
6.2.	Število prestav: <i>Number of gears:</i>	6 prestav <i>6 gears</i>
7.	Oprema <i>Equipment</i>	
7.1.	Dušilnik zvoka <i>Exhaust silencer</i>	
7.1.1.	Proizvajalec ali pooblaščen zastopnik (če obstaja): <i>Manufacturer or authorized representative (if any):</i>	AKRAPOVIC D.D.
7.1.2.	Model: <i>Model:</i>	/
7.1.3.	Tip: <i>Type:</i>	M-HR070
	v skladu s številko risbe: <i>in accordance with drawing No.:</i>	M-HR070_HOM_MUFFLER
7.2.	Dušilnik zvoka na sesalni strani <i>Intake silencer</i>	originalen <i>original</i>
7.2.1.	Proizvajalec ali pooblaščen zastopnik (če obstaja): <i>Manufacturer or authorized representative (if any):</i>	AKRAPOVIC D.D.
7.2.2.	Model: <i>Model:</i>	/
7.2.3.	Tip: <i>Type:</i>	/
	v skladu s številko risbe: <i>in accordance with drawing No.:</i>	/
8.	Uporabljene prestave za izvajanje meritev v vožnji: <i>Gears used for test of motor cycle in motion:</i>	3 in 4 <i>3 and 4<sup>th</sup> gear</i>
9.	Končno prestavno razmerje(a): <i>Final drive ratio(s):</i>	1,923 / 2,563
10.	ECE homologacijska številka pnevmatik(e): <i>ECE type approval number of tyre(s):</i>	ni navedeno <i>no specification</i>
	Če ni na voljo, navesti naslednje podatke:	

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If not available, the following information shall be provided:

10.1. Proizvajalec pnevmatik: <i>Tyre manufacturer:</i>	1. os: Michelin, 2. os: Michelin <i>1<sup>st</sup> axle: Michelin, 2<sup>nd</sup> axle: Michelin</i>
10.2. Trgovska oznaka(e) tipa pnevmatik (po oseh), (npr: tovarniška oznaka, hitrostni razred in razred nosilnosti):  <i>Commercial description(s) of the type of tyre (by axle), (e.g. trade name, speed index, load index):</i>	1. os: Power Cup Hitrostni razred: /, Razred nosilnosti: / 2. os: Power Cup Hitrostni razred: /, Razred nosilnosti: /  <i>1<sup>st</sup> axle: Power Cup Speed index: /, Load index: / 2<sup>nd</sup> axle: Power Cup Speed index: /, Load index: /</i>
10.3. Velikost pnevmatik (po oseh):  <i>Tyre size (by axle):</i>	1. os: 120/70 ZR17 58W 2. os: 180/55 ZR17 73W <i>1<sup>st</sup> axle: 120/70 ZR17 58W 2<sup>nd</sup> axle: 180/55 ZR17 73W</i>
10.4. Druge homologacijske številke (če so na voljo): <i>Other type approval number (if available):</i>	/
11. Mase <i>Masses</i>	
11.1. Največja tehnično dovoljena masa: <i>Maximum permissible gross weight:</i>	430 kg
11.2. Testna masa: <i>Test mass:</i>	256,5 kg
11.3. Indeks razmerja moči in mase (PMR): <i>Power to mass ratio index (PMR):</i>	339,7
12. Dolžina vozila: <i>Vehicle length:</i>	2 m
12.1. Referenčna dolžina $l_{ref}$ : <i>Reference length <math>l_{ref}</math>:</i>	2 m
13. Hitrost vozila pri meritvah v prstavi (i) <i>Vehicle speeds of measurements in gear (i)</i>	
13.1. Hitrost vozila na začetku pospeševalnega cikla (povprečje 3 pospeševanj) za prestavo (i): <i>Vehicle speed at the beginning of the period of acceleration (average of 3 runs) for gear (i):</i>	34,7 km/h
13.2. Dolžina pred začetkom pospeševanja za prestavo (i): <i>Pre-acceleration length for gear (i):</i>	0 m
13.3. Hitrost vozila $v_{PP}$ (povprečje 3 pospeševanj) za prestavo (i): <i>Vehicle speed <math>v_{PP}</math> (average of 3 runs) for gear (i):</i>	49,7 km/h

13.4.	Hitrost vozila $v_{BB'}$ (povprečje 3 pospeševanj) za prestavo (i): <i>Vehicle speed <math>v_{BB'}</math> (average of 3 runs) for gear (i):</i>	63,9 km/h
14.	Hitrosti vozila pri meritvah v prestavi (i+1) (če pride v poštev) <i>Vehicle speeds of measurements in gear (i+1) (if applicable)</i>	
14.1.	Hitrost vozila na začetku pospeševalnega cikla (povprečje 3 pospeševanj) za prestavo (i+1): <i>Vehicle speed at the beginning of the period of acceleration (average of 3 runs) for gear (i+1):</i>	39,7 km/h
14.2.	Dolžina pred začetkom pospeševanja za prestavo (i+1): <i>Pre-acceleration length for gear (i+1):</i>	2 m 2 m
14.3.	Hitrost vozila $v_{PP'}$ (povprečje 3 pospeševanj) za prestavo (i+1): <i>Vehicle speed <math>v_{PP'}</math> (average of 3 runs) for gear (i+1):</i>	50,0 km/h
14.4.	Hitrost vozila $v_{BB'}$ (povprečje 3 pospeševanj) za prestavo (i+1): <i>Vehicle speed <math>v_{BB'}</math> (average of 3 runs) for gear (i+1):</i>	60,9 km/h
15.	Pospeški so izračunani med linijami AA' in BB'/PP' in BB' <i>Accelerations are calculated between lines AA' and BB'/PP' and BB'</i>	
15.1.	Opis delovanja naprav za stabilizacijo pospeševanja (če pride v poštev): <i>Description of functionality of devices used to stabilize the acceleration (if applicable):</i>	ne pride v poštev <i>not applicable</i>
16.	Ravni hrupa v vožnji <i>Noise levels of moving vehicle</i>	
16.1.	Rezultati merjenja pri polnem plinu $L_{wot}$ : <i>Wide-open-throttle test result <math>L_{wot}</math>:</i>	82,6 dB(A)
16.2.	Rezultati merjenja v vožnji $L_{crs}$ : <i>Constant speed test results <math>L_{crs}</math>:</i>	73,7 dB(A)
16.3.	Delni faktor moči $k_p$ : <i>Partial power factor <math>k_p</math>:</i>	0,52
16.4.	Končni rezultat merjenja $L_{urban}$ : <i>Final test result <math>L_{urban}</math>:</i>	78,0 dB(A)

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17. Raven hrupa v mirovanju <i>Noise level of stationary vehicle</i>	
17.1. Pozicija in smer mikrofona (skladno z dodatkom 2, Priloga 3, pravilnika ECE 41 R, amandma 04):  <i>Position and orientation of microphone (according to Appendix 2 of Annex 3 of 04 series of regulation No. 41):</i>	glej točko 3.5.3. poročila o preskusu 19-00082-CM-GBM-00  <i>see point 3.5.3. of the test report 19-00082-CM-GBM-00</i>
17.2. Rezultat merjenja v mirovanju: <i>Test result for stationary test:</i>	92 dB(A) / 4625 min <sup>-1</sup>
18. Dodatne določbe za emisije hrupa:  <i>Additional sound emission provisions:</i>	glej točko 3.5.3. poročila o preskusu 19-00082-CM-GBM-00 in priložene risbe <i>see point 3.5.3. of the test report 19-00082-CM-GBM-00 and attached drawings</i>
19. Referenčna skladnost podatkov v uporabi <i>In-use compliance reference data</i>	
19.1. Za meritev izbrana prestava (i) ali, izbrana lega izbirnika prestave, pri vozilih z varibalinim menjalnikom: <i>Gear (i) or, for vehicles tested with non-locked gear ratios, the position of the gear selector chosen for the test:</i>	3  <i>3<sup>rd</sup> gear</i>
19.2. Dolžina pred začetkom pospeševanja $l_{PA}$ : <i>Pre-acceleration length <math>l_{PA}</math>:</i>	0 m
19.3. Hitrost vozila na začetku pospeševalnega cikla (povprečje 3 pospeševanj) za prestavo (i): <i>Vehicle speed at the beginning of the period of acceleration (average of 3 runs) for gear (i):</i>	34,7 km/h
19.4. Raven zvočnega tlaka $L_{wot(i)}$ : <i>Sound pressure level <math>L_{wot(i)}</math>:</i>	82,6 dB(A)
20. Datum predložitve vozila v postopek homologacije: <i>Date of submission of vehicle for approval:</i>	25.10.2019

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21. Tehnična služba odgovorna za homologacijske preskuse:  
*Technical service responsible for conducting approval tests:* TÜV SÜD Auto Service GmbH  
Westendstraße 199  
D-80686 München  
Germany
22. Datum poročila o preskusu, ki ga je izdala ta služba:  
*Date of test report issued by that Service:* 08.01.2020
23. Številka poročila o preskusu, ki ga je izdala ta služba:  
*Number of test report issued by that Service:* 19-00082-CM-GBM-00
24. Homologacija:  
*Approval:* **podeljena**  
**granted**
25. Mesto homologacijske oznake na vozilu:  
*Position of approval mark on the vehicle:* vgravirano z laserjem / tablica  
pritrjena s kovicami  
*engraved by laser / plate fixed with rivets*
26. Kraj:  
*Place:* 1000 LJUBLJANA
27. Datum:  
*Date:* 27.01.2020
28. Podpis:  
*Signature:*   
mag. Tomaž Svetina, univ. dipl. inž.  
vodja sektorja za vozila
29. 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. E8144 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 E8144 Rev.00**



*This Approval shall apply to a type of non-original replacement exhaust silencing systems (RESS) or its components from serial production under the following conditions:*

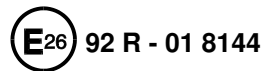
*Individual products from serial production shall comply at least with all requirements set out in the Regulation No. 92 R, Amendment 01, Supplement 02 "Uniform provisions concerning the approval of non-original replacement exhaust silencing systems (RESS) for motorcycles, mopeds and three-wheeled vehicles".*

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

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

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

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



*The design and size of the approval marking shall meet the requirements of the Regulation No. 92 R.*

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

*The approval marking on the product must be attached at the place indicated in the approval documentation. Location of the approval marking shall be selected in such way that the marking is clearly readable even when installed on a vehicle.*

*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.*

27.01.2020



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





**KAZALO OPISNE DOKUMENTACIJE E8144**  
**INDEX TO THE INFORMATION PACKAGE E8144**

Revision: 00

Homologacijska številka: **E26 92 R 01/02 8144**  
Approval number:

Razširitev številka: **00**  
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	29

Poročilo o preskusu: **19-00082-CM-GBM-00**  
Test report:

Število strani: **14**  
Number of pages:

datum izdaje: **08.01.2020**  
date of issue:

datum zadnje spremembe: /  
date of latest amendment:

Opisni list/Tehnični opis naprave: /  
Information document/Technical description of the device:

Število strani:  
Number of pages:

datum izdaje:  
date of issue:

datum zadnje spremembe: /  
date of latest amendment:

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

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

datum zadnje spremembe: /  
date of latest amendment:

Navodila za vgradnjo in uporabo:  
Mounting and handling instructions:

Število strani: **11**  
Number of pages:

datum zadnje spremembe: /  
date of latest amendment:

Ostala dokumentacija:  
Other documentation:

Število strani: **1**  
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 approval against **ECE-R92 01** for the following product:  
Exhaust system for Motorcycles:

Type: **M-HR070**

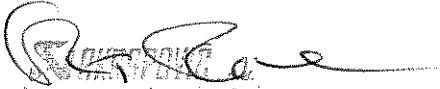
Version: **M-HR070 05TBL (Ti / Ti / Ca)**  
**M-HR070 05SSBL (Ti / SS / Ca)**  
**M-HR070 05CBL (Ti / Ca / Ca)**  
**M-HR070 02TBL (SS / Ti / Ca)**  
**M-HR070 02SSBL (SS / SS / Ca)**  
**M-HR070 02CBL (SS / Ca / Ca)**  
**M-HR070 05T (Ti / Ti / Ca)**  
**M-HR070 05SS (Ti / SS / Ca)**  
**M-HR070 05C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

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: 20.09.2019



Techn.Bericht Nr. / *Techn. Report No.*: 19-00082-CM-GBM-00  
Hersteller / *Manufacturer*: Akrapovic, Malo Hudo 8a, 1295 Ivančna Gorica  
Slovenia  
Typ / *Type*: M-HR070

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# PRÜFBERICHT TEST REPORT

## Nr. / *no.* 19-00082-CM-GBM-00

über die Prüfung einer Nicht-Originalauspuffanlage oder  
von Einzelteilen hiervon als Technische Einheit für Krafträder gemäß  
ECE-R 92 Revision 1,  
Ergänzung 2 zur Änderungsserie 01  
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 Revision 1,  
Supplement 2 to the 01 series of amendments  
Uniform provisions concerning the approval of non-original replacement exhaust silencing  
systems (RESS) for motorcycles, mopeds and three-wheeled vehicles.*

Genehmigungsstand / <i>Approval status</i>		
<input checked="" type="checkbox"/>	Erteilung einer Typgenehmigung <i>Granting of a type approval</i>	<b>E26 92R-01 8144*00</b>
<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:* -



**0. Allgemeine Angaben / *General information***

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

0.2. Typ / *Type*: M-HR070

0.2.1 Ausführungen / *Variants*

Ausführungen / <i>Variants</i>	Material / <i>Material</i>		
	Rohre / <i>Tubes</i>	Außenmantel / <i>Sleeve</i>	Endkappe / <i>End cap</i>
M-HR070 05TBL	Titan / <i>Titanium</i>	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>
M-HR070 05SSBL	Titan / <i>Titanium</i>	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>
M-HR070 05CBL	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>	Karbon / <i>Carbon</i>
M-HR070 02TBL	VA / <i>Stainless steel</i>	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>
M-HR070 02SSBL	VA / <i>Stainless steel</i>	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>
M-HR070 02CBL	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>	Karbon / <i>Carbon</i>
M-HR070 05T	Titan / <i>Titanium</i>	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>
M-HR070 05SS	Titan / <i>Titanium</i>	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>
M-HR070 05C	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>	Karbon / <i>Carbon</i>
M-HR070 02T	VA / <i>Stainless steel</i>	Titan / <i>Titanium</i>	Karbon / <i>Carbon</i>
M-HR070 02SS	VA / <i>Stainless steel</i>	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>
M-HR070 02C	VA / <i>Stainless steel</i>	Karbon / <i>Carbon</i>	Karbon / <i>Carbon</i>

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

*The variants vary, because different materials are used. The basic construction remains the same. The acoustic behaviour is similar.*



Techn.Bericht Nr. / *Techn. Report No.*: 19-00082-CM-GBM-00  
Hersteller / *Manufacturer*: Akrapovic, Malo Hudo 8a, 1295 Ivancna Gorica  
Slovenia  
Typ / *Type*: M-HR070

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- 0.3. Name und Anschrift des Herstellers /  
*Name and address of manufacturer*: Akrapovic d.d.  
Malo Hudo 8a  
1295 Ivancna Gorica  
Slovenia
- 0.4. Name und Anschrift des Beauftragten /  
*Name and address of authorised agent*: entfällt / *not applicable*
- 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 Anlage Technische Dokumentation  
*See Enclosure, Technical documentation*
- 2.2. Ort der Kennzeichnung/  
*Place of marking*: Lasergravur auf Endkappe / Typschild aufgenietet  
*Engraved by laser / plate fixed with rivets*
- 2.3. Zusammenstellung der technischen Einheit /  
*Composition of the separate  
technical unit*: siehe Anlage 1 / *notice enclosure 1*
- 2.4. Lage und Richtung der Auspuffmündung:  
*Position and direction of the tail pipe*: rechts seitlich nach hinten  
*at the right side to the rear*
- 2.5. Prüfmuster eingegangen am:  
*Test samples submitted for testing at*: 25.10.2019



Techn.Bericht Nr. / *Techn. Report No.:* 19-00082-CM-GBM-00  
Hersteller / *Manufacturer:* Akrapovic, Malo Hudo 8a, 1295 Ivancna Gorica  
Slovenia  
Typ / *Type:* M-HR070

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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:* KTM R2 Duke  
3.1.1.1 Variante / *Version / Variant / Version:* B / -  
3.1.1.2 Fahrzeugkategorie / *Category:* L3e-A3  
3.1.1.3 Handelsbezeichnung / *Model:* KTM 890 Duke R  
3.1.2. Hersteller / *Manufacturer:* KTM AG  
3.1.3. Genehmigungs-Nr. / *Homologation no.:* e1\*168/2013\*00063\*  
3.1.3.1 Nachtrag bzw. Erweiterung / *Extension:* 01  
3.1.4. Fahrzeugidentifizierungsnummer /  
*Vehicle identification no.:* VBK890P30LM800026  
3.1.5. Baujahr / *Year of manufacture:* 2019  
3.1.6. km-Stand / *Kilometers:* 941  
3.1.7. Zul. Gesamtgewicht / *total weight:* 430 kg

#### 3.2. Antriebsmaschine / *Engine*

3.2.1. Hersteller / *Manufacturer:* KTM  
3.2.2. Typ / *Type:* 636  
3.2.3. Hubraum / *Engine capacity:* 899 cm<sup>3</sup>  
3.2.4. Höchstleistung / *engine net power:* 89 kW bei / *at* 9250 min<sup>-1</sup>  
3.2.5. max. Drehmoment / *net torque:* 99 Nm bei / *at* 7750 min<sup>-1</sup>

#### 3.3. Kraftübertragung / *Transmission*

3.3.1. Art der Kraftübertragung /  
*Kind of transmission:* mechanisch / *mechanical*  
3.3.4. Getriebe / *Gearbox:* manuell / *manual*  
3.3.5. Übersetzungsverhältnisse /  
*Transmission ratios:*  
primär / *primary* / sekundär / *secondary* 1,923 / 2,563  
Höchstgeschwindigkeit / *Top speed:* 239 km/h  
Reifen / *Tires:* Michelin Power Cup  
vorne / *front* 120/70 ZR17 58W  
hinten / *rear* 180/55 ZR17 73W

#### 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)



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Hersteller / *Manufacturer*: Akrapovic, Malo Hudo 8a, 1295 Ivancna Gorica  
Slovenia  
Typ / *Type*: M-HR070

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### 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 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 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: L3e  
*Not applicable, because vehicle category: L3e*

### 3.7. Konditionierung der Auspuffschalldämpferanlage / *Conditioning*

durch Druckschwingungen / *by pulsation*



### **3.8. Messung der Schadstoffemissionen / *Pollution Test***

Auf eine Messung des Abgasverhaltens konnte verzichtet werden, da der original Katalysator unverändert im Abgassystem verbleibt. Eine Verschlechterung des Abgasverhaltens ist nicht zu erwarten.

*The Pollution test was not necessary because the original catalytic converter remains without any changes in the exhaust system. A degradation of catalyst efficiency is not expected.*

### **3.9. Ergebnisse / *Test results***

Die Ergebnisse der Prüfungen hinsichtlich / *The results of*

#### **3.9.1. Geräusche / *Sound testing***

#### **3.9.2. Leistung / *Power measurement***

#### **3.9.3. Höchstgeschwindigkeit / *Top speed***

#### **3.9.4. Abgasverhalten / *Pollution test***

sind der als Anlage 3 und 4 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 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, 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 Kraftfahrzeugen unter den dort genannten Bedingungen verwendet werden. /**

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

#### **3.9.6. 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 fulfilled.*

### **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, Leistungskurve

*Enclosure, Performance diagram*

Anlage, Protokoll Geräuschmessung

*Enclosure, protocol noise test*





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Anlage <i>Enclosure</i>	Zeichnung Nr. <i>Drawing no.</i>	Datum <i>Date</i>	Seiten <i>Pages</i>
Zeichnung Schalldämpfer <i>Drawing silencer</i>	M-HR070	19.11.2019	1
Stückliste <i>Part list</i>	M-HR070	-	1
Zusammenstellungszeichnung <i>Assembly drawing</i>	KTM Duke 890 R	-	1
Montageanleitung <i>Installation instructions</i>	KTM 890 Duke	11/2019	10
ASEP Bestätigung <i>Statement of compliance ASEP</i>	-	11.11.2019	1

## 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".*

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München, 08.01.2020



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

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**ANLAGE 1**  
**ENCLOSURE 1**

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

19-00082-CM-GBM-00  
M-HR070  
Akrapovic, Malo Hudo 8a  
1295 Ivancna Gorica, Slovenia

**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)	Krümmerröhre, Vorschalldämpfer mit Katalysator / <i>header pipes, presilencer with catalytic converter</i>	Originalteile / <i>original parts</i>	-
2)	Schalldämpfer / <i>silencer</i> (Austrittsrohr / <i>outlet pipe</i> Ø 40)	hexagonal / <i>hexagonal</i> 111,9 x 141,9 Länge ohne Endkappen / <i>length without endcaps</i> 380	M-HR070 e26*08144*G E26 92R-01 8144



**ANLAGE 2**  
**ENCLOSURE 2**

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

**19-00082-CM-GBM-00**  
**M-HR070**  
**Akrapovic, Malo Hudo 8a**  
**1295 Ivančna Gorica, Slovenia**

**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 <sup>3</sup>	Nennleistung kW/min <sup>-1</sup>	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 cm<sup>3</sup></i>	<i>max. engine power kW/min<sup>-1</sup></i>	<i>Additional remarks</i>	<i>Composition reg. enclosure no. 1</i>
1)	KTM AG	KTM	890 Duke R	KTM R2 Duke e1*168/2013*00063*01	alle / all	636	899	89/9250	mit Kat.*) / with cat.	1)2)

\*) Die serienmäßigen Katalysatoren bleiben 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.*

**ANLAGE 3  
ENCLOSURE 3**

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

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Akrapovic d.d.,  
1295 Ivančna Gorica, Slovenia**

**Ergebnis der Prüfungen / Test results**

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Lfd.Nr.	Leistung		Vmax	Vmax	Fahrgeräusche in dB(A) / Sound levels driving vehicle in dB(A)					Standgeräusche in dB(A) / Sound levels stationary vehicle in dB(A)			
	Serie kW/min <sup>-1</sup>	Austausch kW/min <sup>-1</sup>	Serie km/h	Aus- tausch km/h	gemes- sen 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>	Vmax original km/h	Vmax non original km /h	measured in gear ratio	Limit Value **) SLEU4	Original mea- sured L <sub>urban</sub>	Non original measured L <sub>urban</sub>	at km/h	Vehicle type hom.	Original mea- sured	Non original measured	at min <sup>-1</sup>
1) A*	89/9250	89/9250	-	-	3 + 4	77	78	78	50	96	93	92	4625

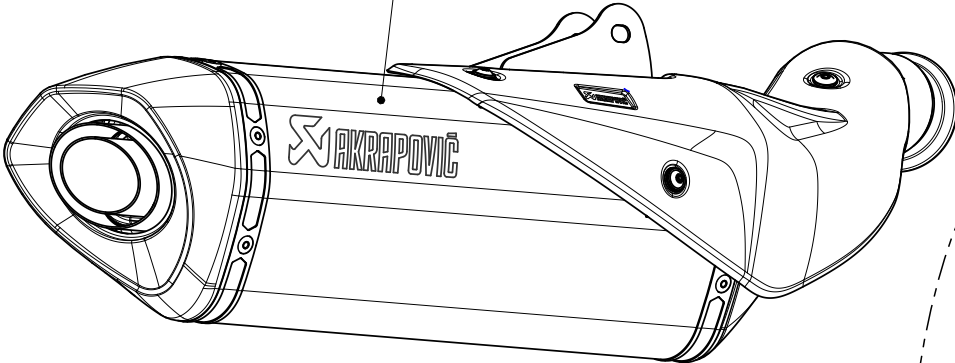
\*) Versuchsreihe / test series

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

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

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

MUFFLER  
M-HR070  
e26\*08144\*G  
E26 92R-01 8144



ORIGINAL PARTS  
with catalytic converter

