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# **TYPE-CERTIFICATE DATA SHEET FOR NOISE**

**No. EASA.A.642** 

for

**Bristell B23** 

**Type Certificate Holder:** BRM Aero s.r.o. Letecká 255 686 04 Kunovice Czech Republic

For models: Bristell B23 Bristell B23-915 Bristell B23-915 IFR



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Type Certificate Holder<sup>1</sup> BRM Aero s.r.o. Aircraft Type Designation<sup>1</sup> Bristell B23

Engine Manufacturer<sup>1</sup> BRP - Rotax GmbH & Co.KG Engine Type Designation<sup>1</sup> Rotax 912 S3

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 7 / Amendment 11-B Chapter<sup>1</sup> 10 (10.4b)

EACA	Dranallar		Additional modifications essential to meet	Maximum	Take-Off dB(A)		- See Note
Record No. Propeller Propeller Type Designation  Manufacturer <sup>1</sup>		Propeller Type Designation <sup>1</sup>	the requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	
C14362	MT-Propeller Entwicklung GmbH	MTV-34-1-A/175-200	Muffler: BRM Aero s.r.o. 71B240000N Standard exhaust system	750	69.2	74.2	-

<sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **Bristell B23** BRM Aero s.r.o.

Engine Manufacturer<sup>1</sup> **BRP - Rotax GmbH & Co.KG** Engine Type Designation<sup>1</sup> Rotax 912 S3

Noise Certification Basis Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> 10 (10.4b) ICAO Annex 16, Volume I

EASA	Propollor		Additional modifications essential to meet	Maximum	Take-Off dB(A)		See Note
EASA Propeller Record No. Manufacturer <sup>1</sup>		Propeller Type Designation <sup>1</sup>	the requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	
C14531	MT-Propeller Entwicklung GmbH	MTV-34-1-A/175-200	ADxC-73-DC-012 (Installation of Exhaust Silencer System), Muffler: BRM Aero s.r.o. 71B240100N Exhaust silencer system	750	64.7	74.2	-

<sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **Bristell B23** BRM Aero s.r.o.

Engine Manufacturer<sup>1</sup> **BRP - Rotax GmbH & Co.KG** Engine Type Designation<sup>1</sup> Rotax 912 S3

Noise Certification Basis Edition / Amendment **Edition 8 / Amendment 13** Chapter<sup>1</sup> 10 (10.4b) ICAO Annex 16, Volume I

EASA	Dranallar		Additional modifications essential to meet	Maximum	Take-Off dB(A)		See
EASA Propeller Record No. Manufacturer <sup>1</sup>		Propeller Type Designation <sup>1</sup> the requirements or needed to attain to certificated noise levels <sup>1</sup>		Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C15319	MT-Propeller Entwicklung GmbH	ADxC-73-DC-110 (New exhaust), Muffler:  MTV-34-1-A/175-200  BRM Aero s.r.o. 71B241000N New standard exhaust system		750	66.3	74.2	-
C15320	MT-Propeller Entwicklung GmbH	MTV-34-1-A/175-200	ADxC-73-DC-115 (New exhaust with Silencer), Muffler: BRM Aero s.r.o. 71B241100N New standard exhaust system with silencer	750	64.9	74.2	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> Bristell B23-915 BRM Aero s.r.o.

Engine Manufacturer<sup>1</sup> **BRP - Rotax GmbH & Co.KG** Engine Type Designation<sup>1</sup> Rotax 915iSc3 ()

Noise Certification Basis Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> 10 (10.4b) ICAO Annex 16, Volume I

EASA	Dropollor		Additional modifications essential to meet	Maximum	Take-Off dB(A)		See Note
Record No. Propeller Propeller  Record No. Manufacturer <sup>1</sup>		Propeller Type Designation <sup>1</sup>	the requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	
C14597	MT-Propeller Entwicklung GmbH	MTV-34-1-A/175-200	Muffler: BRM Aero s.r.o. 71B540000N Exhaust Assy (BRM Aero)	750	64.9	74.2	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> Bristell B23-915 IFR BRM Aero s.r.o.

Engine Manufacturer<sup>1</sup> **BRP - Rotax GmbH & Co.KG** Engine Type Designation<sup>1</sup> Rotax 915iSc3A

Noise Certification Basis Edition / Amendment **Edition 8 / Amendment 13** Chapter<sup>1</sup> 10 (10.4b) ICAO Annex 16, Volume I

EASA	Propeller		Additional modifications essential to meet	Maximum	Take-Off dB(A)		See
Record No. Manufacturer <sup>1</sup> Propeller Type		Propeller Type Designation <sup>1</sup>	the requirements or needed to attain the certificated noise levels <sup>1</sup>		Level <sup>1</sup>	Limit	Note
C15361	MT-Propeller Entwicklung GmbH	MTV-6-A/175-51	ADxC-DC-73-027 [B23-915 IFR capability] (IFR Configuration / MTV6 175 Propeller), Muffler: BRM Aero s.r.o. 71B540000N Exhaust Assy (BRM Aero)	750	63.2	74.2	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



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#### **CS-36 Amendment level**

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

Note: This table is for information purposes only. It links the applicable noise requirements in Volume I of ICAO Annex 16 to the corresponding Appendices to that Volume, which were listed as acceptable means of compliance in CS-36. With the adoption of Regulation (EU) 2018/1139 (i.e. from Amendment 12 to Volume I of ICAO Annex 16) these Appendices became part of the applicable noise requirements. Their reference was removed in Amendment 6 to CS-36 and this table will not be updated further.

#### **TCDSN EASA.A.642 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



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## **Change Record**

Issue	Date	Changes
Issue 1	07 October 2020	Initial Issue
Issue 2	05 July 2021	Record C14531 added
Issue 3	13 January 2022	Model Bristell B23-915
Issue 4	25 March 2022	Record C14597: Revised Edition/Amendment of ICAO Annex 16
Issue 5	10 June 2024	Records C15319 and C15320 added.
Issue 6	09 December 2024	Record C15361 added.

