

## TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.027

for

**ZLIN Z 42 Series** 

Type Certificate Holder: ZLIN AIRCRAFT a.s.

Letiště 1887 765 02 Otrokovice CZECH REPUBLIC

For models: Z 142

Z 242 L Z 42 M Z 42 MU



TCDSN EASA.A.027 Page 2 of 12 Issue: 4 Date: 09 January 2018

## INTENTIONALLY LEFT BLANK

Page 3 of 12 Date: 09 January 2018 Issue: 4

Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> ZLIN AIRCRAFT a.s. Z 142

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Avia M 337 AK LOM praha, s.p.

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6

TACA.	EASA Propeller Propeller Type	Additional modifications essential to meet the	Maximum	Overflight dB(A)		<b>Soc</b>	
Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels	Take-off mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C4879	Avia Propeller Ltd.	V 500 A	none	1,090	72.4	74.5	-

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



Page 4 of 12 Date: 09 January 2018 Issue: 4

Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> ZLIN AIRCRAFT a.s. Z 142

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> GE Aviation Czech, s.r.o. M 337 AK

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

ΓΛΟΛ	FASA Propeller Propeller Type		Additional modifications essential to meet the	Maximum	Take-off dB(A)		Soo
EASA Record No.	Propeller Manufacturer <sup>1</sup>	' ''	requirements or needed to attain the certificated noise levels	Take-off mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C98	Avia Propeller Ltd.	V 500 A	none	1,090	82.3	84.5	-

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



Issue: 4 Date: 09 January 2018

Type Certificate Holder<sup>1</sup> ZLIN AIRCRAFT a.s. Aircraft Type Designation<sup>1</sup> Z 242 L

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> AEIO-360-A1B6

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

ΓΛζΛ	EASA Propeller Record No. Manufacturer <sup>1</sup>	Propeller Type  Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum	Take-off dB(A)		Coo
_				Take-off mass¹ (kg)	Level <sup>1</sup>	Limit	See Note
C13072	Hartzell Propeller Inc.	HC-C3YR-4BF/FC6890	none	1,090	80.6	84.5	2
C182	MT-Propeller Entwicklung GmbH	MTV-9-B-C/C-188-18a	none	1,090	80.6	84.5	2
C13073	Hartzell Propeller Inc.	HC-C3YR-4BF/FC6890	none	1,020	80.6	83.5	2
C13075	MT-Propeller Entwicklung GmbH	MTV-9-B-C/C-188-18a	none	1,020	80.6	83.5	2

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



Page 5 of 12

Page 6 of 12 Date: 09 January 2018 Issue: 4

Type Certificate Holder Aircraft Type Designation Z 242 L ZLIN AIRCRAFT a.s.

**Engine Manufacturer** Lycoming **Engine Type Designation** AEIO-360-A1B6

**Noise Certification Basis** ICAO Annex 16, Volume I Edition / Amendment Chapter

ΓΛΩ	EASA Propeller Propeller Type Manufacturer Designation Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Dua nella n Tima	Additional modifications essential to meet the	Maximum	Take-off dB(A)		Soo
Record No.		Take-off mass (kg)	Level	Limit	See Note		
C13074	Hartzell	HC-C3YR-4BF/FC6890	none	970	_		2
	Propeller Inc.	,					
	MT-Propeller						
C13076	Entwicklung	MTV-9-B-C/C-188-18a	none	970	-		2
	GmbH						

Page 7 of 12 Date: 09 January 2018 Issue: 4

Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> Z 42 M ZLIN AIRCRAFT a.s.

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> LOM praha, s.p. Avia M 137 AZ

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6

FASA	Describer	Propeller Propeller Type Manufacturer <sup>1</sup> Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum	Overflight dB(A)		Coo
EASA Record No.	•			Take-off mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C96	Avia Propeller Ltd.	V 503 A	none	970	71.1	72.9	-

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



Page 8 of 12 Date: 09 January 2018 Issue: 4

Type Certificate Holder Aircraft Type Designation Z 42 M ZLIN AIRCRAFT a.s.

Engine Manufacturer LOM praha, s.p. **Engine Type Designation** Avia M 137 AZ

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter

EASA	Drandlar	Dranallar Tyna	Additional modifications essential to meet the	Maximum	Take-off dB(A)		Çoo.
Record No.	Propeller Propeller Type  Manufacturer Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	See Note	
C92	Avia Propeller Ltd.	V 503 A	none	920	-		2

Page 9 of 12 Date: 09 January 2018 Issue: 4

Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> Z 42 MU ZLIN AIRCRAFT a.s.

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> M 137 A LOM praha, s.p.

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6

FASA	Dranallar	opeller Propeller Type facturer <sup>1</sup> Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum	Overflight dB(A)		Soc
EASA Record No.	Manufacturer <sup>1</sup>			Take-off mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C91	Avia Propeller Ltd.	V 503 A	none	970	71.1	72.9	-
C90	Avia Propeller Ltd.	V 503 A	none	920	70.0	72.3	-

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



Page 10 of 12 Date: 09 January 2018 Issue: 4

Z 42 MU Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> ZLIN AIRCRAFT a.s.

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> LOM praha, s.p. M 137 AZ

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6

ΓΛΟΛ	FASA Propeller Type		Additional modifications essential to meet the	Maximum	Overflight dB(A)		Soo
EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels	Take-off mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C88	Avia Propeller Ltd.	V 503 A	none	970	71.1	72.9	-
C87	Avia Propeller Ltd.	V 503 A	none	920	70.0	72.3	-

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



TC.CERT.00080-001 (c) European Aviation Safety Agency, 2014. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet TCDSN EASA.A.027 Page 11 of 12 Issue: 4 Date: 09 January 2018

## **TCDSN EASA.A.027 Notes**

- 1. Items so marked shall be included on EASA Form 45.
- 2. This aircraft type conforms with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of being specifically designed for aerobatic purposes.



TCDSN EASA.A.027 Page 12 of 12 Issue: 4 Date: 09 January 2018

## **Change Record**

Issue	Date	Changes
Issue 1	19 November 2008	Initial Issue
Issue 2	22 October 2007	Revised
Issue 3	24 August 2009	Revised
Issue 4	09 January 2018	Added records C13072 – C13076 for Z 242 L, updated engine TC holder for record C98

-END-