



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



INTENTIONALLY LEFT BLANK



Type Certificate Holder¹ **ZLIN AIRCRAFT a.s.** Aircraft Type Designation¹ **Z 142**

Engine Manufacturer¹ **LOM praha, s.p.** Engine Type Designation¹ **Avia M 337 AK**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

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

¹ See Note 1.

Type Certificate Holder¹ **ZLIN AIRCRAFT a.s.** Aircraft Type Designation¹ **Z 142**

Engine Manufacturer¹ **GE Aviation Czech, s.r.o.** Engine Type Designation¹ **M 337 AK**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

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

¹ See Note 1.

Type Certificate Holder¹ **ZLIN AIRCRAFT a.s.** Aircraft Type Designation¹ **Z 242 L**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **AEIO-360-A1B6**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
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

¹ See Note 1.

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

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

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

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

Type Certificate Holder¹ **ZLIN AIRCRAFT a.s.** Aircraft Type Designation¹ **Z 42 M**

Engine Manufacturer¹ **LOM praha, s.p.** Engine Type Designation¹ **Avia M 137 AZ**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

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

¹ See Note 1.



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

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



Type Certificate Holder¹ **ZLIN AIRCRAFT a.s.** Aircraft Type Designation¹ **Z 42 MU**

Engine Manufacturer¹ **LOM praha, s.p.** Engine Type Designation¹ **M 137 A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
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	-

¹ See Note 1.

Type Certificate Holder¹ **ZLIN AIRCRAFT a.s.** Aircraft Type Designation¹ **Z 42 MU**

Engine Manufacturer¹ **LOM praha, s.p.** Engine Type Designation¹ **M 137 AZ**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
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	-

¹ See Note 1.

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.

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-

