

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.266

for

Mooney Model M20

Type Certificate Holder: Mooney Airplane Company Inc.

165 Al Mooney Drive North Kerrville, Texas 78028 USA

For models: M20M

M₂₀R

TCDSN EASA.IM.A.266 Page 2 of 10 Issue: 2 Date: 09 July 2014

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Issue: 2

Page 3 of 10 Date: 09 July 2014

Type Certificate Holder¹ Mooney Airplane Company Inc. Aircraft Type Designation¹ M20M

Engine Manufacturer¹ Lycoming Engine Type Designation¹ TIO-540-AF1A

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

EASA	Propollor	Propeller Propeller Type Manufacturer 1 Designation 1	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take		ff dB(A)	See
Record No.	Manufacturer ¹			Take-off mass ¹ (kg)	Level 1	Limit	Note
C3824	McCauley	B3D32C417/82NRD-7	none	1,528	79.0	88.0	-

¹ See Note 1.

TE.TC.00029-001

Page 4 of 10 Date: 09 July 2014 Issue: 2

Aircraft Type Designation¹ Type Certificate Holder¹ **Mooney Airplane Company Inc. M20M**

Engine Manufacturer¹ Engine Type Designation¹ **TIO-540-AF1A** Lycoming

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

EASA	Propeller	Propeller Type Designation 1	Additional modifications essential to meet the	Maximum Overflig		ht dB(A)	Soo
Record No.	Manufacturer ¹		requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C3404	McCauley	B3D32C417/82NRD-7	none	1,452	70.8	79.4	-

¹ See Note 1.

Page 5 of 10 Date: 09 July 2014 Issue: 2

Type Certificate Holder¹ **Mooney Airplane Company Inc.** Aircraft Type Designation¹ **M20M**

Engine Manufacturer¹ Engine Type Designation¹ **TIO-540-AF1B** Lycoming

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

EASA	Dropollor	ppeller Propeller Type facturer 1 Designation 1	Additional modifications essential to meet the	Maximum Take-o		ff dB(A)	Soo
Record No.	Manufacturer ¹		requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C3825	McCauley	B3D32C417/82NRD-7	none	1,528	79.0	88.0	-

¹ See Note 1.

Issue: 2

Aircraft Type Designation¹ Type Certificate Holder¹ **Mooney Airplane Company Inc. M20M**

Engine Manufacturer¹ Engine Type Designation¹ **TIO-540-AF1B** Lycoming

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

EASA	Propeller	Propeller Type Designation 1	Additional modifications essential to meet the	Maximum Overflig		ht dB(A)	500
Record No.	Manufacturer ¹		requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C3406	McCauley	B3D32C417/82NRD-7	none	1,452	70.8	79.4	-

¹ See Note 1.

Page 6 of 10 Date: 09 July 2014 Issue: 2

Page 7 of 10 Date: 09 July 2014

Type Certificate Holder¹ Mooney Airplane Company Inc. Aircraft Type Designation¹ M20R

Engine Manufacturer¹ Teledyne Continental Engine Type Designation¹ IO-550-G()

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter 10 (10.4b)

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)		Soc
					Level 1	Limit	- See Note
C3408	McCauley	2A34C241/82PGC-6	none	1,528	80.0	85.0	2
C4960	Hartzell Propeller Inc.	PHC-J3YF-1RF/F7693DF(B)-2	none	1,528	80.5	85.0	3
C4961	Hartzell Propeller Inc.	PHC-J3YF-1RF/F7693DF(B)-2	none	1,528	79.8	85.0	2

¹ See Note 1.

Page 8 of 10 Date: 09 July 2014 Issue: 2

Type Certificate Holder¹ **Mooney Airplane Company Inc.** Aircraft Type Designation¹ M₂₀R

Engine Manufacturer¹ Engine Type Designation¹ **Teledyne Continental** IO-550-G()

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

EASA	Dropollor	peller Propeller Type acturer 1 Designation 1	Additional modifications essential to meet the	Maximum Take-o		ff dB(A)	Soo
Record No.	Manufacturer ¹		requirements or needed to attain the certificated noise levels	d Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C3409	McCauley	3A32C418-()/G-82NRC-9	none	1,528	77.6	88.0	3

¹ See Note 1.

TCDSN EASA.IM.A.266 Page 9 of 10 Issue: 2 Date: 09 July 2014

TCDSN EASA.IM.A.266 Notes

- 1. Items so marked shall be included on EASA Form 45.
- 2. Valid for S/N 29-183, 29-0200 thru 29-TBA.
- 3. Valid for S/N 29-001 thru 29-0182, 29-0184 thru 29-0199.

TCDSN EASA.IM.A.266 Page 10 of 10 Issue: 2 Date: 09 July 2014

Change Record

Issue	Date	Changes
Issue 1	01 July 2009	Initial Issue
Issue 2	09 July 2014	Records C4960 and C4961: Propeller designation revised.

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