



***European Aviation Safety Agency***

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**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

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Type Certificate Holder<sup>1</sup>    **Mooney Airplane Company Inc.**                      Aircraft Type Designation<sup>1</sup>            **M20M**

Engine Manufacturer<sup>1</sup>        **Lycoming**    Engine Type Designation<sup>1</sup>            **TIO-540-AF1A**

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

EASA Record No.	Propeller 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 mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C3404	<b>McCauley</b>	<b>B3D32C417/82NRD-7</b>	<b>none</b>	<b>1,452</b>	<b>70.8</b>	<b>79.4</b>	<b>-</b>

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

Type Certificate Holder<sup>1</sup> **Mooney Airplane Company Inc.** Aircraft Type Designation<sup>1</sup> **M20M**  
 Engine Manufacturer<sup>1</sup> **Lycoming** Engine Type Designation<sup>1</sup> **TIO-540-AF1B**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter<sup>1</sup> **10 (10.4a)**

EASA Record No.	Propeller 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 mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C3825	<b>McCauley</b>	<b>B3D32C417/82NRD-7</b>	<b>none</b>	<b>1,528</b>	<b>79.0</b>	<b>88.0</b>	-

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



Type Certificate Holder <sup>1</sup>	<b>Mooney Airplane Company Inc.</b>	Aircraft Type Designation <sup>1</sup>	<b>M20R</b>
Engine Manufacturer <sup>1</sup>	<b>Teledyne Continental</b>	Engine Type Designation <sup>1</sup>	<b>IO-550-G()</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	Chapter <sup>1</sup> <b>10 (10.4b)</b>

EASA Record No.	Propeller 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 mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C3408	<b>McCauley</b>	<b>2A34C241/82PGC-6</b>	<b>none</b>	<b>1,528</b>	<b>80.0</b>	<b>85.0</b>	<b>2</b>
C4960	<b>Hartzell Propeller Inc.</b>	<b>PHC-J3YF-1RF/F7693DF(B)-2</b>	<b>none</b>	<b>1,528</b>	<b>80.5</b>	<b>85.0</b>	<b>3</b>
C4961	<b>Hartzell Propeller Inc.</b>	<b>PHC-J3YF-1RF/F7693DF(B)-2</b>	<b>none</b>	<b>1,528</b>	<b>79.8</b>	<b>85.0</b>	<b>2</b>

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

Type Certificate Holder<sup>1</sup>    **Mooney Airplane Company Inc.**                      Aircraft Type Designation<sup>1</sup>            **M20R**

Engine Manufacturer<sup>1</sup>        **Teledyne Continental**                      Engine Type Designation<sup>1</sup>            **IO-550-G()**

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

EASA Record No.	Propeller 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 mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C3409	<b>McCauley</b>	<b>3A32C418-()/G-82NRC-9</b>	<b>none</b>	<b>1,528</b>	<b>77.6</b>	<b>88.0</b>	<b>3</b>

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



**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.

**Change Record**

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

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