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## TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.R.121**

**for**

**R44**

**Type Certificate Holder:**  
**Robinson Helicopter Company**  
2901 Airport Dr  
Torrance, CA 90505-6115  
USA

For models:

R44

R44 II



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Type Certificate Holder<sup>1</sup>      **Robinson Helicopter Company**      Aircraft Type Designation<sup>1</sup>      **R44**

Engine TC Holder      **Lycoming**      Engine Type Designation<sup>1</sup>      **O-540-F1B5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **11 (11.4.1)**

EASA Record No.	Variant	Maximum Mass		Overflight SEL		See Note
		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	
D123		<b>1,089</b>	<b>1,089</b>	<b>81.9</b>	<b>83.4</b>	-
D427	Cadet	<b>998</b>	<b>998</b>	<b>78.2</b>	<b>83.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Robinson Helicopter Company**      Aircraft Type Designation<sup>1</sup>      **R44**

Engine TC Holder      **Lycoming**      Engine Type Designation<sup>1</sup>      **O-540-F1B5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **F050-2 / C169-35 (Symmetric horizontal stabilizer / large muffler)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **11 (11.4.1)**

EASA Record No.	Variant	Maximum Mass		Overflight SEL		See Note
		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	
D521	R44 I	<b>1,089</b>	<b>1,089</b>	<b>81.0</b>	<b>83.4</b>	-

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



Type Certificate Holder<sup>1</sup>      **Robinson Helicopter Company**

Aircraft Type Designation<sup>1</sup>      **R44**

Engine TC Holder      **Lycoming**

Engine Type Designation<sup>1</sup>      **O-540-F1B5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**P/N C169-35 (large muffler)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **11 (11.4.1)**

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	
D428	<b>1,089</b>	<b>1,089</b>	<b>78.9</b>	<b>83.4</b>	-

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



Type Certificate Holder<sup>1</sup>      **Robinson Helicopter Company**

Aircraft Type Designation<sup>1</sup>      **R44**

Engine TC Holder      **Lycoming**

Engine Type Designation<sup>1</sup>      **O-540-F1B5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**F050-2 / C169-35 (Symmetric horizontal stabilizer / large muffler)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **11 (11.4.1)**

EASA Record No.	Variant	Maximum Mass		Overflight SEL		See Note
		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	
D519	Cadet	<b>998</b>	<b>998</b>	<b>79.2</b>	<b>83.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Robinson Helicopter Company**

Aircraft Type Designation<sup>1</sup>      **R44 II**

Engine TC Holder      **Lycoming**

Engine Type Designation<sup>1</sup>      **IO-540-AE1A5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **11 (11.4.1)**

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	
D124	<b>1,134</b>	<b>1,134</b>	<b>80.9</b>	<b>83.6</b>	-

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



Type Certificate Holder<sup>1</sup>      **Robinson Helicopter Company**

Aircraft Type Designation<sup>1</sup>      **R44 II**

Engine TC Holder      **Lycoming**

Engine Type Designation<sup>1</sup>      **IO-540-AE1A5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**F050-2 (Symmetric horizontal stabilizer)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **11 (11.4.1)**

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	
D520	<b>1,134</b>	<b>1,134</b>	<b>79.3</b>	<b>83.6</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Robinson Helicopter Company**

Aircraft Type Designation<sup>1</sup>      **R44 II**

Engine TC Holder      **Lycoming**

Engine Type Designation<sup>1</sup>      **IO-540-AE1A5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**P/N C169-37 (large muffler)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **11 (11.4.1)**

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	
D429	<b>1,134</b>	<b>1,134</b>	<b>80.9</b>	<b>83.6</b>	-

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



### **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.

### **TCDN EASA.IM.R.121 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. Applicable for short/large muffler



### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	04 November 2009	Initial release
Issue 2	29 June 2011	Record D123 revised.
Issue 3	17 January 2012	Record D124: noise level revised.
Issue 4	28 February 2017	Introduction of R44 and R44 II with large muffler and introduction of R44 at 998 kg MTOW.
Issue 5	08 January 2025	Records D519, D520 and D521 added.
Issue 6	16 April 2025	Corrections of MTOM values and engine designation for records D519, D520 and D521.
Issue 7	28 April 2025	Muffler designation revised for D521 and D519

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