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TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.R.120

for

R22

Type Certificate Holder: Robinson Helicopter Company

2901 Airport Dr Torrance, CA 90505-6115 **USA**

For models:

R22

R22 Alpha

R22 Beta

R22 Mariner



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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22

Additional modifications essential to meet the requirements or needed to attain the **None**

Lycoming

certificated noise levels¹

Engine TC Holder

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

EASA	Maximum Mass		Overfli	Coo	
Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	See Note
D241	590	590	-	-	2

¹ See Note 1.



Engine Type Designation¹

O-320-A2B

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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22

Additional modifications essential to meet the requirements or needed to attain the **None**

Lycoming

certificated noise levels¹

Engine TC Holder

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

EASA	Maximum Mass		Overfli	Coo	
Record No.	Take-off ¹ Landing (kg) (kg)	_	Level ¹	Limit	See Note
D242	590	590	-	-	2

¹ See Note 1.



Engine Type Designation¹

O-320-A2C

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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22

Engine TC Holder Lycoming Engine Type Designation O-320-B2C

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

None

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

FACA	Maximum Mass		Overfli	Soo	
EASA Record No.	Take-off ¹ Landing (kg) (kg)	_	Level ¹	Limit	See Note
D243	590	590	-	-	2



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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22 Alpha

Engine TC Holder Lycoming Engine Type Designation O-320-B2C

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

None

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

FACA	Maximum Mass		Overfli	200	
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	See Note
D56	621	621	-	-	2



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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22 Beta

Engine TC Holder Lycoming Engine Type Designation O-320-B2C

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

None

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

EASA	Maximu	Maximum Mass		Overflight SEL		
Record No.	Take-off ¹ (kg)			Limit	See Note	
D120	621	621	-	-	2	
D244	621	621	-	-	2	

¹ See Note 1.



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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22 Beta

Engine TC Holder Lycoming Engine Type Designation¹ O-360-J2A

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

None

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

EASA	Maximum Mass		Overfli	Soo		
Record No.	Take-off ¹ (kg)			Limit	See Note	
D304	621	621	-	-	2	
D266	621	621	-	-	2	

¹ See Note 1.



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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22 Beta

Engine TC Holder Lycoming Engine Type Designation¹ O-360-J2A

Additional modifications essential to meet the requirements or needed to attain the Symmetric horizontal stabilizer / Muffler: A169-25

certificated noise levels¹

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 8 / Amendment 13 Chapter¹ 11 (11.4.1)

FACA		Maximum Mass		Overfli	Soo	
EASA Record No.	Variant	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	See Note
D518	Beta II	621	621	77.8	82.0	-



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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22 Mariner

Engine TC Holder Lycoming Engine Type Designation¹ O-320-B2C

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

None

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

FACA	Maximum Mass		Overfli	Soo	
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	See Note
D122	621	621	-	-	2

¹ See Note 1.



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Type Certificate Holder¹ Robinson Helicopter Company Aircraft Type Designation¹ R22 Mariner

Engine TC Holder Lycoming Engine Type Designation¹ O-360-J2A

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

None

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

FACA	Maximum Mass		Overfli	Caa	
EASA Record No.	Take-off ¹ Landing (kg) (kg)	J	Level ¹	Limit	See Note
D306	621	621	-	-	2



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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.

TCDSN EASA.IM.R.120 Notes

- 1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form
- This aircraft type conforms with the provisions of Art 9 (2) 1st subparagraph of Regulation (EU)2018/1139 without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.

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Change Record

Issue	Date	Changes
01	04 November 2009	Initial Issue
02	12 January 2010	Revised
03	18 May 2022	Records D304, D122 and D306: Noise levels removed, note added.
04	08 January 2024	Record D518 added.

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