



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**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-320-A2B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

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

¹ See Note 1.



Type Certificate Holder ¹	Robinson Helicopter Company	Aircraft Type Designation ¹	R22
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-320-A2C
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		None	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹

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

¹ See Note 1.



Type Certificate Holder¹ **Robinson Helicopter Company** Aircraft Type Designation¹ **R22**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-320-B2C**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	
D243	590	590	-	-	2

¹ See Note 1.



Type Certificate Holder ¹	Robinson Helicopter Company	Aircraft Type Designation ¹	R22 Alpha
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-320-B2C
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		None	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹

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

¹ See Note 1.



Type Certificate Holder¹ **Robinson Helicopter Company** Aircraft Type Designation¹ **R22 Beta**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-320-B2C**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

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

¹ See Note 1.



Type Certificate Holder ¹	Robinson Helicopter Company	Aircraft Type Designation ¹	R22 Beta
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-360-J2A
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		None	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	
D304	621	621	-	-	2
D266	621	621	-	-	2

¹ See Note 1.



Type Certificate Holder ¹	Robinson Helicopter Company	Aircraft Type Designation ¹	R22 Mariner
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-320-B2C
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		None	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹

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

¹ See Note 1.



Type Certificate Holder¹ **Robinson Helicopter Company** Aircraft Type Designation¹ **R22 Mariner**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-360-J2A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	
D306	621	621	-	-	2

¹ 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

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 45.
2. 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.



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.

