TCDSN No.: EASA.IM.R.120 R22 Page 1 of 12 Date: 18 May 2022

Issue: 3



# **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** 



TCDSN No.: EASA.IM.R.120 R22 Page 2 of 12

Issue: 3 Date: 18 May 2022

### INTENTIONALLY LEFT BLANK



Issue: 3

Page 3 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-320-A2B

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

certificated noise levels<sup>1</sup>

None

FACA	Maximu	Maximum Mass		Overflight SEL		
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	See Note	
D241	590	590	-	-	2	

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 3

Page 4 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-320-A2C

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

certificated noise levels<sup>1</sup>

None

FACA	Maximu	ım Mass	Overflight SEL		Coo	
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	See Note	
D242	590	590	-	-	2	

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 3

Page 5 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-320-B2C

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

certificated noise levels<sup>1</sup>

None

FACA	Maximu	ım Mass	Overflight SEL		Soo	
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	See Note	
D243	590	590	-	-	2	

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 3

Page 6 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22 Alpha

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-320-B2C

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

certificated noise levels<sup>1</sup>

FACA	Maximu	ım Mass	Overfli	Coo	
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	See Note
D56	621	621	-	-	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 3

Page 7 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22 Beta

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-320-B2C

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

certificated noise levels<sup>1</sup>

None

FASA	Maximu	m Mass	Overfli	See	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Note
D120	621	621	-	-	2
D244	621	621	-	-	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 3

Page 8 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22 Beta

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-360-J2A

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

certificated noise levels<sup>1</sup>

None

FASA	Maximu	ım Mass	Overfli	Soo	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	See Note
D304	621	621	-	-	2
D266	621	621	-	-	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 3

Page 9 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22 Mariner

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-320-B2C

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

certificated noise levels<sup>1</sup>

None

FACA	Maximu	ım Mass	Overflight SEL		Soo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	See Note
D122	621	621	-	-	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 3

Page 10 of 12 Date: 18 May 2022

Type Certificate Holder<sup>1</sup> Robinson Helicopter Company Aircraft Type Designation<sup>1</sup> R22 Mariner

Engine Manufacturer<sup>1</sup> Lycoming Engine Type Designation<sup>1</sup> O-360-J2A

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

certificated noise levels<sup>1</sup>

and moise revers

EASA Record No.	Maximum Mass		Overfli	Soo	
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	See Note
D306	621	621	-	-	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



TCDSN No.: EASA.IM.R.120 Page 11 of 12

Issue: 3 Date: 18 May 2022

### **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.

TCDSN No.: EASA.IM.R.120 Page 12 of 12

Issue: 3 Date: 18 May 2022

## **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.