

European Aviation Safety Agency

EASA

**TYPE-CERTIFICATE
DATA SHEET FOR NOISE**

**R22
R22 ALPHA
R22 BETA
R22 MARINER**

**Type Certificate Holder:
Robinson Helicopter Company**

2901 Airport Dr
Torrance, CA 90505-6115
USA

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Type Certificate Holder **Robinson Helicopter Company**

Aircraft Type Designation **R22**

Engine Manufacturer **Lycoming**

Engine Type Designation **O-320-A2B**

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

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

Chapter **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit
D241	590	590	**	**	**	**	**	**

** By virtue of the date of type certification this aircraft type is in accordance with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I.

Type Certificate Holder **Robinson Helicopter Company**

Aircraft Type Designation **R22**

Engine Manufacturer **Lycoming**

Engine Type Designation **O-320-A2C**

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

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

Chapter **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit
D242	590	590	**	**	**	**	**	**

** By virtue of the date of type certification this aircraft type is in accordance with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I.

Type Certificate Holder **Robinson Helicopter Company**

Aircraft Type Designation **R22**

Engine Manufacturer **Lycoming**

Engine Type Designation **O-320-B2C**

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

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

Chapter **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit
D243	590	590	**	**	**	**	**	**

** By virtue of the date of type certification this aircraft type is in accordance with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I.

Type Certificate Holder **Robinson Helicopter Company**

Aircraft Type Designation **R22 Alpha**

Engine Manufacturer **Lycoming**

Engine Type Designation **O-320-B2C**

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

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

Chapter **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit
D56	621	621	**	**	**	**	**	**

** By virtue of the date of type certification this aircraft type is in accordance with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I.

Type Certificate Holder* **Robinson Helicopter Company**

Aircraft Type Designation* **R22 Beta**

Engine Manufacturer* **Lycoming**

Engine Type Designation* **O-320-B2C**

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

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

Chapter* **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
D120	621	621	80,2	89,0	81,3	88,0	86,7	90,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Robinson Helicopter Company**

Aircraft Type Designation* **R22 Beta**

Engine Manufacturer* **Lycoming**

Engine Type Designation* **O-320-B2C**

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

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

Chapter* **11 (11.4.1)**

EASA Record No.	Maximum Mass		Overflight SEL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit
D244	621	621	78,2	82,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Robinson Helicopter Company**

Aircraft Type Designation* **R22 Beta**

Engine Manufacturer* **Lycoming**

Engine Type Designation* **O-360-J2A**

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

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

Chapter* **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
D304	621	621	80,2	89,0	81,3	88,0	86,7	90,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Robinson Helicopter Company**

Aircraft Type Designation* **R22 Beta**

Engine Manufacturer* **Lycoming**

Engine Type Designation* **O-360-J2A**

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

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

Chapter* **11 (11.4.1)**

EASA Record No.	Maximum Mass		Overflight SEL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit
D266	621	621	78,9	82,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Robinson Helicopter Company**

Aircraft Type Designation* **R22 Mariner**

Engine Manufacturer* **Lycoming**

Engine Type Designation* **O-320-B2C**

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

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

Chapter* **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
D122	621	621	84,2	89,0	81,4	88,0	86,7	90,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Robinson Helicopter Company**

Aircraft Type Designation* **R22 Mariner**

Engine Manufacturer* **Lycoming**

Engine Type Designation* **O-360-J2A**

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

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

Chapter* **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
D306	621	621	84,2	89,0	81,4	88,0	86,7	90,0

* Items so marked shall be included on EASA Form 45.

Change Record

Issue	Date	Changes
Issue 1	04 November 2009	Initial Issue
Issue 2	12 January 2010	Revised