

Civil Aviation Authority United Kingdom



TYPE-CERTIFICATE DATA SHEET FOR NOISE

UK.TC.R.00140

for

R22

Type Certificate holder
Robinson Helicopter Company

2901 Airport Drive
Torrance, CA 90505
U.S.A.

Model(s): R22
 R22 Alpha
 R22 Beta
 R22 Mariner

Issue: 1
Date of issue: 21 July 2025

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Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Take-off Level (EPNdB)	Take-off Limit (EPNdB)	Overflight Level (EPNdB)	Overflight Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
R22	None	590	590	Lycoming O-320-A2B	None	Annex 16/I	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (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.	D241
R22	None	590	590	Lycoming O-320-A2C	None	Annex 16/I	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (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.	D242
R22	None	590	590	Lycoming O-320-B2C	None	Annex 16/I	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (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.	D243
R22 Alpha	None	621	621	Lycoming O-320-B2C	None	Annex 16/I	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (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.	D56
R22 Beta	None	621	621	Lycoming O-320-B2C	None	Annex 16/I Chapter 8 (8.4.1)	80.2	89.0	81.3	88.0	86.7	90.0	None	D120
R22 Beta	None	621	621	Lycoming O-360-J2A	None	Annex 16/I Chapter 8 (8.4.1)	80.2	89.0	81.3	88.0	86.7	90.0	None	D304
R22 Mariner	None	621	621	Lycoming O-320-B2C	None	Annex 16/I Chapter 8 (8.4.1)	84.2	89.0	81.4	88.0	86.7	90.0	None	D122
R22 Mariner	None	621	621	Lycoming O-360-J2A	None	Annex 16/I Chapter 8 (8.4.1)	84.2	89.0	81.4	88.0	86.7	90.0	None	D306

Type Designation	Airframe Modification	MTOW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Overflight Level dB(A) SEL	Overflight Limit dB(A) SEL	Notes	Record Number
R22 Beta	None	621	Lycoming O-320-B2C	None	Annex 16/I Chapter 11 (11.4.1)	78.2	82.0	None	D244
R22 Beta	None	621	Lycoming O-360-J2A	None	Annex 16/I Chapter 11 (11.4.1)	78.9	82.0	None	D266
R22 Beta	Symmetrical horizontal stabiliser (P/N B375-2)	621	Lycoming O-360-J2A	None	Annex 16/I 8/14 Chapter 11 (11.4.1)	77.4	82.0	Serial numbers 501 and subsequent (not Mariner)	H493

Administration

I. Acronyms and Abbreviations

Acronym / Abbreviation	Definition
dB(A) SEL	Sound Exposure Level
Ed./Amend.	Edition/Amendment
EPNdB	Effective perceived noise decibel
MTOW	Maximum take-off weight
MLW	Maximum landing weight
Regulation Annex 16/I	ICAO Annex 16 Volume I
TCDSN	Type Certificate Data Sheet for Noise

II. Type Certificate Holder Record

TCH Record	Period
Robinson Helicopter Company 2901 Airport Drive Torrance California 90505 USA	Present. No changes.

III. Amendment Record

TCDSN Issue No.	TCDSN Issue Date	Changes	TC Issue and Date
1	21 July 2025	Initial	Issue 1 21 July 2025