

TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.R.011

for

BO105

Type Certificate Holder: Airbus Helicopters Deutschland GmbH Industriestrasse 4 D-86609 Donauwörth Germany

For models: BO105 A BO105 C BO105 D BO105 LS A-1 BO105 LS A-3 BO105 S



INTENTIONALLY LEFT BLANK



TCDSN No.: EASA.R.011 Issue: 4				
Type Certificate Holder ¹	Airbus Helicopters Deutschlan	d GmbH	Aircraft Type Designation ¹	BO105 A
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C18
Additional modifications es certificated noise levels ¹	sential to meet the requirements o	r needed to attain the	None	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹

FACA	Maximu	ım Mass	Overfli	500	
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	See Note
D508	2,100	2,100	-	-	2



TE.CERT.00051-001 © European Union Aviation Safety Agency, 2022. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Page 3 of 13 Date: 15 July 2022

TCDSN No.: EASA.R.011 Issue: 4					Page 4 of 13 Date: 15 July 2022
Type Certificate Holder ¹	Airbus Helicopters Deutschland	GmbH	Aircraft Type Designation ¹	BO105 C	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	None			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8

FASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		500	
EASA Record No.	Variant	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D206	C23	2,300	2,300	-	-	-	-	-	-	2



TCDSN No.: EASA.R.011 Issue: 4				Page 5 of 13 Date: 15 July 2022
Type Certificate Holder ¹	Airbus Helicopters Deutschland GmbH	Aircraft Type Designation ¹	BO105 C	
Engine Manufacturer ¹	Rolls-Royce Corporation	Engine Type Designation ¹	250-C20B	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

Edition / Amendment

Take-Off EPNL Maximum Mass Overflight EPNL Approach EPNL EASA See Variant Take-off¹ Landing Record No. Note Level¹ Level¹ Level¹ Limit Limit Limit (kg) (kg) D209 CB 2,500 2,500 2 ------2,500 2,500 2 D215 CB-4 ------2,500 2,500 2 D299 CB-5 ------D208 СВ 2,400 2 2,400 ------2,300 D212 C23 2,300 2 ------

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2022. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter¹

8

TCDSN No.: EASA.R.011 Issue: 4					Page 6 of 13 Date: 15 July 2022
Type Certificate Holder ¹	Airbus Helicopters Deutschland	GmbH	Aircraft Type Designation ¹	BO105 D	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	None			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8

	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		500	
EASA Record No.	Variant	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D210	D	2,300	2,300	-	-	-	-	-	-	2
D309	DS	2,300	2,300	-	-	-	-	-	-	2



TCDSN No.: EASA.R.011 Issue: 4				Page 7 of 13 Date: 15 July 2022
Type Certificate Holder ¹	Airbus Helicopters Deutschland GmbH	Aircraft Type Designation ¹	BO105 D	
Engine Manufacturer ¹	Rolls-Royce Corporation	Engine Type Designation ¹	250-C20B	
Additional modifications essice certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

Edition / Amendment

	EASA		Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note	
D312	DB-4	2,500	2,500	-	-	-	-	-	-	2
D313	DBS-4	2,500	2,500	-	-	-	-	-	-	2
D310	DB	2,400	2,400	-	-	-	-	-	-	2
D311	DBS	2,400	2,400	-	-	-	-	-	-	2
D211	D	2,300	2,300	-	-	-	-	-	-	2
D308	DS	2,300	2,300	-	-	-	-	-	-	2
D314	DBS-5	2,500	2,500	-	-	-	-	-	-	2

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2022. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter¹

8

TCDSN No.: EASA.R.011 Issue: 4					Page 8 of 13 Date: 15 July 2022	
Type Certificate Holder ¹	Airbus Helicopters Deutschland	Aircraft Type Designation ¹	BO105 LS A-1			
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C28C		
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or n	None				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8	

FASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D307	2,400	2,400	-	-	-	-	-	-	2



TCDSN No.: EASA.R.011 Issue: 4					Page 9 of 13 Date: 15 July 2022	
Type Certificate Holder ¹	Airbus Helicopters Deutschland	GmbH	Aircraft Type Designation ¹	BO105 LS A-3		
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C28C		
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or r	None				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8 (8.4.1)	

FASA	Maximu	ım Mass	Take-Off EPNL		Overflight EPNL		Approach EPNL		600	
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note	
D216	2,600	2,600	90.0	94.2	90.9	93.2	91.9	95.2	-	



TCDSN No.: EASA.R.011 Issue: 4					Page 10 of 13 Date: 15 July 2022
Type Certificate Holder ¹	Airbus Helicopters Deutschland	GmbH	Aircraft Type Designation ¹	BO105 S	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or i	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8 (8.4.1)

EASA			Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL	
EASA Record No.	Variant	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D264	CS	2,300	2,300	-	-	-	-	-	-	2



TCDSN No.: EASA.R.011 Issue: 4				Page 11 of 13 Date: 15 July 2022
Type Certificate Holder ¹	Airbus Helicopters Deutschland GmbH	Aircraft Type Designation ¹	BO105 S	
Engine Manufacturer ¹	Rolls-Royce Corporation	Engine Type Designation ¹	250-C20B	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

Edition / Amendment

	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See	
EASA Record No.	Variant	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
D261	CBS	2,500	2,500	-	-	-	-	-	-	2
D262	CBS-4	2,500	2,500	-	-	-	-	-	-	2
D263	CBS-5	2,500	2,500	-	-	-	-	-	-	2
D260	CBS	2,400	2,400	-	-	-	-	-	-	2
D265	CS	2,300	2,300	-	-	-	-	-	-	2

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2022. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter¹

8 (8.4.1)

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.R.011 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
Issue 01	05 November 2009	Initial Issue
Issue 02	06 January 2010	Update of the footnote for bland records
Issue 03	07 January 2014	TC Holder revised
Issue 04	15 July 2022	Record number D508 added; Engine manufacturer harmonized

-END-

