



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.587

for

S205

S208

Type Certificate Holder:

Leonardo S.p.A. - Divisione Velivoli

Piazza Monte Grappa, 4

00195 Rome

Italy

For models: S205-18/F
S205-18/R
S205-20/F
S205-20/R
S205-22/R
S208
S208A



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Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S205-18/F**

Engine Manufacturer **Lycoming** Engine Type Designation **O-360-A1A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10600	Hartzell Propeller Inc.	HC-C2YK-1B()/7666A-2	none	1,200	-		2



Type Certificate Holder¹ **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation¹ **S205-18/R**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-360-A1A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C4763	Hartzell Propeller Inc.	HC-C2YK-1B()/7666A-2	none	1,200	79.7	85.8	2

¹ See Note 1.



Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S205-20/F**

Engine Manufacturer **Lycoming** Engine Type Designation **IO-360-A1A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10601	Hartzell Propeller Inc.	HC-C2YK-1B()/()7666()-2	none	1,300	-		2



Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S205-20/F**

Engine Manufacturer **Lycoming** Engine Type Designation **IO-360-A1B6D**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10602	Hartzell Propeller Inc.	HC-C2YK-1B()/()7666()-2	none	1,300	-		2



Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S205-20/R**

Engine Manufacturer **Lycoming** Engine Type Designation **IO-360-A1A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **6**

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C4764	Hartzell Propeller Inc.	HC-C2YK-1B()/()7666()-2	none	1,300	74.9	77.3	2



Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S205-20/R**

Engine Manufacturer **Lycoming** Engine Type Designation **IO-360-A1B6D**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C5494	Hartzell Propeller Inc.	HC-C2YK-1B()/()7666()-2	none	1,300	-		2



Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S205-22/R**

Engine Manufacturer **Franklin** Engine Type Designation **6A-350-C1**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10603	McCauley	2A31C21/84S-4	none	1,350	-		2
C9813	Hartzell Propeller Inc.	HC-C2YF-1B/8459-4	none	1,350	-		2



Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S208**

Engine Manufacturer **Lycoming** Engine Type Designation **O-540-E4A5**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10604	Hartzell Propeller Inc.	HC-C2YK-1B()/F8467-8R	none	1,350	-		2



Type Certificate Holder¹ **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation¹ **S208**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-540-E4A5**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C4765	Hartzell Propeller Inc.	HC-C2YK-1B()/F8477-8R	none	1,350	75.1	78.0	2

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation¹ **S208**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-540-E4A5**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C4766	Hartzell Propeller Inc.	HC-C2YK-1B()/F8477-8R	none	1,350	81.8	87.5	2

¹ See Note 1.



Type Certificate Holder **Leonardo S.p.A. - Divisione Velivoli** Aircraft Type Designation **S208A**

Engine Manufacturer **Lycoming** Engine Type Designation **O-540-E4A5**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10606	Hartzell Propeller Inc.	HC-C2YK-1B()/F8467-8R	none	1,505	-		2
C10605	Hartzell Propeller Inc.	HC-C2YK-1B()/F8477-8R	none	1,505	-		2



TCDSN EASA.A.587 Notes

1. Items so marked shall be included on EASA Form 45.
2. This aircraft type conforms 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, by virtue of the date of type certification. However individual examples of this type which were first issued with a certificate of airworthiness on or after 1 January 1980 are required to demonstrate compliance with the Standards of ICAO Annex 16, Volume I, Chapter 6.



Change Record

Issue	Date	Changes
Issue 1	21 December 2011	Initial Issue
Issue 2	01 February 2017	Change of Type Certificate Holder

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