



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.570

for

BD-500

Type Certificate Holder:

Airbus Canada Limited Partnership

13100 Henri-Fabre Blvd.

Mirabel, Québec, Canada

J7N 3C6

For models:

BD-500-1A10

BD-500-1A11



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Type Certificate Holder¹ **Airbus Canada Limited Partnership** Aircraft Type Designation¹ **BD-500-1A10**
(Commercial Designation **A220-100**)

Engine TC Holder **Pratt & Whitney** Engine Type Designation¹ **PW1521G**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	
A19700	63,730	54,658	86.5	96.2	81.5	90.6	91.9	100.0	-

¹ See Note 1.



Type Certificate Holder¹ **Airbus Canada Limited Partnership** Aircraft Type Designation¹ **BD-500-1A10**
(Commercial Designation **A220-100**)

Engine TC Holder **Pratt & Whitney** Engine Type Designation¹ **PW1524G**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	
A19701	63,730	54,658	87.9	96.2	79.9	90.6	91.9	100.0	-

¹ See Note 1.



Type Certificate Holder¹ **Airbus Canada Limited Partnership** Aircraft Type Designation¹ **BD-500-1A11**
(Commercial Designation **A220-300**)

Engine TC Holder **Pratt & Whitney** Engine Type Designation¹ **PW1521G-3**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	
A19821	70,896	61,008	86.0	96.6	84.5	91.2	92.7	100.4	-

¹ See Note 1.



Type Certificate Holder¹ **Airbus Canada Limited Partnership** Aircraft Type Designation¹ **BD-500-1A11**
(Commercial Designation **A220-300**)

Engine TC Holder **Pratt & Whitney** Engine Type Designation¹ **PW1524G-3**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	Level ¹ (EPNdB)	Limit (EPNdB)	
A19819	70,896	61,008	87.4	96.6	82.6	91.2	92.7	100.4	-

¹ See Note 1.



Correspondence between the ICAO Annex 16 Volume I levels of amendment and the related EU regulations

The table below provides the correspondence between the levels of amendment of Volume I of ICAO Annex 16 and the related EU regulations that have implemented these levels of amendment since 2003, as well as the respective applicability dates.

ICAO Annex 16 Volume I		EU regulations	
Amendment level	Applicability date	Regulation number	Applicability date
Amendment 14	01/01/2024	Regulation (EU) 2025/870*	25/05/2025
Amendment 13	01/01/2021	Regulation (EU) 2021/1087*	25/07/2021
Amendment 12	01/01/2018	Regulation (EU) 2018/1139 (Art.9)	11/09/2018
Amendment 11-B	01/01/2015	Regulation (EU) 2016/4*	26/01/2016
Amendment 10	17/11/2011	Regulation (EU) No 6/2013*	29/01/2013
Amendment 9	20/11/2008	Regulation (EC) No 690/2009*	20/08/2009
Amendment 8	24/11/2005	Regulation (EC) No 216/2008 (Art.6)	29/03/2007
		Regulation (EC) No 334/2007*	29/03/2007
Amendment 7	21/03/2002	Regulation (EC) No 1701/2003*	28/09/2003
Amendment 6	04/11/1999	Regulation (EC) No 1592/2002 (Art.6)	28/09/2003

* Regulations that amend Article 6 of Regulations (EC) No 1592/2002 and (EC) No 216/2008, and Article 9 of Regulation (EU) 2018/1139

TCDSN EASA.IM.A.570 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



Change Record

Issue	Date	Changes
Issue 1	18 November 2015	Initial issue
Issue 2	07 October 2016	Added BD-500-1A11 (CS300)
Issue 3	18 November 2016	CS300 additional weights added
Issue 4	26 April 2017	Added CS300 fitted with PW1524G-3 engines
Issue 5	02 October 2017	Transfer of TC to C Series Aircraft Limited Partnership
Issue 6	31 January 2018	CS300: weight variants displayed in this TCDSN aligned with the weight variants contained in issue 10 of TCDS EASA.IM.A.570
Issue 7	01 June 2019	Re-Naming of C Series Aircraft Limited Partnership to Airbus Canada Limited Partnership; Commercial designations revised from CS100 & CS300 to A220-100 & A220-300.
Issue 8	12 March 2021	Added new MTOM of 70,896 kg for model BD-500-1A11 (Added records A19677 and A19679 and removed records A19141 and A19142)
Issue 9	18 October 2021	Added PW1521G for BD-500-1A10 (added record A19689)
Issue 10	09 September 2022	Added new MTOM of 63,730 kg and new MLM of 54.658 kg for model BD-500-1A10 (Added records A19700 and A19701 and removed records A19689 and A19117)
Issue 11	02 December 2022	Revised Amendment and Chapter of Annex 16 for BD-500-1A11
Issue 12	09 May 2023	Added record A19697 for BD-500-1A10 (A220-100) fitted with PW1519G engines
Issue 13	05 July 2023	Revised Amendment and Chapter of Annex 16 for BD-500-1A10
Issue 14	20 February 2024	Added records A19819 and A19821 and removed records A19677 and 19679 to reflect new MLM of 61,008 kg for BD-500-1A11

