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# 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 Holder<sup>1</sup>      **Airbus Canada Limited Partnership**

Aircraft Type Designation<sup>1</sup>      **BD-500-1A10**  
(Commercial Designation      **A220-100**)

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**

Engine Type Designation<sup>1</sup>      **PW1519G**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19697	<b>63,730</b>	<b>54,658</b>	<b>85.2</b>	<b>96.2</b>	<b>83.3</b>	<b>90.6</b>	<b>91.9</b>	<b>100.0</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Airbus Canada Limited Partnership**

Aircraft Type Designation<sup>1</sup>      **BD-500-1A10**  
(Commercial Designation      **A220-100**)

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**

Engine Type Designation<sup>1</sup>      **PW1521G**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>

**None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **14**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Airbus Canada Limited Partnership**

Aircraft Type Designation<sup>1</sup>      **BD-500-1A10**  
(Commercial Designation      **A220-100**)

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**

Engine Type Designation<sup>1</sup>      **PW1524G**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **14**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Airbus Canada Limited Partnership**

Aircraft Type Designation<sup>1</sup>      **BD-500-1A11**  
(Commercial Designation      **A220-300**)

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**

Engine Type Designation<sup>1</sup>      **PW1521G-3**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19677	<b>70,896</b>	<b>58,740</b>	<b>86.0</b>	<b>96.6</b>	<b>84.5</b>	<b>91.2</b>	<b>92.4</b>	<b>100.4</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Airbus Canada Limited Partnership**

Aircraft Type Designation<sup>1</sup>      **BD-500-1A11**  
(Commercial Designation      **A220-300**)

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**

Engine Type Designation<sup>1</sup>      **PW1524G-3**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19679	<b>70,896</b>	<b>58,740</b>	<b>87.4</b>	<b>96.6</b>	<b>82.6</b>	<b>91.2</b>	<b>92.4</b>	<b>100.4</b>	-

<sup>1</sup> See Note 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.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

