



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.207

for

Cessna 500

Type Certificate Holder:

Textron Aviation Inc.

One Cessna Boulevard

Wichita, Kansas 67215

USA

For models:

500

550

560

560XL

S550



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Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **500**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **With or without thrust reverser**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4897	5,376	5,148	86.5	94.0	78.5	89.0	87.7	98.0	-
A4894	5,216	4,990	86.5	94.0	77.8	89.0	87.7	98.0	-
A4892	4,921	4,717	86.5	94.0	77.3	89.0	87.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **500**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-1, JT15D-1A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Engine intermix**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6330	5,376	5,148	86.5	94.0	78.5	89.0	87.7	98.0	-
A6331	5,216	4,990	86.5	94.0	77.8	89.0	87.7	98.0	-
A6332	4,921	4,717	86.5	94.0	77.3	89.0	87.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **500**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-1, JT15D-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Engine intermix**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6333	5,376	5,148	86.5	94.0	78.5	89.0	87.7	98.0	-
A6334	5,216	4,990	86.5	94.0	77.8	89.0	87.7	98.0	-
A6335	4,921	4,717	86.5	94.0	77.3	89.0	87.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **500**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-1A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **With or without thrust reverser**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4898	5,376	5,148	86.5	94.0	78.5	89.0	87.7	98.0	-
A4895	5,216	4,990	86.5	94.0	77.8	89.0	87.7	98.0	-
A4893	4,921	4,717	86.5	94.0	77.3	89.0	87.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **500**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-1A, JT15D-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Engine intermix**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6336	5,376	5,148	86.5	94.0	78.5	89.0	87.7	98.0	-
A6337	5,216	4,990	86.5	94.0	77.8	89.0	87.7	98.0	-
A6338	4,921	4,717	86.5	94.0	77.3	89.0	87.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **500**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **With or without thrust reverser**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4899	5,376	5,148	86.5	94.0	78.5	89.0	87.7	98.0	-
A4896	5,216	4,990	86.5	94.0	77.8	89.0	87.7	98.0	-
A6329	4,921	4,717	86.5	94.0	77.3	89.0	87.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **550**
(Commercial Designation **Citation II)**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-4**

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 Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4903	6,396	6,124	86.4	94.0	71.6	89.0	90.8	98.0	-
A4902	6,033	5,761	86.7	94.0	80.1	89.0	90.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.**

Aircraft Type Designation¹ **550**
(Commercial Designation **Bravo**)

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.**

Engine Type Designation¹ **PW530A**

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 Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5651	6,713	6,123	85.2	94.0	73.7	89.0	91.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **560**
(Commercial Designation **Citation V**)

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-5A**

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 Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4906	7,212	6,895	94.7	94.0	83.7	89.0	88.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **560**
 (Commercial Designation **Citation Ultra)**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-5D**

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 Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1296	7,394	6,895	95.9	94.0	82.9	89.0	85.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **560**
(Commercial Designation **Encore)**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **PW535A**

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 Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1295	7,543	6,895	89.8	94.0	70.0	89.0	90.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **560**
(Commercial Designation **Encore +**)

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **PW535B**

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 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6301	7,634	6,895	89.6	94.0	71.5	89.0	90.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **560XL**
(Commercial Designation Citation Excel)

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **PW545A**

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 Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1294	9,072	8,482	84.8	94.0	72.0	89.0	93.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.**

Aircraft Type Designation¹ **560XL**
(Commercial Designation **Citation Excel**)

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.**

Engine Type Designation¹ **PW545A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹

SB 560XL-32-28

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A9788	9,163	8,482	85.0	94.0	72.4	89.0	93.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **560XL**
(Commercial Designation **XLS)**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **PW545B**

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 3 / Amendment 7** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A66	9,163	8,482	86.8	94.0	72.1	89.0	92.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.**

Aircraft Type Designation¹ **560XL**
(Commercial Designation **XLS+**)

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.**

Engine Type Designation¹ **PW545C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

For S/N 560-6318, S/N 560-6322 and on (Increased MTOM and certification to Chapter 14)

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 ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19696	9,222	8,482	86.8	94.0	72.3	89.0	92.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **560XL**
(Commercial Designation **XLS+**)

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **PW545C**

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 3 / Amendment 7** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A10106	9,163	8,482	86.8	94.0	72.2	89.0	92.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Textron Aviation Inc.** Aircraft Type Designation¹ **S550**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **JT15D-4B**

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 Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19726	6,668	6,350	91.6	94.0	87.9	89.0	85.1	98.0	-
A4890	6,849	6,532	91.5	94.0	88.7	89.0	86.2	98.0	2

¹ 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.207 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. Applicable also for S/N S550-0001 thru -0085 fitted with SBS550-11-1



Change Record

Issue	Date	Changes
Issue 1	18 September 2007	Initial Issue
Issue 2	15 January 2008	Revised
Issue 3	28 September 2008	Revised
Issue 4	26 February 2009	Revised
Issue 5	05 March 2009	Revised
Issue 6	03 April 2009	Revised
Issue 7	02 May 2017	TC holder name revised
Issue 8	23 May 2022	Record A19696 added (Increased MTOM and recertification to Chapter 14 for 560 XLS (XLS+) model), type designations revised
Issue 9	06 July 2022	MTOM of record A19696 changed to 9,222 kg
Issue 10	06 September 2023	Records A4890 and A19726 added.

