



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 certificated 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 certified 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 | |
| A4891 | 6,900 | 6,500 | 91.5 | 94.0 | 88.7 | 89.0 | 86.2 | 98.0 | - |
| A4890 | 6,849 | 6,532 | 91.7 | 94.0 | 87.9 | 89.0 | 85.1 | 98.0 | - |

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.



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 |

