

European Aviation Safety Agency

EASA TYPE-CERTIFICATE DATA SHEET FOR NOISE

Cessna 500, 550, S550, 560, and 560XL

**Manufacturer:
Cessna Aircraft Company**
P.O. Box 7704
Wichita, Kansas 67277
USA

For models: 500, 550, S550, 560, 560XL

Issue 6, 03 April 2009

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Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 500 (Citation and Citation I)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-1**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	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

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 500 (Citation and Citation I)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-1, JT15D-1A**

Additional modifications essential to meet the requirements or needed to attain **Engine intermix**
the certificated noise levels *

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level *	Limit	Level *	Limit	Level *	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

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 500 (Citation and Citation I)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-1A**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	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

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 500 (Citation and Citation I)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-1, JT15D-1B**

Additional modifications essential to meet the requirements or needed to attain **Engine intermix**
the certificated noise levels *

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level *	Limit	Level *	Limit	Level *	Limit
6333	5.376	5.148	86,5	94,0	78,5	89,0	87,7	98,0
6334	5.216	4.990	86,5	94,0	77,8	89,0	87,7	98,0
6335	4.921	4.717	86,5	94,0	77,3	89,0	87,7	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 500 (Citation and Citation I)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-1A, JT15D-1B**

Additional modifications essential to meet the requirements or needed to attain **Engine intermix**
the certificated noise levels *

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (dB)	Limit (dB)	Level * (dB)	Limit (dB)	Level * (dB)	Limit (dB)
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

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 500 (Citation and Citation I)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-1B**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	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

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 550 (Citation II)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-4**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (dB)	Limit (dB)	Level * (dB)	Limit (dB)	Level * (dB)	Limit (dB)
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

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 550 (Bravo)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **PW 530A**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	Limit
A5651	6.713	6.123	85,2	94,0	73,7	89,0	91,2	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model S550 (Citation S/II)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-4B**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	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

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 560 (Citation V)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-5A**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	Limit
A4906	7.212	6.895	94,7	94,0	83,7	89,0	88,9	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 560 (Citation Ultra)**

Engine Manufacturer * **Pratt & Whitney** Engine Type Designation * **JT15D-5D**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	Limit
A1296	7.394	6.895	95,9	94,0	82,9	89,0	85,7	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 560 (Encore)**

Engine Manufacturer * **Pratt & Whitney Canada** Engine Type Designation * **PW 535A**

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	Limit
A1295	7.543	6.895	89,8	94,0	70,0	89,0	90,5	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 560 (Encore +)**

Engine Manufacturer * **Pratt & Whitney Canada** Engine Type Designation * **PW 535B**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3rd edition / Amendment 7** Chapter * **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	Limit
A6301	7.634	6.895	89,6	94,0	71,5	89,0	90,7	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 560 XL (Excel)**

Engine Manufacturer * **Pratt & Whitney Canada** Engine Type Designation * **PW 545A**

Additional modifications essential to meet the requirements or needed to attain **For Record A9788: SB 560XL-32-28**
the certificated noise levels *

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (dB)	Limit (dB)	Level * (dB)	Limit (dB)	Level * (dB)	Limit (dB)
A1294	9.072	8.482	84,8	94,0	72,0	89,0	93,1	98,0
A9788	9.163	8.482	85,0	94,0	72,4	89,0	93,1	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 560 XL (XLS)**
 Engine Manufacturer * **Pratt & Whitney Canada** Engine Type Designation * **PW 545B**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3rd Edition / Amendment 7** Chapter * **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	Limit
A66	9.163	8.482	86,8	94,0	72,1	89,0	92,8	98,0

* Items so marked shall be included on EASA Form 45.

Aircraft Manufacturer * **Cessna Aircraft Company** Aircraft Type Designation * **Model 560XL (XLS+)**
 Engine Manufacturer * **Pratt & Whitney Canada** Engine Type Designation * **PW 545C**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3rd Edition / Amendment 7** Chapter * **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off * (kg)	Landing * (kg)	Level * (kg)	Limit	Level * (kg)	Limit	Level * (kg)	Limit
A10106	9.163	8.482	86,8	94,0	72,2	89,0	92,8	98,0

* Items so marked shall be included on EASA Form 45.