

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

Piper Model PA-46

**Type Certificate Holder:
Piper Aircraft, Inc.**

2926 Piper Drive
Vero Beach, Florida 32960
U.S.A.

For models : PA-46-310P
PA-46-350P
PA-46-500TP
PA-46R-350T

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Type Certificate Holder* **Piper Aircraft, Inc.** Aircraft Type Designation* **PA-46-310P**
 Engine Manufacturer* **Teledyne Continental** Engine Type Designation* **TSIO-520-BE()**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C4487	Hartzell Propeller Inc.	BHC-C2YF-1BF/F8052()	none	1.860	74,8	80,0

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

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **Piper Aircraft, Inc.** Aircraft Type Designation* **PA-46-350P**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **TIO-540-AE2A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C4503	Hartzell Propeller Inc.	HC-I2YR-1BF/F8074()	none	1.950	74,1	80,0

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Type Certificate Holder * **Piper Aircraft, Inc.** Aircraft Type Designation * **PA-46-350P**
 Engine Manufacturer * **Lycoming** Engine Type Designation * **TIO-540-AE2A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter * **10 (10.4a)**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Take-off dB(A)	
					Level *	Limit
C5167	Hartzell Propeller Inc.	HC-I3YR-1E/7890K	none	1.969	83,1	88,0
C4504	Hartzell Propeller Inc.	HC-I2YR-1BF/F8074()	none	1.950	80,3	88,0
C137	Hartzell Propeller Inc.	HC-I3YR-1E/7890K	none	1.950	83,1	88,0

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Type Certificate Holder* **Piper Aircraft, Inc.** Aircraft Type Designation* **PA-46-350P**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **TIO-540-AE2A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10 (10.4b)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C9916	Hartzell Propeller Inc.	HC-I3Y1R-1N/N7605()+2	none	1.969	81,0	85,0

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Type Certificate Holder * **Piper Aircraft, Inc.** Aircraft Type Designation * **PA-46-500TP**
 Engine Manufacturer * **Pratt & Whitney Canada** Engine Type Designation * **PT6A-42A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter * **10**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Take-off dB(A)	
					Level *	Limit
C140	Hartzell Propeller Inc.	HC-E4N-3Q/E8501B-3.5	none	2.310	76,8	88,0

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Type Certificate Holder* **Piper Aircraft, Inc.** Aircraft Type Designation* **PA-46-500TP**
 Engine Manufacturer* **Pratt & Whitney Canada** Engine Type Designation* **PT6A-42A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10 (10.4b)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C139	Hartzell Propeller Inc.	HC-E4N-3Q/E8501B-3.5	none	2.200	73,7	85,0
C4521	Hartzell Propeller Inc.	HC-E4N-3Q/E8501B-3.5	none	1.999	72,0	85,0

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Type Certificate Holder * **Piper Aircraft, Inc.** Aircraft Type Designation * **PA-46R-350T**
 Engine Manufacturer * **Lycoming** Engine Type Designation * **TIO-540-AE2A**
 Noise Certification Basis **ICAO Annex16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter * **10 (10.4b)**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Take-off dB(A)	
					Level *	Limit
C5712	Hartzell Propeller Inc.	HC-I3YR-1E/7890B	none	1.969	81,3	85,0
C5711	Hartzell Propeller Inc.	HC-I3YR-1E/7890K	none	1.969	81,3	85,0

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Change Record

Issue	Date	Changes
Issue 1	22 October 2007	Initial Issue
Issue 2	20 October 2008	Revised
Issue 3	03 March 2011	Added records C5167 and C9916