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## TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.A.077**

**for**

**Piper 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-46-600TP  
PA-46R-350T



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Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-46-310P**

Engine Manufacturer<sup>1</sup>      **Teledyne Continental**      Engine Type Designation<sup>1</sup>      **TSIO-520-BE()**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C4487	<b>Hartzell Propeller Inc.</b>	<b>BHC-C2YF-1BF/F8052()</b>	<b>none</b>	<b>1,860</b>	<b>74.8</b>	<b>80.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-46-350P**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **TIO-540-AE2A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **6**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Overflight dB(A)		See Note
					Level <sup>1</sup>	Limit	
C4503	<b>Hartzell Propeller Inc.</b>	<b>HC-I2YR-1BF/F8074()</b>	<b>none</b>	<b>1,950</b>	<b>74.1</b>	<b>80.0</b>	-

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

Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-46-350P**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **TIO-540-AE2A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4a)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C5167	<b>Hartzell Propeller Inc.</b>	<b>HC-I3YR-1E/7890K</b>	<b>none</b>	<b>1,969</b>	<b>83.1</b>	<b>88.0</b>	-
C4504	<b>Hartzell Propeller Inc.</b>	<b>HC-I2YR-1BF/F8074()</b>	<b>none</b>	<b>1,950</b>	<b>80.3</b>	<b>88.0</b>	-
C137	<b>Hartzell Propeller Inc.</b>	<b>HC-I3YR-1E/7890K</b>	<b>none</b>	<b>1,950</b>	<b>83.1</b>	<b>88.0</b>	-

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

Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-46-350P**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **TIO-540-AE2A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4b)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C9916	<b>Hartzell Propeller Inc.</b>	<b>HC-I3Y1R-1N/N7605()+2</b>	<b>none</b>	<b>1,969</b>	<b>81.0</b>	<b>85.0</b>	-

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

Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-46-500TP**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-42A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4b)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C140	<b>Hartzell Propeller Inc.</b>	<b>HC-E4N-3Q/E8501B-3.5</b>	<b>none</b>	<b>2,310</b>	<b>76.8</b>	<b>85.0</b>	-
C139	<b>Hartzell Propeller Inc.</b>	<b>HC-E4N-3Q/E8501B-3.5</b>	<b>none</b>	<b>2,200</b>	<b>73.7</b>	<b>85.0</b>	-
C4521	<b>Hartzell Propeller Inc.</b>	<b>HC-E4N-3Q/E8501B-3.5</b>	<b>none</b>	<b>1,999</b>	<b>72.0</b>	<b>85.0</b>	-

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

Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-46-600TP**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-42A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **7 Edition / Amendment B**      Chapter<sup>1</sup>      **10 (10.4b)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C13539	<b>Hartzell Propeller Inc.</b>	<b>5D3-N338A1/78D01B</b>	<b>none</b>	<b>2,721</b>	<b>75.8</b>	<b>85.0</b>	-
C13436	<b>Hartzell Propeller Inc.</b>	<b>HC-E4N-3Q/E8501K-3.5</b>	<b>none</b>	<b>2,721</b>	<b>75.8</b>	<b>85.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-46R-350T**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **TIO-540-AE2A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4b)**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C9917	<b>Hartzell Propeller Inc.</b>	<b>HC-I3Y1R-1N/N7605()+2</b>	<b>none</b>	<b>1,969</b>	<b>81.0</b>	<b>85.0</b>	-
C5712	<b>Hartzell Propeller Inc.</b>	<b>HC-I3YR-1E/7890B</b>	<b>none</b>	<b>1,969</b>	<b>81.3</b>	<b>85.0</b>	-
C5711	<b>Hartzell Propeller Inc.</b>	<b>HC-I3YR-1E/7890K</b>	<b>none</b>	<b>1,969</b>	<b>81.3</b>	<b>85.0</b>	-

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

**TCDSN EASA.IM.A.077 Notes**

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

### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	22 October 2007	Initial Issue
Issue 2	20 October 2008	Revised
Issue 3	03 March 2011	Added records C5167 and C9916
Issue 4	19 August 2013	Added record C9917.
Issue 5	05 September 2017	Added model PA-46-600TP
Issue 6	27 October 2017	Added record C13539
Issue 7	19 June 2018	Revised

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