
TYPE-CERTIFICATE DATA SHEET FOR NOISE

UK.TC.A.00022

for

Piper PA-46

Type Certificate holder

Piper Aircraft, Inc.

2926 Piper Drive

Vero Beach

Florida 32960

U.S.A.

Model(s): PA-46-310P (Malibu)
PA-46-350P (Malibu Mirage)
PA-46-500TP (Malibu Meridian)
PA-46-600TP (M600)
PA-46R-350T (Malibu Matrix)

Issue: 2

Date of issue: 02 September 2022

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Type Designation	Airframe Modification	MTOW (kg)	Engine	Engine Modification	Muffler	Propeller	Regulation Ed./Amend. Chapter	Level dB(A)	Limit dB(A)	Notes	Record Number
PA-46-310P	None	1,860	Teledyne Continental TSIO-520-BE()	None	None	Hartzell Propeller Inc. BHC-C2YF-1BF/F8052()	Annex 16 Chapter 6	74.8	80.0	None	C4487
PA-46-350P	None	1,950	Lycoming TIO-540-AE2A	None	None	Hartzell Propeller Inc. HC-I2YR-1BF/F8074()	Annex 16 Chapter 6	74.1	80.0	None	C4503
PA-46-350P	None	1,950	Lycoming TIO-540-AE2A	None	None	Hartzell Propeller Inc. HC-I3YR-1E/7890K	Annex 16 Chapter 10 (10.4a)	83.1	88.0	None	C137
PA-46-350P	None	1,968	Lycoming TIO-540-AE2A	None	None	Hartzell Propeller Inc. HC-I3Y1R-1N/N7605()+2	Annex 16 5/9 Chapter 10 (10.4b)	81.0	85.0	None	C9916
PA-46-350P	None	1,968	Lycoming TIO-540-AE2A	None	None	Hartzell Propeller Inc. HC-I3YR-1E/7890K	Annex 16 Chapter 10 (10.4a)	83.1	88.0	None	C5167
PA-46-500TP	None	1,999	Pratt & Whitney Canada PT6A-42A	None	None	Hartzell Propeller Inc. HC-E4N-3Q/E8501B-3.5	Annex 16 Chapter 10 (10.4b)	72.0	85.0	None	C4521
PA-46-500TP	None	2,200	Pratt & Whitney Canada PT6A-42A	None	None	Hartzell Propeller Inc. HC-E4N-3Q/E8501B-3.5	Annex 16 Chapter 10 (10.4b)	73.7	85.0	None	C139
PA-46-500TP	None	2,310	Pratt & Whitney Canada PT6A-42A	None	None	Hartzell Propeller Inc. HC-E4N-3Q/E8501B-3.5	Annex 16 Chapter 10 (10.4b)	76.8	85.0	None	C140
PA-46-600TP	None	2,722	Pratt & Whitney Canada PT6A-42A	None	None	Hartzell Propeller Inc. 5D3-N338A1/78D01B	Annex 16 7/11-B Chapter 10 (10.4b)	75.8	85.0	None	C13539
PA-46-600TP	None	2,722	Pratt & Whitney Canada PT6A-42A	None	None	Hartzell Propeller Inc. HC-E4N-3Q/E8501K-3.5	Annex 16 7/11-B Chapter 10 (10.4b)	75.8	85.0	None	C13436
PA-46R-350T	None	1,969	Lycoming TIO-540-AE2A	None	None	Hartzell Propeller Inc. HC-I3Y1R-1N/N7605()+2	Annex 16 5/9 Chapter 10 (10.4b)	81.0	85.0	None	C9917
PA-46R-350T	None	1,969	Lycoming TIO-540-AE2A	None	None	Hartzell Propeller Inc. HC-I3YR-1E/7890B	Annex 16 3/7 Chapter 10 (10.4b)	81.3	85.0	None	C5712
PA-46R-350T	None	1,969	Lycoming TIO-540-AE2A	None	None	Hartzell Propeller Inc. HC-I3YR-1E/7890K	Annex 16 3/7 Chapter 10 (10.4b)	81.3	85.0	None	C5711

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Administration

I. Acronyms and Abbreviations

Acronym / Abbreviation	Definition
dB(A)	Maximum A-weighted noise level
Ed./Amend.	Edition/Amendment
MTOW	Maximum take-off weight
Regulation Annex 16/I	ICAO Annex 16 Volume I
TCDSN	Type Certificate Datasheet for Noise

II. Type Certificate Holder Record

TCH Record	Period
Piper Aircraft, Inc. 2926 Piper Drive Vero Beach Florida 32960 U.S.A.	Present. No changes.

III. Amendment Record

TCDSN Issue No.	TCDSN Issue Date	Changes	TC Issue and Date
1	03 March 2022	Initial	Issue 1 03 March 2022
2	02 September 2022	Certification basis revised for Records C9916, C5167 & C9917, MTOW revised for Records C9916 & C5167	Issue 1 03 March 2022