



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.059

for

P.180 Series

Type Certificate Holder:

Piaggio Aviation SpA

Viale Generale Disegna 1

17038 - Villanova d'Albenga (SV)

Italy

For models: P.180 Avanti
P.180 Avanti II



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Type Certificate Holder¹ **Piaggio Aviation SpA** Aircraft Type Designation¹ **P.180 Avanti**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PT6A-66**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C4964	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()L/LE8218	none	5,489	87.4	88.0	-
C5162	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()L/LE8218	none	5,239	86.4	88.0	-

¹ See Note 1.

Type Certificate Holder¹ **Piaggio Aviation SpA** Aircraft Type Designation¹ **P.180 Avanti**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PT6A-66B**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C5076	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()L/LE8218	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,489	87.4	88.0	-
C5163	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()L/LE8218	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,239	86.4	88.0	-

¹ See Note 1.



Type Certificate Holder¹ **Piaggio Aviation SpA** Aircraft Type Designation¹ **P.180 Avanti II**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PT6A-66**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter¹ **10 (10.4a)**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C4965	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()L/LE8218	none	5,489	87.4	88.0	-
C5164	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()L/LE8218	none	5,239	86.4	88.0	-

¹ See Note 1.

Type Certificate Holder ¹	Piaggio Aviation SpA	Aircraft Type Designation ¹	P.180 Avanti II
Engine Manufacturer ¹	Pratt & Whitney Canada	Engine Type Designation ¹	PT6A-66B
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	6 Edition / Amendment 0
		Chapter ¹	10 (10.4a)

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C12131	Hartzell Propeller Inc.	HC-E5N-3()/HE8492, HC-E5N-3()/LE8492	DMT 80-1121 (Installation of Winglets), DMT 80-1117 (Modifications of engine exhaust outlets)	5,489	84.5	88.0	-
C5078	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()/LE8218	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,489	87.4	88.0	-
C12659	Hartzell Propeller Inc.	HC-E5N-3()/HE8492, HC-E5N-3()/LE8492	DMT 80-1121 (Installation of Winglets), DMT 80-1117 (Modifications of engine exhaust outlets)	5,239	84.5	88.0	-
C5165	Hartzell Propeller Inc.	HC-E5N-3()/HE8218, HC-E5N-3()/LE8218	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,239	86.4	88.0	-

¹ See Note 1.



TCDSN EASA.A.059 Notes

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

Change Record

Issue	Date	Changes
Issue 1	29 January 2007	Initial Issue
Issue 2	05 June 2007	Revised
Issue 3	23 April 2008	Revised
Issue 4	13 April 2011	Changed noise level of records C5162-C5165 to 86,4 dB(A).
Issue 5	28 November 2014	Added record C12131 (winglets installation and powerplant modifications)
Issue 6	27 November 2015	Revised
Issue 7	08 November 2016	Added record C12659
Issue 8	17 April 2018	TC holder revised

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