

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



TCDSN EASA.A.059 Page 2 of 8 Issue: 8 Date: 17 April 2018

INTENTIONALLY LEFT BLANK

Issue: 8

Page 3 of 8 Date: 17 April 2018

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)

EACA	Dranellar	Dranallar Tuna	Additional modifications essential to meet the	Maximum	Take-off dB(A)		See
EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	Note
C4964	Hartzell	HC-E5N-3()/HE8218, HC-E5N-	none	5,489	87.4	88.0	_
C1304	Propeller Inc.	3()L/LE8218	none	3,403	07.4	00.0	
CE163	Hartzell	HC-E5N-3()/HE8218, HC-E5N-		F 220	86.4	00.0	
C5162	Propeller Inc.	3()L/LE8218	none	5,239	00.4	88.0	-

¹ See Note 1.



Page 4 of 8 Date: 17 April 2018 Issue: 8

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

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

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

ΓΛΩ	Duonallan	Dranallar Tima	Additional modifications essential to meet the	Maximum	Take-off dB(A)		Coo
EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass¹ (kg)	Level ¹	Limit	See Note
C5076	Hartzell	HC-E5N-3()/HE8218, HC-E5N-	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,489	87.4	88.0	
C3070	Propeller Inc.	3()L/LE8218	80-0037 01 3D 80-0231 (Flat lated to 034 kW)	3,489	07.4	88.0	-
CE162	Hartzell	HC-E5N-3()/HE8218, HC-E5N-	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,239	86.4	88.0	
C5163	Propeller Inc.	3()L/LE8218	60-0037 01 3B 60-0231 (Flat rated to 634 kW)	3,239	ou.4	00.0	-

¹ See Note 1.



TC.CERT.00080-001 (c) European Aviation Safety Agency, 2014. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet Issue: 8

Page 5 of 8 Date: 17 April 2018

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)

ΓΛΩ	Duonallan	Dranallar Tima	Additional modifications essential to meet the	Maximum	Take-off dB(A)		Coo
EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass¹ (kg)	Level ¹	Limit	See Note
C4965	Hartzell	HC-E5N-3()/HE8218, HC-E5N-	none	5,489	87.4	88.0	_
C4903	Propeller Inc.	3()L/LE8218	none	3,489	87.4	88.0	-
CE164	Hartzell	HC-E5N-3()/HE8218, HC-E5N-	none	5,239	86.4	88.0	
C5164	Propeller Inc.	3()L/LE8218	none	5,259	00.4	00.0	-

¹ See Note 1.



Issue: 8

Page 6 of 8 Date: 17 April 2018

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

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

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6 Edition / Amendment 0 Chapter¹ 10 (10.4a)

FACA	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 dB(A)		Coo
EASA Record No.				Take-off mass¹ (kg)	Level ¹	Limit	See Note
C12131	Hartzell	HC-E5N-3()/HE8492, HC-E5N-	DMT 80-1121 (Installation of Winglets), DMT 80-	E 490	84.5	88.0	
C12151	Propeller Inc.	3()/LE8492	1117 (Modifications of engine exhaust outlets)	5,489	04.5	88.0	-
C5078	Hartzell	HC-E5N-3()/HE8218, HC-E5N-	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,489	87.4	88.0	
C3078	Propeller Inc.	3()L/LE8218	80-0057 01 3B 80-0251 (Flat lated to 054 kW)				-
C12659	Hartzell	HC-E5N-3()/HE8492, HC-E5N-	DMT 80-1121 (Installation of Winglets), DMT 80-	5.239	84.5	88.0	
C12039	Propeller Inc.	3()/LE8492	1117 (Modifications of engine exhaust outlets)	5,239	04.5	88.0	-
C5165	Hartzell	HC-E5N-3()/HE8218, HC-E5N-	80-0657 or SB 80-0231 (Flat rated to 634 kW)	5,239	96.4	6.4 88.0	
C3165	Propeller Inc.	3()L/LE8218	60-0037 of 3B 60-0231 (Flat fateu to 634 kW)	5,239	00.4		-

¹ See Note 1.



TC.CERT.00080-001 (c) European Aviation Safety Agency, 2014. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet

TCDSN EASA.A.059

Issue: 8

Page 7 of 8

Date: 17 April 2018

TCDSN EASA.A.059 Notes

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



TCDSN EASA.A.059

Issue: 8

Page 8 of 8

Date: 17 April 2018

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