

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

Piaggio P.180

**Type Certificate Holder:
Piaggio Aero Industries S.p.A.**

Viale Castro Pretorio, 116 - 00185 Roma
ITALY

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

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Type Certificate Holder* **Piaggio Aero Industries S.p.A.** Aircraft Type Designation* **P.180 Avanti**
 Engine Manufacturer* **Pratt & Whitney Canada** Engine Type Designation* **PT6A-66**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** 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 |
| C4964 | Hartzell Propeller Inc. | HC-E5N-3()/HE8218, HC-E5N-3()/LE8218 | none | 5.489 | 87,4 | 88,0 |
| C5162 | Hartzell Propeller Inc. | HC-E5N-3()/HE8218, HC-E5N-3()/LE8218 | none | 5.239 | 86,4 | 88,0 |

* 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* **Piaggio Aero Industries S.p.A.** Aircraft Type Designation* **P.180 Avanti**
 Engine Manufacturer* **Pratt & Whitney Canada** Engine Type Designation* **PT6A-66B**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** 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 |
| C5076 | 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 |
| C5163 | 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 |

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

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Type Certificate Holder* **Piaggio Aero Industries S.p.A.** Aircraft Type Designation* **P.180 Avanti II**
 Engine Manufacturer* **Pratt & Whitney Canada** Engine Type Designation* **PT6A-66**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** 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 |
| C4965 | Hartzell Propeller Inc. | HC-E5N-3()/HE8218, HC-E5N-3()/LE8218 | none | 5.489 | 87,4 | 88,0 |
| C5164 | Hartzell Propeller Inc. | HC-E5N-3()/HE8218, HC-E5N-3()/LE8218 | none | 5.239 | 86,4 | 88,0 |

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** 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* **Piaggio Aero Industries S.p.A.** Aircraft Type Designation* **P.180 Avanti II**
 Engine Manufacturer* **Pratt & Whitney Canada** Engine Type Designation* **PT6A-66B**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** 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 |
| 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 |
| 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 |

* 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

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). |