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## TYPE-CERTIFICATE DATA SHEET

No. EASA.IM.E.008  
Issue 05

**for**  
PT6A-67 Series Engines

**Type Certificate Holder**  
Pratt and Whitney Canada Corp.

1000 Marie Victorin  
Longueuil, Québec, J4G 1A1  
Canada

For Models:

PT6A-67  
PT6A-67A  
PT6A-67B  
PT6A-67D  
PT6A-67R  
PT6A-67T  
PT6A-67AF  
PT6A-67AG  
PT6A-64  
PT6A-66  
PT6A-66A  
PT6A-66D  
PT6A-66B  
PT6A-67F  
PT6A-67P  
PT6E-67XP



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## Table of Contents

|   |           |
|---|-----------|
| <b>I. General</b> .....   | <b>4</b>  |
| 1. Type/ Model .....  | 4         |
| 2. Type Certificate Holder .....  | 4         |
| 3. Manufacturer.....  | 4         |
| 4. Date of Application .....  | 4         |
| 5. EASA Type Certification Date .....   | 4         |
| <b>II. Certification Basis</b> .....  | <b>5</b>  |
| 1. State of Design Authority Certification Basis:.....                            | 5         |
| 2. Reference Date for determining the applicable airworthiness requirements:..... | 5         |
| 3. EASA Certification Basis .....   | 5         |
| 3.1. Airworthiness Standards.....   | 5         |
| 3.2. Special Conditions (SC).....   | 5         |
| 3.3. Equivalent Safety Findings (ESF).....  | 5         |
| 3.4. Deviations.....  | 5         |
| 3.5. Environmental Protection .....   | 5         |
| <b>III. Technical Characteristics</b> .....                                       | <b>6</b>  |
| 1. Type Design Definition .....   | 6         |
| 2. Description .....  | 6         |
| 3. Equipment .....  | 6         |
| 4. Dimensions and Dry Weight.....   | 6         |
| 5. Ratings.....   | 7         |
| 6. Control System .....   | 8         |
| 7. Fluids (Fuel, Oil, Coolant, Additives) .....                                   | 8         |
| 8. Aircraft Accessory Drives .....  | 8         |
| 9. Maximum Permissible Air Bleed Extraction .....                                 | 8         |
| <b>IV. Operational Limits</b> .....   | <b>9</b>  |
| 1. Temperature Limits.....  | 9         |
| 2. Speed Limits .....   | 10        |
| 3. Maximum Permissible Torque Limits (Nm): .....                                  | 11        |
| 4. Pressure Limits.....   | 11        |
| 4.1 Fuel Pump Inlet Pressure .....  | 11        |
| 4.2 Oil Pressure Limits .....   | 11        |
| 5. Time Limited Dispatch: .....   | 11        |
| 6. ETOPS Capability.....  | 12        |
| <b>V. Operating and Service Instructions</b> .....                                | <b>12</b> |
| <b>VI. Notes</b> .....  | <b>13</b> |
| <b>SECTION: ADMINISTRATIVE</b> .....  | <b>16</b> |
| I. Acronyms and Abbreviations .....   | 16        |
| II. Type Certificate Holder Record .....  | 16        |
| III. Change Record.....   | 16        |



## **I. General**

### **1. Type/ Model**

PT6A-67 / PT6A-67, PT6A-67A, PT6A-67B, PT6A-67D, PT6A-67R, PT6A-67T, PT6A-67AF,  
PT6A-67AG, PT6A-64, PT6A-66, PT6A-66A, PT6A-66D, PT6A-66B, PT6A-67F, PT6A-67P,  
PT6E-67XP

### **2. Type Certificate Holder**

Pratt and Whitney Canada Corp.  
1000 Marie Victorin  
Longueuil, Québec, J4G 1A1  
Canada

### **3. Manufacturer**

Pratt and Whitney Canada Corp.

### **4. Date of Application**

31 October 2002  
18 May 2005 for PT6A-66D  
03 April 2006 for PT6A-66B  
11 May 2005 for PT6A-67F  
09 February 2007 for PT6A-67P  
01 May 2017 for PT6E-67XP

### **5. EASA Type Certification Date**

|                 |               |               |                  |                  |
|-----------------|---------------|---------------|------------------|------------------|
| PT6A-64         | PT6A-66       | PT6A-67       | PT6A-67B         | PT6A-67D         |
| 31 January 1990 | 31 March 1987 | 31 March 1987 | 16 December 1991 | 15 February 1994 |

|               |                 |                 |                 |                 |
|---------------|-----------------|-----------------|-----------------|-----------------|
| PT6A-67R      | PT6A-66A        | PT6A-67A        | PT6A-67T        | PT6A-67AF       |
| 10 March 1987 | 01 October 2004 | 01 October 2004 | 01 October 2004 | 01 October 2004 |

|                 |                  |                 |                  |
|-----------------|------------------|-----------------|------------------|
| PT6A-67AG       | PT6A-66D         | PT6A-66B        | PT6A-67F         |
| 01 October 2004 | 22 November 2005 | 05 January 2007 | 20 December 2007 |

|                  |                 |  |  |
|------------------|-----------------|--|--|
| PT6A-67P         | PT6E-67XP       |  |  |
| 20 December 2007 | 11 October 2019 |  |  |

EASA Type-Certification for some of the PT6A-67 series engine models is granted, in accordance with Article 2 paragraph 3(a) of EU Commission Regulation EC 1702/2003, based on the respective CAA United Kingdom, DGAC France, LBA Germany and AustroControl validation letters issued following NAA approvals prior to 28 September 2003.



## **II. Certification Basis**

### **1. State of Design Authority Certification Basis:**

see Transport Canada TCDS E-21

### **2. Reference Date for determining the applicable airworthiness requirements:**

27 March 1985  
5 April 2016 for PT6E-67XP

### **3. EASA Certification Basis**

#### **3.1. Airworthiness Standards**

JAR E Change 7, except for PT6A-66D, PT6A-66B, PT6A-67F, PT6A-67P  
CS-E, initial issue, dated 24 October 2003 for PT6A-66D, PT6A-66B, PT6A-67F, PT6A-67P  
CS-E Amendment 4, dated 12 March 2015 for PT6E-67XP

#### **3.2. Special Conditions (SC)**

SC1 – Ingestion of rain and hail (E790 of JAR-E Change 10) (except for PT6A-66D, PT6A-66B,  
PT6A-67F, PT6A-67P, PT6E-67XP)

#### **3.3. Equivalent Safety Findings (ESF)**

Except for PT6A-66D, PT6A-66B, PT6A-67F, PT6A-67P, PT6E-67XP:  
C3-4, 2.2, Pressure Tests  
C3-4, 6.6.4(b), Temperatures  
C3-4 para 22.1, Rotor Integrity

For PT6A-66D, PT6A-66B, PT6A-67F, PT6A-67P:  
CS-E 560(b)(2), provision of Impending Fuel Filter Blockage Indication

For PT6A-66D, PT6A-66B:  
CS-E 740(f), Endurance Test Temperatures

#### **3.4. Deviations**

None

#### **3.5. Environmental Protection**

Fuel Venting :  
EC 1702/2003 Annex Part 21A.18(b), 27 September 2003.  
CS-34 Amendment 2, Fuel Venting (PT6E-67XP)



### **III. Technical Characteristics**

#### **1. Type Design Definition**

As defined by the applicable PT6A-67, PT6A-67A, PT6A-67B, PT6A-67D, PT6A-67R, PT6A-67T, PT6A-67AF, PT6A-67AG, PT6A-64, PT6A-66, PT6A-66A, PT6A-66D, PT6A-66B, PT6A-67F, PT6A-67P and PT6E-67XP Engine Parts Lists.

PT6A-67: No. 3118300

PT6A-67A: No. 3036700

PT6A-67B: No. 3042200

PT6A-67D: No. 3044800

PT6A-67R: No. 3039500

PT6A-67T: No. 3039500

PT6A-67AF: No. 3039500

PT6A-67AG: No. 3039500

PT6A-64: No. 3045400

PT6A-66: No. 3037000

PT6A-66A: No. 3045400

PT6A-66D: No. 3071016

PT6A-66B: No. 3072196

PT6A-67F: No. 3071188

PT6A-67P: No. 3072955

PT6E-67XP: No. 3126995

#### **2. Description**

The PT6A and PT6E series turboprop engine comprises a 2 stage reduction gearbox, 2 stage power turbine, single stage gas generator turbine and 5 stage gas generator compressor (4 axial, 1 centrifugal). The fuel control is purely hydro-mechanical (except PT6E-67XP which has an electronic control system). The accessory gearbox design is common for all PT6A series with the exception of the PT6A-67P and PT6E-67XP which has a mounting provision for a second generator unit.

#### **3. Equipment**

Engine equipment is specified by the applicable Type Design Definition.

#### **4. Dimensions and Dry Weight**

For further details on weights refer to the appropriate engine model Installation Manual. For the PT6A engines, Installation Manual 3121073 Section 4. For the PT6A-67F, Installation Manual 3078709 section 4. For the PT6E-67XP engine, Installation Manual 3133776 section 5.



| Engine Model | Overall Length (mm) | Overall Diameter (mm) | Dry Spec. Weight (kg) |
|--------------|---------------------|-----------------------|-----------------------|
| PT6A-66      | 1771.7              | 466.1                 | 206.8/213.2*          |
| PT6A-67      | 1888.5              | 466.1                 | 229.5                 |
| PT6A-67A     | 1888.5              | 466.1                 | 229.5                 |
| PT6A-67R     | 1913.1              | 466.1                 | 233.6                 |
| PT6A-67AF    | 1921.5              | 466.1                 | 241.3                 |
| PT6A-64      | 1767.3              | 466.1                 | 206.8                 |
| PT6A-67B     | 1921.5              | 466.1                 | 234.5                 |
| PT6A-67D     | 1888.5              | 466.1                 | 233.5                 |
| PT6A-67AG    | 1921.5              | 466.1                 | 235.8                 |
| PT6A-66A     | 1777.0              | 466.1                 | 206.8                 |
| PT6A-67T     | 1913.1              | 466.1                 | 233.6                 |
| PT6A-66D     | 1777.0              | 466.1                 | 206.8                 |
| PT6A-66B     | 1771.7              | 466.1                 | 206.8/213.2*          |
| PT6A-67F     | 1913.1              | 466.1                 | 259.3                 |
| PT6A-67P     | 1921.5              | 466.1                 | 251.2                 |
| PT6E-67XP    | 1870.9              | 481.8                 | 270.3                 |

\* Weight for Standard Rotation and Reverse Rotation engine.

## 5. Ratings

| Engine Model | Maximum Continuous Power (kW) | Take-off Power (5 minutes) (kW) |
|--------------|-------------------------------|---------------------------------|
| PT6A-66      | 634                           | 634                             |
| PT6A-67      | 895                           | 895                             |
| PT6A-67A     | 895                           | 895                             |
| PT6A-67R     | 910                           | 1062                            |
| PT6A-67AF    | 910                           | 1062                            |
| PT6A-64      | 522                           | 522                             |
| PT6A-67B     | 895                           | 895                             |
| PT6A-67D     | 906                           | 954                             |
| PT6A-67AG    | 910                           | 1006                            |
| PT6A-66A     | 634                           | 634                             |
| PT6A-67T     | 910                           | 1062                            |
| PT6A-66D     | 634                           | 634                             |
| PT6A-66B     | 709                           | 709                             |
| PT6A-67F     | 1268                          | 1268                            |
| PT6A-67P     | 895                           | 895                             |
| PT6E-67XP    | 895                           | 895                             |



## 6. Control System

The PT6A series engine is controlled by a purely hydromechanical fuel control system. The PT6E-67XP is controlled by a dual channel Engine and Propeller Electronic Control System (EPECS). Refer to the applicable Illustrated Parts catalogue for part numbers.

## 7. Fluids (Fuel, Oil, Coolant, Additives)

See applicable Engine Maintenance Manual for specific approved oil, fuel and additives.

## 8. Aircraft Accessory Drives

For accessory drives specifications, including direction of rotation, drive speed ratio to engine speed, torque continuous pad rating and maximum overhung moment, refer to model specific Installation Manual.

## 9. Maximum Permissible Air Bleed Extraction

| Engine Model | Maximum External (%) | Maximum during Start (kg/min) |
|--------------|----------------------|-------------------------------|
| PT6A-66      | 7.5                  | 0.68                          |
| PT6A-67      | 5.25                 | 0.68                          |
| PT6A-67A     | 5.25                 | 0.68                          |
| PT6A-67R     | 5.25                 | 0.68                          |
| PT6A-67AF    | 5.25                 | 0.68                          |
| PT6A-64      | 7.5                  | 0.68                          |
| PT6A-67B     | 8.0                  | 0.68                          |
| PT6A-67D     | 5.25                 | 0.68                          |
| PT6A-67AG    | 5.25                 | 0.68                          |
| PT6A-66A     | 7.5                  | 0.68                          |
| PT6A-67T     | 5.25                 | 0.68                          |
| PT6A-66D     | 7.5                  | 0.68                          |
| PT6A-66B     | 7.5                  | 0.68                          |
| PT6A-67F     | 5.25                 | 0.68                          |
| PT6A-67P     | 8.0                  | 0.68                          |
| PT6E-67XP    | 8.0                  | 0.68                          |





## **IV. Operational Limits**

### **1. Temperature Limits**

#### **1.1 Maximum Interstage Turbine Temperature (ITT), °C :**

| Engine Model | Maximum Continuous (°C) | Take-off (5 minutes) (°C) | Starting (Ground and Air) (°C) |
|--------------|-------------------------|---------------------------|--------------------------------|
| PT6A-66      | 830                     | 830                       | 1000                           |
| PT6A-67      | 830                     | 840                       | 1000                           |
| PT6A-67A     | 840                     | 850                       | 1000                           |
| PT6A-67R     | 840                     | 855                       | 1000                           |
| PT6A-67AF    | 840                     | 855                       | 1000                           |
| PT6A-64      | 800                     | 800                       | 1000                           |
| PT6A-67B     | 800                     | 800                       | 1000                           |
| PT6A-67D     | 780                     | 800                       | 1000                           |
| PT6A-67AG    | 800                     | 800                       | 1000                           |
| PT6A-66A     | 800                     | 800                       | 1000                           |
| PT6A-67T     | 840                     | 855                       | 1000                           |
| PT6A-66D     | 840                     | 850                       | 1000                           |
| PT6A-66B     | 840                     | 850                       | 1000                           |
| PT6A-67F     | 870                     | 870                       | 1000                           |
| PT6A-67P     | 840                     | 850                       | 1000                           |
| PT6E-67XP    | 840                     | 850                       | 1000                           |

#### **1.2 Oil Temperature, °C :**

For further details refer to the appropriate engine model Installation Manual operating limits for oil temperature.

For the PT6A engines, Installation Manual 3121073 Section 2. For the PT6A-67F, Installation Manual 3078709 section 2. For the PT6E-67XP engine, Installation Manual 3133776 section 8.

|                              | PT6A-64,<br>PT6A-66A,<br>PT6A-66D | PT6A-67, PT6A-67A,<br>PT6A-67R, PT6A-67AF,<br>PT6A-67D, PT6A-67B,<br>PT6A-67AG, PT6A-66,<br>PT6A-67T, PT6A-66B,<br>PT6A-67F, PT6A-67P, | PT6E-67XP |
|------------------------------|-----------------------------------|--|-----------|
| Minimum                      | -40                               | -40  | -40       |
| Maximum Continuous Operation | 104                               | 110  | 105       |
| Maximum Ground Operation     | 110                               | 110  | 110       |
| Maximum (10 min)             | 110                               | ---  |           |

#### **1.3 Fuel Temperature**

Refer to the appropriate engine model Installation Manual operating limits for fuel temperature.

For the PT6A engines, Installation Manual 3121073 Section 2. For the PT6A-67F, Installation Manual 3078709 section 2. For the PT6E-67XP engine, Installation Manual 3133776 section 6.



## 2. Speed Limits

| Engine Model | Gas Generator (N1) (rpm) | Gas Generator (N1) (RPM) Transient | Power Turbine Module Output (N2) (rpm) | Power Turbine Module Output (N2) Transient (rpm) |
|--------------|--------------------------|------------------------------------|--|--|
| PT6A-66      | 39,000                   |                                    | 2000 (90.7%)                           | 2205 (100%)                                      |
| PT6A-67      | 39,000                   |                                    | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-67A     | 39,000                   | 39530 *, **                        | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-67R     | 39,000                   |                                    | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-67AF    | 39,000                   |                                    | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-64      | 39,000                   |                                    | 2000 (90.7%)                           | 2205 (100%)                                      |
| PT6A-67B     | 39,000                   |                                    | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-67D     | 39,000                   |                                    | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-67AG    | 39,000                   |                                    | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-66A     | 39,000                   |                                    | 2000 (90.7%)                           | 2205 (100%)                                      |
| PT6A-67T     | 39,000                   |                                    | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-66D     | 39,000                   | 39530 *, **                        | 2000 (90.7%)                           | 2205 (100%)                                      |
| PT6A-66B     | 39,000                   | 39530 *, **                        | 2000 (90.7%)                           | 2205 (100%)                                      |
| PT6A-67F     | 39,000                   | 39530 *                            | 1700 (100%)                            | 1870 (110%)                                      |
| PT6A-67P     | 39,000                   | 39530 *, **                        | 1700 (100%)                            | 1870 (110%)                                      |
| PT6E-67XP    | 39000                    | 39075 *                            | 1700 (100%)                            | 1870 (110%)                                      |

Propeller speed of 100% of 1700 rpm corresponds to power turbine speed of 29,894 rpm. The 100% propeller speed of 2000 rpm corresponds to power turbine speed of 30,145 rpm. For the PT6A-67F, 100% of 1700 RPM corresponds to power turbine speed of 29564 RPM.

\* Transient: 20 seconds

\*\* limited to 25 excursions between 39000 RPM and 39530 RPM



### 3. Maximum Permissible Torque Limits (Nm):

| Model     | Take-off<br>(5 min) | Alternate<br>Take-off | Maximum<br>Continuous | Transient<br>(20 sec.) |
|-----------|---------------------|-----------------------|-----------------------|------------------------|
| PT6A-66   | 3024                | N/A                   | 3024                  | 3729                   |
| PT6A-67   | 5028                | N/A                   | 5028                  | 6915                   |
| PT6A-67A  | 5028                | N/A                   | 5028                  | 6915                   |
| PT6A-67R  | 5966                | 5369                  | 5186                  | 6915                   |
| PT6A-67AF | 5966                | N/A                   | 5186                  | 6915                   |
| PT6A-64   | 3024                | N/A                   | 3024                  | 3729                   |
| PT6A-67B  | 5028                | N/A                   | 5028                  | 6915                   |
| PT6A-67D  | 5356                | N/A                   | 5084                  | 6915                   |
| PT6A-67AG | 5654                | N/A                   | 5111                  | 6915                   |
| PT6A-66A  | 3024                | N/A                   | 3024                  | 3729                   |
| PT6A-67T  | 5966                | N/A                   | 5186                  | 6915                   |
| PT6A-66D  | 3024                | N/A                   | 3024                  | 3729                   |
| PT6A-66B  | 3383                | N/A                   | 3383                  | 3729                   |
| PT6A-67F  | 7121                | N/A                   | 7121                  | 8260                   |
| PT6A-67P  | 5028                | N/A                   | 5028                  | 6915                   |
| PT6E-67XP | 5085                | N/A                   | 5085                  | 6915                   |

### 4. Pressure Limits

#### 4.1 Fuel Pump Inlet Pressure

Refer to the appropriate engine model Installation Manual operating limits for fuel pump inlet pressure. For the PT6A engines, Installation Manual 3121073 Section 2. For the PT6A-67F, Installation Manual 3078709 section 2. For the PT6E-67XP engine, Installation Manual 3133776 section 6.

#### 4.2 Oil Pressure Limits

Refer to the appropriate engine model installation manual operating limits for oil pressure. For the PT6A engines, Installation Manual 3121073 Section 2. For the PT6A-67F, Installation Manual 3078709 section 2. For the PT6E-67XP engine, Installation Manual 3133776 section 8.

PT6A-67, PT6A-67A, PT6A-67R, PT6A-67AF, PT6A-67B, PT6A-67D, PT6A-67AG, PT6A-66, PT6A-67T, PT6A-66B, PT6A-67F, PT6A-67P, PT6E-67XP:

Pressure range (gauge) 620.4 – 930.7 kPa (90-135 psi)

PT6A-64, PT6A-66A, PT6A-66D:

Pressure range (gauge) 689.4 – 930.7 kPa (100-135 psi)

### 5. Time Limited Dispatch:

Not applicable to PT6A Series engines.

PT6E-67XP: The engine is not approved for Time Limited Dispatch in accordance with CS-E 1030.



## 6. ETOPS Capability

The engines are not approved for ETOPS capability in accordance with CS-E 1040.

## V. Operating and Service Instructions

Manuals:

| Engine Model | Engine Operating Instructions | Engine Installation Manual | Control System Interface Control Document |
|--------------|-------------------------------|----------------------------|---|
| PT6A-66      | 3034638                       | 3121073                    | N/A                                       |
| PT6A-66A     | 3045336                       | 3121073                    | N/A                                       |
| PT6A-67      | 3034928                       | 3121073                    | N/A                                       |
| PT6A-67A     | 3037028                       | 3121073                    | N/A                                       |
| PT6A-67R     | 3034929                       | 3121073                    | N/A                                       |
| PT6A-67AF    | 3037035                       | 3121073                    | N/A                                       |
| PT6A-64      | 3037339                       | 3121073                    | N/A                                       |
| PT6A-67B     | 3038535                       | 3121073                    | N/A                                       |
| PT6A-67D     | 3036131                       | 3121073                    | N/A                                       |
| PT6A-67AG    | 3041181                       | 3121073                    | N/A                                       |
| PT6A-67T     | 3053378                       | 3121073                    | N/A                                       |
| PT6A-66D     | 3071159                       | 3121073                    | N/A                                       |
| PT6A-66B     | 3072150                       | 3121073                    | N/A                                       |
| PT6A-67F     | 3071158                       | 3078709                    | N/A                                       |
| PT6A-67P     | 3073490                       | 3121073                    | N/A                                       |
| PT6E-67XP    | see Instl. Manual             | 3133776                    | ER 8467                                   |



Instructions for Continued Airworthiness (ICA)

| Engine Model | Engine Maintenance Manual | Line Maintenance Manual | Engine Overhaul Manual | Service Bulletins |
|--------------|---------------------------|-------------------------|------------------------|-------------------|
| PT6A-66      | 3036122                   | N/A                     | 3036123                | 14000 Series      |
| PT6A-66A     | 3036122                   | N/A                     | 3036123                | 14000 Series      |
| PT6A-67      | 3036132                   | N/A                     | 3036133                | 14000 Series      |
| PT6A-67A     | 3036132                   | N/A                     | 3036133                | 14000 Series      |
| PT6A-67R     | 3036132                   | N/A                     | 3036133                | 14000 Series      |
| PT6A-67AF    | 3036132                   | N/A                     | 3036133                | 14000 Series      |
| PT6A-64      | 3038121                   | N/A                     | 3038322                | 14000 Series      |
| PT6A-67B     | 3038336                   | N/A                     | 3038337                | 14000 Series      |
| PT6A-67D     | 3038336                   | N/A                     | 3038337                | 14000 Series      |
| PT6A-67AG    | 3036132                   | N/A                     | 3036133                | 14000 Series      |
| PT6A-67T     | 3036132                   | N/A                     | 3036133                | 14000 Series      |
| PT6A-66D     | 3070902                   | N/A                     | 3070903                | 14000 Series      |
| PT6A-66B     | 3036122                   | N/A                     | 3036123                | 14000 Series      |
| PT6A-67F     | 3071152                   | N/A                     | 3071153                | 14000 Series      |
| PT6A-67P     | 3038336                   | N/A                     | 3038337                | 14000 Series      |
| PT6E-67XP    | 3076392                   | 3076102                 | 3076393                | 75000 Series      |

**VI. Notes**

1. The EASA approved Airworthiness Limitations Section of the Instructions for Continued Airworthiness is published in applicable maintenance manual, chapter “Airworthiness Limitations Section” (for PT6E-67XP).  
The approved life limitations for rotating parts are published in the following Service Bulletins:  
SB14002 - PT6A-64, PT6A-66, PT6A-67, PT6A-67A, PT6A-67R, PT6A-67B, PT6A-67D, PT6A-66A, PT6A-67T, PT6A-66D, PT6A-66B, PT6A-67P  
SB14302 - PT6A-67AF  
SB14502 - PT6A-67AG, PT6A-67F
2. Dry weight includes basic engine accessories and optional equipment as listed in the manufacturer's engine specification.
3. The engine ratings are based on dry sea-level static ICAO Standard Atmospheric Conditions, no air bleed, no external accessory power extraction. The specified engine ratings are the minimum guaranteed using specified fuel and oil and are based on calibrated stand performance using inlet ducting and exhaust stubs as specified in the Installation Manual.



| Engine Model | Take off power is flat rated up to an ambient temperature °C | Maximum Continuous power is flat rated up to an ambient temperature °C |
|--------------|--|--|
| PT6A-66      | 69.4   | 69.4   |
| PT6A-67      | 51.0   | 46.4   |
| PT6A-67A     | 53   | 53   |
| PT6A-67R     | 37.2   | 48.3   |
| PT6A-67AF    | 37.2   | 48.3   |
| PT6A-64      | 63.5   | 63.5   |
| PT6A-67B     | 51.7   | 45   |
| PT6A-67D     | 48   | 46.5   |
| PT6A-67AG    | 26.1   | 33.6   |
| PT6A-66A     | 50.1   | 50.1   |
| PT6A-67T     | 34.5   | 33.6   |
| PT6A-66D     | 73   | 73   |
| PT6A-66B     | 64   | 64   |
| PT6A-67F     | 32   | 32   |
| PT6A-67P     | 50   | 44   |
| PT6E-67XP    | 50   | 44   |

4. The time temperature limits are specified in the Specific Operating Instructions or Installation Manuals.
5. The following Service Bulletins (or Maintenance Manual) defining operating Times Between Overhaul (TBO), Hot Section Inspection (HSI) intervals, and sampling and escalation procedures:
  - SB14003 - PT6A-67R, PT6A-67D
  - SB14303 - PT6A-67AF, PT6A-67F
  - SB14503 - PT6A-67AG
  - SB14603 - PT6A-64, PT6A-66, PT6A-67, PT6A-67A, PT6A-67B, PT6A-66A, PT6A-67T, PT6A-66D, PT6A-66B, PT6A-67P
  - MM 3076392 - PT6E-67XP
6. The PT6A-67AF is a special purpose version of the PT6A-67 series of engines intended for use in military and firefighting aviation. This model may not be re-designated for other than military or firefighting operations.
7. The PT6A-67AG is a special purpose version of the PT6A-67 series of engines intended for use in agricultural aviation. This model may not be re-designated for other than agricultural operations.
8. Compliance with FAR 34.21(e)(3) has been shown for PT6A-67R, PT6A-67AF, PT6A-67AG, PT6A-67F, PT6A-67T.



- 9.** The engines meet the TCCA (AWM 533.68 or FAR 33.68) and EASA (JAR-E 780 or CS-E 780) requirements of for operation in icing conditions when the aircraft intake system conforms with the P&WC Installation Manual Instructions for inertial separation of snow and icing particles. The engines also meet the TCCA (AWM 533.27 or FAR 33.27) and EASA (JAR-E 840 / CS-E 840) requirements for adequate disc integrity and rotor blade containment and does not require external armouring.
- 10.** PT6E-67XP Lightning protection levels and electromagnetic interference are specified in the Installation Manual 3133776.
- 11.** The Electronic Engine Control unit on the PT6E-67XP must not be installed in a designated fire zone.
- 12.** The software contained in the Electronic Propeller and Engine Control System of the PT6E-67XP has been designed, developed, tested and documented in accordance with the provisions of Critical Category, Level A of RTCA / DO178C.



## **SECTION: ADMINISTRATIVE**

### **I. Acronyms and Abbreviations**

n/a

### **II. Type Certificate Holder Record**

n/a

### **III. Change Record**

| <b>Issue</b> | <b>Date</b>     | <b>Changes</b>                                  | <b>TC issue</b> |
|--------------|-----------------|---|-----------------|
| Issue 01     | 01 Oct 2004     | Addition of PT6A-66A, -67A, 67T, -67AF, -67AG   | 01 Oct 2004     |
| Issue 02     | 22 Nov 2005     | Addition of PT6A-66D                            | 22 Nov 2005     |
| Issue 03     | 05 Jan 2007     | Addition of PT6A-66B                            | 05 Jan 2007     |
| Issue 04     | 20 Dec 2007     | Addition of PT6A-67F, PT6A-67P                  | 20 Dec 2007     |
| Issue 05     | 11 October 2019 | Addition of PT6E-67XP, Correction of Dry Weight | 11 October 2019 |

-END-

