



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

TYPE CERTIFICATE DATA SHEET Nº EM-2006T07

Type Certificate Holder:

PRATT&WHITNEY CANADA, INC.
1000 Marie-Victorin
Longueuil, Quebec, J4G 1A1
CANADA

EM-2006T07

Sheet 01

PRATT&WHITNEY
CANADA
PT6C-67C

November 2006

Engines of models described herein conforming with this data sheet, which is part of Type Certificate No. 2006T07, meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Brazilian Aeronautical Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other instructions.

MODEL PT6C-67C.

TYPE Free turbine turboshaft.

RATINGS	PT6C-67C
Max. continuous, shp - rpm full throttle at sea level pressure altitude:	1 093 (21 420)
Takeoff (5 min.), shp - rpm full throttle at sea level pressure altitude:	1 154 (21 420)
OEI (2 1/2 min.), shp - rpm full throttle at sea level pressure altitude:	1 631 (21 420)
OEI continuous, shp - rpm full throttle at sea level pressure altitude:	1 427 (21 420)

Pawor

FUEL TYPE	Fuel type according to the current PWC Specification No. CPW 204. Refer to Maintenance Manual P/N 3045332 for approved fuels.	PT6C-67C ---
FUEL CONTROL	One Engine Electronic Control (EEC) with a manual back-up. Description and certificated models refer to approved Illustrated Parts Catalog.	---
OIL, LUBRICATION	Synthetic oil type according to the current PWA Specification No. PWA 512 Type II. Refer to Maintenance Manual P/N 3045332 for approved oils. Mixing of oils is not permitted.	---
TEMPERATURE LIMITS	See Note 2.	---
TORQUE LIMITS	See Note 3.	---
PRESSURE LIMITS	Refer to approved engine Installation Manual.	---
IGNITION	Dual output ignition exciter box with two spark ignition plugs. Certificated exciters and plugs refer to approved Parts List.	---
WEIGHT	(Dry, including external engine accessories.)	205 kg (452 lb)
PROPELLER SHAFT-SPECIFICATIONS	Refer to engine Installation Manual.	---

Pawor

IMPORT REQUIREMENTS Each engine imported separately and/or spare parts must be accompanied by an Airworthiness Certificate for Export and/or an Airworthiness Approval Tag, respectively, issued by Transport Canada, attesting that the particular engine and/or parts were submitted to the governmental quality control before delivery and are in conformity with the ANAC approved type design.

CERTIFICATION BASIS Brazilian Type Certificate No. 2006T07 based on the RBHA 33, which endorses the FAR 33 effective 01 February 1965, and Amendments FAR 33-1 through 33-20.

<u>Model</u>	<u>Application</u>	<u>Issued TC</u>
PT6C-67C	06 April 2006	24 Nov. 2006

NOTES:**NOTE 1** Maximum Permissible Engine Operating Speeds (rpm):

Output Shaft:

OEI (2.5 min.)	21 420
OEI Continuous	21 420
Takeoff (5 min.)	21 420
Maximum Continuous	21 420
Transient (10 sec. max)	23 310

Gas Generator:

OEI (2.5 min.)	40 500
OEI Continuous	39 100
Takeoff (5 min.)	39 100
Maximum Continuous	38 200
Transient (10 sec. max)	40 900

NOTE 2 Maximum Permissible Inter-turbine Temperatures, °C (°F) :

OEI (2.5 min.)	835 (1 535)
OEI Continuous	775 (1 427)
Takeoff (5 min.)	775 (1 427)
Maximum Continuous	735 (1 355)
Transient (10 sec. max)	847 (1 556)
Starting (2 sec. max)	1 100 (2 012)

Pawor

NOTE 3 Maximum Permissible Output Torque, N.m (lb.ft) :

OEI (2.5 min.)	542 (400)
OEI Continuous	475 (350)
Takeoff (5 min.)	384 (283)
Maximum Continuous	363 (268)
Transient (10 sec. max)	597 (440)

NOTE 4 Main Oil Pressure and Temperature Limits:

Normal Range: 90-130 PSI / 10-140 °C
No Load: 90-130 PSI / 10-140 °C
Transient: 145 PSI max. / 150 °C
Starting: 220 PSI max. / -50 °C min.
(Refer to approved engine Installation Manual)

NOTE 5 Engine ratings are based on static sea level standard conditions of (dry) inlet air at 15 °C (59 F) and 760 mm (29.92 in.) Hg with no external accessory loads and no air bleed. The quoted ratings are obtainable on a test stand with the specified fuel and oil, without intake ducting and using the exhaust port defined in the approved engine Installation Manual.

NOTE 6 The lightning protection requirement and the maximum allowable electromagnetic interference for the Electronic Engine Control System are specified in the engine Installation Manual.

NOTE 7 The engines meet the requirements of RBHA/FAR 33.68 for operation in icing conditions as defined in RBHA/FAR 25, Appendix C, provided that the intake system according to the approved engine Installation Manual instructions for inertial separation of snow and icing particles.

NOTE 8 The PT6C-67C engines meet the fuel venting requirements of RBHA/FAR 34, effective 10 September 1990.

NOTE 9 The software for the PT6C-67C Electronic Engine Control (EEC) has been developed, tested and documented in accordance with the provisions of RTCA/DO178B Level A.

Pawor

NOTE 10 Approved Publications and Instructions for Continued Airworthiness:

PT6C-67C Installation Manual;
PT6C-67C Interface Control Document;
PT6C-67C Engine Assembly Drawing N° A3045379, Change H and subsequent;
Airworthiness Limitation Section of PT6C-67C Maintenance Manual P/N 3045332;
PT6C-67C Maintenance Manual P/N 3045332; and
PT6C-67C Overhaul Manual P/N 3045333.



CLÁUDIO PASSOS SIMÃO
Gerente Geral, Certificação de Produtos Aeronáuticos
(Manager, Aeronautical Products Certification)
