European Aviation Safety Agency

EASA

TYPE-CERTIFICATE
DATA SHEET

P2006T

Type Certificate Holder:

Costruzioni Aeronautiche TECNAM S.r.l.
Via Tasso, 478
80127 Napoli
ITALIA

Manufacturer:

Costruzioni Aeronautiche TECNAM S.r.l.
Via Tasso, 478
80127 Napoli
ITALIA

Issue 1: 5 June 2009

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   A.III. Technical Characteristics and Operational Limitations
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CHANGE RECORD
SECTION A: P2006T

A.I. General

1. a) Type: P2006T
   b) Variant: ----

2. Airworthiness Category: CS-23 Normal Category

3. Type Certificate Holder: Costruzioni Aeronautiche TECNAM S.r.l. Via Tasso, 478 80127 Napoli ITALIA

4. Manufacturer: Costruzioni Aeronautiche TECNAM S.r.l. Via Tasso, 478 80127 Napoli ITALIA

5. Reference Application Date for EASA Certification: 12 December 2005

6. EASA Type Certification Date: 5 June 2009

A.II. Certification Basis

1. Reference Date for determining the applicable requirements: 12 December 2006

2. (Reserved)

3. (Reserved)

4. Certification Basis: As defined in CRI A-01, latest Issue

5. Airworthiness Requirements: EASA CS-23 (Decision no. 2003/14/RM of the Executive Director of the Agency of 14 November 2003)

6. Requirements elected to comply: None

7. EASA Special Conditions: CRI F-01, HIRF Protection

8. EASA Exemptions: None

A.III. Technical Characteristics and Operational Limitations


2. Description: Twin engine, four-seated cantilever high wing airplane, aluminium construction, retractable tricycle landing gear.

3. Equipment: Equipment list, AFM, Doc. 2006/044, Section 6,

4. Dimensions:

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<th>Dimension</th>
<th>Value</th>
<th>Unit</th>
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<tbody>
<tr>
<td>Span</td>
<td>11.4 m</td>
<td>(37.4 ft)</td>
</tr>
<tr>
<td>Length</td>
<td>8.7 m</td>
<td>(28.5 ft)</td>
</tr>
<tr>
<td>Height</td>
<td>2.85 m</td>
<td>(9.35 ft)</td>
</tr>
<tr>
<td>Wing Area</td>
<td>14.76 m²</td>
<td>(158.9 sqft)</td>
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5. Engines: No.2 Bombardier-Rotax GmbH 912 S3
Certification Basis: FAR 33 Amdt. 15 plus FAA NPRM Doc. # 24922, Notice no. 92-14 EASA TCDS n° E.121 dated 1 April 2008

5.1 Engine Limits:
Max rotational speed (5 min) 5800 r.p.m.
Max continuous rotational speed 5500 r.p.m (Engine shaft r.p.m)
Powerplant limits, AFM, Doc. 2006/044, Section 2,

6. (Reserved)

7. Propellers: No.2 MT Propeller MTV-21-A-C-F/CF178-05
Two blades, constant speed, variable pitch with feathering capability, wood construction.
Type Certificate No. LBA 32.130/086
Diameter : 1780 mm

8. Fluids:
8.1 Fuel: Min. RON 95
EN 228 Premium
EN 228 Premium plus
AVGAS 100LL
(see Rotax Operator’s Manual OM-912)

8.2 Oil: Lubricant specifications and grade are detailed into
the “Rotax Operator’s Manual OM-912” and in its related documents

8.3 Coolant:

Water / Cooler Protection
For more details see AFM, 2006/044, Section 2

9. Fluid capacities:

9.1 Fuel:
Total: 200 liters (52.8 US Gallon)
Usable: 194.4 liters (51.4 US Gallon)

9.2 Oil:
Maximum: 3.5 liters (3.7 qts)
Minimum: 3.0 liters (3.2 qts)

10. Air Speeds:
Design Manoeuvring Speed $V_A$: 119 KIAS (117 KCAS)
Flap Extended Speed $V_{FE}$: 93 KIAS (92 KCAS) Landing
119 KIAS (117 KCAS) Take Off
Minimum Control Speed $V_{MC}$: 62 KIAS (62 KCAS)
Maximum Landing Gear Operation Speed $V_{LO}$: 93 KIAS (92 KCAS)
Maximum Landing Gear Extended Speed $V_{LE}$: 93 KIAS (92 KCAS)
Maximum Structural Cruising Speed $V_{NO}$: 135 KIAS (134 KCAS)
Never Exceed Speed $V_{NE}$: 167 KIAS (168 KCAS)

11. (Reserved)

12. All weather Capability:
Day/Night-VFR, IFR
Flight into expected or actual icing conditions is prohibited
See Note 1

13. Maximum Masses:
Take-off: 1180 kg (2600 lb)
Zero Fuel: 1145 kg (2524 lb)
Landing: 1180 kg (2600 lb)

14. Centre of Gravity Range:
Forward limit: 0.221 m (16.5 % MAC) behind Datum
Rear limit: 0.415 m (31.0 % MAC) behind Datum

15. Datum:
Wing leading edge (MAC = 1.339m)

16. (Reserved)

17. Levelling Means:
Seat support trusses
(see AFM, 2006/044, Sect.6 for the procedure)

18. Minimum Flight Crew:
1 (Pilot)
19. Maximum Passenger Seating Capacity: 3

20. (Reserved)

21. Baggage / Cargo Compartments

   Max. allowable Load  80 kg
   Location             1.215 m aft the datum

22. Wheels and Tyres

   Nose Wheel Tyre Size  5.00-5
   Main Wheel Tyre Size  6.00-6

A.IV. Operating and Service Instructions


Illustrated Parts Catalogue  C.A. Tecnam Aircraft P2006T “Airplane Illustrated Parts Catalogue” No. 2006/046 current issue

Service Information and Service Bulletins
A.V. Notes

1. Basic aircraft equipment configuration allows VFR Day operation. Additional equipment configuration are available at customer choice (Kits). Kit “A” allows VFR Night operation. Kit “B+C” allows IFR Night operation. (see “Aircraft Flight Manual” Sect.6 for further information).
CHANGE RECORD

Issue 1    Initial issue 5 June 2009