

# *State Aviation Administration of Ukraine*

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**SAAU**

**TYPE CERTIFICATE DATA SHEET TL0068**

**P2006T**

**Type Certificate Holder:**

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

Issue 1, 17 April 2015

This Data Sheet which is integral part of Type Certificate TL0068 prescribes the conditions and limitations under which the product(s) for which the Type Certificate was granted meet(s) the airworthiness requirements and environmental protection requirements, stated in Certification basis mentioned in this Data Sheet.

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**I. General**

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|----|--------------------------------------|--|
| 1. | a) Type:                             | P2006T   |
|    | c) Model:                            | -----  |
|    | b) Variant:                          | -----  |
| 2. | Airworthiness Category:              | Normal Category  |
| 3. | Type Certificate Holder:             | Costruzioni Aeronautiche TECNAM S.r.l.<br>Via Tasso, 478<br>80127 Napoli<br>ITALIA |
| 4. | Manufacturer:                        | Costruzioni Aeronautiche TECNAM S.r.l.<br>Via Tasso, 478<br>80127 Napoli<br>ITALIA |
| 5. | SAAU Certification Application Date: | 14 July 2009   |
| 6. | SAAU Type Certification Date:        | 17 April 2015  |

**II. Certification Basis**

- |    |                                    |  |
|----|------------------------------------|--|
| 1. | Certification Basis:               | As defined in SAAU CRI G-01, latest issue  |
| 2. | Airworthiness Requirements:        | AR-23 «Airworthiness Standards for Civil Light Airplane»   |
| 3. | SAAU Special Conditions:           | None   |
| 4. | Exemptions:                        | None   |
| 5. | Equivalent Safety Findings:        |  |
|    | AR 23.783(b)                       | Main door (ref. CRI CS-1)  |
|    | AR 23.807(e)                       | Ditching emergency exits (ref. CRI CS-2)   |
|    | AR 23.865                          | Fire protection of flight controls, engine mounts and other flight structure (ref. CRI CS-3)             |
|    | AR 23.1061(b)                      | Liquid cooling – coolant tank ref. (CRI E-3)   |
|    | AR 23.1063                         | Liquid cooling – coolant tank ref. (CRI E-3)   |
|    | EASA<br>Environmental<br>Standards | ICAO, Annex 16, Volume I, 4th Edition, July 2005;<br>EASA CS-36, Decision No. 2003/4/RM, 17 October 2003 |

**III. Technical Characteristics and Operational Limitations**

1. Type Design Definition: C.A. Tecnam Aircraft P2006T report "Type design definition" No. 2006/004 2 ed. Rev 0 dated February 14th, 2014.
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:
 

Span	11.4 m	(37.4 ft)
Length	8.7 m	(28.5 ft)
Height	2.85 m	(9.35 ft)
Wing Area	14.76 m <sup>2</sup>	(158.9 sqft)
5. Engines: No.2 BRP-Powertrain GmbH & Co KG  
Rotax 912 S3  
SAAU TC No. TD 0060
- 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. Propeller: No.2 MT-Propeller Entwicklung GmbH  
MTV-21-A-C-F/CF178-05  
Two blades, constant speed, variable pitch with feathering capability, laminated wood composite structure  
SAAU TC No. TG0022  
Diameter : 1780 mm
7. Fluids:
  - 7.1. Fuel:
    - MOGAS (Min. RON 95/AKI 91)
    - EN 228 Super
    - EN 228 Super Plus
    - ASTM D4814
    - AVGAS 100LL (ASTM D910)
    - MOGAS DSTU 4839-2007
 (see Rotax Operators Manual OM-912 and Service Instructions SI-912-016)
  - 7.2. Oil: Lubricant specifications and grade are detailed into the "Rotax Operator's Manual OM-912" and in its related documents.
  - 7.3. Coolant: Water / Cooler Protection  
For more details see AFM, 2006/044, Section 2

## 8. Fluid capacities:

- 8.1. Fuel: Total: 200 liters (52.8 US Gallon)  
Usable: 194.4 liters (51.4 US Gallon)
- 8.2. Oil (each engine): Maximum: 3.0 liters (3.2 qts)  
Minimum: 2.0 liters (2.1 qts)

## 9. 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)	

The following values apply when EASA Major Change Approval n. 10037759 "Increment of the maximum take off weight (1230 Kg)" as per C.A. Tecnam MOD2006/015 is installed (Other Air Speeds remain unchanged):

Design Manoeuvring Speed $V_A$ :	122 KIAS	(119 KCAS)	
Flap Extended Speed $V_{FE}$ :	93 KIAS	(93 KCAS)	Landing
	122 KIAS	(119 KCAS)	Take Off
Maximum Structural Cruising Speed $V_{NO}$ :	138 KIAS	(136 KCAS)	
Never Exceed Speed $V_{NE}$ :	171 KIAS	(172 KCAS)	

The following values apply when EASA Major Change Approval n. 10041602 "  $V_{LE}$  and  $V_{LO}$  increment" as per C.A. Tecnam MOD2006/033 is installed (Other Air Speeds remain unchanged):

Maximum Landing Gear Operation Speed $V_{LO}$ :	122 KIAS	(119 KCAS)	
Maximum Landing Gear Extended Speed $V_{LE}$ :	122 KIAS	(119 KCAS)	

10. Operations Capability: Day/Night-VFR, IFR  
Flight into expected or actual icing conditions is prohibited

- |   |  |                                   |
|---|--|-----------------------------------|
| 11. Maximum Weights:  | Take-off   | 1180 kg (2600 lb)                 |
|   | Zero Fuel  | 1145 kg (2524 lb)                 |
|   | Landing  | 1180 kg (2600 lb)                 |
| <p>The following values apply when EASA Major Change Approval n. 10037759 "Increment of the maximum take-off weight (1230 Kg)" as per C.A. Tecnam MOD2006/015 is installed:</p> |  |                                   |
|   | Take-off   | 1230 kg (2712 lb)                 |
|   | Zero Fuel  | 1195 kg (2635 lb)                 |
|   | Landing  | 1230 kg (2712 lb)                 |
| 12. Centre of Gravity Range:  | Forward limit  | 0.221 m (16.5 % MAC) behind Datum |
|   | Rear limit:  | 0.415 m (31.0 % MAC) behind Datum |
| 13. Datum:  | Wing leading edge (MAC = 1.339m)                                   |                                   |
| 14. Levelling Means:  | Seat support trusses (see AFM, 2006/044, Sect.6 for the procedure) |                                   |
| 15. Minimum Flight Crew:  | 1 (Pilot)  |                                   |
| 16. Maximum Passenger Seating Capacity:   | 3  |                                   |
| 17. Baggage/Cargo Compartments:   | Max. allowable Load  | 80 kg                             |
|   | Location   | 1.215 m aft the datum             |
| 18. Wheels and Tyres:   | Nose Wheel Tyre Size   | 5.00-5                            |
|   | Main Wheel Tyre Size   | 6.00-6                            |

**IV. Operating and Service Instructions**

1. Flight Manual:  
C.A. Tecnam Aircraft P2006T report "Aircraft Flight Manual" No. 2006/044 1st ed. Rev 0 dated May 25th 2009 and any EASA approved edition and revision.
2. Supplement no. A23 to Aircraft Flight Manual for P2006T operation in Ukraine.
3. Airworthiness Limitations:  
C.A. Tecnam Aircraft P2006T report "Airworthiness Limitation and instruction for continued airworthiness" No. 2006/032 1st ed. Rev 2 dated May 25th 2009 and any EASA approved edition and revision.
4. Airplane Maintenance Manual (AMM):  
C.A. Tecnam Aircraft P2006T report "Aircraft Maintenance Manual" No. 2006/045 current issue
5. Illustrated Parts Catalogue:  
C.A. Tecnam Aircraft P2006T report "Airplane Illustrated Parts Catalogue" No. 2006/046 current issue
6. Service Information and Service Bulletins:  
Refer to Service Bulletin No. SB 000 - CS "Service Bulletins record", current issue
7. BRP-Powertrain Operators Manual OM-912 (current revision) for Rotax engine type 912 series
8. BRP-Powertrain Service Instructions SI-912-016 current revision

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