



TYPE-CERTIFICATE DATA SHEET

EASA.A.185

P2006T

Type Certificate Holder
Costruzioni Aeronautiche TECNAM S.p.A.

Via Tasso, 478
80127 Napoli
ITALIA

Issue 8: 9 July 2018



Intentionally left blank



CONTENT

SECTION A: P2006T	4
A.I. General	4
A.II. EASA Certification Basis	4
A.III. Technical Characteristics and Operational Limitations.....	5
A.V. Operational Suitability Data (OSD).....	8
A.VI. Notes.....	9
SECTION ADMINISTRATIVE.....	10
I. Acronyms & Abbreviations	10
II. Type Certificate Holder Record	10
III. Change Record	10



SECTION A: P2006T

A.I. General

1. Type/ Model/ Variant	
1.1 Type	P2006T
1.2 Model	-----
1.3 Variant	-----
2. Airworthiness Category	CS-23 Normal Category
3. Manufacturers	Costruzioni Aeronautiche TECNAM S.p.A. Via Tasso, 478 80127 Napoli ITALIA Liaoning United-Air Shenyang Aircrat Company. Shijianfang, Faku, Shenyang, Liaoning CHINA
4. EASA Type Certification	
Application Date	12 December 2005
5. State of Design Authority	N/A
6. State of Design Authority Type	
Certificate Date	N/A
7. EASA Type Certification Date	05 June 2009

A.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements	12 December 2006
2. Airworthiness Requirements	EASA CS-23 amdt. 0 dated 14 Nov 2003.
3. Special Conditions	SC-Tecnam P2006T/04 Human Factors –Integrated Avionic System (CRI B-52); See Note 2 SC-F23.1353-02 Lithium battery installation (CRI F 58); See Note 3
4. Exemptions	None
5. (Reserved) Deviations	None
6. Equivalent Safety Findings	CS23.807(e) Ditching Emergency Exits (CRI D-01); CS23.783(b), Main door (CRI D-02); CS23.865, Fire protection of flight controls, engine mounts and other flight structure (CRI D-03); CS23.1061(b), CS23.1063, Liquid Cooling Coolant tank (CRI E-01).
7. Environmental Protection	EASA CS-36, Decision No. 2003/4/RM, 17 October 2003 ICAO with reference to ICAO Annex 16, Volume I, 4th Edition, July 2005;



A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition	C.A. Tecnam Aircraft P2006T report "Type design definition" 2006/004 4th ed. and later revision	
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 ² (158.9 sqft)
5. Engine		
5.1. Model	No.2 Bombardier-Rotax GmbH 912 S3	
5.2 Type Certificate	EASA TCDS n° E.121 dated 1 April 2008	
5.3 Limitations	Max rotational speed (5 min)	5800 r.p.m.
	Max continuous rotational speed	5500 r.p.m (Engine shaft rpm)
	Powerplant limits, AFM, Doc. 2006/044, Section 2,	
6. Load factors		
6.1Basic		
	Flap UP	Flap DOWN
	Positive	+3.8 g +2.0 g
	Negative	-1.78 g 0.0 g
7. Propeller		
7.1 Model	No.2 MT Propeller MTV-21-A-C-F/CF178-05	
7.2 Type Certificate	Type Certificate No. LBA 32.130/086	
7.3 Number of blades	2	
7.4 Diameter	1780 mm	
7.5 Sense of Rotation	Clockwise (pilot's view)	
8. Fluids		
8.1 Fuel	MOGAS (Min. RON 95/AKI 91)	
	▪ EN 228 Super/Super Plus	
	▪ ASTM D4814	
	▪ MOGAS MG 95 (IS 2796:2008) ; See Note 4	
	AVGAS 100LL (ASTM D910) (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 litres (52.8 US Gallon)

Usable: 194.4 litres (51.4 US Gallon)

9.2 Oil Maximum: 3.0 litres (3.2 qts)

Minimum: 2.0 litres (2.1 qts)

10. Air speeds

Design Maneuvering Speed V_A : 119 KIAS (117 KCAS)

Flap Extended Speed V_{FE} : 93 KIAS (92 KCAS) *LND*
119 KIAS (117 KCAS) *TO*

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 Maneuvering Speed V_A : 122 KIAS (119KCAS)

Flap Extended Speed V_{FE} : 93 KIAS (93 KCAS) *LND*
122 KIAS (119 KCAS) *TO*

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)

11. Maximum Operating Altitude: 14,000 ft

12. Approved Operations 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)



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:

	Take-off	1230 kg	(2712 lb)
	Zero Fuel	1195 kg	(2635 lb)
	Landing	1230 kg	(2712 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. Control surface deflections	Stabilator: 15°±2° to pitch up / 4°±2° to pitch down		
	Stabilator Trim Tab: 19 ±2° downward / 2°±2° upward		
	Aileron: 20°±2° upward / 17°±2° downward		
	Rudder: 26°±2° left / 26°±2° right		
	Flaps: 0° Fully Retracted /40°±2° Fully Extended		
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. Baggage/ Cargo Compartments	Max. allowable Load	80 kg	
	Location	1.215m aft the datum	
21. Wheels and Tyres	Nose Wheel Tyre Size	5.00-5	
	Main Wheel Tyre Size	6.00-6	
22. Serial Numbers Eligible:	s/n 001 and subsequent for P2006T produced by C.A. Tecnam;		
	s/n CP-001 and subsequent for P2006T produced by Liaoning United-Air Shenyang Aircrat Company, (see note 5).		



A.IV. Operating and Service Instructions

- | | |
|--------------------------------|--|
| 1. Flight Manual | Doc. No 2006/044 "Aircraft Flight Manual" last issue. |
| 2. Maintenance Manual | Doc. No 2006/045 "Aircraft Maintenance Manual" last issue |
| 3. Illustrated Parts Catalogue | Doc. No 2006/046 "Airplane Illustrated Parts Catalogue" last issue |
| 4. Instruments and aggregates: | Doc. No 2006/045 "Aircraft Maintenance Manual" last issue |

A.V. Operational Suitability Data (OSD)

The Operational Suitability Data elements listed below are approved by the European Aviation Safety Agency under the EASA Type Certificate EASA.A.185 as per Commission Regulation (EU) 748/2012 as amended by Commission Regulation (EU) No 69/2014.

1. Master Minimum Equipment List (MMEL)
The MMEL is defined in the P2006T GEN.MMEL, Report n°2006/384, Revision 0 or later approved revisions.



A.VI. Notes

1. Airplane has been certified to operate VFR Day, VFR Night and IFR Night. Basic aircraft equipment configuration allows VFR Day operation. Additional equipment configuration are available at customer choice (see "Aircraft Flight Manual" Sect.6 for further information).
2. When major change, "Tecnam MOD2006/002" (Easa approval 10029633), is installed for Optional Equipment Garmin G950, the corresponding major modification to CRI A-01 must be considered together with special condition detailed in CRI B-52 "Human factor in Integrated Avionic Systems".
3. When major change, "Tecnam MOD2006/212" (Easa approval 10058288), is installed for Optional Equipment "MD302 Alternative Stand-By Instrument", the corresponding major modification to CRI A-01 must be considered together with special condition detailed in CRI F-58 "Lithium battery installation".
4. When major change, Tecnam MOD 2006/284 (EASA approval 10061637), is installed
5. The P2006T s/n and parts assembled or manufactured by Liaoning United-Air Shenyang Aircraft Company can be delivered in China (including Hong Kong, Macao and Taiwan), Mongolia, North Korea & Pakistan.



SECTION ADMINISTRATIVE

I. Acronyms & Abbreviations

AFM – Aircraft Flight Manual
 AMM – Aircraft Maintenance Manual
 CRI – Certification Review Item
 CS – Certification Specification
 EASA – European Aviation Safety Agency
 ICAO – International Civil Aviation Organization
 IPC – Illustrated Part Catalogue
 KCAS – Knots Calibrated Air Speed
 KOEL – Kind of Operations Equipment List
 MAC – Mean Aerodynamic Chord
 MTOW – Maximum Take-Off Weight
 VFR – Visual Flight Rules

II. Type Certificate Holder Record

TC Holder	Period
Costruzioni Aeronautiche TECNAM S.p.A. Via Tasso, 478 80127 Napoli, ITALIA	Effective

III. Change Record

Issue	Date	Changes	TC Issue No. & Date
Issue 01	5 June 2009	Initial issue	05 June 2009
Issue 02	30 March 2012	Update to include changes MOD2006/002” (Easa approval 10029633) and MOD2006/015” (Easa approval 10037759)	
Issue 03	20 December 2012	Update to include changes MOD2006/033” (Easa approval 10041602)	
Issue 04	08 November 2013	Amend fuel specification	
Issue 05	22 December 2016	Introduction of OSD MMEL	
Issue 06	09 June 2017	Update to include changes MOD2006/212” (Easa approval 10058288) and MOD 2006/284 (EASA approval 10061637)	
Issue 07	26 April 2018	add new manufacturer, s/n eligible, latest edition of TDD and company registration change	
Issue 08	09 July 2018	Correction of Chinese manufacturer’s name	

-END-

