

TYPE-CERTIFICATE DATA SHEET

EASA.A.185

P2006T

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

Via S. D'Acquisto, 62 80042 Boscotrecase (Na) ITALIA

Issue 18: 28 August 2025



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SECTION A: P2006T

A.I. General

1. Type/ Model/ Variant

1.1 Type P2006T1.2 Model P2006T

2. Airworthiness Category CS-23 Normal Category

3. Manufacturers See Note 5

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. <u>EASA Certification Basis</u>

1. Reference Date for determining the

applicable requirements 12 December 2006

2. Airworthiness Requirements EASA CS-23 amdt. 0 dated 14 Nov 2003.

EASA CS-23 amdt. 6 para 23.2515, 23.2520 (see Note 7 and

Note 9)

3. Special Conditions HIRF protection (project reference CRI F-01), see note 8

Human Factors - Integrated Avionic System (project

reference CRI B-52), see Note 2 and note 8

Lithium battery installation (project reference CRI F 58); see

Note 3 and note 8

4. Exemptions None5. Deviations None

6. Equivalent Safety Findings CS23.807(e) Ditching Emergency Exits (CRI D-01), see note 8;

CS23.783(b), Main door (CRI D-02), see note 8;

CS23.865, Fire protection of flight controls, engine mounts

and other flight structure (CRI D-03), see note 8;

CS23.1061(b), CS23.1063, Liquid Cooling Coolant tank (CRI E-

01), see note 8.

7. Requirement elected to comply None

8. Environmental Protection Refer to TCDSN EASA.A.185



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A.III. <u>Technical Characteristics and Operational Limitations</u>

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 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 m² (158.9 sqft)

5. Engine

5.1. Model No.2 BRP-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

 $\begin{array}{ccc} & & \text{Flap UP} & & \text{Flap DOWN} \\ \text{Positive} & +3.8 \text{ g} & +2.0 \text{ g} \\ \text{Negative} & -1.78 \text{ g} & 0.0 \text{ g} \end{array}$

7. Propeller

7.1 Model No.2 MT Propeller MTV-21-A-C-F/CF178-05

7.2 Type Certificate Type Certificate No. P.101 (see note 10)

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 2796:2017) (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



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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: 2.5 litres (2.6 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

167 KIAS (168 KCAS)

62 KIAS (62 KCAS) Minimum Control Speed V_{MC}:

Maximum Landing Gear

Operation speed V_{LO}: 93 KIAS (92 KCAS)

Maximum Landing Gear

Extended Speed VLE: 93 KIAS (92 KCAS)

Maximum Structural

Cruising Speed V_{NO}: 135 KIAS (134 KCAS)

Never Exceed Speed V_{NE}: The following values apply when EASA Major Change Approval n. 10041602 "VLE and VLO 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)

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. 10083850 "MTOW increment up to 1290 kg" as per C.A. Tecnam MOD2006/416 is installed (Other Air Speeds remain unchanged):

Design Maneuvering Speed V_A: 125 KIAS (122KCAS)

Flap Extended Speed V_{FE}: 97 KIAS (95 KCAS) *LND*

124 KIAS (122 KCAS) TO

Maximum Structural

Cruising Speed V_{NO}: 138 KIAS (135 KCAS) Never Exceed Speed V_{NE}: 171 KIAS (170 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)

The following values apply when EASA Major Change Approval n. 10083850 "MTOW increment up to 1290 kg" as per C.A. Tecnam MOD2006/416 is installed:

Take-off	1290 kg	(2844 lb)
Zero Fuel	1255 kg	(2767 lb)
Landing	1290 kg	(2844 lb)

14. Centre of Gravity Range Forward limit 0.221 m (16.5 % MAC) behind datum up to 1230kg

0.261 m (19.5 % MAC) behind datum at 1290kg

Straight line variation between indicated points.

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: See Note 5



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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.

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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 MOD 2006/460 (Easa approval 10085228), is installed. Previous Indian fuel specification is accepted as per MOD 2006/284 (EASA approval 10061637).
- 5. Serial Nos. Eligible:
 - S/N 001 and subsequent, manufactured by Costruzioni Aeronautiche TECNAM S.p.A. under certificate EASA production certificate IT.21G.0032
 - S/N CP-001 and subsequent, manufactured by LUSY Co. LTD under the Chinese Production Certificate PC0034A-DB, are not eligible for registration in the EU, Norway, Iceland, Switzerland and Lichtenstein.
 - Spare parts with a Chinese Authorized Release Certificate are not eligible for installation in aircraft registered in the EU, Norway, Iceland, Switzerland and Lichtenstein.
- 6. When engines with designation extended with suffix "-01" (e.g. Rotax 912 S2-01) are installed (as per MOD2006/227, EASA approval 10054149), the engine temperature measurement methods have been amended from CHT (cylinder head temperature) and CT (coolant temperature).
- 7. When major change, Tecnam MOD 2006/438 (Easa approval 10085088), is installed.
- 8. TCDS Annex 1 contains public non-proprietary data in Special Conditions and Equivalent Safety Findings that are part of the applicable Certification Basis as recorded in this TCDS.
- 9. TCDS Annex 2 contains reference to AMC material used by the TC holder in case that CS-23 amendment 5, or later, is applicable
- 10. EASA Type Certificate and Type Certificate Data Sheet No. P.101 replace LBA-Germany Type Certificate and Type Certificate Data Sheet No. 32.130/86.



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SECTION B: P2006T NG

B.I. General

1. Type/ Model/ Variant

1.1 Type P2006T 1.2 Model P2006T NG

2. Airworthiness Category CS-23 Normal Category

3. Manufacturers Costruzioni Aeronautiche TECNAM SPA.

Via S. D'acquisto, 62

80042 Boscotrecase (NA)

ITALIA

4. EASA Type Certification

Application Date 21 June 2024

5. State of Design Authority N/A

6. State of Design Authority Type

Certificate Date N/A

7. EASA Type Certification Date 19 February 2025

B.II. EASA Certification Basis

2. Reference Date for determining the

applicable requirements 21 June 2024

2. Airworthiness Requirements EASA CS-23 amdt. 6, dated 27 Feb 2023, see Note 2.

EASA CS-ACNS issue 4, dated 06 April 2022.

3. Special Conditions None
4. Exemptions None
6. Equivalent Safety Findings None
7. Requirement elected to comply None

8. Environmental Protection Refer to TCDSN EASA.A.185

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B.III. **Technical Characteristics and Operational Limitations**

1. Type Design Definition Report "Type design definition" 2006/1050 1st edition. and

later revision

2. Description Twin engine, four-seated, high wing airplane, aluminum

construction, retractable tricycle landing gear.

3. Equipment Equipment list, AFM, Doc. 2006/1042, 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 m² (158.9 sqft)

5. Engine

5.1. Model No.2 BRP-Rotax GmbH 912 iSc3 Sport

5.2 Type Certificate EASA TCDS n° E.121

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. 2006/1042, Section 2,

6. Load factors

6.1Basic

Flap UP Flap DOWN Positive +3.8 g +2.0 g Negative -1.69 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. P.101

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

AVGAS 100LL (ASTM D910)

(see Rotax Operator's Manual OM-912 i)

8.2 Oil Lubricant specifications and grade are detailed into the

"Rotax Operator's Manual OM-912 i" and in its related

documents.

8.3 Coolant Water / Cooler Protection

For more details, see AFM, 2006/1042, Section 2

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9. Fluid capacities

9.1 Fuel Total: 200 litres (52.8 US Gallon)

Usable: 194 litres (51.2 US Gallon)

9.2 Oil Maximum: 3.0 litres (3.2 qts)

Minimum: 2.5 litres (2.6 qts)

10. Air speeds

Design Maneuvering Speed V_A: 125 KIAS (122KCAS)

Flap Extended Speed V_{FE}: 97 KIAS (95 KCAS) *LND*

124 KIAS (122 KCAS) TO

Maximum Landing Gear

Operation Speed V_{LO}: 122 KIAS (119 KCAS)

Maximum Landing Gear

Extended Speed V_{LE}: 122 KIAS (119 KCAS)

Minimum Control Speed V_{MC}: 62 KIAS (62 KCAS)

Maximum Structural

Cruising Speed V_{NO}: 138 KIAS (135 KCAS)

Never Exceed Speed V_{NE}: 171 KIAS (170 KCAS)

11. Maximum Operating Altitude: 13,000 ft

12. Approved Operations Capability Day/Night-VFR, IFR

Flight into expected or actual icing conditions is prohibited

13. Maximum Masses Take-off 1290 kg (2844 lb)

Zero Fuel 1255 kg (2767 lb)

Landing 1290 kg (2844 lb)

14. Centre of Gravity Range Forward limit 0.221 m (16.5 % MAC) behind datum up to 1230kg

0.261 m (19.5 % MAC) behind datum at 1290kg

Straight line variation between indicated points.

AFT limit: 0.415 m (31.0 % MAC) behind Datum

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

16. Control surface deflections Stabilator T.E.: 15°±2° upward / 4°±2° downward

Stabilator Trim Tab T.E.: 19 ±2° downward / 2°±2° upward

Aileron T.E.: 20°±2° upward / 17°±2° downward

Rudder T.E.: 26°±2° left / 26°±2° right Rudder Tab T.E.: 20°±2° left / 20°±2° right

Flaps T.E.: 0° Fully Retracted /40°±2° Fully Extended

17. Levelling Means Seat support trusses (see AFM, 2006/1042, Sect.6 for the

procedure)

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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 1001 and subsequent;

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B.IV. Operating and Service Instructions

1. Flight Manual Doc. No 2006/1042 "Aircraft Flight Manual" last issue.

2. Maintenance Manual Doc. No 2006/1025 "Aircraft Maintenance Manual" last issue

3. Illustrated Parts Catalogue Doc. No 2006/1051 "Airplane Illustrated Parts Catalogue"

last issue

B.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.

B.VI. Notes

- 1. Airplane has been certified to operate VFR Day, VFR Night and IFR Night. Equipment configuration is available in "Aircraft Flight Manual" Sect.2 and Sect.6.
- 2. TCDS Annex 2 contains reference to AMC material used by the TC holder for CS 23.

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

T.E. – Trailing edge

VFR – Visual Flight Rules

II. Type Certificate Holder Record

TC Holder	Period
Costruzioni Aeronautiche TECNAM S.r.l.	From 5th June 2009 until 04th September 2019
Via Tasso, 478	
80127 Napoli, ITALIA	
Costruzioni Aeronautiche TECNAM S.p.A.	Effective
Via Salvo D'Acquisto, 62	
80042 Boscotrecase (NA), ITALIA	

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	
Issue 09	05 September 2019	Company address update and improved description of Note 5.	
Issue 10	20 December 2019	Updated Engine designation (field 5 in A.III); added note 6 in A.V; removed "variant" and added "model" in A.I.	
Issue 11	11 November 2020	Corrected references in certification basis and removed typos (filed 3 and 7 in A.II); Added Appendix A.	
Issue 12	10 October 2022	Fixed typos in minimum oil capacity value	
Issue 13	29 February 2024	Update to include change MOD2006/416 (Easa approval n. 10083850)	
Issue 14	7 August 2024	Update to include change MOD2006/438 (Easa approval n. 10085088) and remove typos	
Issue 15	03 September 2024	Update to include change MOD2006/460 (Easa approval n. 10085228)	
Issue 16	24 February 2025	Add new model P2006T NG; Appendix A to the TCDS has been moved into the Explanatory Note as separate file.	19 February 2025
Issue 17	11 April 2025	Section A: Added references to Note 8 also for ESF; Added Note 9. Section B: Added Note 2. Update of the Explanatory note Annex 1 and addition of Annex 2.	
Issue 18	28 August 2025	Section A: Update of propeller TC number and added note 10.	

