



TYPE-CERTIFICATE DATA SHEET

NO. EASA.A.637

for
P2012

Type Certificate Holder
Costruzioni Aeronautiche TECNAM SPA

Via Tasso, 478
80127 Napoli
ITALIA

For models: P2012 Traveller



Intentionally left blank



CONTENT

SECTION A: P2012 TRAVELLER.....	4
A.I. General	4
A.II. EASA Certification Basis	4
A.III. Technical Characteristics and Operational Limitations.....	5
A.IV. Operational Suitability Data (OSD).....	7
A.V. Notes.....	Error! Bookmark not defined.
SECTION ADMINISTRATIVE.....	9
I. Acronyms & Abbreviations	9
II. Type Certificate Holder Record	9
III. Change Record	9



SECTION A: P2012 TRAVELLER

A.I. General

1. Type/ Model/ Variant	
1.1 Type	P2012
1.2 Model	P2012 Traveller
1.3 Variant	-----
2. Airworthiness Category	CS-23 Normal Category
3. Manufacturer	Costruzioni Aeronautiche TECNAM SPA. Via Tasso, 478 80127 Napoli ITALIA
4. EASA Type Certification	
Application Date	29 November 2015
6. State of Design Authority Type	
Certificate Date	N/A
7. EASA Type Certification Date	19 December 2018

A.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements	19 December 2015
2. Airworthiness Requirements	EASA CS-23 amdt. 4 dated 15 July 2015.
3. Special Conditions	SC-C23.div01 Human Factors –Integrated Avionic System (CRI B-52); SC-F23.1353-02 Lithium battery installation (CRI F 58); SC-CS-23.1305- Fuel low level annunciation means (CRI E-060);
4. Exemptions	None
5. (Reserved) Deviations	None
6. Equivalent Safety Findings	None
7. Requirements elected to comply:	CS-23 Amdt.4 § 783(d)(e) CS-23 Amdt.4 § 803(a) CS-23 Amdt.4 § 807(d) CS-23 Amdt.4 § 811(b) CS-23 Amdt.4 § 813(a) CS-23 Amdt.4 § 853(d) FAR 23.856
8. Environmental Protection	EASA CS-36, amdt.4, 12 January 2016 with reference to ICAO Annex 16, Volume I, 8th Edition, July 2017;



A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition	C. A. Tecnam Aircraft P2012 report "Type design definition" 2012/003 1 st ed. and later revision		
2. Description	Twin engine, 11 seats, high wing airplane, aluminium construction, fixed tricycle landing gear.		
3. Equipment	Equipment list, Doc. 2012/100 AFM Section 6 latest issue		
4. Dimensions:	Span	14.0 m	(45.9 ft)
	Length	11.8 m	(38.7 ft)
	Height	4.4 m	(14.4 ft)
	Wing Area	25.4 m ²	(273 sqft)
5. Engine			
5.1. Model	Lycoming TEO-540-C1A (2x)		
5.2 Type Certificate	EASA TCDS n° IM.E.119 dated 12 December 2018		
5.3 Limitations	Max continuous power 280 kW (375HP) at 2575 RPM Other engine's limitations are listed in doc. No. 2012/100 "AFM", Section 2		
6. Load factors			
6.1Basic		Flap UP	Flap DOWN
	Positive	+3.44 g	+2.0 g
	Negative	-1.37g	0.0 g
7. Propeller			
7.1 Model	MT Propeller MTV-14-B-C-F/CF195-30 (2x)		
7.2 Type Certificate	EASA TCDS n° P.017		
7.3 Number of blades	4		
7.4 Diameter	1950 mm		
7.5 Sense of Rotation	Clockwise (pilot's view)		
8. Fluids			
8.1 Fuel	AVGAS 100LL (ASTM D910) (see Lycoming SI-1070)		
8.2 Oil	Lubricant specifications and grade are detailed into the Lycoming SI-1014.		
9. Fluid capacities			
9.1 Fuel	Total:	750 litres	(198.1 US Gallon)
	Usable:	728 litres	(192.3 US Gallon)
9.2 Oil	Maximum oil capacity:	11.3 litres	(12.0 qts)
	Minimum:	3.8 litres	(4.0 qts)



10. Airspeeds	Design Maneuvering Speed V_A : 141 KIAS (142 KCAS) Flap Extended Speed V_{FE} : 119 KIAS (119 KCAS) <i>LND</i> 124 KIAS (125 KCAS) <i>TO</i> Minimum Control Speed V_{MC} : 70 KIAS (76 KCAS) <i>TO</i> 67 KIAS (73 KCAS) <i>LND</i> Cruising Speed V_{NO} : 176 KIAS (175 KCAS) Never Exceed Speed V_{NE} : 219 KIAS (223 KCAS)
11. Maximum Operating Altitude:	13,000 ft
12. Approved Operations Capability	Day/Night-VFR, IFR Flight into expected or actual icing conditions is allowed only if Ice Protection system (MOD2012/002) is installed.
13. Maximum Masses	Take-off 3600 kg (7936 lb) Landing 3600 kg (7936 lb)
14. Centre of Gravity Range	Forward limit: 0.367 m (18.0 % MAC) behind Datum up to 3000Kg 0.441 m (22.0 % MAC) behind Datum at MTOW Straight line variation between indicated points. Rear limit: 0.606 m (31.0 % MAC) behind Datum
15. Datum	Wing leading edge (MAC = 1.839m)
16. Control surface deflections	Elevator: $23^\circ \pm 2^\circ$ to pitch up / $13^\circ \pm 2^\circ$ to pitch down Elevator Trim Tab: $-8^\circ \pm 2^\circ$ upward / $-21^\circ \pm 2^\circ$ downward Aileron: $20^\circ \pm 2^\circ$ upward / $15^\circ \pm 2^\circ$ downward Aileron Trim Tab: $30^\circ \pm 2^\circ$ upward / $28^\circ \pm 2^\circ$ downward Rudder: $22^\circ \pm 2^\circ$ left / $22^\circ \pm 2^\circ$ right Rudder Trim Tab: $6^\circ \pm 2^\circ$ left / $6^\circ \pm 2^\circ$ right Flaps: 0° Fully Retracted / $15^\circ \pm 2^\circ$ TO / $30^\circ \pm 2^\circ$ Fully Extended
17. Levelling Means	Seat support tracks (see AFM, 2012/100, Sect.6 for the procedure)
18. Minimum Flight Crew	1 (Pilot)
19. Maximum Passenger Seating Capacity	9
20. Baggage/ Cargo Compartments	Max. allowable Loads: Front 103 kg (227 lb) Location 3.316m (10,88 ft) fwd of datum Rear 239Kg (527 lb) Location 3.518m (11,54 ft) aft of datum
21. Wheels and Tyres	Nose Wheel Tyre Size 6.00-6 Main Wheel Tyre Size 6.50-10
22. Serial Numbers Eligible:	S/N 002 and subsequent;



A.IV. Operating and Service Instructions

- | | |
|--------------------------------|--|
| 1. Flight Manual | Doc. No 2012/100 "Aircraft Flight Manual" Issue. 1 or latest issue. |
| 2. Maintenance Manual | Doc. No 2012/101 "Aircraft Maintenance Manual" Issue. 1 or latest issue |
| 3. Illustrated Parts Catalogue | Doc. No 2012/103 "Aircraft Illustrated Parts Catalogue" Issue. 1 or latest issue |
| 4. Instruments and aggregates: | Doc. No 2012/101 "Aircraft Maintenance Manual" Issue. 1 or latest issue |

A.IV. 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.637 as per Commission Regulation (EU) 748/2012 as amended by Commission Regulation (EU) No 69/2014.

A.V. Notes

Note 1: Master Minimum Equipment List

- a.) The MMEL is in the process of being approved as per the defined Operational Suitability Data Certification Basis until aircraft entry into service.
- b.) Required for entry into service by EU operator.

Note 2: Fuel Combustion Heater is not permitted to be operated and must be secured and labelled "Do NOT operate" until closure of the Post-TC change.

Note 3: Until the completion of the Fatigue Test, the A/C is life limited as listed in Section 04 of the AMM.

Note 4: P2012 Optional Equipment

P2012 Optional Equipment

ID	System Description
MOD2012/001	Autopilot System
MOD2012/002	TKS FIKI system Ice protection system
MOD2012/003	Flight Management System keyboard
MOD2012/004	Weather radar
MOD2012/005	TAS unit
MOD2012/006	Iridium data-link
MOD2012/007	Satellite data-link
MOD2012/009	Air Conditioning





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
01	19 December 2018	Initial Issue	Issue 1; 19.12.2018

-END-

