TYPE-CERTIFICATE

DATA SHEET

NO. EASA.A.637

for

P2012

Type Certificate Holder
Costruzioni Aeronautiche TECNAM SPA

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

For models: P2012 Traveller
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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 S. D’aquisto, 62
                  80042 Boscotrecase (NA)
                  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


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
A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition
   C. A. Tecnam Aircraft P2012 report “Type design definition” 2012/003 1st 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 m² (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
   - 6.1 Basic
     | Flap UP | Flap DOWN |
     | Positive | +3.44 g  | +2.0 g  |
     | Negative  | -1.37 g  | 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) $LND$
- Flap Extended Speed $V_{FE}$: 124 KIAS (125 KCAS) $TO$
- Minimum Control Speed $V_{MC}$: 70 KIAS (76 KCAS) $TO$
- Minimum Control Speed $V_{MC}$: 67 KIAS (73 KCAS) $LND$
- Cruising Speed $V_{NO}$: 176 KIAS (175 KCAS)
- Never Exceed Speed $V_{NE}$: 223 KIAS (219 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.

Flight into expected or actual icing conditions is forbidden if stall warning devise (MOD2012/022) 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
- Rear limit:
  0.606 m (31.0 % MAC) behind Datum

MAC is 1.839m (72.4 in)

15. Datum

- Vertical plane tangent to wing leading edge

16. Control surface deflections

- Elevator: 23°±2° to pitch up / 13°±2° to pitch down
- Elevator Trim Tab: -8 ±2° upward / -21°±2° downward
- Aileron: 20°±2° upward / 15°±2° downward
- Aileron Trim Tab: 30°±2° upward / 28°±2° downward
- Rudder: 22°±2° left / 22°±2° right
- Rudder Trim Tab: 6°±2° left / 6°±2° right
- Flaps: 0° Fully Retracted / 15°±2° TO / 30°±2° 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 2012/101 “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.V. Notes

Note 1: As per EU 748/2012 Article 7a.2 applicable OSD requirements including MMEL must be fulfilled before the aircraft is operated by an EU operator.

Note 2: Fuel Combustion Heater change (MOD202/008) is approved as per EASA approval No. 10069738

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: The following P2012 Optional Equipment are approved within Type of investigation process

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

<table>
<thead>
<tr>
<th>TC Holder</th>
<th>Period</th>
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<tbody>
<tr>
<td>Costruzioni Aeronautiche TECNAM S.P.A.</td>
<td>Effective</td>
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<tr>
<td>Via S. D’acquisto, 62</td>
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<td>80062 Boscotrecase (NA), ITALY</td>
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III. Change Record

<table>
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<tr>
<th>Issue</th>
<th>Date</th>
<th>Changes</th>
<th>TC Issue No. &amp; Date</th>
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<tbody>
<tr>
<td>01</td>
<td>19 November 2018</td>
<td>Initial Issue</td>
<td>EASA.A.637</td>
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<tr>
<td>02</td>
<td>29 April 2019</td>
<td>MOD2012/008 Approval (EASA N. 10069738) and typos error removal</td>
<td>/</td>
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<tr>
<td>03</td>
<td>29 May 2019</td>
<td>MOD2012/022 Approval (EASA N. 10070098) and Company business address update</td>
<td>/</td>
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