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
CONTENT

SECTION A: P2012 TRAVELLER

A.I. General .................................................................................................................................................. 4
A.II. EASA Certification Basis ......................................................................................................................... 4
A.III. Technical Characteristics and Operational Limitations ........................................................................... 5
A.IV. Operating and Service Instructions ......................................................................................................... 8
A.V. Notes ....................................................................................................................................................... 8

SECTION ADMINISTRATIVE

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 S. D’acquisto, 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

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
      No.2 Lycoming TEO-540-C1A
   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
      Positive +3.44 g +2.0 g
      Negative -1.37g 0.0 g

7. Propeller
   7.1 Model
      No.2 MT Propeller MTV-14-B-C-F/CF195-30 ( ) (see note 1)
   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) $LND$

Minimum Control Speed $V_{MC}$: 70 KIAS (76 KCAS) $TO$

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

<table>
<thead>
<tr>
<th>Operation</th>
<th>Maximum Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take-off</td>
<td>3600</td>
</tr>
<tr>
<td>Landing</td>
<td>3600</td>
</tr>
</tbody>
</table>

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

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
Location 3.316m (10,88 ft) fwd of datum
Rear
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**  

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.V. **Notes**

**Note 1:** As per Manufacturer TCDS, propellers with designation having a “small” letter in the place of the brackets (for example “MTV-14-B-C-F/CF 195-30x”) may be installed since it does not affect interchangeability. A capital letter in the place of the bracket (for example MTV-14-B-C-F/CF 195-30X) may not be installed according to propeller TCDS since it may affect interchangeability.

**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>
</tr>
<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 Union 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. Via S. D’acquisto, 62 80062 Boscotrecase (NA), ITALY</td>
<td>Effective</td>
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III. Change Record

<table>
<thead>
<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>
</tr>
<tr>
<td>04</td>
<td>27 December 2019</td>
<td>Updated propeller and engine information (field A.III (5.1 and 7.1). Amended note 1)</td>
<td></td>
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