TYPE-CERTIFICATE
DATA SHEET

EASA.A.583

P2008 JC

Costruzioni Aeronautiche TECNAM SPA

Via Salvo D'Acquisto 62
80042 Boscotrecase (Na)
ITALIA
CONTENT

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SECTION A: P2008 JC

A.I.  General

1. Data Sheet No.: EASA.A.583
2. a) Type: P2008 JC
3. Airworthiness Category: CS-VLA Normal category
4. Type Certificate Holder: Costruzioni Aeronautiche TECNAM SPA.
   Via Salvo D’Acquisto 62
   80042 Boscocatrace (NA)
   ITALIA
5. Manufacturer: Costruzioni Aeronautiche TECNAM SPA.
   Via Salvo D’Acquisto 62
   80042 Boscocatrace (NA)
   ITALIA
6. Certification Application Date: 09 May 2011
7. (Reserved) National Certifying Authority N/A
8. (Reserved) National Authority Type Certificate Date: N/A

A.II.  EASA Certification Basis

1. Reference Date for determining the applicable requirements: 09 May 2011
2. Airworthiness Requirements: EASA CS-VLA amdt.1 dated 5 May 2009
3. Special Conditions: SC-VFR Night VLA 01 (CRI O-101); SC-F-1309-01 Protection from the Effect of HIRF (CRI F-101); SC-ELA.2015-01 - Lithium battery installations for ELA1 Aeroplanes (CRI F-103) (See Note 6).
4. Exemptions: None
5. Deviations: None
6. Equivalent Safety Findings: None
7. Requirements elected to comply: None
9. (Reserved) Additional National Requirements: N/A
A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Document no. 2008/008 “Type Design Definition”

2. Description: Single-engine, fixed pitch propeller, two seats, high wing aeroplane equipped with fixed tricycle landing gear, featuring composite, aluminium and steel construction.

3. Equipment: Equipment list, AFM, doc. No. 2008/100, Section 6

4. Dimensions:
   - Span: 9.00 m (29.5 ft)
   - Length: 6.97 m (22.9 ft)
   - Height: 2.67 m (8.8 ft)
   - Wing Area: 12.16 m² (130.9 ft²)

5. Engine:
   - 5.1.1 Model (see Note 7): BRP-Rotax GmbH 912 S2
   - 5.1.2 Type Certificate: EASA Type Certificate No. EASA.E.121
   - 5.1.3 Limitations:
     - Take-Off Power 73.5 kW (98.6 HP) at 5800 RPM (5 minutes maximum)
     - Max continuous power 69 kW (92.5 HP) at 5500 RPM
     - Other engine’s limitations are listed in doc. No. 2008/100 “P2008 JC Aircraft Flight Manual”, Section 2

6. Load factors:
   - 6.1 Basic:
     - Positive: Flap UP +4.0 g Flap DOWN +2.0 g
     - Negative: Flap UP -2.0 g Flap DOWN 0.0 g
   - 6.2 Optional (see Notes 2,3):
     - Positive: Flap UP +3.8 g Flap DOWN +1.9 g
     - Negative: Flap UP -1.9 g Flap DOWN 0.0 g

7. Propeller:
     - Type Certificate: EASA Type Certificate No. EASA.P.108
     - Number of blades: 2
     - Diameter: 1.730 m (68 in) – No reduction is permitted
     - Sense of Rotation: Clockwise (pilot’s view)
   - 7.2 Model (see Notes 1,3): Hoffmann KG: HO17GHM A 174 177C
     - Type Certificate: LBA Type Certificate No. 32.110/1 (EASA Approved)
     - Number of blades: 2
Diameter: 1,740 m (68.5 in) – No reduction is permitted
Sense of Rotation: Clockwise (pilot’s view)

7.3 Model (see Note 5): MT Propeller MTV-34-1-A/170-202
Type Certificate: EASA.P.049
Number of blades: 3
Diameter: 1,70 m – No reduction is permitted

8. Fluids:

8.1 Fuel:
- MOGAS:
  - ASTM D4814 (min RON 95/AKI 91)
  - EN 228 Super/Super plus (min. RON 95/AKI 91)
  - MOGAS MG 95 (IS 2796:2008) (see Note 4)
- AVGAS 100 LL (ASTM D910)

8.2 Oil:
Only oil with API classification “SG” or higher. Recommended by Rotax:
  - SHELL AeroShell Sport Plus 4 API SL
  Refer to Rotax SI-912-016 R4 for list of alternative recommended commercial brands and types.

8.3 Coolant:
According to Aircraft Flight Manual

9. Fluid capacities:

9.1 Fuel:
2 Tanks: 62 litres each (16.38 US gallons)
Total: 124 litres (32.76 US gallons)
Usable: 120 litres (32 US gallons)

9.2 Oil:
Total: 3 litres
Minimum: 2.5 litres

9.3 Coolant system capacity:
Expansion tank: 0.25 litres
Overflow bottle: 0.5 litres

10. Air Speeds:

10.1 Basic:
Never exceed speed $V_{NE}$ 141 KCAS
Maximum Structural Cruising Speed $V_{NO}$ 111 KCAS
Design Manoeuvring speed $V_A$ 98 KCAS
Operating Manoeuvring speed $V_O$ 98 KCAS
Maximum flaps extended speed $V_{FE}$ 72 KCAS

10.2 Optional (see Notes 2,3):
Never exceed speed $V_{NE}$ 139 KCAS
Maximum Structural Cruising Speed $V_{NO}$ 110 KCAS
Design Manoeuvring speed $V_A$ 97 KCAS
11. Maximum Operating Altitude: 13,000 ft

12. All-weather Operations Capability: Day-VFR; Night VFR is allowed on aeroplanes with KIT P/N 28-13-1000-000 installed and operative. Refer to KOEL contained in the AFM, doc. No. 2008/100, Section 2. Flight into expected or actual icing conditions is prohibited.

13. Maximum Weights:

13.1 Basic: Max Take-Off: 630 kg (1388 lb) Max Landing: 630 kg (1388 lb)

13.2 Optional (see Notes 2,3): Max Take-Off: 650 kg (1433 lb) Max Landing: 650 kg (1433 lb)

14. Centre of Gravity Range: Forward Limit: 1,841 m (20% MAC) behind datum Aft Limit: 1,978 m (30% MAC) behind datum Mean Aerodynamic Chord is 1,373 m (54 in)

15. Datum: Propeller support flange without spacer

16. Control surface deflections: Stabilator: 15°±2° to pitch up / 4°±2° to pitch down Stabilator Trim Tab: 12 ±1° downward / 2°±1° upward Aileron: 22°±2° upward / 14°±2° downward Rudder: 25°±2° left / 25°±2° right Flaps: 0° Fully Retracted / 35°±1° Fully Extended


18. Minimum Flight Crew: 1

19. Maximum Passenger Seating Capacity: 1

20. Baggage/Cargo Compartments: Max Allowable Load: 20 kg (44 lb) Location: 2,42 m (95.28 in) from datum

21. Wheels and Tyres: Nose Wheel Tyre Size: 5.00-5, Type III
Main Wheel Tyre Size  5.00-5, Type III

For approved Types and rating see AMM, doc No. 2008/101

22. Serial Numbers Eligible:  1002 to subsequent
A.IV. Operating and Service Instructions


A.V. **Notes:**

1) When MOD 2008/029 (EASA approval 10052448) or MOD 2008/045 (EASA approval 10056252) is installed

2) When MOD 2008/027 (EASA approval 10053015) or MOD 2008/045 (EASA approval 10056252) is installed

3) MOD description:
   - MOD2008/027: MTOW increment to 650kg
   - MOD2008/029: Hoffmann propeller
   - MOD2008/045: Hoffmann propeller combined with MTOW increment to 650kg
   - MOD2008/086: MT propeller

4) When MOD 2008/077 (EASA approval 10059501) is installed;

5) When MOD2008/086 (EASA approval 10063313) is installed. MOD2008/086 can be installed only on aircraft with MTOW increased to 650 kg (as per MOD2008/027).

6) When MOD 2008/037 (EASA approval 10064044) is installed.

7) When engine with designation extended with suffix “-01” (e.g. Rotax 912 S2-01) is installed (as per MOD2008/041, EASA approval 10054136), the engine temperature measurement methods have been amended from CHT (cylinder head temperature) and CT (coolant temperature) to only CT (coolant temperature).
ADMINISTRATIVE SECTION

I. Acronyms
AFM – Aircraft Flight Manual
AMM – Aircraft Maintenance Manual
API – American Petroleum Industry
ASTM – American Society for Testing and Materials
CRI – Certification Review Item
CS – Certification Specification
VLA – Very Light Aircraft
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
MLW – Maximum Landing Weight
MTOW – Maximum Take-Off Weight
MZFW – Maximum Zero Fuel Weight
TC – Type Certificate
TCDS – Type Certificate Data Sheet
VFR – Visual Flight Rules

II. Type Certificate Holder Record

<table>
<thead>
<tr>
<th>TC Holder</th>
<th>Period</th>
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<tr>
<td>Costruzioni Aeronautiche TECNAM S.r.l.</td>
<td>From 27th September 2013 until 04th September 2019</td>
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<td>Costruzioni Aeronautiche TECNAM SPA</td>
<td>Effective</td>
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<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>Issue 01</td>
<td>27 September 2013</td>
<td>Initial Issue</td>
<td>Is.01, 27 Sep 2013</td>
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<tr>
<td>Issue 02</td>
<td>24 July 2014</td>
<td>S/N 1001 is excluded from the TCDS</td>
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<td>Issue 03</td>
<td>23 April 2015</td>
<td>Increment of weight (mod 2008/027) and new propeller (MOD 2008/029) are added</td>
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<td>Issue 04</td>
<td>23 October 2015</td>
<td>Updated TC Hoffmann reference</td>
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<tr>
<td>Issue 05</td>
<td>11 December 2015</td>
<td>Changed 8.3 (cooler type)</td>
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<tr>
<td>Issue 06</td>
<td>18 January 2016</td>
<td>Changed notes 1, 2 and 3</td>
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<tr>
<td>Issue 07</td>
<td>11 October 2016</td>
<td>Changed A.III - 8.1 (added fuel type) and added note 4</td>
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<td>Issue 08</td>
<td>06 October 2017</td>
<td>Added MT propeller</td>
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<tr>
<td>Issue 09</td>
<td>18 December 2017</td>
<td>Changed A.II - 3 (Added Special condition for Lithium battery). Added note 6. Added description of MOD2008/077 and MOD2008/037 to note 4. Section A.III – 8 was unintentionally removed and it has been restored. Issue records removed from page 1</td>
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<tr>
<td>Issue 10</td>
<td>05 September 2019</td>
<td>Change of TCH registration and address</td>
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<tr>
<td>Issue 11</td>
<td>20 December 2019</td>
<td>Updated Engine designation (field A.III (5.1.1)). Added note 7</td>
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