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# TYPE-CERTIFICATE DATA SHEET

**EASA.A.583**

**P2008 JC**

**Costruzioni Aeronautiche TECNAM SPA**

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



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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 Boscotrecase (NA)  
ITALIA
5. Manufacturer: Costruzioni Aeronautiche TECNAM SPA.  
Via Salvo D'Acquisto 62  
80042 Boscotrecase (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).
3. Exemptions: None
4. Deviations: None
5. Equivalent Safety Findings: None
6. Requirements elected to comply: None
7. Environmental Standards: Refer to TCDSN EASA.A.583;
8. (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 m <sup>2</sup> (130.9 ft <sup>2</sup> ) |
5. Engine:
  - 5.1.1 Model<sub>(see note 7)</sub>: 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:                                | Flap UP  | Flap DOWN |        |
|   | Positive | +4,0 g    | +2,0 g |
|   | Negative | -2,0 g    | 0,0 g  |
| 6.2 Optional <sub>(see Notes 2,3)</sub> : | Flap UP  | Flap DOWN |        |
|   | Positive | +3,8 g    | +1,9 g |
|   | Negative | -1,9 g    | 0,0 g  |
7. Propeller:
  - 7.1 Model: GT propellers: GT-2/173/VRR-FW101 SRTC  
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 <sub>(see Notes 1,3)</sub>: 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 2796:2017) (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 4API SLRefer 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  |
| Operating Manoeuvring speed $V_O$          | 97 KCAS  |
| Maximum flaps extended speed $V_{FE}$      | 71 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:  $15^{\circ} \pm 2^{\circ}$  to pitch up /  $4^{\circ} \pm 2^{\circ}$  to pitch down  
Stabilator Trim Tab:  $12 \pm 1^{\circ}$  downward /  $2^{\circ} \pm 1^{\circ}$  upward  
Aileron:  $22^{\circ} \pm 2^{\circ}$  upward /  $14^{\circ} \pm 2^{\circ}$  downward  
Rudder:  $25^{\circ} \pm 2^{\circ}$  left /  $25^{\circ} \pm 2^{\circ}$  right  
Flaps:  $0^{\circ}$  Fully Retracted /  $35^{\circ} \pm 1^{\circ}$  Fully Extended
17. Levelling Means: seat track supporting beams (see procedure in doc. No. 2008/100 "P2008 JC Aircraft Flight Manual", Section 6)
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**

1. Flight Manual: Doc. No. 2008/100 "P2008JC Aircraft Flight Manual" Last issue
2. Technical Manual: Doc. No. 2008/101 "P2008JC Aircraft Maintenance Manual" Last issue
3. Spare Parts Catalogue: Doc. No. 2008/102 "P2008JC Illustrated Parts Catalogue" Last issue
4. Instruments and aggregates: Doc. No. 2008/101 "P2008JC Aircraft Maintenance Manual" Last issue



**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 2008/210 (EASA approval 10084361) is installed. Previous Indian fuel specification is accepted as per MOD 2008/077 (EASA approval 10059501);
- 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 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

| <b>TC Holder</b>  | <b>Period</b>   |
|---|---|
| Costruzioni Aeronautiche TECNAM S.r.l.<br>Via Tasso, 478<br>80127 Napoli, ITALIA                | From 27th September 2013 until 04th<br>September 2019 |
| Costruzioni Aeronautiche TECNAM SPA<br>Via S. D'acquisto, 62<br>80042 Boscotrecase (Na), ITALIA | Effective   |



### III. Change Record

| <b>Issue</b> | <b>Date</b>       | <b>Changes</b>  | <b>TC Issue No. &amp; Date</b> |
|--------------|-------------------|---|--------------------------------|
| Issue 01     | 27 September 2013 | Initial Issue   | Is.01, 27 Sep 2013             |
| Issue 02     | 24 July 2014      | S/N 1001 is excluded from the TCDS  |                                |
| Issue 03     | 23 April 2015     | Increment of weight (mod 2008/027) and new propeller (MOD 2008/029) are added   |                                |
| Issue 04     | 23 October 2015   | Updated TC Hoffmann reference   |                                |
| Issue 05     | 11 December 2015  | Changed 8.3 (coolant type)  |                                |
| Issue 06     | 18 January 2016   | Changed notes 1, 2 and 3  |                                |
| Issue 07     | 11 October 2016   | Changed A.III - 8.1 (added fuel type) and added note 4  |                                |
| Issue 08     | 06 October 2017   | Added MT propeller  |                                |
| Issue 09     | 18 December 2017  | 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 |                                |
| Issue 10     | 05 September 2019 | Change of TCH registration and address  |                                |
| Issue 11     | 20 December 2019  | Updated Engine designation (field A.III (5.1.1)). Added note 7  |                                |
| Issue 12     | 30 April 2024     | Updated Indian fuel specification   |                                |