



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: CS-36 Amdt. 2 dated 31 August 2009, subpart C with reference to ICAO Annex 16, Volume 1, Chapter 10, Amdt. 9 dated 30 July 2009.
8. (Reserved) Additional National Requirements: N/A



9. (Reserved) 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 ² (130.9 ft ²) |
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: | Flap UP | Flap DOWN | |
| | Positive | +4,0 g | +2,0 g |
| | Negative | -2,0 g | 0,0 g |
| 6.2 Optional (see Notes 2,3): | 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 (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 4API 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 |



| | | |
|---|---|------------------|
| | 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° 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 2008/077 (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

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

III. Change Record

| Issue | Date | Changes | TC Issue No. & Date |
|--------------|-------------------|---|--------------------------------|
| 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 | |

