



TYPE-CERTIFICATE DATA SHEET

EASA.A.006

P2002

**Type Certificate Holder
Costruzioni Aeronautiche TECNAM S.p.A.**

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

For models: P2002-JF
P2002-JR

Issue 10: 20 December 2019

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SECTION A: P2002-JF

A.I. General

Data Sheet No.: EASA A.006	Issue: 09	Date: 20 December 2019	
1. a) model:	P2002-JF		
2. Airworthiness Category:	CS-VLA Normal Category		
3. Type Certificate Holder:	Costruzioni Aeronautiche TECNAM S.p.A. Via Salvo D'Acquisto, 62 80042 Boscotrecase (Na) ITALIA		
4. Manufacturer:	Costruzioni Aeronautiche TECNAM S.p.A Via Salvo D'Acquisto, 62 80042 Boscotrecase (Na) ITALIA		
5. JAA Certification Application Date:	29 May 2002		
6. JAA validation Date (JAA recommendation):	27 May 2004		
7. EASA Type Certification Date:	27 May 2004		

A.II. Certification Basis

1. Reference Date for determining the applicable requirements:	29 May 2002
2. (Reserved)	
3. (Reserved)	
4. Certification Basis:	As defined in CRI A-01, latest Issue
5. Airworthiness Requirements:	EASA CS-VLA dated 14/11/2003 (Equivalent to JAR-VLA ed. 26/04/1990 including amendments VLA/91/1 dated October 22 nd , 1991 and VLA/92/1 dated January 1, 1992)
6. Requirements elected to comply:	None
7. EASA Special Conditions:	CRI A-03 (SC VLAVFR Night)
8. EASA Exemptions:	None

9. EASA Equivalent Safety Findings: None
10. EASA Environmental Standards: Noise: JAR-36, 1st edition dated 23rd May 1996 subpart C with reference to ICAO Annex 16, 3rd Edition 1993, Volume 1, Chapter 10.
Emission: N/A

A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Doc. 2002/04 ed.1 rev.0 “Type design definition”
2. Description: Single engine, two-seat cantilever low wing airplane, aluminium and steel construction, fixed tricycle landing gear.
3. Equipment: Equipment list, AFM, Doc. 2002/28, Section 6
4. Dimensions:
- | | | |
|-----------|---------------------|--------------------------|
| Span | 8.6 m | (28.2 ft) |
| Length | 6.6 m | (21.7 ft) |
| Height | 2.4 m | (7.9 ft) |
| Wing Area | 11.5 m ² | (123.8 ft ²) |
5. Engine/s (see Note1): BRP-Rotax GmbH 912 S2 |
Certification Basis: FAR 33 amendment 15 |
EASA Type Certificate No. EASA.E.121 |

Aeroplanes with modification n. MOD2002/127 applied:
BRP-Rotax GmbH 912 S3 |
Certification Basis: FAR 33 amendment 15 |
EASA Type Certificate No. EASA.E.121 |
- 5.1 Engine Limits: Max rotational speed (5 min) 5800 r.p.m.
Max continuous rotational speed 5500 r.p.m (Engine shaft r.p.m)
Other engine’s limitations are listed in Doc. 2002/28 “Aircraft Flight Manual”
6. (Reserved)

7. Propeller/s:
- No.1 Hoffmann Propeller HO17GHM A 174
177C
Two blades, fixed pitch, made of wood.
LBA TCDS 32.110/1.
Type Certificate No. SO/E 30 dated 10/12/1999
Diameter : 1740 mm
- Aeroplanes with modification n. MOD2002/127
applied:
No.1Hoffmann Propeller
HOV352F1/C170FQ+8
Two blades, variable pitch, made of wood.
LBA TCDS 32.130/88 dated 20/08/2003
Diameter : 1780 mm
8. Fluids:
- 8.1 Fuel:
- Min. RON 95
EN 228 Premium
EN228 Premium plus
AVGAS 100LL (see Rotax Operators Manual)
- 8.2 Oil:
- Lubrificant specifications and grade are
detailed in the “Rotax Operators Manual” and
in its related documents
- 8.3 Coolant:
- Coolant specifications and detailed are detailed
in the “Rotax Operators Manual” and in its
related documents Section 2
9. Fluid capacities:
- 9.1 Fuel:
- Total: 100 liters
Usable: 99 liters
- 9.2 Oil:
- Total: 3.0 liters
Minimum: 2.0 liters
10. Air Speeds:
- Design Manoeuvring Speed V_A :
- 96 KIAS
Aeroplanes with modification n. MOD2002/29,
or equivalent Service Bulletin n. SB010-CS, installed: 98 KIAS
Aeroplanes with modification n. MOD2002/87,
or equivalent Service Bulletin n. SB0105-CS, installed: 100 KIAS
- Flap Extended Speed V_{FE} :
- 67 KIAS Full Flap
97 KIAS Take Off
Aeroplanes with modification n. MOD2002/29,
or equivalent Service Bulletin n. SB010-CS, installed: 68 KIAS Full Flap
99 KIAS Take Off
Aeroplanes with modification n. MOD2002/87,

- | | |
|---|--|
| or equivalent Service Bulletin n. SB0105-CS, installed: | 69 KIAS Full Flap
101 KIAS Take Off |
| Maximum structural cruising speed V_{NO}
Aeroplanes with modification n. MOD2002/29,
or equivalent Service Bulletin n. SB010-CS, installed: | 110 KIAS
112 KIAS |
| Aeroplanes with modification n. MOD2002/87,
or equivalent Service Bulletin n. SB0105-CS, installed: | 114 KIAS |
| Never exceed speed V_{NE} :
Aeroplanes with modification n. MOD2002/29,
or equivalent Service Bulletin n. SB010-CS, installed: | 138 KIAS
141 KIAS |
| Aeroplanes with modification n. MOD2002/87,
or equivalent Service Bulletin n. SB0105-CS, installed: | 142 KIAS |
| 11. (Reserved) | |
| 12. All weather Capability: | Day-VFR only
Flight into expected or actual icing conditions is prohibited
Night VFR is allowed if the SB 044-CS is applied. |
| 13. Maximum Masses: | |
| Take-off | 580 kg |
| Zero Fuel | 580 kg |
| Landing | 580 kg |
| Aeroplanes with modification n. MOD2002/29,
or equivalent Service Bulletin n. SB010-CS, installed: | |
| Take-off | 600 kg |
| Zero Fuel | 600 kg |
| Landing | 600 kg |
| Aeroplanes with modification n. MOD2002/87,
or equivalent Service Bulletin n. SB0105-CS, installed: | |
| Take-off | 620 kg |
| Zero Fuel | 620 kg |
| Landing | 620 kg |
| 14. Centre of Gravity Range: | |
| Forward limit | 1.693 m behind Datum |
| Rear limit: | 1.728 m behind Datum |
| 15. Datum: | Propeller support flange without spacer |
| 16. (Reserved) | |
| 17. Levelling Means: | Seat support trusses
(see "P2002-JF Flight Manual" Sect.6
for the procedure) |

- | | | |
|-----|-------------------------------------|----------------------|
| 18. | Minimum Flight Crew: | 1 (Pilot) |
| 19. | Maximum Passenger Seating Capacity: | 1 |
| 20. | (Reserved) | |
| 21. | Baggage / Cargo Compartments | |
| | Max. allowable Load | 20 kg |
| | Location | 2.26 m aft the datum |
| 22. | Wheels and Tyres | |
| | Nose Wheel Tyre Size | 4.00-6 |
| | Main Wheel Tyre Size | 5.00-5 |

A.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)	Document No. 2002/28 Last edition
Airplane Maintenance Manual (AMM) (incl. Airworthiness Limitations)	Document No. 2002/30 Last edition
Service Information and Service Bulletins	None

A.V. Notes

- 1) When engine with designation extended with suffix "-01" (e.g. Rotax 912 S2-01) is installed (as per MOD2001/157, EASA approval 10053863), the engine temperature measurement methods have been amended from CHT (cylinder head temperature) and CT (coolant temperature) to only CT (coolant temperature).

SECTION B: P2002-JR

B.I. General

Data Sheet No.: EASA A.006	Issue: 09	Date: 20 December 2019	
1. a) model:	P2002-JR		
2. Airworthiness Category:	CS-VLA Normal Category		
3. Type Certificate Holder:	Costruzioni Aeronautiche TECNAM S.p.A. Via Salvo D'Acquisto, 62 80042 Boscotrecase (Na) ITALIA		
4. Manufacturer:	Costruzioni Aeronautiche TECNAM S.p.A. Via Salvo D'Acquisto, 62 80042 Boscotrecase (Na) ITALIA		
5. JAA Certification Application Date:	29 May 2002		
6. JAA validation Date (JAA recommendation):	27 May 2004		
7. EASA Type Certification Date:	2 February 2007		

B.II. Certification Basis

1. Reference Date for determining the applicable requirements:	16 December 2004
2. (Reserved)	
3. (Reserved)	
4. Certification Basis:	As defined in CRI A-01, latest Issue
5. Airworthiness Requirements:	EASA CS-VLA dated 14/11/2003
6. Requirements elected to comply:	None
7. EASA Special Conditions:	CRI A-03 (SC VLA VFR Night)
8. EASA Exemptions:	None

9. EASA Equivalent Safety Findings: None
10. EASA Environmental Standards: Noise: CS-36 with reference to ICAO/Annex 16 Ed. 3 dated 1993, Volume I, Chapter 10
Emission: N/A

B.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Doc. 2002/82 ed.1 rev.0 “JR Type design definition”
2. Description: Single engine, two-seat cantilever low wing airplane, aluminium and steel construction, retractable tricycle landing gear.
3. Equipment: Equipment list, AFM, Doc. 2002/91, Section 6,
4. Dimensions:
- | | | |
|-----------|---------------------|--------------------------|
| Span | 8.6 m | (28.2 ft) |
| Length | 6.6 m | (21.7 ft) |
| Height | 2.4 m | (7.9 ft) |
| Wing Area | 11.5 m ² | (123.8 ft ²) |
5. Engine/s (note 1): BRP-Rotax GmbH 912 S3
Certification Basis: FAR 33 amendment 15
EASA Type Certificate No. EASA.E.121
- 5.1 Engine Limits: Max rotational speed (5 min)5800 r.p.m.
Max continuous rotational speed 5500 r.p.m
(Engine shaft r.p.m)
Other engine’s limitations are listed in Doc. 2002/91 “Aircraft Flight Manual”
6. (Reserved)
7. Propeller/s: No.1Hoffmann Propeller
HOV352F1/C170FQ+8
Two blades, variable pitch, made of wood.
LBA TCDS 32.130/88 dated 20/08/2003
Diameter : 1780 mm
- 7.1 Settings
Low pitch setting : 13°

8. Fluids:

8.1 Fuel: Min. RON 95
EN 228 Premium
EN228 Premium plus
AVGAS 100LL (see Rotax Operators Manual)

8.2 Oil: Lubricant specifications and grade are detailed in the “Rotax Operators Manual” and in its related documents

8.3 Coolant: Coolant specifications and detailed are detailed in the “Rotax Operators Manual” and in its related documents Section 2

8. Fluid capacities:

9.1 Fuel: Total: 100 liters
Usable: 99 liters

9.2 Oil: Maximum: 3.0 liters
Minimum: 2.0 liters

10. Air Speeds:

Design Manoeuvring Speed V_A : 99 KIAS

Flap Extended Speed V_{FE} : 68 KIAS

Maximum landing gear operation speed V_{LO} 68 KIAS

Maximum structural cruising speed V_{NO} 113 KIAS

Never exceed speed V_{NE} : 144 KIAS

11. (Reserved)

12. All weather Capability:

Day-VFR only
Flight into expected or actual icing conditions is prohibited
Night VFR is allowed if the SB 044-CS is applied.

13. Maximum Masses:

Take-off 600 kg
Zero Fuel 600 kg
Landing 600 kg

- 14. Centre of Gravity Range:
 - Forward limit: 1.746 m behind Datum
 - Rear limit: 1.801 m behind Datum
- 15. Datum: Propeller support flange without spacer
- 16. (Reserved)
- 18. Levelling Means: Seat support trusses
(see “P2002-JR Flight Manual” Sect.6
for the procedure)
- 18. Minimum Flight Crew: 1 (Pilot)
- 19. Maximum Passenger Seating Capacity: 1
- 20. (Reserved)
- 21. Baggage / Cargo Compartments
 - Max. allowable Load 20 kg
 - Location 2.30 m aft the datum
- 22. Wheels and Tyres
 - Nose Wheel Tyre Size 4.00-5
 - Main Wheel Tyre Size 5.00-5

B.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)	Document No. 2002/91
Airplane Maintenance Manual (AMM) (incl. Airworthiness Limitations)	Document No. 2002/93
Service Information and Service Bulletins	None

B.V. Notes

1) When engine with designation extended with suffix “-01” (e.g. Rotax 912 S2-01) is installed (as per MOD2001/157, EASA approval 10053863), 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 N/A

II Type Certificate Holder Record

TC Holder	Period
Costruzioni Aeronautiche TECNAM S.r.l. Via Tasso, 478 80127 Napoli, ITALIA	From 27 th May 2004 until 12 th November 2019
Costruzioni Aeronautiche TECNAM SPA Via S. D'acquisto, 62 80042 Boscotrecase (Na), ITALIA	Effective

III Change Record

- Issue 1 Initial issue 27 May 2004
- Issue 2 4 June 2004: Noise data added to A.V:
Noise Data Level determined according to JAR 36 ICAO/Annex 16 Ch. 10
is: 63.6 db
- Issue 3 6 April 2006: Correction of rear limit of centre of gravity range from
1728mm to 1782mm (A.III Page 6).
Minor layout/editorial changes
- Issue 4 Approval of P2002-JR variant
New standard for fuel type
Maximum oil level
New indication for coolant
- Issue 5 Increase of MTOW for P2002-JF from 580kg to 600kg.
Different V_{FE} for different flap configuration

- Issue 6 VFR Night operations extension. SB 050-CS "P2002 VFR Night" prescribes the installations of the following modifications to allow night VFR operations:
- MOD2002/001 "*Installazione Garmin GNS 430 e Audio Panel GMA 340*" or equivalent MOD2002/027 "*Installation GPS Garmin GNS 530 on P2002 series*" or optionally MOD2002/027 "*Installation of the Garmin SL30 VHF COMM/NAV*" if the aircraft operates outside Italy
 - MOD2002/039 "*Installation Transponder Garmin GTX 328*" or equivalent MOD2002/016 "*Transponder Garmin GTX 330*" or equivalent MOD2002/005 "*Installazione Garmin GTX 327*" or equivalent MOD2002/002 "*Transponder Garmin GTX320 installation*"
 - MOD2002/041 "*G500 Installation*"
 - MOD2002/080 "*Installation of the Garmin SL40 VHF COMM*"
 - MOD2002/021 "*ELT AK 450 installation*"
- Issue 7 29 November 2012
Increase of MTOW for P2002-JF from 580Kg to 620Kg.
- Issue 8 7 June 2013: P2002JF Variable pitch propeller provision.
- Issue 9 13 November 2019: Business name and address updated
- Issue 10 20 December 2019: Updated Engine designation (field 5 in A.III and B.III); added note 1 in A.V and B.5; replaced "variant" with "model" in first page; replaced "type" with "model" in A.I (1) and B.I (1).