



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
P-Mentor

Issue 12: 06 April 2022



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SECTION A: P2002-JF

A.I. General

1. Type/Model:
 - 1.1.Type P2002
 - 1.2.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 22nd,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: Refer to TCDSN EASA.A.006
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 Note 1):

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.1 Hoffmann 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} 110 KIAS
Aeroplanes with modification n. MOD2002/29,
or equivalent Service Bulletin n. SB010-CS, installed: 112 KIAS
Aeroplanes with modification n. MOD2002/87,
or equivalent Service Bulletin n. SB0105-CS, installed: 114 KIAS
- Never exceed speed V_{NE} : 138 KIAS
Aeroplanes with modification n. MOD2002/29,
or equivalent Service Bulletin n. SB010-CS, installed: 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
Night VFR is allowed (see note 2)
Flight into expected or actual icing conditions is prohibited
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: | 1.782 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).
- 2) VFR Night operations is allowed when MOD2002/050 "*P2002 VFR Night for Digital configuration*" (EASA approval N. 10033950) or MOD2002/084 "*P2002 VFR Night for Analogical configuration*" (EASA approval N. 10034907) is installed



SECTION B: P2002-JR

B.I. General

1. Type/Model:
 - 1.1.Type P2002
 - 1.2.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: Refer to TCDSN EASA.A.006
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, aluminum 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: 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:
 - Fuel: Min. RON 95
EN 228 Premium
EN228 Premium plus
AVGAS 100LL (see Rotax Operators Manual)
 - Oil: Lubrificant specifications and grade are detailed in the “Rotax Operators Manual” and in its related documents
 - 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: 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
Night VFR is allowed (see note 2)
Flight into expected or actual icing conditions is prohibited.
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).
- 2) VFR Night operations extension is allowed when MOD2002/050 "*P2002 VFR Night for Digital configuration*" (EASA approval N. 10033950) or MOD2002/084 "*P2002 VFR Night for Analogical configuration*" (EASA approval N. 10034907) is installed



SECTION C: P-Mentor

C.I. General

1. Type/Model:
 - 1.1.Type P2002
 - 1.2.Model P-Mentor
2. Airworthiness Category: CS-23, 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. EASA Type Certification Application Date: 19 February 2020
- EASA Type Certification Date: 06 April 2022
- 6.

C.II. Certification Basis

1. Reference Date for determining the applicable requirements: 19 February 2020
2. Airworthiness Requirements: EASA CS-23, [Certification Specifications for Normal Category aeroplanes] amdt.5
EASA CS-ACNS issue 2
3. Requirements elected to comply: None
4. EASA Special Conditions: None
5. EASA Exemptions: None
6. EASA Equivalent Safety Findings: None
7. EASA Environmental Standards: Refer to TCDSN EASA.A.006
Emission: N/A



C.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Doc. 2002/1000 ed.1 rev.0 “P-Mentor type design definition”
2. Description: Single engine, two-seat cantilever low wing airplane, aluminum and steel construction, fixed tricycle landing gear.
3. Equipment: Equipment list, AFM, Doc. 2002/1032, Section 6,
4. Dimensions:

Span	9.00 m	(29.5 ft)
Length	6.74 m	(22.1 ft)
Height	2.50 m	(8.2 ft)
Wing Area	11.9 m ²	(128.1 ft ²)
5. Engine/s: BRP-Rotax GmbH 912 iSc3 Sport
Certification Basis: CS-E amendment 3
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. 2002/1032 “Aircraft Flight Manual”
6. (Reserved)
7. Propeller/s: No.1 MT Propeller
MTV-21-A/180-51
Two blades, variable pitch constant speed.
EASA TCDS P.101 – MTV-21 series
propeller
Diameter: 1800 mm
8. Fluids:
 - 8.1 Fuel: Min. RON 95
EN 228 super
EN228 super 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:
- 9.3 Fuel: Total: 140 liters
Usable: 131.6 liters

 - 9.4 Oil: Maximum: 3.0 liters
Minimum: 2.5 liters
10. Air Speeds:
- Design Manoeuvring Speed V_A : 103 KIAS
 - Flap Extended Speed (Take off) V_{FE_TO} : 105 KIAS
 - Flap Extended Speed (Land) V_{FE_LAND} : 95 KIAS
 - Maximum structural cruising speed V_{NO} : 108 KIAS
 - Never exceed speed V_{NE} : 136 KIAS
11. (Reserved)
12. All weather Capability: Day/Night VFR
IFR
Flight into expected or actual icing conditions is prohibited.
13. Maximum Masses:
- Take-off 720 kg
 - Landing 720 kg
14. Centre of Gravity Range:
- Forward limit 1.753m behind Datum up to 550kg
1.780 m behind Datum at 720kg (MTOW)
 - Rear limit: 1.889m behind Datum
15. Datum: Propeller support flange
16. (Reserved)
18. Levelling Means: Seat support trusses
(see "PMentor Flight Manual" Sect.6
for the procedure)
19. Minimum Flight Crew: 1 (Pilot)
20. Maximum Passenger Seating Capacity: 1
21. (Reserved)



22. Baggage / Cargo Compartments

Max. allowable Load	30 kg
Location	2.26 m aft the datum

23. Wheels and Tyres

Nose Wheel Tyre Size	5.00-5
Main Wheel Tyre Size	5.00-5

C.IV. Operating and Service Instructions

- | | |
|---------------------------------|--|
| 1. Flight Manual: | Doc. No 2002/1032 "Aircraft Flight Manual"
Issue. 1 or latest issue |
| 2. Maintenance Manual: | Doc. No 2002/1033 "Aircraft Maintenance
Manual" Issue. 1 or latest issue |
| 3. Illustrated Parts Catalogue: | Doc. No 2002/1034 "Aircraft Illustrated Parts
Catalogue" Issue. 1 or latest issue |



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	Included VFR Night operation by means of MOD2002/050 " <i>P2002 VFR Night for Digital configuration</i> " (EASA approval N. 10033950) or MOD2002/084 " <i>P2002 VFR Night for Analogical configuration</i> " (EASA approval N. 10034907)
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).
Issue 11	Removed TCDS reference (A.I and B.I) Added TCDS for noise requirements (bullets 10 in A.II and B.II). Update A/C capability (bullets 12 in A.III and B.III) Removed typos changing 1728mm to 1782mm (A.III Page 6).
Issue 12	Added "P-Mentor" model (EASA approval No. 10078966)

