



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 13: 24 November 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: Normal Category
3. Manufacturer: Costruzioni Aeronautiche TECNAM S.p.A
Via Salvo D'Acquisto, 62
80042 Boscotrecase (Na)
ITALIA
4. JAA Certification Application Date: 29 May 2002
5. JAA validation Date (JAA recommendation): 27 May 2004
6. 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. 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)
5. Requirements elected to comply: None
6. EASA Special Conditions (see A.V. Note 3): A-03 Night VFR (see A.V. Note 2)
7. EASA Exemptions: None
8. EASA Equivalent Safety Findings: None
9. 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 "Type design definition" ed.1 rev.0 and later approved revisions
2. Description: Single engine, two-seat cantilever low wing airplane, aluminum and steel construction, fixed tricycle landing gear.
3. Equipment: Equipment list, AFM, Doc. 2002/28, 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 A.V. 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 | 94 KCAS |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 98 KIAS | 96 KCAS |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 100 KIAS | 97 KCAS |
| Flap Extended Speed V_{FE} : | 67 KIAS LND
97 KIAS T.O. | 69 KCAS LND
95 KCAS T.O. |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 68 KIAS LND
99 KIAS T.O. | 70 KCAS LND
97 KCAS T.O. |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 69 KIAS LND
101 KIAS T.O. | 71 KCAS LND
98 KCAS T.O. |
| Maximum structural cruising speed V_{NO} : | 110 KIAS | 106 KCAS |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 112 KIAS | 108 KCAS |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 114 KIAS | 110 KCAS |
| Never exceed speed V_{NE} : | 138 KIAS | 135 KCAS |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 141 KIAS | 1138 KCAS |
| Aeroplanes with modification n. MOD2002/29, or equivalent Service Bulletin n. SB010-CS, installed | 142 KIAS | 140KCAS |



11. (Reserved)
12. All weather Capability: Day-VFR
Night VFR is allowed (see A.V. 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.
- 3) Annex 1 contains public non-proprietary data in Special Conditions that are part of the applicable Certification Basis as recorded in TCDS EASA.A.006.



SECTION B: P2002-JR

B.I. General

1. Type/Model:
 - 1.1.Type P2002
 - 1.2.Model P2002-JR
2. Airworthiness Category: Normal Category
3. Manufacturer: Costruzioni Aeronautiche TECNAM S.p.A.
Via Salvo D'Acquisto, 62
80042 Boscotrecase (Na)
ITALIA
4. JAA Certification Application Date: 29 May 2002
5. JAA validation Date (JAA recommendation): 27 May 2004
6. 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. Airworthiness Requirements: EASA CS-VLA dated 14/11/2003
5. Requirements elected to comply: None
6. EASA Special Conditions (see B.V. Note 3): A-03 Night VFR (see B.V. Note 2)
7. EASA Exemptions: None
8. EASA Equivalent Safety Findings: None
9. EASA Environmental Standards: Refer to TCDSN EASA.A.006
Emission: N/A

B.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Doc. 2002/04 "Type design definition" ed.1 rev.0 and later approved revisions



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 (see B.V. 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.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
- 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: Lubricant 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	96 KCAS
Flap Extended Speed (Take off) V_{FE_TO} :	68 KIAS	70 KCAS
Flap Extended Speed (Land) V_{FE_LAND} :	68 KIAS	70 KCAS
Maximum structural cruising speed V_{NO}	113 KIAS	108 KCAS
Never exceed speed V_{NE} :	144 KIAS	138 KCAS
11. (Reserved)		
12. All weather Capability:	Day-VFR Night VFR is allowed (see B.V. 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.
- 3) Annex 1 contains public non-proprietary data in Special Conditions that are part of the applicable Certification Basis as recorded in TCDS EASA.A.006.



SECTION C: P-Mentor

C.I. General

1. Type/Model:
 - 1.1.Type P2002
 - 1.2.Model P-Mentor
2. Airworthiness Category: Normal Category
3. Manufacturer: Costruzioni Aeronautiche TECNAM S.p.A.
Via Salvo D'Acquisto, 62
80042 Boscotrecase (Na)
ITALIA
4. EASA Type Certification Application Date: 19 February 2020
5. EASA Type Certification Date: 06 April 2022

C.II. Certification Basis

1. Reference Date for determining the applicable requirements: 19 February 2020
2. Airworthiness Requirements: EASA CS-23 amdt.5, dated 29 March 2017
EASA CS-ACNS issue 2, dated 26 April 2019
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” and later approved revisions
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 :	102 KIAS	103 KCAS	
Flap Extended Speed (Take off) V_{FE_TO} :	106 KIAS	105 KCAS	
Flap Extended Speed (Land) V_{FE_LAND} :	96 KIAS	95 KCAS	
Maximum structural cruising speed V_{NO}	107 KIAS	108 KCAS	
Never exceed speed V_{NE} :	135 KIAS	136 KCAS	
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 2002/1234 “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	2 February 2007: Approval of P2002-JR variant, New standard for fuel type Maximum oil level, New indication for coolant
Issue 5	9 February 2010: Increase of MTOW for P2002-JF from 580kg to 600kg. Different V _{FE} for different flap configuration
Issue 6	22 February 2011: Included VFR Night operation by means of 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)
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	18 March 2022: 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	06 April 22: Added "P-Mentor" model (EASA approval No. 10078966)
Issue 13	24 November 22: Added CAS values in "Air Speeds" chapters, Updated TDD reference, amended IPC number (C.IV), added Note 3 for section A and B, added Annex 1, removed Typos, editorial changes.

