European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET

P2002

Manufacturer:
Costruzioni Aeronautiche TECNAM S.r.l.

Costruzioni Aeronautiche TECNAM S.r.l.
Via Tasso, 478
80127 Napoli
ITALIA

For variants:

P2002-JF
P2002-JR

Issue 4: 2 February 2007

List of effective Pages:

Page	1	2	3	4	5	6	7	8	9	10	11	12						
Issue	4	4	4	4	4	4	4	4	4	4	4	4						

CONTENT

SECTION A: P2002-JF

A.I. General

Data Sheet No.: EASA A.006 Issue: 04 Date: 2 February 2007

1. a) Type:	P2002-JF
2. Airworthiness Category:	CS-VLA Normal Category
3. Type Certificate Holder:	Costruzioni Aeronautiche TECNAM S.r.l. Via Tasso, 478 80127 Napoli ITALIA
4. Manufacturer:	Costruzioni Aeronautiche TECNAM S.r.l. Via Tasso, 478 80127 Napoli 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:	None

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 m²	(123.8 ft^2)

5. Engine/s: No.1 Bombardier-Rotax GmbH 912 S2
Certification Basis: FAR 33 amendment 15

Austrian Type Certificate No. TW 9-ACG dated 27 Nov. 1998

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

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 are detailed into The "Rotax Operators Manual" and in its related documents

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

Flap Extended Speed V_{FE}: 67 KIAS

Maximum structural cruising speed V_{NO} 110 KIAS

Never exceed speed V_{NE}: 138 KIAS

11. (Reserved)

12. All weather Capability: Day-VFR only
Flight into expected or actual icing conditions is prohibited

13. Maximum Masses:
Take-off 580 kg
Zero Fuel 580 kg
Landing 580 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
Airplane Maintenance Manual (AMM) (incl. Airworthiness Limitations)	Document No. 2002/30
Service Information and Service Bulletins	None

A.V. Notes

None

SECTION B: P2002-JR

B.I. General

Data Sheet No.: EASA A.006 Issue: 04 Date: 2 February 2007

1. a) Type:	P2002-JR
2. Airworthiness Category:	CS-VLA Normal Category
3. Type Certificate Holder:	Costruzioni Aeronautiche TECNAM S.r.l. Via Tasso, 478 80127 Napoli ITALIA
4. Manufacturer:	Costruzioni Aeronautiche TECNAM S.r.l. Via Tasso, 478 80127 Napoli ITALIA
5. EASA Certification Application Date:	16 Dec. 2004 for Major Changes n° MOD2002/11
6. EASA validation Date (EASA recommendation):	N.A.
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:	None
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 1, Chapter 10
Emission: N/A

B.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Doc. 2002/82 ed.1 rev.0 "P2002-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 m²	(123.8 ft^2)

5. Engine/s: No.1 Bombardier-Rotax GmbH 912 S3
Certification Basis: FAR 33 amendment 15

Austrian Type Certificate No. TW 9-ACG dated 27 Nov. 1998

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

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 are detailed into The "Rotax Operators Manual" and in its related documents

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 only
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

None

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