

# *State Aviation Administration of Ukraine*

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**SAAU**

## **TYPE CERTIFICATE DATA SHEET TL0071**

**P2002**

**Type Certificate Holder:**

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

**For models:**

**P2002-JF  
P2002-JR**

Issue 1, 22 October 2015

This Data Sheet which is integral part of Type Certificate TL0071 prescribes the conditions and limitations under which the product(s) for which the Type Certificate was granted meet(s) the airworthiness requirements and environmental protection requirements, stated in Certification basis mentioned in this Data Sheet.

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**SECTION A: P2002-JF****A.I. General**

1. a) Type: P2002  
c) Model: P2002-JF
2. Airworthiness Category: CS-VLA Normal Category
3. Manufacturer: Costruzioni Aeronautiche TECNAM S.r.l.  
Via Tasso, 478  
80127 Napoli  
ITALIA
4. SAAU Certification Application Date: 14 July 2009
5. SAAU Type Certification Date: 22 October 2015

**A.II. Certification Basis**

1. Certification Basis: As defined in SAAU CRI G-01, latest issue
2. 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)
3. SAAU Special Conditions: None
4. SAAU Exemptions: None
5. SAAU Equivalent Safety Findings: None
6. 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. 2002/004 ed.3, rev.0 "P2002-JF & P2002-JR Type design definition" dated March 10th, 2014
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 <sup>2</sup>	(123.8 ft <sup>2</sup> )
5. Engine/s:
 

Bombardier-Rotax GmbH 912 S2  
SAAU TCDS No. TD 0060

Aeroplanes with modification MOD2002/127 applied:  
Bombardier-Rotax GmbH 912 S3  
SAAU TCDS No. TD 0060
- 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. Propeller:
 

Hoffmann Propeller HO17GHM A 174 177C  
Two blades, fixed pitch, made of wood.  
SAAU TCDS No. TG0026  
Diameter: 1740 mm

Aeroplanes with modification n. MOD2002/127 applied:  
Hoffmann Propeller HOV352F1/C170FQ+8  
Two blades, variable pitch, made of wood.  
SAAU TCDS No. TG0027  
Diameter: 1780 mm
7. Fluids:
  - 7.1. Fuel:
 

Min. RON 95  
EN 228 Premium  
EN228 Premium plus  
AVGAS 100LL (see Rotax Operators Manual)
  - 7.2. Oil:
 

Lubricant specifications and grade are detailed in the  
"Rotax Operators Manual" and in its related documents
  - 7.3. Coolant:
 

Coolant specifications and detailed are detailed in the

“Rotax Operators Manual” and in its related documents  
Section 2

8. Fluid capacities:
- 8.1. Fuel: Total: 100 liters  
Usable: 99 liters
- 8.2. Oil: Total: 3.0 liters  
Minimum: 2.0 liters
9. Air Speeds:
- Design Manoeuvring Speed  $V_A$ : 96 KIAS  
Aeroplanes with modification.  
MOD2002/29, or equivalent Service  
Bulletin SB010-CS, installed: 98 KIAS
- Aeroplanes with modification  
MOD2002/87, or equivalent Service  
Bulletin SB0105-CS, installed: 100 KIAS
- Flap Extended Speed  $V_{FE}$ : 67 KIAS Full Flap  
97 KIAS Take Off
- Aeroplanes with modification  
MOD2002/29, or equivalent Service 68 KIAS Full Flap  
Bulletin SB010-CS, installed: 99 KIAS Take Off
- Aeroplanes with modification  
MOD2002/87, or equivalent Service 69 KIAS Full Flap  
Bulletin SB0105-CS, installed: 101 KIAS Take Off
- Maximum Structural Cruising Speed  $V_{NO}$ : 110 KIAS
- Aeroplanes with modification  
MOD2002/29, or equivalent Service 112 KIAS  
Bulletin SB010-CS, installed:
- Aeroplanes with modification 114 KIAS  
MOD2002/87, or equivalent Service  
Bulletin SB0105-CS, installed:
- Never Exceed Speed  $V_{NE}$ : 138 KIAS
- Aeroplanes with modification  
MOD2002/29, or equivalent Service 141 KIAS  
Bulletin SB010-CS, installed:
- Aeroplanes with modification 142 KIAS  
MOD2002/87, or equivalent Service  
Bulletin SB0105-CS, installed:
10. 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.

11.	Maximum Masses:	Take-off	580 kg
		Zero Fuel	580 kg
		Landing	580 kg
	Aeroplanes with modification MOD2002/29, or equivalent Service Bulletin SB010-CS, installed:	Take-off	600 kg
		Zero Fuel	600 kg
		Landing	600 kg
	Aeroplanes with modification MOD2002/87, or equivalent Service Bulletin SB0105-CS, installed:	Take-off	620 kg
		Zero Fuel	620 kg
		Landing	620 kg
12.	Centre of Gravity Range:	Forward limit	1.693 m behind Datum
		Rear limit:	1.728 m behind Datum
13.	Datum:	Propeller support flange without spacer	
14.	Levelling Means:	Seat support trusses (see "P2002-JF Flight Manual" Sect.6 for the procedure)	
15.	Minimum Flight Crew:	1 (Pilot)	
16.	Maximum Passenger Seating Capacity:	1	
17.	Baggage/Cargo Compartments:	Max. allowable Load	20 kg
		Location	2.26 m aft the datum
18.	Wheels and Tyres:	Nose Wheel Tyre Size	4.00-6
		Main Wheel Tyre Size	5.00-5

#### A.IV. Operating and Service Instructions

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|----|--|-----------------------------------|
| 1. | Airplane Flight Manual (AFM)   | Document No. 2002/28 Last edition |
| 2. | Supplement A16 to Aircraft Flight Manual for P2002-JF operation in Ukraine |                                   |
| 3. | Airplane Maintenance Manual (AMM)<br>(incl. Airworthiness Limitations)     | Document No. 2002/30 Last edition |
| 4. | Service Information and Service Bulletins                                  | None                              |

**A.V. Notes**

1. ELT (emergency locator transmitter) must be installed for commercial air transport operation only.

**SECTION B: P2002-JR****B.I. General**

1. a) Type: P2002  
c) Model: P2002-JR
2. Airworthiness Category: CS-VLA Normal Category
3. Manufacturer: Costruzioni Aeronautiche TECNAM S.r.l.  
Via Tasso, 478  
80127 Napoli  
ITALIA
4. SAAU Certification Application Date: 14 July 2009
5. SAAU Type Certification Date: 22 October 2015

**B.II. Certification Basis**

1. Certification Basis: As defined in SAAU CRI G-01, latest issue
2. 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)
3. SAAU Special Conditions: None
4. SAAU Exemptions: None
5. SAAU Equivalent Safety Findings: None
6. 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. 2002/004 ed.3, rev.0 "P2002-JF & P2002-JR Type design definition" dated March 10th, 2014
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 <sup>2</sup>	(123.8 ft <sup>2</sup> )
5. Engine/s: Bombardier-Rotax GmbH 912 S3  
SAAU TCDS No. TD 0060
- 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. Propeller: Hoffmann Propeller HOV352F1/C170FQ+8  
Two blades, variable pitch, made of wood.  
SAAU TCDS No. TG0027  
Diameter: 1780 mm
- 6.1. Settings: Low pitch setting : 13°
7. Fluids:
- 7.1. Fuel: Min. RON 95  
EN 228 Premium  
EN228 Premium plus  
AVGAS 100LL (see Rotax Operators Manual)
- 7.2. Oil: Lubricant specifications and grade are detailed in the  
"Rotax Operators Manual" and in its related documents
- 7.3. Coolant: Coolant specifications and detailed are detailed in the  
"Rotax Operators Manual" and in its related documents  
Section 2
8. Fluid capacities:
- 8.1. Fuel: Total: 100 liters  
Usable: 99 liters
- 8.2. Oil: Maximum: 3.0 liters

Minimum: 2.0 liters

9. 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 |
10. 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.
11. Maximum Masses:
- |           |        |
|-----------|--------|
| Take-off  | 600 kg |
| Zero Fuel | 600 kg |
| Landing   | 600 kg |
12. Centre of Gravity Range:
- |               |                      |
|---------------|----------------------|
| Forward limit | 1.746 m behind Datum |
| Rear limit:   | 1.801 m behind Datum |
13. Datum: Propeller support flange without spacer
14. Levelling Means: Seat support trusses (see "P2002-JR Flight Manual" Sect.6 for the procedure)
15. Minimum Flight Crew: 1 (Pilot)
16. Maximum Passenger Seating Capacity: 1
17. Baggage/Cargo Compartments:
- |                     |                       |
|---------------------|-----------------------|
| Max. allowable Load | 20 kg                 |
| Location            | 2.306 m aft the datum |
18. Wheels and Tyres:
- |                      |        |
|----------------------|--------|
| Nose Wheel Tyre Size | 4.00-5 |
| Main Wheel Tyre Size | 5.00-5 |

#### B.IV. Operating and Service Instructions

- |   |                      |
|---|----------------------|
| 1. Airplane Flight Manual (AFM)   | Document No. 2002/91 |
| 2. Supplement 7 to Aircraft Flight Manual for P2002-JR operation in Ukraine |                      |
| 3. Airplane Maintenance Manual (AMM)<br>(incl. Airworthiness Limitations)   | Document No. 2002/93 |
| 4. Service Information and Service Bulletins                                | None                 |

**B.V. Notes**

1. ELT (emergency locator transmitter) must be installed for commercial air transport operation only.

**Deputy Director of Directorate - Head of  
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