State Aviation Administration of Ukraine

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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B.I. General
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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
   subpart C with reference to ICAO Annex 16, 3rd
   Emission: N/A
A.III. Technical Characteristics and Operational Limitations


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 ft²)

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
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 Maneuvering 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 Bulletin SB010-CS, installed: 68 KIAS  Full Flap
       99 KIAS  Take Off
   Aeroplanes with modification
   MOD2002/87, or equivalent Service Bulletin SB0105-CS, installed: 69 KIAS  Full Flap
       101 KIAS Take Off
   Maximum Structural Cruising Speed $V_{NO}$: 110 KIAS
   Aeroplanes with modification
   MOD2002/29, or equivalent Service Bulletin SB010-CS, installed: 112 KIAS
   Aeroplanes with modification
   MOD2002/87, or equivalent Service Bulletin SB0105-CS, installed:
       114 KIAS
   Never Exceed Speed $V_{NE}$:
       138 KIAS
   Aeroplanes with modification
   MOD2002/29, or equivalent Service Bulletin SB010-CS, installed:
       141 KIAS
   Aeroplanes with modification
   MOD2002/87, or equivalent Service Bulletin SB0105-CS, installed:
       142 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: 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 Location: 20 kg, 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

2. Supplement A16 to Aircraft Flight Manual for P2002-JF operation in Ukraine
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


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


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 ft²)

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

2. Supplement 7 to Aircraft Flight Manual for P2002-JR operation in Ukraine
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 Aeronautical Products Type Certification Department

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