TYPE-CERTIFICATE
DATA SHEET

NO. EASA.A.598

for
Breezer B600

Type Certificate Holder
Breezer Aircraft GmbH & Co. KG

Sönke-Nissen-Koog 58
25821 Reußенköge
Germany

For models: B600
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Section A: Breezer B600

A.I General

1. Type/ Model/ Variant
   1.1 Type: Breezer B600
   1.2 Model: B600
   1.3 Variant: N/A

2. Airworthiness Category: Restricted

3. Manufacturer: Breezer Aircraft GmbH & Co. KG

4. EASA Type Certification Application Date: 10 September 2012

5. EASA Type Certification Date: 22 January 2016

A.II EASA Certification Basis

1. Reference Date for determining the applicable requirements: 10 September 2012

   For detailed Information see CRI-A01

3. Special Conditions: none

4. Exemptions: none

5. Elected to Comply: CS-23 acc. CC: 001-M-12-E-CC

6. Equivalent Safety Findings: none

7. Environmental Protection: ICAO Annex 16, Volume I (for more details see EASA TCDSN A.598)
A.III  Technical Characteristics and Operational Limitations

1. Type Design Definition: 001-M-12-MZ-TDD, Issue 1, Revision 2 or later approved revisions.

2. Description: Single engine, two seats side-by-side, all metal, low-wing, fixed tricycle landing gear with steerable nose wheel.

3. Equipment: For Minimum Equipment List refer to POH, Chapter II.11

4. Dimensions:
   - Wingspan: 8.74 m (344 in)
   - Length: 6.73 m (265 in)
   - Height: 2.14 m (84.3 in)
   - Wing area: 11.89 m² (127.97 sq ft)

5. Engine
   5.1 Model: ROTAX 912 ULS2
   5.2 Type Certificate: Certified as part of the aircraft
   5.3 Limitations:
      - Power: Max. take-off: 73.5 kW at 5800 rpm (max. 5 min)
      - Oil pressure: Min: 0.8 bar
        - Normal: 2.0 – 5.0 bar
        - Max: 7.0 bar cold engine starting
      - Oil temperature: Max. 130 °C
        - Min. 50 °C
      - Fuel pressure: Max. 0.4 bar
        - Min. 0.15 bar
      - Coolant temp.: Max. 120 °C
   5.4 Maximum Continuous Power: 69.0 kW at 5500 rpm

6. (Reserved)

7. Propeller
   Propeller 1
   7.1 Model: NEUFORM CR3-V-70-(IP)-R2-ECS
   7.2 Type Certificate: Certified as part of the aircraft
   7.3 Number of blades: 3 blades
   7.4 Diameter: 1750 mm
   7.5 Sense of Rotation: Clockwise in flight direction
   Propeller 2
   7.6 Model: NEUFORM CR3-75-(IP)-47-101,6
   7.7 Type Certificate: Certified as part of the aircraft
   7.8 Number of blades: 3 blades
   7.9 Diameter: 1750 mm
   7.10 Sense of Rotation: Clockwise in flight direction
8. Fluids

8.1 Fuel: Use a minimum ROZ 95 gas, MOGAS, AVGAS UL 91 or AVGAS 100 LL. Refer to ROTAX Operating Manual. The use of E10/E85 fuel is prohibited.

8.2 Oil: Engine oil as per ROTAX Operating Manual and SI-912-016: min. grade API “SG” or higher, chose viscosity according to climate conditions. Recommended oil brands listed in ROTAX SI-912-016.


9. Fluid capacities

9.1 Fuel:
- Max. capacity: 76 litres
- Max. usable: 74 litres

9.2 Oil:
- Min: approx. 2.5 litres
- Max: approx. 3.0 litres

9.3 Coolant system capacity: approx. 2.2 litres

10. Air Speeds:
- $V_{FE}$: 126 km/h IAS (68 KIAS)
- $V_{A}$: 179 km/h IAS (97 KIAS)
- $V_{NO}$: 197 km/h IAS (106 KIAS)
- $V_{NE}$: 252 km/h IAS (136 KIAS)

11. Maximum Certified Operating Altitude: 13.000 ft


13. Maximum Masses

13.1 Maximum Take-off Mass: 600 kg (1320 lbs)

13.2 Maximum Landing Mass: 600 kg (1320 lbs)

14. Centre of Gravity Range

- Empty weight:
  - Forward limit: 280 mm (20.6 % MAC)
  - Rear limit: 300 mm (22.0 % MAC)

- Flight:
  - Forward limit: 269 mm (19.8 % MAC)
  - Rear limit: 435 mm (32.0 % MAC)

15. Datum: Reference datum is the wing leading edge.

16. (Reserved)

17. Levelling Means: A Horizontal plain through the upper edge of the canopy guardrail

18. Minimum Flight Crew: 1 (Pilot)

19. Maximum Passenger Seating Capacity: 1

20. Baggage/ Cargo Compartments: The baggage compartment is located behind the seats.

- Max. baggage load: 15 kg (33 lbs)

21. Wheel and Tyres:
- Main wheel tyre size: 5.00-5
- Nose wheel tyre size: 4.00-4

22. (Reserved)
A.IV Operating and Service Instructions

   German: POH-B600-A-D(*), POH-B600-E-D(*)
   From S/N 042LSA or modified according to 001-A-19: POH-B600-E, POH-B600-D(*)


5. Illustrated parts Catalogue: N/A

   Maintenance Manual: MMH-912, MML-912

   Operating manual,
   NEUFORM-3-Blade-Variable Pitch
   Propeller R2 Series Operating Manual

(*) POH: or all later approved versions; (*) MM: or all later accepted versions

A.V Notes

N/A
Section B: Administrative Section

B.I  Acronyms & Abbreviations

CS-LSA  Certification Specification for Light Sport Aeroplanes  
EASA  European Aviation Safety Agency  
IAS  Indicated Airspeed  
KIAS  Indicated Airspeed [knots]  
LSA  Light Sport Aeroplane  
MAC  Mean Aerodynamic Chord  
TCDS  Type Certificate Data Sheet

B.II  Type Certificate Holder Record

Breezer Aircraft GmbH & Co. KG  
Sönke-Nissen-Koog 58  
25821 Reußenköge  
Germany

B.III  Change Record

<table>
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<th>TC Issue No. &amp; Date</th>
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<tbody>
<tr>
<td>01</td>
<td>22 January 2016</td>
<td>Initial Issue</td>
<td>Initial Issue, 22 January 2016</td>
</tr>
<tr>
<td>02</td>
<td>30 November 2021</td>
<td>Introduction of one POH for all LSA with previous sales designation Elegance and Attraction, merging of all product attributes</td>
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