



TYPE-CERTIFICATE DATA SHEET

NO. EASA.A.598

for
Breezer B600

Type Certificate Holder
Breezer Aircraft GmbH & Co. KG

Sönke-Nissen-Koog 58
25821 Reußenköge
Germany

For models: B600



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Contents

| | |
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| Section A: Breezer B600 | 4 |
| A.I General | 4 |
| A.II EASA Certification Basis | 4 |
| A.III Technical Characteristics and Operational Limitations | 5 |
| A.IV Operating and Service Instructions | 7 |
| A.V Notes | 7 |
| Section B: Administrative Section | 8 |
| B.I Acronyms & Abbreviations | 8 |
| B.II Type Certificate Holder Record | 8 |
| B.III Change Record | 8 |



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
2. Airworthiness Requirements: Certification Specifications for Light Sport Aeroplanes CS-LSA, Initial Issue, June 27, 2011
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 m ² | (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) |
| | Max. continuous: 69,0 kW at 5500 rpm |
| 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 |
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: 1700 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.
- 8.3 Coolant Conventional cooling fluid with a mixture ratio of 1:1 with water as per ROTAX Operating Manual and SI-912-016. Recommended cooling fluids listed in ROTAX SI-912-016.

9. Fluid capacities

- 9.1 Fuel: 76 litres (74 litres usable)
- 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
12. Approved Operations Capability: Day-VFR
13. Maximum Masses: Take-off: 600 kg (1320 lbs)
Landing: 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. Wheels and Tyres: Main wheel tyre size: 5.00-5
Nose wheel tyre size: 4.00-4
22. (Reserved)



A.IV Operating and Service Instructions

1. Flight Manual: English: POH-B600-A-E, POH-B600-E-E
German: POH-B600-A-D, POH-B600-E-D
2. Maintenance Manual: MM-B600-E
3. Structural Repair Manual: Refer to Maintenance Manual
4. Weight and Balance Manual: Refer to Flight Manual
5. Illustrated Parts Catalogue: N/A
6. Operating Manual and Maintenance Manual for Engine: Operating Manual: OM-912
Maintenance Manual: MMH-912,
MML-912
7. Operating Manual and Maintenance Manual for Propeller: NEUFORM-Adjustable Pitch Propeller
Operating manual,
NEUFORM-3-Blade-Variable Pitch
Propeller R2 Series Operating Manual

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

| Issue | Date | Changes | TC Issue No. & Date |
|--------------|-----------------|----------------|--------------------------------|
| Issue 01 | 22 January 2016 | Initial Issue | Initial Issue, 22 January 2016 |

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