



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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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)
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.
- 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:
- | | |
|---------------|-----------|
| 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

12. Approved Operations Capability: VFR Day

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

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

(*) 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

Issue	Date	Changes	TC Issue No. & Date
01	22 January 2016	Initial Issue	Initial Issue, 22 January 2016
02	30 November 2021	Introduction of one POH for all LSA with previous sales designation Elegance and Attraction, merging of all product attributes	-

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