TYPE-CERTIFICATE

DATA SHEET

NO. EASA.IM.A.280

for
Beechcraft 55, 56, 58, 95

Type Certificate Holder

Textron Aviation Inc.

One Cessna Blvd
Wichita, KS 67215
USA

For Model: G58

CONTENT

CHANGE RECORD

Issue 1 Initial issue G58
Issue 2 Company name change, added OSD and propeller information
Issue 3 Typo and layout on cover page corrected

SECTION 1: GENERAL Model G58 Baron Type Design

Data Sheet No.:-EASA.IM.A.280		Issue 2
a) Model:		58
b) Variant:		G58
1.	Airworthiness Category:	FAR-23 and CAR 3 Normal Category
2.	Type Certificate Holder:	Textron Aviation Inc. One Cessna Blvd Wichita, KS 67215 USA
3.	Manufacturer	Textron Aviation Inc. One Cessna Blvd Wichita, KS 67215 USA
4.	EASA Certificate Application Date:	16 January 2007 (G58)
5.	FAA Type Certificate Date:	2 December 2005 (G58)
6.	EASA Type Certificate Issue Date:	19 May 2009 (G58)

II. Certification Basis

1.	Reference Date for determining Applicable requirements	Model G58 Application to EASA: 16 January 2007
2.	(Reserved)	
3.	(Reserved)	
4.	Certification Basis	As defined in FAA TCDS 3A16. CAR 3/FAR 23 as defined in FAA TCDS 3A16, and JAR-23, Change 1, plus Special Conditions as defined in Garmin G-1000 EASA CRI A-01, Issue 3, dated 19 May 2009.
5.	Special Conditions:	Special Conditions as defined in Garmin G-1000 EASA CRI A-01, Issue 3, dated 19 May 2009.
6.	Exemptions:	None
7.	Equivalent Level of Safety Findings:	As defined in FAA TCDS 3A16.

8.	EASA Environmental Standards:	ICAO Annex 16, Volume 1. See EASA Type Certificate Data Sheet Noise reference TCDSN IM.A.280.

III. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Aircraft General Assembly, Model G58, Baron, Drawing No. 58-000002, latest FAA revision.
2.	Description:	Aircraft is an all-metal, low-wing, twin-engine monoplane with full retractable tricycle landing gear and a conventional horizontal and vertical stabilizer.
3.	Equipment:	Equipment list according AFM, P/N 58-590000-67A4, or later approved revision.
4.	Dimensions:	Span 11.53 m (37 ft. 10 in) Length 9.09 m (29 ft. 10 in) Height 2.97 m (9 ft. 9 in) Wing Area 18.5 sq. meters (199.2 sq. ft.)
5.	Engines	Two (2) Teledyne Continental Motors, Inc. (Mobile, Alabama) Model IO-550-C engines. Engine Limits: For all operations 2700 rpm (300 hp.)
6.	Propellers:	Propeller (a) 2 Hartzell PHC-J3YF-2UF/FC7663(K)-2R (b) 2 Spinner assembly C-3567-1(P) or C3567-4(P) (with A/C) Feather 82.0 ± 0.5 degrees Start lock: 18.5 ± 1.5 degrees Low: 13.0 ± 0.2 degrees Measured at 30 inch station Maximum Diameter: 1.93 m (76 inches) Minimum Diameter: 1.88 m (74 inches) Or Two McCauley 3AF32C512-(X)/(X)-82NEA-5 Maximum Diameter: 77 inches Minimum Diameter: 76.5 inches No further tolerance permitted Pitch Settings at 30 inch station Feather 82.4 ± 0.5 degrees Low: 15.2 ± 0.2 degrees

7. (Reserved)

8. Fluids

8.1. Fuel: 100/100LL minimum grade aviation gasoline.

Oil: Use MIL-L-22851 Ashless Dispersant Oils meeting the requirements of the latest revision of Teledyne Continental Motors Corporation Specification MHS-24B or current applicable Teledyne Continental Service Bulletin.

Approved Engine Oils:
Refer to Section 8, HANDLING, SERVICING AND MAINTENANCE for a list of approved oils.

8.2. Coolant: N/A

9. Fuel Capacities:

9.1. Fuel

Tank	Capacity Gal (US).	Usable Gal (US).	ARM
Baffled or reservoir inter-connected tank system, each wing	86 each. (325.6 litres)	83 each. (314.2 litres)	2.11 m +83 inches (With full fuel only)
(or) Baffled or reservoir inter-connected tank system with wet wing tip each wing	100 each. (378.5 litres)	97 each. (367.2 litres)	2.13 m +84 inches (With full fuel only)

See Note 1 for data on unusable fuel.

9.2. Oil: 11.36 lit (+1.1 m) each engine (includes 2.5 kg unusable) total capacity 22.7 lit +12 qt.

(+43 inches) each engine (includes 5.5 lb. unusable), total capacity 24 qt.

See Note 1 for data on system oil.

10. Airplane Limit Speeds (KCAS)

Maneuvering	156 knots
Maximum structural cruising	195 knots
Never exceed	223 knots

Flaps extended (15°) (30°)	152 knots 122 knots
Landing gear extended	152 knots

See Pilots Operating Handbook and FAA Approved Airplane Flight Manual, P/N 58-590000-67 for airplane limit speeds under Section II, Limitations.

11. Maximum Operating Altitude: 6,300 meters (20,688 ft.) pressure altitude

12. Operational Capacity: VFR Day and Night
IFR Day and Night
Icing Conditions **See Note 19.**

13. Maximum Certified Weights

Ramp	Takeoff	Landing
2506 kg 5524 lb	2495 kg 5500 lb	2449 kg 5400 lb

See Pilots Operating Handbook, and FAA Approved Airplane Flight Manual, P/N 58-590000-67 for weight limits under Section II, Limitations.

14. Centre of Gravity Range: See Pilots Operating Handbook and FAA Approved Airplane Flight Manual, P/N 58-590000-67 for airplane centre of gravity under Section II, Limitations.

15. Datum: The reference datum is located 211.1 centimetres (83.1 inches) forward of centre line through forward jack points.

16. Leveling means: Two external screws in bulkhead aft of baggage compartment on left side. (Use plumb bob.)

17. Minimum Flight Crew: 1 Pilot

18. Max. Passenger Seating Capacity: Five (5)

19. Baggage/Cargo Compartment (Structural Limit):

Forward compartment (above floorboard)
136.1 kg (300 lb.) (+15 in)

Rear compartment (aft of Sta. 170)
181.4 kg (400 lb.) (+150 in)

		Aft baggage compartment 54.4 kg (120 lb.) (+180 in) With third and fourth seats removed for cargo, maximum baggage is as follows: Aft of spar cover to Sta. 170.00 181 kg (400 lb). (+145 in)
20.	Wheels and Tyres:	Main Landing Gear (MLG) 6.50 x 8, 8 ply rated Nose Landing Gear (NLG) 5.00 x 5, 6 ply rated
21.	Serial Numbers eligible:	TH-2257 and after. **See Notes 17 and 18.** **Serials TH-2125 through TH-2256 are not eligible until HBC develops an EASA approved kit to install the G1000 Connector Shield Ground Termination.**

IV. Operation and Service Instructions

Airplane Flight Manual (AFM)	Model G58 Baron POH/AFM, P/N 58-590000-67A4, or later approved revisions.
Airplane Maintenance Manual	Baron 58 Interactive Maintenance Library, P/N IML-36/58 (Includes Wiring Diagram Manual, Illustrated Parts Catalogue, Maintenance Manual, Component Maintenance Manual, Structural Repair Manual, Printed Circuit Board Manual

V. Operational Suitability Data (OSD)

The Operational Suitability Data elements listed below are approved by the European Aviation Safety Agency under the EASA Type Certificate as per Commission Regulation (EU) 748/2012 as amended by Commission Regulation (EU) No 69/2014.

1. Master Minimum Equipment List

a) G58MMELEU-00 EASA Master Minimum Equipment List, revision original or later approved revision.
b) Required for entry into service by EU operator.

VI. Notes

NOTE 1. Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary must be provided for each aircraft at the time of original certification.

The certificated empty weight and corresponding center of gravity locations must include system (undrainable) oil (not included in oil capacity) and unusable fuel (not included in usable fuel) as follows:

Unusable Fuel	Weight	Arm
Standard fuel system	16.3 kg (36 lb)	+79 in
Unusable Oil	**Weight**	**Arm**
	4.1 kg (9 lb)	+42 in

NOTE 2. The following placards and/or markings must be displayed in locations indicated:

Model G58 (S/N TH-2173 and on)

In full view of the pilot:
"NO SMOKING"

NOTE 3. Left Intentionally Blank.

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NOTE 17. Company name change effective 4/15/96. The following serial numbers are manufactured under the name of Raytheon Aircraft Company: G58: TH-2125 and after.

NOTE 18. Company name change effective 3/26/2007. The following serial numbers are manufactured under the name of Hawker Beechcraft Corporation G58: TH-2178 and after.

NOTE 19. The Baron Model G58 is eligible for flight into known icing conditions when the required equipment is installed and operational.

NOTE 20. Company name change effective 4/12/2013. The following serial numbers are manufactured under the name of Beechcraft Corporation: G58: TH-2369 through TH-2442.

NOTE 21. Company name change effective 10/12/16. The following serial numbers are manufactured under the name of Textron Aviation Inc. G58: TH-2470 and after.

Contact Textron Aviation Inc., as necessary, to obtain availability information concerning the drawings and kits which are referenced by this publication.

