

# Beechcraft® Baron®

(Serials TH-773 thru TH-1395, except TH-1389)

**58**  
And  
**58A\***

*\* Special Reduced Gross Weight Configuration*

## **Pilot's Operating Handbook and FAA Approved Airplane Flight Manual**

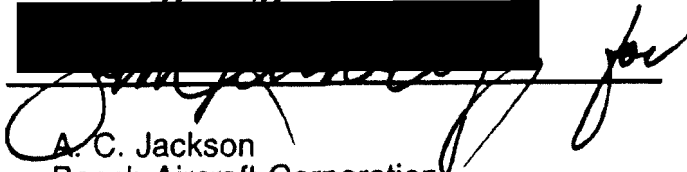
FAA Approved in the Normal Category based on CAR 3. This document must be carried in the airplane at all times and be kept within reach of the pilot during all flight operations.

This handbook includes the material required to be furnished to the pilot by CAR 3.

Airplane Serial Number: \_\_\_\_\_

Airplane Registration Number:           N          

FAA Approved: \_\_\_\_\_

  
A. C. Jackson  
Beech Aircraft Corporation  
DOA CE-2

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**BEECHCRAFT Baron 58**  
**Serial TH 773 and After**

**Section II**  
**Limitations**

The limitations included in this section have been approved by the Federal Aviation Administration and must be observed in the operation of this airplane.

**AIRSPEED LIMITATIONS**

<b>SPEED</b>	<b>CAS KNOTS</b>	<b>IAS KNOTS</b>	<b>REMARKS</b>
Never Exceed $V_{NE}$	223	223	Do not exceed this speed in any operation
Maximum Structural Cruising $V_{NO}$ or $V_C$	195	195	Do not exceed this speed except in smooth air and then only with caution
Maneuvering $V_A$	156	156	Do not make full or abrupt control movements above this speed
Maximum Flap Extension/Extended $V_{FE}$ (Approach 15°) (Full Down 30°)	152 122	152 122	Do not extend flaps or operate with flaps extended above this speed
Maximum Landing Gear Operating/Extended $V_{LO}$ and $V_{LE}$	152	152	Do not extend, retract or operate with gear extended above this speed
Air Minimum Control Speed $V_{MCA}$	81	81	Minimum speed for directional controllability after sudden loss of engine
Maximum With Utility Doors Removed	174	174	Utility door removal kit must be installed

**Section II**  
**Limitations**

**BEECHCRAFT Baron 58**  
**Serial TH 773 and After**

**\*AIRSPEED INDICATOR MARKINGS**

<b>MARKING</b>	<b>CAS KNOTS</b>	<b>IAS KNOTS</b>	<b>SIGNIFICANCE</b>
White Arc	72-122	74-122	Full Flap Operating Range
White Triangle**	152	152	Maximum Flap Approach Position 15°
Blue Radial	100	100	Single-Engine Best Rate-of-Climb Speed
Red Radial	81	81	Minimum Single-Engine Control ( $V_{MCA}$ )
Green Arc	83-195	84-195	Normal Operating Range
Yellow Arc	195-223	195-223	Operate with caution, only in smooth air
Red Radial	223	223	Maximum speed for ALL operations

\*The Airspeed Indicator is marked in IAS values

\*\*Series TH-1080 and After

## SECTION VII

### SYSTEMS DESCRIPTION

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## **AIRFRAME**

The BEECHCRAFT-BARON 58 is a four to six place all-metal, low-wing, twin-engine airplane with retractable tricycle landing gear, and a conventional horizontal and vertical stabilizer.

## **FLIGHT CONTROLS**

### **CONTROL SURFACES**

Control surfaces are bearing supported and operated through push-pull rods and conventional cable systems terminating in bellcranks.

### **CONTROL COLUMN**

The throw-over type control column for elevator and aileron control can be placed in front of either front seat. Pull the T-handle latch at the back of the control arm and position the control wheel as desired. Check for full freedom of movement after repositioning the control.

#### **NOTE**

If a reduced power throttle position exists when throwing over the control column, it will be necessary to momentarily move the throttle levers forward for passage of the control column.

The optional dual control column is required for flight instruction.

### **RUDDER PEDALS**

To adjust the rudder pedals, press the spring-loaded lever on the side of each pedal arm and move the pedal to its forward or aft position. The adjustment lever can also be used to place the right set of rudder pedals against the floor, (when the copilot brakes are not installed) when not in use.