

**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

A30CE Revision 8 Textron Aviation 77 November 27, 2017
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**TYPE CERTIFICATE DATA SHEET A30CE**

This data sheet which is a part of Type Certificate No. A30CE prescribes conditions and limitations under which the product for which the Type Certificate was issued meets the airworthiness requirements of the Civil Air Regulations.

Type Certificate Holder                      Textron Aviation Inc.  
One Cessna Boulevard  
Wichita, KS 67215

Type Certificate Holder Record:        Beech Aircraft Corporation transferred to  
Raytheon Aircraft Company on April 15, 1996

Raytheon Aircraft Company transferred to  
Hawker Beechcraft Corporation on March 26, 2007

Hawker Beechcraft Corporation transferred to  
Beechcraft Corporation on April 12, 2013

Beechcraft Corporation transferred to  
Textron Aviation Inc. on October 12, 2016

**I. Model 77, Skipper, 2 PCLM (Utility Category), Approved March 19, 1979**

Engine    Lycoming O-235-L2C

Fuel    100 (green) minimum grade aviation fuel or 100 low lead (blue)

Oil    First 50 hours MIL-L-6082C, thereafter MIL-L-22851

Engine limits                                For all operations, 2700 rpm (115 hp.)

Propeller and  
propeller limits                            (a) Sensenich 72CKS12-0-52 propeller  
Static rpm at maximum permissible throttle setting:  
not over 2375, not under 2275  
Diameter: 72 in., nominal. Minimum allowed for repair 70 in., no  
further reduction permitted  
(b) Beech spinner assembly 108-910033-1

Airspeed limits  
(IAS)    Never exceed                                143 knots (165 m.p.h.)  
Maximum structural cruising            119 knots (137 m.p.h.)  
Maneuvering                                109 knots (125 m.p.h.)  
Flaps extended (30°)                    90 knots (104 m.p.h.)

C.G. range                                    Utility Category  
(+85.8) to (+88.9) at 1675 lb.  
(+85.0) to (+88.9) at 1470 lb. and less  
Straight line variation between points given

Empty weight C.G. range                None

Page No.	1	2	3
Rev No.	8	1	8

**I. Model 77** (cont'd)

Maximum weight	Ramp	1680 lb.		
	Takeoff	1675 lb.		
	Landing	1675 lb.		
No. of seats	2 maximum (at +89 forward to +97 aft position)			
Maximum baggage	120 lb. (+119.0)			
Fuel capacity				
	<u>Tank</u>	<u>Total Capacity Gal.</u>	<u>Total Usable Gal.</u>	<u>Arm</u>
	L&R main (15 gal. ea.)	30	29	+81.5
	See NOTE 1 for data on unusable fuel.			
Oil capacity	<u>Capacity Qt.</u>	<u>Arm</u>		
	6	+37.8		
	See NOTE 1 for data on undrainable oil.			
Control Surface Movements	Wing flaps		Down $30^{\circ} \pm 1^{\circ}$	
	Aileron	Up $27^{\circ} \pm 1^{\circ}$	Down $14^{\circ} \pm 1^{\circ}$	
	Rudder	Right $25^{\circ} \pm 1^{\circ}$	Left $25^{\circ} \pm 1^{\circ}$	
	Elevator	Up $20^{\circ} \pm 1^{\circ}$	Down $15^{\circ} \pm 1^{\circ}$	
	Elevator tab	Up $5^{\circ} \pm \frac{1}{2}$	Down $15^{\circ} \pm \frac{1}{2}$	
	with elevator neutral)			
Serial Nos. eligible	WA-3 and on			
Datum	74.55 in. forward of wing leading edge (constant chord section)			
Leveling means	Baggage compartment floor			
Certification basis	Part 23 of the Federal Aviation Regulations (FAR) effective February 1, 1965, as amended by 23-1 through 23-16, and FAR 36, as amended by 36-1 through 36-10. Equivalent safety findings: FAR 23.621, 23.1545(a), and 23.1583(a).			
	Application for Type Certificate dated October 18, 1976.			
	Type Certificate No. A30CE issued March 19, 1979, obtained by the manufacturer under delegation option procedures.			
Production basis	Production Certificate No. 8. Delegation Option Manufacturer No. CE- 2 authorized to issue airworthiness certificates under delegation option provisions of Part 21 of the Federal Aviation Regulations.			
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.			

**Data Pertinent to All Models**

- NOTE 1. Current weight and balance data, loading information, and a list of equipment included in basic empty weight must be provided for each aircraft at the time of original certification.
- a. Basic empty weight includes unusable fuel of 7.7 lb. at +85.3, with 1.7 lb. at +84.9 being undrainable.
  - b. Basic empty weight includes engine oil of 12.4 lb. at +38.5, with 0.8 lb. being undrainable.
- NOTE 2. All placards required in the Pilot's Operating Handbook (POH) and FAA Approved Airplane Flight Manual (AFM) must be installed in the appropriate locations.
- NOTE 3. Mandatory retirement times for all structural components are contained in the POH and FAA Approved AFM (P/N 108-590000-5) Limitations Section. These limitations may not be changed without FAA Approval.

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