

A29CE
Revision 9
Textron Aviation
76
November 27, 2017

This data sheet which is part of Type Certificate No. A29CE prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

I. Model 76, Dutchess, 4 PCLM (Normal Category), Approved January 24, 1978

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I. Model 76 (cont'd)

C.G. Range (Landing Gear Extended)	<u>Normal Category</u> (+110.6) to (+117.5) at 3900 lb. (+106.6) to (+117.5) at 3250 lb. and less Straight line variation between points given Landing gear retraction moment (-1177 in.-lb.)				
Empty Wt. C.G. Range	None				
Leveling Means	Baggage compartment floor				
Maximum Weight	Ramp	3,916 lb.			
	Takeoff	3,900 lb.			
	Landing	3,900 lb.			
	Zero fuel	3,500 lb.			
No. of Seats	4 maximum (2 at +105 forward or +112 aft position, 2 at +142 standard or +144 optional)				
Maximum Baggage	200 lb. (+167.0)				
Fuel Capacity	<u>Tank</u>	<u>Capacity Gal.</u>	<u>Usable Gal.</u>	<u>Arm</u>	
	L&R main	103	100	+117.0	
	See NOTE 1 for data on unusable fuel.				
Oil Capacity	20 qt. (+75.4) See NOTE 1 for undrainable oil				
Control Surface Movements	Wing flaps			Down	35° ±1°
		Up	20° ± 1°	Down	15° ±1°
	Rudder	Right	30° ± 1°	Left	30° ±1°
	Elevator	Up	20° +1°, -0°	Down	15° +1°, -0°
	Rudder tab	Right	20° ± 1°	Left	20° ± 1°
	Elevator tab	Up	4° ± 1/2°	Down	20° ± 1/2°
	(with elevator neutral)				
Serial Nos. Eligible	ME-2 and on				
Datum	103 in. forward of wing leading edge (constant chord section)				
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 effective June 1974, Amendment 36-1 through 36-10. Equivalent safety findings: FAR 23.621 (S/N ME-2 through ME-437 only), 23.1545, 23.1583(a). One-engine inoperative stall characteristics tests identified in FAA letter to Beech dated May 27, 1976. Application for Type Certificate dated October 24, 1975. Type Certificate A29CE issued January 24, 1978, 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.				

I. Model 76 (cont'd)

Equipment

The basic required equipment as prescribed in applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, the following item of equipment is required:

1. Pilot's Operating Handbook (POH) and FAA Approved Airplane Flight Manual (AFM) (P/N 105-590000-5) dated January 1978, revised March 1979, or later.

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 airplane at the time of original certification.

(a) Basic empty weight includes unusable fuel of 20 lb. at +123.2, with 1.6 lb. at +124.8 being undrainable.

(b) Basic empty weight includes engine oil of 37 lb. at +75.4, with 7.3 lb. being undrainable.

NOTE 2. All placards required in the POH and FAA Approved AFM must be installed in the appropriate locations.

NOTE 3. Mandatory retirement times for all structural components are contained in the AFM (P/N 105-590000-5) Limitations Section. These limitations may not be changed without FAA Approval.

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