

FEDERAL AVIATION AGENCY

A19WE
Revision 1
Bushmaster Acft. Corp.
Bushmaster 2000

July 15, 1971

TYPE CERTIFICATE DATA SHEET NO. A19WE

This data sheet which is a part of Type Certificate No. A19WE 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 Bushmaster Aircraft Corporation
2701 Wardlow Road
Long Beach, California

I - Model Bushmaster 2000 (Normal Category) Approved October 8, 1968.

Engines	3 Pratt & Whitney R-985-AN-14B or AN1				
Fuel	80/87 Octane (Min. Grade Aviation Gasoline)				
Engine limits		<u>HP</u>	<u>RPM</u>	<u>In.Hg.</u>	Press
	Takeoff (2 minutes)	450	2300	36.5	SL
	Max Continuous	400	2200	33.5	5000'
Propeller and propeller limits	3 Hartzell HC-B3R30 hubs with 10152-5 1/2 blades				
	Pitch settings at 30 inch station				
	High Pitch (Feather)	$88^{\circ} \pm 1/2^{\circ}$			
	Low Pitch Stop	$17^{\circ} \pm 1/2^{\circ}$			
	Diameter 95 1/2 inches				
	No further reduction permitted				
Airspeed limits	Vne - Never exceed	145 MPH (126 knots) (CAS)			
	Vno - Normal operating	129 MPH (112 knots) (CAS)			
	Vp - Maneuvering	112 MPH (97 knots) (CAS)			
	Vmc - Minimum control	63 MPH (55 knots) (CAS)			
C.G. range	(+212.47) to +224.09)				
Empty weight C.G. range	None				
Datum	100" Fwd. of center firewall				
MAC	133.55"				
Leveling means	Lower sill of sidewindows				

Maximum weight	12,500 lb.																		
Minimum crew	One (+131)																		
Passengers	One (+131)																		
Maximum baggage	3,380 lbs.																		
Fuel capacity	366 gallons 360 gallons usable, 120 gal. in each of three tanks																		
Oil capacity	8 gal. (center engine) 9 gal. ea. (outboard engines)																		
Control surface movements	(Tolerance = $\pm 1^\circ$) <table><tr><td>Elevator</td><td>17° Up</td><td>17° Down</td></tr><tr><td>Horiz. Stab.</td><td>4° Up</td><td>4° Down</td></tr><tr><td>Ailerons</td><td>15° Up</td><td>15° Down</td></tr><tr><td>Aileron Trim Tab</td><td>9° Up</td><td>9° Down</td></tr><tr><td>Rudder</td><td>18° Right</td><td>18° Left</td></tr><tr><td>Rudder Trim Tab</td><td>13° Right</td><td>13° Left</td></tr></table>	Elevator	17° Up	17° Down	Horiz. Stab.	4° Up	4° Down	Ailerons	15° Up	15° Down	Aileron Trim Tab	9° Up	9° Down	Rudder	18° Right	18° Left	Rudder Trim Tab	13° Right	13° Left
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Serial Nos. eligible	No. 1 and subsequent																		
Certification basis	CAR 3 dated May 15, 1956 plus Amendments 3-1 through 3-8 with exemptions No's 710 and 710A granting relief from the requirements of FAR 21.17(b)(2) Application for Type Certificate dated 6-16-64																		
Production basis	None. Prior to original certification of each aircraft, an FAA representative must perform a detailed inspection for workmanship, materials, and conformity with the approved technical data, and a check of the flight characteristics.																		
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.																		
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.																		
NOTE 2.	A placard shall be provided in clear view of the pilot stating: "This airplane must be operated as a Normal Category Airplane in compliance with the operating limitations stated in the form of placards, markings and manuals."																		

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