

FEDERAL AVIATION AGENCY

A5WE
NORTH AMERICAN
AJ-2

September 1, 1964

TYPE CERTIFICATE DATA SHEET NO. A5WE

This data sheet which is a part of type certificate No. A5WE 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 James F. Conroy
Long Beach, California

I - Model AJ-2 (Restricted Category), Approved July 31, 1964

Engines	2 Pratt and Whitney Military R-2800-44 Reduction gearing 0.35:1			
Fuel	115/145 Minimum grade aviation gasoline			
Engine limits		<u>HP</u>	<u>RPM</u>	<u>MP</u> <u>In.Hg.</u> <u>Alt.</u>
	Maximum continuous	1800	2600	47.5 S.L.
	Takeoff (5 minutes)	2300	2800	61.0 S.L.
	For altitude limits refer to Page 170 Appendix I of AN01-60AAB-1			
Propeller	2 Hamilton Standard 24260 hubs with 2F17M3-24AC or A2F17Q3-24AC blades Diameter 15'3" Pitch setting at 72" Station: High 82°, low 18° Placard required: "Avoid engine operation between 1400 and 1800 rpm during ground operations and 1400 and 1600 rpm during flight operations"			
Airspeed limits	Vne (Never exceed)	300 knots (345 m.p.h.)		
	Vle (Landing gear extended)	175 knots (202 m.p.h.)		
C.G. range	23% M.A.C. (gr. down) (+287.23) to 26% M.A.C. (+291.73)			
Datum	Nose (Fuselage Station 0)			
M.A.C.	149.20 in. L.E. M.A.C. 253.03 in. aft of nose.			
Maximum weight	Takeoff	54,000 lb.		
	Landing	45,000 lb.		
Minimum crew	2, Pilot and Flight Engineer-Mechanic			
No. of seats	Pilot and Flight Engineer-Mechanic 2 at Sta. (+104) Radio Operator 1 at Sta. (+187)			
Fuel capacity	Wing tanks,	2 at 515 gal. (+297)		
	Fuselage cell,	201 gal. (+224)		
	Tip tanks,	2 at 600 gal. (+304)		
Oil capacity	2 at 28.5 gal. (+237)			

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Other operating limitations	Military Flight Handbook AN01-60AAB-1 and FAA Approved Airplane Flight Manual Supplement dated July 31, 1964.			
Control surface movements	Wing flaps	inboard		Down 21°
		outboard		Down 33-1/2°
	Aileron		Up 16°	Down 13°
	Aileron tab		Up 15°	Down 8°
	Elevator		Up 28°	Down 5°
	Elevator trim tab		Up 15°	
	Elevator spring tab		Up 14°	
	Elevator gear tab		Up 3°	Down 17°
	Rudder	Right	43°	Left 43°
	Rudder trim tab	Right	20°	Left 20°
Serial Nos. eligible	USN Serial Numbers 184-014			
Certification basis	CAR 8 as amended to March, 1959 Type Certificate No. A5WE issued for the special purpose of fire fighting. Date of Application for Type Certificate December 11, 1963			
Production basis	None. No aircraft may be produced under this approval.			
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, equipment necessary for the particular special purpose of fire fighting must be installed.			
NOTE 1.	Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter except in the case of operators having an approved weight control system.			
NOTE 2.	Prior to civil certification, the aircraft must be modified in accordance with Conroy Drawings 200, sheets 1 through 7, 201 sheets 1 and 2, and 203.			

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