DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A9PC
Revision 4
PACIFIC AEROSPACE LIMITED
FU24-954
FU24A-954
September 8, 2016

TYPE CERTIFICATE DATA SHEET NO. A9PC

This data sheet which is a part of Type Certificate No. A9PC prescribes conditions and limitations under which the product for which the Type Certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder — Pacific Aerospace Limited
Hamilton Airport
Private Bag
3027 Hamilton, New Zealand

Type Certificate Holder Record — Pacific Aerospace Corporation, Ltd.
Airport Road, Hamilton Airport
Hamilton, New Zealand

transferred TC A9PC to
Pacific Aerospace Limited
on December 12, 2006.

(1) This TC was surrendered on August 10, 2016. None of these aircraft are on the U.S. Registry.

(2) No standard or restricted airworthiness certificates may be issued for this type.

(3) No aircraft are eligible for import. See "serial numbers eligible."

I - Models FU24-954 and FU24A-954 (Normal and Restricted Categories), Approved September 20, 1979
(FU24A-954 same as FU24-954 except incorporates dual pilot controls)

Engine	Lycoming IO-720-A1A or A1B	
Fuel	100/130 minimum grade aviation gasoline	
Engine limits	For all operations: 2650 r.p.m. full throttle (400 hp.)	
Propeller limits	Hartzell HC-C3YR-1F/F8475 or HC-C3YR-1RF/F8475R Diameter 86 in. max. 84 in. min. Governor model Hartzell F4-1D	
Airspeed limits	Vne (Never exceed)	143 knots (CAS) (165 mph)
	Vno (Max. structural cruising)	114 knots (CAS) (131 mph)
	Vp (Maneuvering)	114 knots (CAS) (131 mph)
	Vfe (Flaps extended)	86 knots (CAS) (99 mph)

NOTE: Aircraft limited to 114 knots (CAS) maximum airspeed for Restricted Category operations. See AFM Supplement(s) for climb performance.

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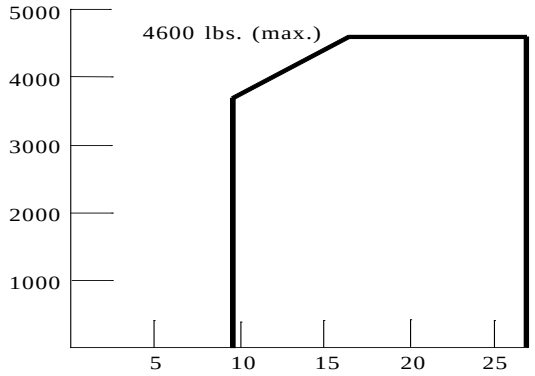
C.G. range

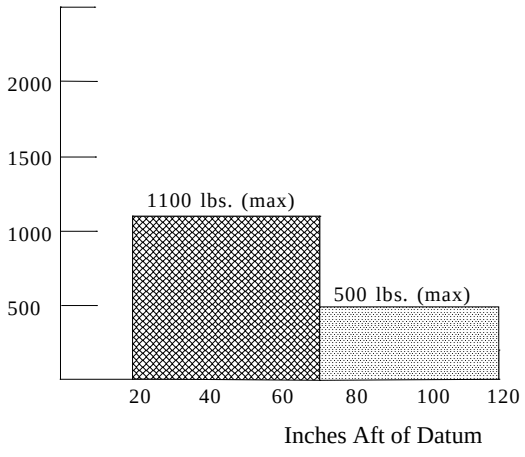


Fwd Limit: 9.80 in. AOD at 3680 lbs. or less
15.26 in. AOD at 4600 lbs.
Aft Limit: 25.40 in. AOD at all weights.

Linear variation between these points.

Empty weight C.G. range	None
Datum	Wing Leading Edge
Leveling means	Fuselage upper longerons and bulkhead in cargo area
Maximum weight	4,600 lbs.
Number of seats	One at 2.20 in fwd of datum (FU24-954) Two at 2.20 in fwd of datum (FU24A-954)
Maximum cargo	1,600 lbs. between 20.0 in. aft of datum and 120.0 in. aft of datum

Normal Category Operation
Load Distribution - Cargo Compartment (Hopper not installed)



(See AFM for C.G. loading envelope.)

Hopper Load (lbs.) 2800 lbs. (Restricted Category operations only)

Fuel capacity

System	Tank Capacity	Unusable	Usable	Total Usable
Two wing leading edge tanks (standard) at 9.8 in. aft of datum	34.2 gal. each tank	1.8 gal. each tank	32.4 gal. each tank	64.8 gal.
Mod. AI/FU/0045 (optional) Two wing leading edge tanks (std) at 9.8 in. aft of datum	34.2 gal. each tank	1.8 gal. each tank	32.4 gal. each tank	64.8 gal.
Two integral tanks at 35.1 in. aft of datum	36 gal. each tank	2.5 gal. each tank	33.5 gal. each tank	67.0 gal.
Total Usable Capacity				131.8 gal.

Oil capacity: 4.2 U.S. gal. at 63.0 in. fwd of datum

Control surface movements

Elevator (relative to fuselage upper longerons in cargo area)	Up 20°	Down 5°
Elevator Tab (with respect to elevator	Up 12° (Elevator up 20°)	Down 6° (Elevator down 5°)
Rudder	Right 30°	Left 30°
Ailerons	Up 25°	Down 10°
Flaps	Up 0°	Down 40°

NOTE: For detail control surface tolerances, refer to New Zealand Aerospace Ind., Ltd. Maintenance Manual. Any maintenance on primary control systems will require control surface travel checks.

Serial Nos. eligible: None. Type certificate surrendered, none on registry.

Drawing List: NZAIL Drwg No. 248850 (FU24-954)
NZAIL Drwg No. 248750 (FU24A-954)

Restricted Category Operations

List of Approved Spray Equipment and Accessories

	AI/FU Number	Description
*	0029 and 0030	Boom Spray Equipment
	0038	Side Loading Valve
*	0043	Transland Spreader
*	0046 and 0047	Micronair Spray Equipment
*	0097	High Volume Solid Application Equipment
	0103	Hard Points - Spray Equipment
*	0108	Transland Swathmaster
**	0109	Hopper Ltd
**	AP-45	37 cu. ft. Hopper (standard - metal top)
**	0082	43 cu. ft. Hopper (fiberglass)
*	0125	Rear passenger seat
*	0127	Passenger seat cushion and harness

NOTE: * Installation will render the airplane eligible for operation in the Restricted Category only. Logbook entries to be accomplished in accordance with FAR 43.9 for each category change.

** Hopper must be empty, if installed, for normal category operation. Hopper lid must be installed during normal category operation.

Data Pertinent to Both Models

Certification basis	FAR 21.29 (Normal Category), FAR 21.25 (Restricted Category), and FAR 23, effective February 1, 1965, including Amendments 23-1 through 23-21 inclusive. Compliance has also been shown with FAR 36 noise requirements. Satisfactory findings under the Noise Control Act of 1972 completed September 13, 1979. Negative Environmental Declaration prepared September 14, 1979. Date of Application for Type Certificate: November 23, 1978 Type Certificate No. A9PC issued on September 20, 1979
Import Requirements	A U.S. Standard Airworthiness Certificate may be issued on the basis of a New Zealand Certificate of Airworthiness For Export signed by an authorized representative of the New Zealand Civil Aviation Division (CAD) containing the following statement: "The airplane covered by this certificate has been examined, tested and found to conform to the type design approved under U.S. Type Certificate No. A9PC and to be in a condition for safe operation."
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. The required and optional equipment for both models are specified in New Zealand Aerospace Master Equipment Lists No. FU-24-70 (Normal Category) and No. FU-24-71 (Restricted Category) and have been approved by the new Zealand CAD.
Equipment (continued)	New Zealand Aerospace Industries, Ltd. Airplane Flight Manual No. AIR 2108 approved by the New Zealand CAD required for both FU24-954 and FU24A-954 model airplanes in all categories of operation. Included within the AFM is information in the form of supplements which covers installation for optional systems and equipment and are necessary for safe operation of the airplane. Safe-Flight Instrument Corporation stall warning indicator Model S required (ref. New Zealand Aerospace Drwg No. 246570, sheet 5.) Copies of these documents may be obtained from Pacific Aerospace Corp. Ltd., Airport Road, Hamilton Airport, Hamilton, New Zealand. They may also be examined at the FAA, Northwest Mountain Region, Honolulu Aircraft Certification Field Office, Room 7108, Prince Kuhio Federal Bldg., 300 Ala Moana Blvd., Honolulu, Hawaii 96850.

NOTE 1. Current Weight and Balance Report, including List of Equipment included in certified empty weight, and loading instructions when necessary, must be provided for each aircraft at the time of original airworthiness certification and at all times thereafter. Loading instructions are included in the New Zealand Civil Aviation Division Approved Airplane Flight Manual.

NOTE 2. Placards and instrument markings must be displayed in accordance with the Approved Flight Manual. (See also maintenance manual for list of required placards.) Each individual aircraft must be identified with a placard which specifies approved types of operation as covered by the Certificate of Airworthiness. These aircraft are approved for Day VFR operation. Night and IFR operations are permitted when the appropriate equipment is installed. Operations into known or forecast icing conditions is prohibited. Additional placards for optional equipment must be included as required by the Approved Airplane Flight Manual Supplements supplied with the particular aircraft.

NOTE 3. Information essential for the proper maintenance of the airplane is contained in New Zealand Aerospace Ind., Ltd. Maintenance Manual for the Fletcher FU24-950 series aircraft. A life limit of 7,200 flight hours has been established for the wing spar. Further information and approval for an extended spar life may be obtained from FAA, Northwest Mountain Region, Honolulu Aircraft Certification Field Office.

NOTE 4. For carriage of cargo, aircraft must be equipped with a cargo floor and tiedowns in accordance with modification AI/FU/0094.

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