



A-3 Pt 2
Revision 12
Pacific Aerospace Ltd
FU24-950
FU24A-950
FU24-954
FU24A-954
12 December 2006

TYPE CERTIFICATE DATA SHEET No A-3, Part 2

This data sheet together with Type Certificate Data Sheet Part 1 (I- Model FU24 and II- Model FU24A, approved 2 February 1967), which is part of Type Certificate No. A-3, prescribes the conditions and limitations under which the product for which the Type Certificate was issued meets the Airworthiness Requirements of the New Zealand Civil Aviation Rules.

Type Certificate Holder :

Pacific Aerospace Ltd
Hamilton, New Zealand

Transferred on 12/12/06 from :

Pacific Aerospace Corporation Ltd
Hamilton, New Zealand

III- Model FU24-950. Approved 11/12/70

Engine: Lycoming IO-720-A1A, or -A1B.
 Fuel: 100/130 minimum grade aviation gasoline.
 Engine Limits: For all operations: 2650 RPM full throttle (400 HP).
 Propeller and Limits: Hartzell HC-C3YR-1F/F8475 or HC-C3YR-1RF/F8475R or HC-C3YR-1RF/F8483. Diameter 86 in max, 84 in min. Governor model Hartzell F4-1D.
 Airspeed Limits: Never Exceed 143 kt CAS
 Max. Structural Cruising 114 kt CAS
 Manoeuvring 114 kt CAS
 Flaps Extended 86 kt CAS
 CG Range: Fwd Limit: .25 m AOD at 1700 kg or less.
 .43 m AOD at 2204 kg.
 .51 m AOD at 2463 kg.
 Aft Limit: .64 m AOD at all weights.
 Linear variation between these points.
 Empty Weight CG Range: None.
 Datum: Wing leading edge.
 Levelling Means: Fuselage upper longerons and bulkhead in cargo area.
 Maximum Weight: 2204 kg Standard Category.
 2463 kg Agricultural Category.

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Number. of Seats:	One at .06 m fwd of datum.
Maximum Cargo:	227 kg between 1.68 m AOD and 3.05 m AOD when cargo door and floor aft of hopper is provided.
Maximum Hopper Capacity:	1270 kg (structural) at .94 m AOD.
Fuel Capacity:	Two wing tanks 130 l each at .25 m AOD. Total usable capacity 245 l.
Oil Capacity:	16 l at 1.6 m fwd of datum.
Control Surface Movements:	Elevator (relative to fuselage upper longerons in cargo area): down 5° up 20° Elevator tab (with respect to elevator) : down 6° (elevator down 5°) up 12° (elevator up 20°) Rudder : right 30° left 30° Ailerons : down 10° up 25° Flaps : down 40° up 0°
Serial Numbers. eligible:	155 and up.
Drawing List	Serial numbers 155 to 255, Air Parts (NZ) Ltd Drg List 101/24. (These aircraft may incorporate either modification AP 83 large cargo door or modification AP 84 small cargo door). Serial numbers 256 and up, NZAIL Drg No. 248900. (Small cargo door incorporated).

IV- Model FU24A-950. Approved 11/12/70

For all data refer to model III with the exception of the following: (This model is a dual control version of model III).

Number of seats:	Two at .06 m fwd of datum.
Drawing List:	Serial numbers 155 to 255, Air Parts (NZ) Ltd Drg List 101/24. (These aircraft may incorporate either modification AP 83 large cargo door or modification AP 84 small cargo door). Serial numbers 256 and up, NZAIL Drg No. 248950. (Small cargo door incorporated).

V- Model FU24-954. Approved 23/6/78

For all data refer to model III with the exception of the following: (This model has a large cargo door).

Maximum Cargo: 227 kg between 1.68 m AOD and 3.05 m AOD.
Serial Numbers Eligible 240, 247 and up.
Drawing List: NZAIL Drg No. 248850.

VI- Model FU24A-954. Approved 23/6/78

For all data refer to model V with the exception of the following: (This model is a dual control version of model V).

Number of seats: Two at .06 m fwd of datum.
Drawing List NZAIL Drg No. 248750.

Data Pertinent to Models III, IV, V and VI

Certification Basis: New Zealand Civil Airworthiness Requirements current on 11/12/70.

NZDCA letters 61/34/1 of 4 April 1965 to Air Parts (NZ) Ltd, and 5 May 1964 to Air New Zealand Ltd.

US Civil Air Regulations Part 3 amended to 16 May 1953, except:

1. CAR 3.120(f) is not met unless equipment to FAC Drg No. 241208 or AP Drg No. 246312 is fitted.
2. CAR 3.295 is not met unless provision for ventilation in accordance with AP Drg No. 247995 has been incorporated.

These exceptions apply to aircraft used solely for agricultural operations.

Equipment: The basic required equipment as prescribed in the applicable airworthiness regulations (see certification basis) must be installed in the aircraft for certification and the following MoT/CAD approved Flight Manual is required: AIR 134.

- 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 certification.
- NOTE 2: Placards and instrument markings must be displayed in accordance with the approved Flight Manual.
- NOTE 3: Data listed in Part 1 of this data sheet do not apply to models listed in Part 2.

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