

FEDERAL AVIATION AGENCY

A3PC
C. ITOH
N-62

December 5, 1966

TYPE CERTIFICATE DATA SHEET NO. A3PC

This data sheet, which is a part of type certificate No. A3PC 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 C. Itoh Aircraft Maintenance and Engineering Company, Ltd.
1060 Tobitakyu-Machi, Chofu-Shi
Tokyo, Japan

I - Model N-62, 4 PCLM (Normal Category), 2 PCLM (Utility Category), Approved September 26, 1966

Engine	Lycoming O-320-B2B								
Fuel	91/96 minimum grade aviation gasoline								
Engine limits	For all operations, 2700 r.p.m. (160 hp.)								
Propeller	McCauley 1C172 MGM 7654 Diameter: 76 in., no reduction permitted Static r.p.m. at maximum permissible throttle setting: Not over 2400 r.p.m., not under 2300 r.p.m. No additional tolerance permitted.								
Airspeed limits (CAS)	<table border="0"> <tr> <td>Vne (Never exceed)</td> <td>160 m.p.h. (139 knots)</td> </tr> <tr> <td>Vno (Maximum structural cruising)</td> <td>138 m.p.h. (120 knots)</td> </tr> <tr> <td>Vp (Maneuvering)</td> <td>113 m.p.h. (98 knots)</td> </tr> <tr> <td>Vfe (Flaps extended)</td> <td>96 m.p.h. (83 knots)</td> </tr> </table>	Vne (Never exceed)	160 m.p.h. (139 knots)	Vno (Maximum structural cruising)	138 m.p.h. (120 knots)	Vp (Maneuvering)	113 m.p.h. (98 knots)	Vfe (Flaps extended)	96 m.p.h. (83 knots)
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C.G. range	Normal: (+82.7) to (+90.2) at 1874 lb. or less (+87.4) to (+90.2) at 2205 lb. Utility: (+82.7) to (+86.7) at 1874 lb. or less Straight line variation between points given.								
Empty weight C.G. range	None								
Datum	41.3 in. forward of lower engine mount attaching surface.								
Leveling means	Points on left side upper and lower frame of front fuselage.								
Maximum weight	Normal: 2205 lb. Utility: 1874 lb.								
Minimum crew	Pilot								
No. of seats	4 (2 at +85.2, 2 at +112.8)								
Maximum baggage	66 lb. (+140.2)								
Fuel capacity	42 gal. (2 wing tanks at +82.7) 40 gal. usable. See NOTE 1 for unusable fuel.								

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Oil capacity	2 gal. (+29.7)				
Control surface movements	Wing flaps	Up	0°	Down	40° ± 2°
	Ailerons	Up	22° ± 2°	Down	15° ± 2°
	Rudder	Right	24° ± 2°	Left	24° ± 2°
	Stabilator	Up	14° ± 1°	Down	8° ± 1°
	Stabilator tab	Up	6° ± 1°	Down	5° ± 1°
Serial Nos. eligible	The Government of Japan Certificate of Airworthiness for Export endorsed as noted under "Import Requirements" must be submitted for each individual aircraft for which application for certification is made.				
Certification basis	CAR 10 dated March 28, 1955. (Applicable regulations are CAR 3, dated May 15, 1956, including Amendments 3-1 through 3-8.)				
	Date of Application for Type Certificate: June 11, 1963.				
Required equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for type certification. C. Itoh Report N62404E contains a list of all required equipment as well as optional equipment installations approved by the JCAB.				
Import requirements	A U.S. Certificate of Airworthiness may be issued on the basis of a Japanese Certificate of Airworthiness for Export signed by a representative of the Japan Civil Aviation Bureau containing the following notation: "The aircraft covered by this certificate has been found to conform to Type Certificate No. A3PC and is in a condition for safe operation."				

NOTE 1. (a) 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 airworthiness certification.

(b) The certificated empty weight and corresponding center of gravity location must include unusable fuel and undrainable oil as follows:

Unusable fuel 12 lb. at +82.7
Undrainable oil 0

NOTE 2. The following placards must be displayed as indicated.

(a) In full view of the pilot:

"THIS AIRPLANE MUST BE OPERATED AS A NORMAL OR UTILITY CATEGORY AIRPLANE IN COMPLIANCE WITH THE APPROVED AIRPLANE FLIGHT MANUAL.

All markings and placards on this airplane apply to its operation as a Normal Category Airplane.

For Utility Category operations, refer to the Airplane Flight Manual.

NO ACROBATIC MANEUVERS (INCLUDING SPINS) ARE APPROVED FOR NORMAL CATEGORY OPERATIONS.

THIS AIRPLANE APPROVED FOR VFR DAY OR NIGHT."

(b) On flap handle:

"Flaps - Pull to extend

Max. speed 96 m.p.h.

Retracted 0°

1st notch 20°

2nd notch 40°"

- (c) On fuel selector guard:

"OFF

L.H. FUEL	R.H. FUEL
20 GAL.	20 GAL.

BOTH"

or

"OFF ON FUEL 2 x 20 GAL."

- (d) In baggage compartment:

"N - Max. baggage 66 lbs.

U - Baggage compartment must not be occupied"

- (e) Adjacent to fuel filler cap:

"FUEL 91/96

20 U.S. GAL."

- (f) Adjacent to airspeed indicator:

"Rough air or maneuvering speed (Vp) 113 m.p.h.

Max. demonstrated crosswind 11.5 knots"

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