



Australian Government
Civil Aviation Safety Authority

CERTIFICATE of TYPE APPROVAL

Number: 34-1, Issue 3

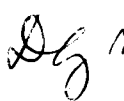

Certificate Holder: Airtourer Cooperative Ltd.

Address: 7/2 Harbourview Crescent
Abbotsford Cove
NSW
Australia

This certifies that, on 4 July 1962, approval was granted in accordance with regulation 28 of the Air Navigation Regulations for Air Tourer 100 aeroplanes manufactured by Victa Limited.

Aeroplanes for which this certificate is issued conform with Victa drawing number 00201 and all component drawings current at 4 July 1962, or other drawings approved under the Air Navigation Regulations.

This certificate is valid until suspended or cancelled by the Civil Aviation Safety Authority. The basis of certification is as prescribed in Certificate of Type Approval Data Sheet No. 34-1 issued by this Authority.

Dinh Nguyen
Delegate of the Authority
23 April 2007



No.: 34-1
Revision: 2
Aircraft: Air Tourer AT-100
Date: 23 April 2007

CERTIFICATE OF TYPE APPROVAL DATA SHEET

This data sheet, which is part of the Certificate of Type Approval No. 34-1, lists the conditions and limitations under which the aircraft for which the Certificate of Type Approval was issued meets the airworthiness requirements of the Civil Aviation Safety Authority.

Certificate Holder. Airtourer Cooperative Ltd.
7/2 Harbourview Crescent
Abbotsford Cove
NSW, 2046
AUSTRALIA

Model Air Tourer AT-100 (Normal and Acrobatic Categories)
Approved 4 July 1962

Engine	Teledyne Continental Motors O-200-A		
Engine limits	Maximum, takeoff:	2750 rpm	
	Maximum continuous:	2750 rpm	
Fuel	80/87 minimum grade aviation gasoline		
Propeller	Type:	McCauley 1A105/SCM 6950	
	Pitch--	50 inches	
	Diameter:	69 inches (not less than 68 inches)	
Full throttle static rpm	Not over 2500 rpm, not under 2400 rpm		
Airspeed limits (Knots IAS)	Never exceed	175	
	Max. structural cruising	122	
	Manoeuvring at 1650 lb		107
		1550 lb	122
	Flaps extended		100

Centre of Gravity Limits

Forward limit:

Normal Category:

82.25 inches aft of datum at 1650 lb, and
79.2 inches aft of datum at 1330 lb or
less. See Note 2.

Acrobatic Category:

81.68 inches aft of datum at 1550 lb, and
79.2 inches aft of datum at 1330 lb or
less. See Note 2.

Aft limit:

Normal Category:

86.35 inches aft of datum at all weights

Acrobatic Category:

84.9 inches aft of datum at all weights

Datum: 50.0 inches forward of front face of engine bulkhead

Maximum weight

Normal Category: 1650 lb,

Acrobatic Category: 1550 lb

Maximum baggage

100 lb. See Note 1

Fuel Capacity

29.0 Imp. Gal. (28.7 Imp. Gal. useable)

Oil capacity

1.25 Imp. Gal.

Number of seats

2

Control Surface Movements

Elevators: 19° up 15° down

Rudder: 18° left 23° right

Flaps up

Flaps down

Ailerons: 8° up 4.5° up

Ailerons: 3° down 9.3° down

Flapperons: 7.9° up 8° up

Flapperons: 4.4° down 18° down

Centre Flap: flaps full down 28.4°

Other operating limits:

Aircraft shall be operated in compliance with the
operating limitations specified in the approved aircraft
flight manual.

Serial Nos. Eligible	1 - 169. See Note 3.
Certification Basis	Commonwealth of Australia Department of Civil Aviation Air Navigation Orders Section 101.1 current at October 1960. See Note 4.
Aircraft Manuals	Flight Manual: Edge Aviation Document EA-AT100/34- Pilot's Handbook: Air Tourer 100. Maintenance and Repair Manual: Air Tourer 100. Illustrated Parts Catalogue: Air Tourer 100.
Placards	Mandatory placards and marking information are specified in the approved aircraft Flight Manual.

Notes:

1. Baggage must not be carried when performing aerobatics.
2. Linear variation between 1330 lb and 1650 lb.
3. This data sheet is only applicable to AT100 aircraft manufactured by Victa Limited. However, the Certificate Holder is responsible for the continuing airworthiness of aircraft within the applicable serial number range.
4. The original Certificate of Type Approval 34-1 was issued without a data sheet. |
5. Revision 2 of this Certificate of Type Approval Data Sheet identifies the new holder of the CTA. |

Revision 1 of this Certificate of Type Approval Data Sheet references a new aircraft flight manual, Edge Aviation Document EA-AT100/34-1, which supersedes the original aircraft flight manual. Revision 1 also amends the maximum engine rpm limits to reflect the latest issue of the engine TCDS and adds a full throttle static rpm limitation.

END