



Type Certificate

Number: VA520

Original issue:

Type Certificate Holder: Brumby Aircruiser Pty Ltd
112 Airport Rd, Cowra
NSW 2794,

Pursuant to Regulation 21.013A of the Civil Aviation Safety Regulations 1998 approval is hereby granted for the Brumby Aircruiser Pty model Air Cruiser 210CS aircraft in the normal category.

This certificate was originally issued as Certificate of Type Approval 34-4 pursuant to regulation 28 of 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 Type Certificate Data Sheet Number VA520 issued by this Authority.

Date of Original Certificate: 31 March 1967

Date of Issuance: 20 June 2013



David Punshon

David Punshon
Delegate of the Authority

Number: VA520
Revision: Revision 0
Aircraft: Brumby Aircruiser Pty Ltd
Air Cruiser 210CS

Date: 20 June 2013

TYPE CERTIFICATE DATA SHEET

This data sheet, which is part of the Type Certificate No VA520, lists the conditions and limitations under which the aircraft for which the Type Certificate was issued meets the airworthiness requirements of the Civil Aviation Safety Authority.

Type Certificate Holder: Brumby Aircruiser Pty Ltd
112 Airport Rd,
Cowra NSW, 2794

Previous Type Certificate Holders: Airmariner Consultants Pty Ltd
357 Maroubra Road
Maroubra NSW, 2035

Millicer Aircraft Industries Pty Ltd
c/o KPMG Peat Marwick
Sale VIC, 3850

Victa Limited
Milperra
NSW, 2214

1. Model Air Cruiser 210CS (In the normal category) Approved 20 January 1967

Engine: Teledyne Continental IO-360-D or IO-360-H

Engine limits: Maximum, take-off: 2800 rpm
Maximum, continuous: 2800 rpm

Fuel: 100/130 or 100LL minimum grade aviation gasoline

Propeller: Type: Hartzell BHC-C2YF-1B/7663A (IO-360-D)
Blade Angle: Low 16.3°, High 35.5° (at 25.6" station)
Diameter: Not over 76", not under 72"

Governor: Woodward F210452

Spinner: Hartzell 835-23

Airspeed limits: Never exceed 190 KIAS
Max structural cruising 152 KIAS
Manoeuvring 111 KIAS
Flaps extended 100 KIAS

Maximum weight:	2400 lb (see Note 1)		
Maximum baggage:	120 lb (+143)		
Centre of Gravity Limits:	Forward limit:	83.0 inches aft of datum at 2400 lb 76.7 inches aft of datum at 2100 lb <i>(with linear variation between these points)</i>	
	Aft limit:	88.0 inches aft of datum at all weights	
	Datum:	Fuselage Station 0	
Fuel Capacity:	41.4 Imp Gal (40.0 Imp Gal useable)		
Oil capacity:	2.0 Imp Gal		
Number of seats:	4		
Minimum Crew:	1 Pilot		
Control Surface Movements:	Elevators:	25° up	9° down.
	Rudder:	25° left	25° right.
	Ailerons:	25° up	15° down.
	Flaps:	Up 0°	T.O. 15° Down 30°
Serial Numbers Eligible:	07-1 and up		
Certification Basis:	US Federal Aviation Regulations Part 23 effective on 1 st April 1967, except as stated in Department of Civil Aviation letter 16/11/518 dated 31 st March 1967		
Type Design Data:	Flight Manual: Edge Aviation Document EA-AC210/34-4. Air Cruiser Maintenance Manual Victa G.A. Drawing Number 07-00001 and all component drawings dated 31 March 1967 or later approved revision		
Placards:	Mandatory placards and marking information are specified in the approved aircraft Flight Manual.		

Notes:

1. While maximum design weight is 2520 lb, stresses and shock absorption has only been demonstrated to 2400 lb. Consequently the maximum take-off weight is restricted to 2400 lb. The higher weight will be considered for other aircraft upon application.
2. The following placard must be displayed in front and in clear view of the pilot:
"This aeroplane must be operated as a normal category aeroplane in accordance with the operating limitations stated in the form of placards, marking and manuals."
3. The certificate of airworthiness for aircraft S/N 07-1 issued against Certificate of Type Approval CTA 34-4 remains valid.

END