

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A15WE Revision 1 Biomond Teal CB1 February 14, 2003

TYPE CERTIFICATE DATA SHEET NO. A15WE

This data sheet which is a part of type certificate No. A15WE 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. Biomond
728 W. Vista Hermosa Drive
Green Valley, Arizona 85614

I - Model Teal CB1 (Restricted Category) approved November 14, 1967

Engine	2 Continental C 85-12J
Fuel	80/87 minimum grade aviation gasoline
Engine limits	2575 rpm (85 hp) for all operations
Propeller and propeller limits	McCauley Model 1A105/SCM Diameter: Minimum 67 inches, Maximum 71 inches Static rpm limits: Minimum 2330 rpm, Maximum 2430 rpm
Airspeed limits (CAS)	Never exceed 140 mph (122 kts.) Maximum structural cruising 124 mph (108 kts.) Maneuvering 140 mph (122 kts.) Flaps extended 104 mph (91 kts.) Landing gear operating 104 mph (91 kts.)
C.G. range	(+97.1 inches) (24.1% MAC) to (+100.0 inches) (29.1% Mac). See Aircraft Loading Schedule.
Datum	Nose tip of hull
MAC	Leading edge of MAC located at (+83.18 inches)
Leveling Means	Side window ledge
Maximum weight	2420 lbs.
Number of seats 135 lbs.)	3 - (2) at (+94 inches) and (1) at (+130 inches --limited to
Maximum baggage	40 lbs. at (+130 inches) - See Aircraft Loading Schedule.
Fuel capacity	40 gals. total, 240 lbs. at (+105 inches) 37 gals. usable, 222 lbs. at (+105 inches)
Oil capacity	2 gals., 15 lbs. at (+72 inches)
Other operating limitations	See FAA Approved Airplane Flight Manual

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Control surface movements	<table border="0"> <tr> <td style="padding-right: 20px;">Aileron</td> <td>-25° to +30°</td> </tr> <tr> <td>Elevator</td> <td>-30° to +30°</td> </tr> <tr> <td>Elevator tab</td> <td>-10° to +30°</td> </tr> <tr> <td>Rudder</td> <td>-30° to +10°</td> </tr> <tr> <td>Flaps</td> <td>0° to -35°</td> </tr> </table>	Aileron	-25° to +30°	Elevator	-30° to +30°	Elevator tab	-10° to +30°	Rudder	-30° to +10°	Flaps	0° to -35°
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Serial Nos. eligible	No. 1001										
Certification basis	<p>CAR 8, Restricted Category, effective October 11, 1950 Type Certificate No. A15WE issued November 14, 1967, For the special purpose of:</p> <ol style="list-style-type: none"> a) Fish Spotting b) Aerial Photography c) Any other special purpose operation approved by Chief, Aircraft Engineering Division, Western Region, FAA <p>Application for Type Certificate dated April 18, 1963</p>										
Production basis	NONE. No other aircraft may be produced under this approval.										
Export eligibility	Aircraft will be eligible for issuance of an Export Certificate of Airworthiness subject to compliance with Federal Aviation Regulation Part 21, Subpart L.										
Equipment	<p>The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. The "FAA Approved Airplane Flight Manual for the Biemond Model Teal CB1," must be available in the aircraft at all times. For equipment installed in the aircraft, see Biemond Aircraft Company Engineering Report, "Master Equipment List."</p>										

NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary must be in the aircraft at the time of original airworthiness certification and at all times thereafter.

NOTE 2. The following placard must be displayed in full view of the pilot:

- a) "This airplane must be operated in accordance with operating limitations in the FAA Approved Airplane Flight Manual".
- b) This airplane must be operated in accordance with the restricted category operating limitations of FAR 91.39."

The following placards must be prominently displayed at the appropriate location in aircraft:

- c) "40 lbs. Maximum baggage at this station," (behind pilot's seat)
- d) "Trim tab, nose down _ " (by elevator trim tab control)
- e) "No baggage in forward compartment," (at entrance to forward compartment)
- f) "Amber light for water landings, green light for runways - Up/Down" (by landing gear warning lights)
- g) "Main Fuel Tanks ON-OFF (Left Engine)," (adjacent to the left fuel shutoff valve above left of pilot.)
- h) "Main Fuel Tanks ON-OFF (Right Engine)," (adjacent to the right fuel shutoff valve above right of copilot (or front passenger)
- i) "10, 20, 30, 35 degrees," (by flap position indicator on forward left overhead panel)

- j) "Flaps Down _" (by flap position selector)
- k) "Fill fuel tanks, then top-off each again," (on fuel filler caps)
- l) "(135 lbs.) Maximum Occupant Wt.," (at rear passenger seat)

For additional placards see FAA Approved Airplane Flight Manual.

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