DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

A3CE Revision 5 American Champion (Champion) 402 August 1, 1991

TYPE CERTIFICATE DATA SHEET NO. A3CE

This data sheet, which is a part of Type Certificate No. A3CE, prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder American Champion Aircraft Corp.

P.O. Box 37

Rochester, WI 53167

I. Model 402, 2 PCLM (Normal and Utility Category), Approved March 7, 1963

Engine Two Continental O-200-A

Fuel * 80/87 minimum grade aviation gasoline

Engine Limits * For all operations, 2750 r.p.m. (100 hp.)

Propeller and Propeller Limits

1. Two McCauley 1A100 MCM 6953 propellers

Diameter: not over 69 in., not under 67.5 in. No further reduction permitted. Static rpm at maximum permissible throttle setting: not over 2360, not under 2260

No additional tolerance permitted

2. Two McCauley 1A100 MCM 6948 propellers

(Note: eligible on aircraft modified per Champion Service Letter No. 63) Diameter: not over 69 in., not under 67.5 in. No further reduction permitted. Static rpm at maximum permissible throttle setting: not over 2450, not under 2550

No additional tolerance permitted

Airspeed Limits Never exceed 162 mph (141 knots) CAS

* Maximum Structural Cruising
Maneuvering Speed

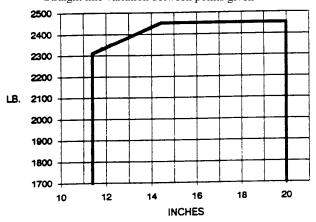
* Flaps extend

130 mph (113 knots) CAS
129 mph (112 knots) CAS
100 mph (87 knots) CAS

C.G. Range (+14.4) to (+20.0) at 2450 lbs.

None

(+11.4) to (+20.0) at 2310 lbs. or less Straight line variation between points given



Empty wt.C.G. Range

Page No.	1	2
Rev. No.	5	5

A3CE 2

Datum Wing leading edge

Leveling means Drop plumb bob from wing leading edge and measure 10-5/16" to aft face of front

wing strut lug.

Maximum Weight 2450 lbs.

No. of Seats 2 (1 at +12, 1 at +42)

Maximum Baggage 100 lbs. (+64)

Fuel Capacity *57 gal. (52 gal. usable). Two 28.5 gal tanks in wings (+24.5)

See Note 1 for data on unusable fuel

Oil Capacity 6 qt. per engine (5.3 qt. usable) (-9)

See Note 1 for data on unusable oil

Control Surface Movements Wing flaps Down 25°

Aileron Up 28° Down 20° Elevator tab Up 35° 27° Down Elevator Up 26° Down 21° Right 21° Rudder tab Left 56° Right 27° Rudder Left 27°

Serial Nos. Eligible 402-1 and up.

Certification Basis Part 3 of the Civil Air Regulations effective May 15, 1958, as amended by 3-1 thru 3-5.

Application for Type Certificate dated August 14, 1961. Type Certificate No. A3CE issued March 7, 1963.

Production Basis None. Prior to original certification of each aircraft manufactured subsequent to

May 17, 1982, an FAA representative must perform a detailed inspection for workmanship, materials, and conformity with the approved technical data and a

check of the flight characteristics.

Equipment The basic required equipment as prescribed in the applicable airworthiness

regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, the following items of equipment are required:

- (a) Stall warning indicator Champion Drawing 4-1319
- (b) FAA Approved Airplane Flight Manual dated February 27, 1963 with Revision No. 3, dated May 14, 1964

NOTE 1. Current weight and balance report, together with list of equipment included in certificated empty weight, and loading instructions when necessary, must be provided for each aircraft at the time of original certification. The certificated empty weight and corresponding center of gravity location must include unusable oil of 2.6 lb. at (-9) and unusable fuel of 30 lb. at (+19.5).

NOTE 2. The following placards must be displayed:

- (a) In front of and in clear view of the pilot:
 - "This airplane must be operated as a Normal or Utility Category airplane in compliance with the Approved Airplane Flight Manual."
- (b) In the baggage compartment: "Maximum baggage 100 lb."

In addition to the placards specified above, the prescribed operating limitations indicated by asterisks (*) under Section 1 must also be displayed by permanent markings.