

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

|         |       |       |                   |
|---------|-------|-------|-------------------|
|         |       |       | A-759             |
|         |       |       | Revision 73       |
|         |       |       | American Champion |
|         |       |       | (Bellanca)        |
|         |       |       | (Champion)        |
|         |       |       | (Aeronca)         |
|         | 7AC   |       |                   |
|         | 7ACA  | 7EC   | 7GCB              |
|         | S7AC  | S7EC  | 7GCBA             |
| (L-16A) | 7BCM  | 7ECA  | 7GCBC             |
| (L-16B) | 7CCM  | 7FC   | 7HC               |
|         | S7CCM | 7GC   | 7JC               |
|         | 7DC   | 7GCA  | 7KC               |
|         | S7DC  | 7GCAA | 7KCAB             |
|         |       |       | February 9, 2011  |

AIRCRAFT SPECIFICATION NO. A-759

Type Certificate Holder: American Champion Aircraft Corp.  
P. O. Box 37  
Rochester, WI 53167

Type Certificate Holder Record: Aeronca Aircraft Corporation transferred TC A-759 to  
Champion Aircraft Corporation on July 19, 1954

Champion Aircraft Corporation transferred TC A-759 to  
Bellanca Aircraft Corporation on March 15, 1971

Bellanca Aircraft Corporation transferred TC A-759 to  
Champion Aircraft Company, Inc. on November 1, 1982

Champion Aircraft Company, Inc. transferred TC A-759 to  
Tetelestai, Inc. on October 11, 1988

Tetelestai transferred TC A-759 to  
FRA Enterprises, Inc. on December 27, 1988

FRA Enterprises, Inc. transferred TC A-759 to  
American Champion Aircraft Corp. on May 30, 1989

I - Model 7AC, 2 PCLM (Normal Category), Approved October 18, 1945

(See NOTE 4 for optional engines and conversions to other models)

|                                                         |                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engine                                                  | Continental A-65-8 (see item 115 for Lycoming O-235-C)                                                                                                                                                                                                                    |
| Fuel                                                    | 73 minimum grade aviation gasoline                                                                                                                                                                                                                                        |
| Engine Limits                                           | For all operations, 2300 r.p.m. (65 hp.)                                                                                                                                                                                                                                  |
| Airspeed Limits                                         | Level flight or climb 95 m.p.h. (83 knots) True Ind.<br>Glide or dive 129 m.p.h. (112 knots) True Ind.                                                                                                                                                                    |
| Propeller Limits<br>(For fixed pitch<br>wood propeller) | Static rpm at maximum permissible throttle setting:<br>Not over 2250, not under 1960. No additional tolerance permitted.<br>Diameter: not over 72 in., not under 70 in.                                                                                                   |
| C.G. Range                                              | (+10.9) to (+21.5)                                                                                                                                                                                                                                                        |
| Empty wt.<br>C.G. Range                                 | (+14.1) to (+17.9) standard arrangement<br>(+14.1) to (+15.0) when item 106(a) installed. When empty weight C.G. falls<br>within the range given, it is not necessary to compute critical fore and aft C.G.<br>positions. This range valid for standard arrangement only. |
| Maximum Weight                                          | 1220 lb.                                                                                                                                                                                                                                                                  |
| No. of Seats                                            | 2 (1 at +11.5, 1 at +42)                                                                                                                                                                                                                                                  |
| Maximum Baggage                                         | 40 lbs. at +64. See NOTE 2 for baggage placard.                                                                                                                                                                                                                           |
| Fuel Capacity                                           | 13 gal. at -15.                                                                                                                                                                                                                                                           |
| Oil Capacity                                            | 4 qt. at -33.                                                                                                                                                                                                                                                             |

|          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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|                           |                              |       |                   |      |                   |
|---------------------------|------------------------------|-------|-------------------|------|-------------------|
| Control Surface Movements | Elevator                     | Up    | 25 <sup>0</sup>   | Down | 15.5 <sup>0</sup> |
|                           | Elevator Trim Tab            | Up    | 20 <sup>0</sup>   | Down | 34.5 <sup>0</sup> |
|                           | Ailerons                     | Up    | 28.5 <sup>0</sup> | Down | 18 <sup>0</sup>   |
|                           | Rudder                       | Right | 24 <sup>0</sup>   | Left | 25 <sup>0</sup>   |
| Serial Nos. Eligible      | 7AC-1 and up.                |       |                   |      |                   |
| Required Equipment        | Items 1, 101, 102, 201, 202. |       |                   |      |                   |

II - Model S7AC, 2 PCSM (Normal Category), Approved February 27, 1947  
(Same as 7AC except for float installation)

|                             |                                                                                                                                                                                                                               |                        |                   |      |                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------|------|-------------------|
| Engine                      | Continental A-65-8                                                                                                                                                                                                            |                        |                   |      |                   |
| Fuel                        | 80 minimum grade aviation gasoline                                                                                                                                                                                            |                        |                   |      |                   |
| Engine Limits               | For all operations, 2300 r.p.m. (65 hp.)                                                                                                                                                                                      |                        |                   |      |                   |
| Airspeed Limits             | Level flight or climb                                                                                                                                                                                                         | 90 m.p.h. (78 knots)   | True Ind.         |      |                   |
|                             | Glide or dive                                                                                                                                                                                                                 | 121 m.p.h. (105 knots) | True Ind.         |      |                   |
| Propeller Limits            | Static rpm at maximum permissible throttle setting:                                                                                                                                                                           |                        |                   |      |                   |
| (For fixed pitch propeller) | Not over 2200, not under 1960. No additional tolerance permitted.                                                                                                                                                             |                        |                   |      |                   |
|                             | Diameter: not over 76 in., not under 70 in.                                                                                                                                                                                   |                        |                   |      |                   |
| C.G. Range                  | (+10.9) to (+19.5)                                                                                                                                                                                                            |                        |                   |      |                   |
| Empty wt.                   |                                                                                                                                                                                                                               |                        |                   |      |                   |
| C.G. Range                  | (+13.6) to (+15.7) not valid when item 106(a) installed. When empty weight C.G. falls within this range, it is not necessary to compute critical fore and aft C.G. positions. This range valid for standard arrangement only. |                        |                   |      |                   |
| Maximum Weight              | 1320 lb.                                                                                                                                                                                                                      |                        |                   |      |                   |
| No. of Seats                | 2 (1 at +11.5, 1 at +42)                                                                                                                                                                                                      |                        |                   |      |                   |
| Maximum Baggage             | 40 lbs. at +64. See NOTE 2 for baggage placard.                                                                                                                                                                               |                        |                   |      |                   |
| Fuel Capacity               | 13 gal. at -15.                                                                                                                                                                                                               |                        |                   |      |                   |
| Oil Capacity                | 4 qt. at -33.                                                                                                                                                                                                                 |                        |                   |      |                   |
| Control Surface Movements   | Elevator                                                                                                                                                                                                                      | Up                     | 25 <sup>0</sup>   | Down | 15.5 <sup>0</sup> |
|                             | Elevator Trim Tab                                                                                                                                                                                                             | Up                     | 20 <sup>0</sup>   | Down | 34.5 <sup>0</sup> |
|                             | Ailerons                                                                                                                                                                                                                      | Up                     | 28.5 <sup>0</sup> | Down | 18 <sup>0</sup>   |
|                             | Rudder                                                                                                                                                                                                                        | Right                  | 24 <sup>0</sup>   | Left | 25 <sup>0</sup>   |
| Serial Nos. Eligible        | 7AC-1 and up.                                                                                                                                                                                                                 |                        |                   |      |                   |
| Required Equipment          | Items 1, 101, 102, 204(a) or (b), 205(a), 205(c)                                                                                                                                                                              |                        |                   |      |                   |

III - Model 7BCM (Army L-16A), 2 PCLM (Normal Category), Approved September 16, 1947

Same as 7AC except for powerplant installation. See NOTE 4 for conversion from Model 7AC.

|                                  |                                                                                                                                                                              |                        |           |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|
| Engine                           | Continental C-85-8, -8F, -8J or -8FJ                                                                                                                                         |                        |           |
| Fuel                             | 80 minimum grade aviation gasoline                                                                                                                                           |                        |           |
| Engine Limits                    | For all operations, 2575 r.p.m. (85 hp.)                                                                                                                                     |                        |           |
| Airspeed Limits                  | Level flight or climb                                                                                                                                                        | 95 m.p.h. (83 knots)   | True Ind. |
|                                  | Glide or dive                                                                                                                                                                | 129 m.p.h. (112 knots) | True Ind. |
| Propeller Limits                 | Static rpm at maximum permissible throttle setting:                                                                                                                          |                        |           |
| (For fixed pitch wood propeller) | Not over 2450, not under 2200. No additional tolerance permitted.                                                                                                            |                        |           |
|                                  | Diameter: not over 72 in., not under 70 in.                                                                                                                                  |                        |           |
| C.G. Range                       | (+10.4) to (+19.7)                                                                                                                                                           |                        |           |
| Empty wt.                        |                                                                                                                                                                              |                        |           |
| C.G. Range                       | (+13.2) to (+15.5) valid only for standard arrangement. When empty weight C.G. falls within this range, it is not necessary to compute critical fore and aft C.G. positions. |                        |           |
| Maximum Weight                   | 1220 lb.                                                                                                                                                                     |                        |           |
| No. of Seats                     | 2 (1 at +11.5, 1 at +42). Placard: "Solo from front seat only."                                                                                                              |                        |           |
| Maximum Baggage                  | 50 lbs. at +64.                                                                                                                                                              |                        |           |

|                            |                                                                                 |       |                   |      |                   |
|----------------------------|---------------------------------------------------------------------------------|-------|-------------------|------|-------------------|
| Fuel Capacity              | 13 gal. at -15.                                                                 |       |                   |      |                   |
| Oil Capacity               | 4 qt. at -33.                                                                   |       |                   |      |                   |
| Control Surface Movements  | Elevator                                                                        | Up    | 27 <sup>0</sup>   | Down | 21.5 <sup>0</sup> |
|                            | Elevator Trim Tab                                                               | Up    | 20 <sup>0</sup>   | Down | 34.5 <sup>0</sup> |
|                            | Ailerons                                                                        | Up    | 28.5 <sup>0</sup> | Down | 18 <sup>0</sup>   |
|                            | Rudder                                                                          | Right | 24 <sup>0</sup>   | Left | 25 <sup>0</sup>   |
| Serial Nos. Eligible       | 7BCM-1 and up. Also, see NOTE 5 for military S/N's eligible.                    |       |                   |      |                   |
| Required Equipment (Items) | Carburetor engine: 1, 102, 105, 201, 202.<br>Injector engine: 1, 110, 201, 202. |       |                   |      |                   |

#### IV - Model 7CCM (Army L-16B), 2 PCLM (Normal Category), Approved July 12, 1948

Same as 7BCM except for powerplant installation, increased fin area, auxiliary fuel wing tank and fuselage member changed. See NOTE 4 for conversion from Model 7AC.

|                                  |                                                                                                                                                                                                                                  |                        |                   |                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------|------------------------|
| Engine                           | Continental C90-8F or C90-8FJ                                                                                                                                                                                                    |                        |                   |                        |
| Fuel                             | 80 minimum grade aviation gasoline                                                                                                                                                                                               |                        |                   |                        |
| Engine Limits                    | For all operations, 2475 r.p.m. (90 hp.)                                                                                                                                                                                         |                        |                   |                        |
| Airspeed Limits                  | Level flight or climb                                                                                                                                                                                                            | 100 m.p.h. ( 87 knots) | True Ind.         |                        |
|                                  | Glide or dive                                                                                                                                                                                                                    | 135 m.p.h. (117 knots) | True Ind.         |                        |
| Propeller Limits                 | Static rpm at maximum permissible throttle setting:                                                                                                                                                                              |                        |                   |                        |
| (For fixed pitch wood propeller) | Not over 2410, not under 2170. No additional tolerance permitted.                                                                                                                                                                |                        |                   |                        |
|                                  | Diameter: not over 72 in., not under 70 in.                                                                                                                                                                                      |                        |                   |                        |
| C.G. Range                       | (+16.8) to (+20.0) at 1300 lb.                                                                                                                                                                                                   |                        |                   |                        |
|                                  | (+10.0) to (+20.0) at 1087 lb. or less                                                                                                                                                                                           |                        |                   |                        |
|                                  | Straight line variation between points given.                                                                                                                                                                                    |                        |                   |                        |
| Empty wt.                        |                                                                                                                                                                                                                                  |                        |                   |                        |
| C.G. Range                       | None                                                                                                                                                                                                                             |                        |                   |                        |
| Maximum Weight                   | 1300 lb. May be increased to 1350 lb. when "Long Stroke Oleo Landing Gear", Aeronca P/N 3-665, installed and placard, "Intentional spinning prohibited when baggage carried", Aeronca P/N 1-2929, installed on instrument panel. |                        |                   |                        |
|                                  | C.G. range at 1350 lb. is as follows:                                                                                                                                                                                            |                        |                   |                        |
|                                  | (+16.8) to (+20.4) at 1350 lb.                                                                                                                                                                                                   |                        |                   |                        |
|                                  | (+10.0) to (+20.4) at 1087 lb. or less                                                                                                                                                                                           |                        |                   |                        |
|                                  | Straight line variation between points given.                                                                                                                                                                                    |                        |                   |                        |
| No. of Seats                     | 2 (1 at +11.5, 1 at +42). Placard: "Solo from front seat only."                                                                                                                                                                  |                        |                   |                        |
| Maximum Baggage                  | 50 lbs. at +64.                                                                                                                                                                                                                  |                        |                   |                        |
| Fuel Capacity                    | 18.5 gal. (13 gal. at -15, 5.5 gal. at +24).                                                                                                                                                                                     |                        |                   |                        |
| Oil Capacity                     | 5 qt. at -33.                                                                                                                                                                                                                    |                        |                   |                        |
| Control Surface Movements        | Elevator                                                                                                                                                                                                                         | Up                     | 24 <sup>0</sup>   | Down 24 <sup>0</sup>   |
|                                  | Elevator Trim Tab                                                                                                                                                                                                                | Up                     | 17.5 <sup>0</sup> | Down 37.5 <sup>0</sup> |
|                                  | Ailerons                                                                                                                                                                                                                         | Up                     | 28.5 <sup>0</sup> | Down 18 <sup>0</sup>   |
|                                  | Rudder                                                                                                                                                                                                                           | Right                  | 25 <sup>0</sup>   | Left 25 <sup>0</sup>   |
| Serial Nos. Eligible             | 7CCM-1 and up. Also, see NOTE 5 for military S/N's eligible.                                                                                                                                                                     |                        |                   |                        |
| Required Equipment (Items)       | With Continental C90-8F engine: 1, 102, 105, 106, 109, 201, 202.                                                                                                                                                                 |                        |                   |                        |
|                                  | With Continental C90-8FJ engine: 1, 106, 110, 201, 202.                                                                                                                                                                          |                        |                   |                        |

#### V - Model 7DC, 2 PCLM (Normal Category), Approved July 12, 1948

Same as 7CCM except for powerplant installation. See NOTE 4 for conversion from Model 7AC.

|                                                      |                                                                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engine                                               | Continental C-85-8, -8F, -8J, or -8FJ                                                                                                                                   |
| Fuel                                                 | 80 minimum grade aviation gasoline                                                                                                                                      |
| Engine Limits                                        | For all operations, 2575 r.p.m. (85 hp.)                                                                                                                                |
| Airspeed Limits                                      | Level flight or climb 100 m.p.h. ( 87 knots) True Ind.<br>Glide or dive 135 m.p.h. (117 knots) True Ind.                                                                |
| Propeller Limits<br>(For fixed pitch wood propeller) | Static rpm at maximum permissible throttle setting:<br>Not over 2465, not under 2300. No additional tolerance permitted.<br>Diameter: not over 72 in., not under 70 in. |