## DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

1A11 Revision 1 CONTINENTAL FA-III (Airphibian)

March 18, 1975

## AIRCRAFT SPECIFICATION NO. 1A11

Type Certificate Holder

Taylorcraft Inc. Connellsville, PA. 15425

## I - Model FA-III (Airphibian), 2 PCLM (Normal Category), Approved August 18, 1953

Engine	Franklin 6A4-165-B3 (Modified in accordance with Continental, Inc., Dwg. No. D-3-P3500)				
Fuel	80 minimum octane aviation gasoline				
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Engine limits	For all operations, 2800 rpm (165 hp) (with item 1 propeller)				
Airspeed limit	Maneuvering	107 mph ( 93 1	knots)		
(CAS)	Max. structural cruising	113 mph ( 98 1	113 mph ( 98 knots)		
	Never exceed	143 mph (124	knots)		
C.G. range	(+70.1) to (+73.7)				
Empty weight C.G. range	None				
Datum	Front face of crankshaft propeller flange				
Leveling means	Leveling lugs under floor on bulkheads 3 and 4 (Bulkhead 3 for lateral leveling,				
	bulkhead 4 to diagonal tube at rear spar for longitudinal leveling)				
Maximum weight	2100 lb.				
No. seats	2 (+84)				
Maximum baggage	68 lb. (+103)				
Fuel capacity	33 gal. (+110)				
Oil capacity	2 gal. (+15)				
Control surface movements	Elevator Up	33° Down	5.5°		
	Aileron Up	18° Down	9°		
	Rudder Left	15° Right	15°		
Serial Nos. eligible	FA-III-101 and up				
Required equipment	Items 1, 201(a), 202(a), 205(a), 206(a), 302, 401				
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Certification basisType Certificate No. 1A11 (CAR 3, Nov. 1, 1949 and Amendments 3-1 to<br/>3-6 Normal Category)Production basisNone.

## EQUIPMENT:

Propellers and Propeller Accessories

 1. Propeller - Sensenich 73 FG-44 or any other two-bladed fixed-pitch
 22 lb. (-3.5)

 wood propeller eligible for the engine power and speed which meets
 21 lb. (-3.5)

 the following limits:
 Static rpm at maximum permissible throttle setting:

 Not over 2500, not under 2400.
 No additional tolerance permitted.

Diameter: Not over 73 in., not under 71.5 in.

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2.	2. Propeller - three-bladed fixed-pitch wood	
	(a) Sensenich 3-70-CG-50	24 lb.
or	(b) Sensenich 3-73-KG-42	27 lb.
	Static rpm at maximum permissible throttle setting:	
	Not over 2200, not under 2100.	
	No additional tolerance permitted.	
	Diameter: Not over 73 in., not under 68.5 in.	
	Engine limits:	
	Take-off and climb, 2800 rpm (165 hp)	
	All other operations, 2600 rpm (150 hp)	
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	ng Gear	1611 (100.5)
201.	Two main wheel-brake assemblies, 6.00-6, Type III,	16 lb. (+98.5)
	(a) Goodyear Model L6HMBD	
	Wheel Assembly #9520017	
202	Brake Assembly #9530705	17 lb (109 5)
202.	(a) Two main wheel 4-ply rating tires, 6.00-6, Type III, with	17 lb. (+98.5)
205.	regular tubes Two nose wheels, 6.00-6, Type III (Modified in accordance with	
205.	Continental, Inc., Dwg. No. B-2-L98)	
	(a) Goodyear Model CL6HBM	30 lb. (+27)
	Wheel Assembly #9530381 RH #9530382 LH	30 10. (+27)
	(Brake assembly #9530368 also installed is inoperative in	
	airplane configuration)	
206.	(a) Two nose wheel 4-ply rating tires, 6.00-6, Type III, with regular tubes	17 lb. (+27)
200.	(a) I wo nose wheel +-pry rating thes, 0.00-0, Type III, with regular tubes	1710. (127)
Electr	ical Equipment	
301.	Battery Reading R-33 12V	27 lb. (+94.5)
302.	Stall warning indicator	1 lb. (+55.5)
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Interior Equipment

401. CAA Approved Airplane Flight Manual dated August 18, 1953.

NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter (except in the case of air carrier operators having an approved weight control system).

NOTE 2. The following placards must be displayed on the instrument panel in full view of the pilot:

- (a) "This airplane must be operated in Normal Category in accordance with the Approved Airplane Flight Manual. Acrobatics (including spins) prohibited."
- (b) "In flight do not rotate aileron control more than 90° from neutral."
- (c) "Fuel shutoff valve and gascolator located under floor below this placard."

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