

Oil Capacity	5 qt. at -33.				
Control Surface Movements	Elevator	Up	24 ⁰	Down	24 ⁰
	Elevator Trim Tab	Up	17.5 ⁰	Down	37.5 ⁰
	Ailerons	Up	28.5 ⁰	Down	18 ⁰
	Rudder	Right	25 ⁰	Left	25 ⁰
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, 204(b), 205(a), 205(c).			
	With Continental C90-8FJ engine:	1, 106, 110, 204(b), 205(a), 205(c).			

VIII - Model 7EC, 2 PCLM (Normal Category), Approved November 30, 1949

See Note 8 for conversion from Model 7JC.

Engine	Continental C90-12F or C90-12FJ				
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 (For fixed pitch wood propeller)	Static rpm at maximum permissible throttle setting: Not over 2350, not under 2125. No additional tolerance permitted. Diameter: not over 72 in., not under 70 in.				
C.G. Range	(+15.0) to (+19.2) at 1450 lb. (+10.2) to (+19.2) at 1190 lb. or less Straight line variation between points given. Placard: "Intentional spinning prohibited when carrying baggage."				
Empty wt.					
C.G. Range	None				
Maximum Weight	1450 lb. 1300 lb. (If lower end landing gear oleo strut assembly, Aeronca dwg. 3-433, is installed). C.G. range at 1300 lb. is as follows: (+16.8) to (+19.2) at 1300 lb. (+10.2) to (+19.2) at 1100 lb. or less Straight line variation between points given. 1500 lb. (S/N's 7EC-705 and up eligible) C.G. range at 1500 lb. is as follows: (+15.0) to (+19.2) at 1500 lb. (+10.2) to (+19.2) at 1190 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). See item 116 for optional fuel systems.				
Oil Capacity	5 qt. at -33.				
Control Surface Movements	Elevator	Up	24 ⁰	Down	24 ⁰
	Elevator Trim Tab	Up	17.5 ⁰	Down	37.5 ⁰
	Ailerons	Up	28.5 ⁰	Down	18 ⁰
	Rudder	Right	25 ⁰	Left	25 ⁰
Serial Nos. Eligible	1 and up.				
Required Equipment (Items)	With Continental C90-12F engine:	1, 102, 105, 109, 201, 202.			
	With Continental C90-12FJ engine:	1, 106, 110, 201, 202.			

IX - Model S7EC, 2 PCSM (Normal Category), Approved May 12, 1950

Same as 7EC except for increase in maximum weight, float and auxiliary ventral fin installation.

Engine	Continental C90-12F or C90-12FJ			
Fuel	80 minimum grade aviation gasoline			
Engine Limits	For all operations, 2475 r.p.m. (90 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 I nd.	