

MODELS: Stinson SR-6 Series

T.C. NUMBER: ATC 580

I - SPECIFICATIONS PERTINENT TO ALL MODELS

Placard speeds	Level flight or climb - 144 mph True Ind. Glide or dive - 195 mph True Ind. Flaps extended - 122 mph True Ind.
Fuel	50 gallons (one 25 gallon tank in each wing)
Oil	4 gallons
C.G. limits	(+18.3) and (+26.8)
Specification basis	Approved Type Certificate No. 580
Serial numbers	9601 and up manufactured prior to 9/30/39 eligible. Approval expired as of that date.

EQUIPMENT: (Datum is wing leading edge) (* Means net increase)

Class I:

101. Wing flaps (extending from fuselage
to aileron) and rudder tab

102.	Starter (direct electric)	20 lbs.
103.	Battery (aft of baggage)	36 lbs.
104.	(Now Class III)	
105.	Engine ring cowl	26 lbs.
106.	Leather upholstery	
107.	Heater	3 lbs.
108.	Hammock type rear seats	
109.	7.50-10 wheels (Goodyear 10HMB or 10 MBM) with 8.50-10 tires	
110.	10.5 in. streamline tail wheel (Goodyear)	

Class II:

200.	Miscellaneous items as noted in approved weight and balance report.	
201.	Propeller - controllable metal	
	(a) Hamilton Standard hub 2B20, blades 6109A-9 (Eligible on model SR-6B only)	
	(b) Hamilton Standard hub 2B20, blades 6109A or 6135A-6 (eligible on SR-6 and SR-6B)	

Class III:

104.	Wheel streamlines	24 lbs.
301.	Flares	17 lbs.
302.	Fog light	3 lbs.
303.	Generator	
	(a) 25 amp.	30 lbs.
	(b) 15 amp.	25 lbs.
304.	Landing lights	
	(a) Ryan, including controls, etc. 14 lbs.)	38 lbs.
	(b) (Grimes, including controls, etc. 8 lbs.)	22 lbs.
305.	Camera hole in cabin floor	4 lbs.
306.	Fire extinguishers	
	(a) Pyrene pressure	15 lbs.
	(b) Lux	23 lbs.
307.	Parachute pilots seat	18 lbs.*
308.	Releasable cabin door	1 lb.*
309.	Puncture proof tire tubes	6 lbs.*
310.	Fuel and oil capacities	
	(a) 75 gallon fuel capacity (one 37-1/2 gallon tank in each wing)	15 lbs.*
	(b) 100 gallon fuel capacity (one 50 gallon tank in each wing)	29 lbs.*
	(c) 5 or 6-1/2 gallon oil tank	No change in weight
311.	Miscellaneous instruments (maximum)	40 lbs.
312.	Metal lining in baggage compartment (reduce baggage 10 lbs. when installed)	12 lbs.
313.	Spring type rear seat (No baggage allowed under rear seat when installed.)	15 lbs.
314.	Skis (use actual weights)	
	(a) Darling 4000	
	(b) Grab and Smith GS-1	

NOTE 1. These models identical except engine and propeller installation (and pertinent weights),

NOTE 2. Five-place airplanes must have:

- (a) Additional safety belt installed on rear passenger seat.
- (b) Baggage compartments (or compartment) placarded as follows unless actual weight and balance shows a lesser restriction necessary:
"No baggage allowed when three passengers are carried on rear seat."

NOTE 3. Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (November 4, 1935)

- (a) Canada
 - Landplane
 - Skiplane - not eligible.
- (b) All other countries except Australia.

NOTE 4. The following placard must be displayed in full view of the pilot:
"ALWAYS CHECK FUEL FLOW AT STRAINER DRAIN BEFORE TAKE-OFF. NEVER FLY ON ONE TANK WHEN FUEL IS LOW."

II - MODEL SR-6, DESIGNATION 4 or 5 PCLM (See NOTE 2)

Engine	Lycoming R-680-B6 or R-680-6
Placard limits	Maximum, except take-off

	-- in.Hg., 2300 rpm (245 hp)
	Take-off (one minute)
	-- in.Hg., 2300 rpm (245 hp)
Propeller	Controllable metal (Lycoming-Smith hub P-220 and Pittsburgh blades B300S0 or 320S0, or Lycoming blades S0200806 or S0220806)
No. passengers	3 or 4 (See NOTE 2)
Baggage	150 lbs. (50 lbs. under rear seats and 100 lbs. in compartment aft of cabin)
Standard weight	3550 lbs.

III - MODEL SR-6A, DESIGNATION 4 PCLM:

Engine	Lycoming R-680-B4 or R-680-4
Placard limits	Maximum, except take-off
	-- in.Hg., 2100 rpm (225 hp)
	Take-off (one minute)
	-- in.Hg., 2100 rpm (225 hp)
Propeller	Adjustable metal (Hamilton Standard 5006, H5131 or 5404 hub, 5B1-6 blades)
No. passengers	3
Baggage	65 lbs. (compartment aft of cabin)
Standard weight	3325 lbs.

IV - MODEL SR-6B, DESIGNATION 4 or 5 PCLM (See NOTE 2)

Engine	Lycoming R-680-B5 or R-680-5
Placard limits	Maximum, except take-off
	-- in.Hg., 2300 rpm (260 hp)
	Take-off (one minute)
	-- in.Hg., 2300 rpm (260 hp)
Propeller	Controllable metal (Lycoming-Smith hub P-221 and Pittsburgh blades B350S1 or Lycoming-Smith hub P-220 and Pittsburgh blades 32080 or Lycoming blades S0200806 or S0220806)
No. passengers	3 or 4 (See NOTE 2)
	150 lbs. (50 lbs. under rear seats and 100 lbs. in compartment aft of cabin)
Standard weight	3550 lbs.

V - MODEL SR-6C, DESIGNATION 4 PCLM

Engine	Lycoming R-680-B2 or R-680-2
Placard limits	Maximum, except take-off
	-- in.Hg., 2000 rpm (240 hp)
	Take-off (one minute)
	-- in.Hg., 2000 rpm (240 hp)
No. passengers	3
Baggage	65 lbs. (compartment aft of cabin)
Standard weight	3325 lbs.