

MODELS: Stinson A, 10 PCLM

T.C. NUMBER: ATC 556

Engines	3 Lycomings R-680-B6 (See NOTE 5)
Placard limits	Maximum, except take-off 2100 rpm (225 hp) Take-off (one minute) 2300 rpm (245 hp)
Placard speeds	Level flight or climb - 202 mph True Ind. Glide or dive - 220 mph True Ind. Flaps extended - 112 mph True Ind.
Placard ceiling (See NOTE 5)	7650 ft. (density altitude) - Any engine inoperative
Fuel	220 gallons (four tanks: two 80 gallon wing tanks with let tank divided 20 and 60, and two 30 gallon tanks in outboard nacelles)
Oil	15 gallons (three 5 gallon tanks) or 12 gallons (three 4 gallon tanks)
No. passengers	8
Baggage	500 lbs. aft in fuselage (Nacelle compartments may may be installed instead of fuel tanks, capacity

Standard weight of each 150 lbs. Maximum total 800 lbs.)
 C.G. limits 10200 lbs. (See NOTE 5)
 Specification basis (+4.6) and (+22.4)
 Serial numbers Approved Type Certificate No. 556
 9102 and up manufactured prior to 9/30/39 eligible.
 Approval expired as of that date. (See NOTES 2
 and 3.)

EQUIPMENT:

(Datum is fuselage station 1 - first station aft of pilot's window and is in line with center line of wing front spar at fuselage) (* Means net increase)

Class I:

101.	Three engine ring cowls	78 lbs.
102.	Wheel mud guards	10 lbs.
103.	Two landing lights	18 lbs.
104.	Three starters	60 lbs.
105.	Generator	20 lbs.
106.	Toilet compartment	40 lbs.
107.	Water container and water	14 lbs.
108.	Hot air heating system	9 lbs.
109.	Radio (two-way and additional receiver) (includes bonding and shielding)	174 lbs.
110.	Battery (under pilot's compartment)	63 lbs.
111.	Flares (one 3-minute and three 1-1/2 minute)	37 lbs.
112.	36x15-6 wheels (Goodyear with Bendix power brakes) and 35x16-6 Heavy Duty tires (wheels must be placarded for these tires)	
113.	12x5-3 tail wheel (Goodyear) with extra heavy duty tire (Wheel must be placarded for extra heavy duty tire.)	
114.	Delco-Remy retracting motor unit (including transmission) for landing gear and wing flaps with emergency hand crank for both flaps and gear	
115.	Propellers - controllible metal (Lycoming Smith P-220 hub and Pittsburgh B300SO blades) (See NOTES 4 and 5)	

Class II:

200. Miscellaneous items as noted in approved Weight and Balance Report

Class III:

301. Heavier gage fuel tanks 74 gallon capacity (replacing 80 gallon tanks)

NOTE 1. Weight and Balance Report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be submitted for each aircraft with original inspector's report and each subsequent report covering changes in such equipment.

NOTE 2. Serial No. 9100 eligible as 9 PCLM with the following:

Fuel	160 gallons (two at 80 gallons)
Oil	12 gallons
No. passengers	8
Baggage	800 lbs. (aft in fuselage 500 lbs. and nacelle compartments 150 lbs. each)

EQUIPMENT:

Class I except - radio (two-way, replaces co-pilot) 157 lbs., landing lights 26 lbs., 3 starters 78 lbs., 25 amp. generator 30 lbs.

NOTE 3. Serial number 9101 designated as EXECUTIVE MODEL A eligible as 7 PCLM with the following:

Fuel	220 gallons
Oil	15 gallons
No. passengers	5
Baggage	400 lbs. (aft in fuselage) (Compartment must be placarded for reduction to 230 lbs. when berth is occupied.)

EQUIPMENT:

Class I except - radio (W.E. 208A two-way and motorola receiver) 205 lbs., berth, 4 swivel chairs, one fixed chair, card table and desk, cabin air-

speed and altimeter, rug 46 lbs., entrance ladder 8 lbs., baggage compartment under berth.

NOTE 4.

- (a) Propellers (Item 115) must have the following settings (include both settings):
Center - 11.4 degrees and 15.4 degrees
Outboard - 11.7 degrees and 15.7 degrees.
- (b) Blades of serial numbers 3271 and up ONLY are eligible on this model.

NOTE 5. Also eligible with the following engine-propeller combinations:

- (a) Engines 3 Lycomings R-680-B2
Placard limits For all operations, 2000 rpm (240 hp)
Propellers Adjustable metal, Hamilton Standard with 5B1-9 or 5B1-10 blades 79 lbs. each.
Diameter 8'3" maximum, 8'1" minimum (low pitch settings - center 14.8 degrees, outboard 15.2 degrees)
Placard ceiling Not determined
Standard weight 9950 lbs.
- (b) Engines 3 Lycomings R-650-B5
Placard limits Maximum, except take-off
2000 rpm (240 hp)
Take-off (one minute)
2300 rpm (260 hp)
Propellers Hamilton Standard hubs 2B20, blades 6109A-9 or 6109A-10. Diameter 8'3-1/8" maximum, 8'7/8" minimum, 105 lbs. each plus 10 lbs. each for controls (low pitch setting 14 degrees).
Placard ceiling 5000 ft. density altitude - any engine inoperative

NOTE 6. Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook (2/13/36):

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

NOTE 7. Also eligible with deflector tab installed on the outboard flaps (two per airplane). No change in weights.