

MODELS: Timm PT-220-C, 2 POLM

T.C. NUMBER: 750 (Approved 4/28/42)

Engine	Continental W-670-6A or W-670-6N
Fuel	65 minimum octane aviation gasoline
Engine limits	For all operations, 2075 rpm (220 hp)
Airspeed limits	Level flight or climb - 160 mph True Ind. Glide or dive - 205 mph True Ind. Flaps extended - 108 mph True Ind. (Front face of Airspeed Calibration ring on pitot tube must be 4-5/8 inches aft of nose of pitot tube)
Propeller limits (with Item 101)	Static rpm at maximum permissible throttle setting - not more than 2870 - not less than 1770 No additional tolerance permitted. Diameter - not more than 98 inches - not less than 96 inches
C.G. range	(+49.2) to (+52.2)
Datum	Front face of the firewall
Leveling means	Lugs inside baggage compartment
Maximum weight	2725 lbs.
No. seats	2 (one at +43.5 and one at +96.5)
Maximum baggage	20 lbs. (+126.5)
Fuel capacity	42 gallons (+62.5)
Cil capacity	3-3/4 gallons (-4)
Control surface movement	Elevators - Up 24 degrees; down 30 degrees Rudder - right and left 16 degrees from centerline Ailerons - Up 17 degrees; down 13 degrees
Serial numbers eligible	111, 114 and up (See NOTE A)
Required equipment	Items 101, 102, 103 and 104

SPECIFICATIONS PERTINENT TO ALL MODELS:

Certification basis	Type Certificate No. 750 (CAR 4a)
Production basis	None (See NOTE A)
Export eligibility	Eligible for export as follows, subject to provisions of MOP 2-4: (a) Canada - Landplane - eligible. - Skiplane - not eligible. (b) All other countries except Australia, Great Britain and New Zealand.

EQUIPMENT:

Propellers and Propeller Accessories

101. Propeller - fixed pitch wood
Index propeller in 90 degree position
(blades at right angles to crankthrow)

202. Propeller - Fahlin Model D-760-68 (94)
Index propeller in 90 degree position
(blades at right angles to crankthrow)
(Propeller limits under Part I, above,
do not apply to this propeller.) 27 lbs. (-37)

Engines and Engine Accessories - Fuel and Oil System

104. Carburetor air heater (Timm 2-34019) 4 lbs. (-10.5)
201. Starter - hand inertia (Bendix series 6) 19 lbs. (-10)

Landing Gear

102. 7.00-8 wheels and brakes (Shinn 8C1YFB)
with tires and tubes 66 lbs. (+33)
103. Steerable tail wheel (Shinn B0200)
with tires and tube (+213)

NOTE 1. Placard airplane: "Intentional spins prohibited with flaps extended."

NOTE A. Each aircraft manufactured after 1/5/44 must, prior to original certification, satisfactorily pass:

- (a) An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied. All woodwork may be varnished.
- (b) A final inspection of the completed aircraft.
- (c) A check of flight characteristics.