

GENERAL AIRCRAFT CORPORATION

MODELS: General G1-80, 2 PCLM

T.C. NUMBER: 742, Approved 7/21/41

Engine	Lycoming GO-145-C2
Engine limits	For all operations, 3200 rpm (75 hp)
Propeller	Static rpm (engine) at maximum permissible throttle setting: Not over 2775, not under 2775 Diameter: Not over 77 in., not under 75 in.
Airspeed limits	Level flight or climb - 110 mph True Ind. Glide or dive - 144 mph True Ind. Flaps extended - 80 mph True Ind.
Fuel capacity	20 gallons (two wing tanks, 10 gallons each) (+27)
Oil capacity	5 quarts (-42)
No. passengers	1 (+17) (Pilot (+17))
Baggage	40 lbs. (+35)
Maximum weight	1350 lbs.
C.G. range	(+14.0) (29.2 percent MAC) and (+18.3) (38 percent MAC) (See NOTE 2)
MAC	48 in. L.E. MAC (0)
Datum	Leading edge of the wing
Cert. basis	Type Certificate No. 742
Production basis	None. Prior to original certification of each aircraft manufactured subsequent to 2/9/43, a FAA representa- tive must perform a detailed inspection for workman- ship, materials and conformity with the approved technical data and a check of the flight character- istics. Aircraft of this model built by Grand Rapids Industries, Inc., Grand Rapids, Michigan, are also eligible subject to the same provisions.
Serial Nos.	1 and up eligible
Export eligibility	Eligible for export to all countries subject to the provisions of MOP 2-4, except as follows: Canada - Landplane - eligible. - Skiplane - not eligible

Required Equipment:

101.	Propeller - wood (fixed or adj. pitch)	13 lbs.	(-60)
102.	6.00-6 rear wheels with brakes (Shinn 6C4WB) and two-ply tires	29 lbs.	(+33)
103.	6.00-6 front wheel (Shinn 6C3) with 2-ply tire	12 lbs.	(-43)

Optional Equipment:

301.	Dual control	7 lbs.	(-12)
302.	Parking brake	Neglect weight	

NOTE 1. Placards required:

- (a) On the instrument panel in full view of the pilot:
"This aircraft characteristically incapable of spinning."
- (b) Fuel tank selector valve must be placarded to use one tank
at a time.

NOTE 2. Ailerons may be rigged either neutral or one inch up at the trailing edge.