

MODELS: Piper Glider TG-8 (Army TG-8, Navy XLNP-1), 3 PCLM

T.C. NUMBER: GTC 10 (Approved 8/19/42)

Type	Class II
Airspeed limits	Glide or dive - 122 mph True Ind. Airplane tow - 122 mph True Ind. Spoilers open - 122 mph True Ind. Auto-winch tow - Not authorized
C.G. range	(+13.5) to (+22.5)
Datum	Leading edge of wing
Leveling means	Lugs at sliding window on left longeron
Maximum weight	1160 lbs.
Number seats	3 (1 at (+9), 1 at (+36), and pilot at (-26)) (See NOTE 1.)
Maximum baggage	20 lbs. (+49)
Control surface movement	Elevator Up 34 degrees Down 29 degrees Aileron Up 18 degrees Down 18 degrees Rudder Right 30 degrees Left 30 degrees Stabilizer Up 2.5 degrees Down 4 degrees Spoilers Up 50 degrees Down 0 degrees
Serial numbers eligible	G-1 and up (See NOTE A)
Required equipment	Items 101, 102 and 103

SPECIFICATIONS PERTINENT TO ALL MODELS:

Certification basis	Glider Type Certificate No. 10 (CAR 5)
Production basis	None (See NOTE A)

EQUIPMENT:

Landing Gear

102.	8.00-4 (Hayes 841) wheels with tires and expander tube brakes	32 lbs.	(+3)
103.	6x2.00 steerable tail wheel (Scott Aviation Corp. Model CST-12) with solid tire	7 lbs.	(+193)

Electrical Equipment

301.	Battery - Reading 324LD (with box)	16 lbs.	(+20)
302.	Position lights	3 lbs.	(+79)

Interior Equipment

101.	Airspeed indicator	1 lb.	(-44)
303.	Extra instruments		
	(a) Front instrument panel	1.5 lbs.	(-44)
	(b) Middle instrument panel	2.5 lbs.	(-9)
304.	Parachutes		
	(a) Front seat	20 lbs.	(-26)
	(b) Middle seat	20 lbs.	(+9)
	(c) Rear seat	20 lbs.	(+36)

NOTE A. Each glider manufactured for civil use subsequent to 3/20/45 must, prior to original certification, satisfactorily pass:

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

NOTE 1. The following placards must be installed in full view of the pilot:

- (1) "Solo flight from front seat only.
Minimum weight pilot and chute 145 lbs."
- (2) "2nd person must use middle seat."
- (3) "Auto-winch tow prohibited."
- (4) "Instrument flight prohibited."

NOTE 2. Army TG-8 gliders having serial numbers G-1 and up are eligible for certification as J3 series airplanes under the provisions of the pertinent Aircraft Specifications, provided they are converted to J3 series airplanes and are in conformity with the approved Piper data. Conversion procedure is given in Safety Regulation Release No. 186.