

MODELS: Grumman G-32 and G-32A (Army UC-103), 2 PCLB

T.C. NUMBER: 2-544

I - Specifications Pertinent to Both Models

Airspeed limits (T.I.A.S)	Level flight or climb - 240 mph Glide or dive - 331 mph Flaps extended - 135 mph
Oil capacity	12 gallons maximum (-20) (9 gallons carried when reserve fuel not in use)
No. passengers	1 (+80)
Baggage	30 lbs. aft of rear cockpit
C.G. limits	(-7.6) and (-0.5)
Cert. basis	CAR 04.031

EQUIPMENT:

(Datum is lower wing leading edge.)

Class I:

101. Propeller - Hamilton Standard hub 3D40, blades 6101A-12 to 6101A-14, inclusive. Diameter 9'0" maximum, 8'10" minimum.	246 lbs.	(-63)
102. Battery (Reading 36 amp. hr.) and box	32 lbs.	(+12)
103. Generator (Eclipse D-1)	26 lbs.	(-32)
104. Autofan tail wheel with 10.5 in. streamline 6-ply tire		
105. Radio equipment	57 lbs.	(+48)
106. Oil radiator (U.A.P. U-3190)	24 lbs.	(-30)
107. Pressure fire extinguisher (Lux 5 lbs. CO-2) (See Sections II and III)		

Class II:

201. Landing light (Adams Westlake A6A)	8 lbs.	(-2)
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II - Model G-32

Engine	Wright Cyclone R-1820G-2
Fuel	87 minimum octane aviation gasoline
Engine limits	Maximum continuous (S.L.) 34.5 in. Hg., 2100 rpm (820 hp) (Straight line manifold pressure variation with altitude to 5800 ft.) 34.5 in. Hg., 2100 rpm (850 hp) Takeoff (one minute) 40.0 in. Hg., 2200 rpm (1000 hp)

Fuel capacity 150 gallons maximum, main 83 gallons (-6),
 auxiliary 47 gallons (+15), reserve 20
 gallons (+38)
 Standard weight 4663 lbs.
 Serial Nos. 446 only eligible

Class I equipment (continued)

111. Starter (Federal Cartridge Type L) 41 lbs. (-28)
 112. 8.50-10 wheels (Hayes 851A) with
 8.50-10 6-ply tires (wheels must be
 placarded for these tires) 90 lbs.

III - Model G-32A (UC-103)

Engine Wright Cyclone SR-1820F-52 or military R-1820-22
 (See NOTE 1)
 Fuel 87 minimum octane aviation gasoline
 Engine limits SR-1820F-52
 Maximum continuous
 (S.L.) 34.5 in. Hg., 2100 rpm (745 hp)
 (Straight line manifold pressure variation with
 altitude to 5800 ft.) 34.5 in. Hg., 2100 rpm
 (775 hp)
 Takeoff (one minute)
 39.0 in. Hg., 2200 rpm (890 hp)
 R-1820-22
 Maximum continuous
 (S.L.) 35.7 in. Hg., 2100 rpm (850 hp)
 (Straight line manifold pressure variation with
 altitude to 6000 ft.) 34.0 in. Hg., 2100 rpm
 (850 hp)
 Takeoff (one minute)
 41.0 in. Hg., 2200 rpm (1000 hp)
 Fuel capacity 130 gallons maximum: main 83 gallons (-6),
 auxiliary 47 gallons (+15)
 Standard weight 4372 lbs. (with SR-1820F-52 engine)
 4663 lbs. (with R-1820-22 engine)
 Serial Nos. 447 only eligible

Class I equipment (continued)

121. Starter (Eclipse E-160) 39 lbs.
 122. 26x6 wheels (Bendix) with 26x6 6-ply
 tires (wheels must be placarded for
 these tires) 86 lbs.

NOTE 1. Eligible for certification with the R-1820-22 engine provided the
 two-speed blower controls are removed and the blower speed control lever
 on the engine is locked in the "low blower" position.