

MODELS: Superior Culver LAR, 1 PCLM

T.C. NUMBER: 2-559

Engine	Franklin 4AC-176-FS
Engines	For all operations, 2500 rpm (80 hp)
Propeller	Static rpm at maximum permissible throttle setting - not more than - not less than No additional tolerance permitted.
	Diameter - not more than 70-7/8 inches, not less than 68 inches.
Airspeed limits	Level flight or climb - 145 mph True Ind. Glide or dive - 175 mph True Ind.
Fuel capacity	12 gallons (-3)
Oil capacity	5 quarts (-24)
No. passengers	None (pilot at (+25))
Baggage	None
Maximum weight	1305 lbs.
C.G. limits	(+15.4) and (+16.0)
Leveling means	Use plumb line from upper rear engine mount attaching bolt to reference mark on bottom longeron.
Specification basis	CAR 4.031
Serial numbers	L101AR only eligible

EQUIPMENT:

(Datum is leading edge of wing at fuselage which is 18 inches forward of wing attachment fitting centerline) (* Means net increase)

Class I:

101.	Propeller - wood (fixed or adjustable pitch) with hub	15 lbs.	(-42)
102.	Carburetor air heater	1 lb.	(-28)
103.	5.00-4 main wheels (Hayes 451-M with E.T. brakes)	10 lbs.	(+28)
104.	5.00-4 nose wheel (Hayes 450-M)	3 lbs.	(-26)
105.	6-ply tires and tubes (main wheels)	13 lbs.	(+28)
106.	6-ply tire and tube (nose wheel)	7 lbs.	(-26)

Class II:

201.	Starter (Auto-Lite)	15 lbs.	(-18)
202.	Generator (2) (Auto-Lite)	24 lbs.	(-17)
203.	Battery	51 lbs.	(+42)
204.	Vacuum pump	4 lbs.	(-19)
205.	Hydraulic pump	3 lbs.	(-19)

NOTE 1. 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.