

VEGA AIRCRAFT CORPORATION

MODELS: Vega 35-67 and 35-70, 2 POLM

T.C. NUMBER: 741

I - SPECIFICATIONS PERTINENT TO BOTH MODELS

Fuel capacity	25 gallons (+9)
No. passengers	1 (+89) or (+40)
Baggage	50 lbs. (+112) maximum (when metal compartment per Drawing 09020 is installed) (See NOTE 3)
Standard weight	1891 lbs.
C.G. limits	(+34.5) (15.9 percent MAC) and (+44.4) (32.2 percent MAC)
MAC	60.87 inches L.E. MAC (+24.8)
Leveling means	Use leveling lugs on side of fuselage left and aft of rear cockpit
Specification basis	Type Certificate No. 741
Serial numbers	2002 and 101 and up eligible (See NOTE A)

EQUIPMENT:

(Datum is front face of the firewall) (* Denotes net increase)

Class I:

101.	Propeller - wood (fixed pitch) and hub	22 lbs.	(-47)
102.	3 inch wheels (Goodyear) with 4 inch disc brakes, 18x8-3 H.D. tires and tubes	35 lbs.	(+23)
103.	Two main landing gear shock struts (Vega Drawing 35-00144)		
104.	8 inch smooth contour tail wheel (Shinn) with tire (free swiveling)	3 lbs.	(+223)

Class II:

200. Miscellaneous items as listed under this number on approved weight and balance report.
201. (a) Hand starter (Eclipse Type 4H4, Model 2234) 9 lbs. (-6)
 (b) Starter crank and extension 5 lbs. (-105)
202. Baggage compartment (cloth) 40 lbs. capacity (Drawing number 09009) (replaces 50 lb. metal compartment) 2 lbs. (+111)

Class III:
 None.

NOTE A. Prior to original certification, each aircraft must 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.

NOTE 1. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook:

- (a) Canada
 - Landplane
 - Skiplane - not eligible.
 (b) All other countries except Australia, Great Britain, and New Zealand.

NOTE 2. The following placard shall be displayed in each cockpit:
 "Intentional spins prohibited with flaps extended."

NOTE 3. Weight and balance report must be submitted for each aircraft with original inspector's report and each subsequent report covering a change in Class I or Class II equipment. Loading instructions when necessary must be included in the Aircraft Operation Record and the baggage compartment must be placarded accordingly.

II - MODEL 35-70, 2 POLM

Engine	Menasco Pirate D4 (with Strombert NA-R4D downdraft carburetor, 1-7/16 inch venturi)
Placard limits	For all operations, 2175 rpm (125 hp)
Propeller	Static rpm at maximum permissible throttle setting - not more than 1900 - not less than 1900. Diameter - not more than 84 inches - not less than 81 inches
Placard speeds	Level flight or climb - 137 mph True Ind. Glide or dive - 183 mph True Ind. Flaps extended - 87 mph True Ind.
Oil capacity	2-3/4 gallons (-2)

III - MODEL 35-67, 2 POLM

Engine	Menasco Pirate D4B
Placard limits	For all operations, 2300 rpm (160 hp)
Propeller	Static rpm at maximum permissible setting - not more than 2130 - not less than 2130 Diameter - not more than 82 inches - not less than 80 inches
Placard speeds	Level flight or climb - 140 mph True Ind. Glide or dive - 189 mph True Ind. Flaps extended - 87 mph True Ind.
Oil capacity	2-3/4 gallons (-2)