

STEWART AIRCRAFT INDUSTRIES, INC.

MODELS: Stewart OW6M (formerly Welch), 2 PCLM

T.C. NUMBER: 636

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| Engine | Aeronca E-113, E-113A, E-113B or E-113C |
| Fuel | 73 minimum octane aviation gasoline |
| Engine limits | For all operations, 2400 rpm (36 hp) |
| Airspeed limits | Level flight or climb - 75 mph True Ind. Glide or dive - 90 mph True Ind. |
| Propeller limits | Maximum permissible diameter 74 inches |
| C.G. range | (+19.9) and (+21.9) |
| Datum | Leading edge of wing |
| Standard weight | 955 lbs. |
| No. seats | 2 |
| Baggage | None |
| Fuel capacity | 9 gallons (two 4-1/2 gallon tanks in wing L.E.) |
| Cil capacity | 3/4 gallon (engine sump) |
| Serial numbers eligible | 112 and up (See NOTE A) |
| Required equipment | 101, 102, 103 |
| Certification basis | Type Certificate No. 636 (Aero. Bulletin 7A requirements) |
| Production basis | None (See NOTE A) |
| Eligible for export | All countries except Great Britain, Canada, Australia and New Zealand. |

EQUIPMENT:

(Items included under "Required equipment" may not be removed unless replaced by approved equivalent items. The effect upon balance of all equipment changes must be computed and the aircraft operation record revised accordingly. Values in inches shown in parenthesis after each item represents horizontal arms to the C.G. of the item measured minus (-) ahead and plus (+) to the rear of the datum. A plus (+) or minus (-) sign preceding the weight of an optional item indicates the net weight change between that item and the equivalent required item.)

Propellers and Propeller Accessories

103. Propeller - wood (fixed or adj. pitch)

Landing Gear and Floats

101. 16x7-3 wheels (Goodyear 3NBA) 12 lbs.

102. 6x2.00 tail wheel

303. Hartman Model "C" (formerly Welch)
cushion wheel -1 lb.

Miscellaneous (not listed above)

200. Miscellaneous items as noted in
approved weight and balance report

301. Parachutes (1 or 2) 20 lbs. each

302. Streamlined lift struts -12 lbs. (approximately)

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) Final inspection of the completed aircraft.

(c) Check of the flight characteristics.

NOTE 1. No aircraft of this model shall be eligible for original certification with single ignition engines after 8/1/41. In addition, no aircraft of these models shall be eligible for recertification with single ignition engine unless such aircraft were either previously certificated with single ignition engines or were originally certificated prior to 8/1/41.