

HARTMANN AIRCRAFT CORPORATION

MODELS: Hartman OW5M (Formerly Welch), 2 PCLM

T.C. NUMBER: 637

Engine	Continental A-40-4 (See NOTE 1)
Fuel	73 minimum octane aviation gasoline
Engine limits	For all operations, 2575 rpm (40 hp)
Airspeed limits	Level flight or climb - 75 mph True Ind. Glide or dive - 90 mph True Ind.
Propeller limits	Maximum permissible diameter 77 in.
C.G. range	(+17.3) to (+19.5)
Datum	Leading edge of wing
Maximum weight	950 lbs.
No. seats	2
Baggage	9 lbs. (behind seat)
Fuel capacity	9 gallons (two 4-1/2 gallon tanks in wing L.E.)
Oil capacity	1 gallon (engine sump)
Serial Nos. eligible	115 and up (See NOTE A)
Required equipment	Items 101, 102, 103
Certification basis	Type Certificate No. 637 (Aero. Bulletin 7A requirements)
Production basis	None (See NOTE A)

Eligible for export to 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 represent 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)

303. Skis Use actual weight change
(a) Heath 725

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) 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 engines unless such aircraft were either previously certificated with single ignition engines or were originally certificated prior to 8/1/41.