

Preliminary Specifications – The Great Lakes by Waco Classic

Model Designations: 2T-1A-1 and 2T-1A-2

General

- Type Certificate: A18EA Revision 10
- Crew: 2
- Length: 20 ft 4 in
- Wingspan: 26 ft 8 in
- Height: 7 ft 4 in
- Wing area: 187.6 ft²
- Airfoil: M-12
- Empty weight: 1,230 lb
- Max takeoff weight: 1,800 lb
- Power plant: 1 x Lycoming IO-360-B1F6 or 1 x Lycoming AEIO-360-B1G6 4-cylinder horizontally opposed air-cooled piston engine, 180 hp (134 kW)
- Propeller: TBD Hartzell or MT Composite

Performance

- G Limits: +5.40 to -4.00
- Maximum speed: 133 knots (153 mph) at sea level
- Cruise speed: 105 knots (120 mph) (max cruise)
- Stall speed: 50 knots (57 mph)
- Range: 260 nm (300 mi)
- Service ceiling: 17,000 ft
- Rate of climb: 1,400 ft/min
- Wing loading: 9.59 lb/ft²
- Power/mass: 0.1 hp/lb

Avionics

- Becker AR 6201 VHF TRANSCEIVER
- Becker BXP6401-1-MODE-S-TRANSPONDER
- JPI EDM 730 integrated electronic engine instrumentation
- Garmin WAAS GPS moving Map
- 406 Mhz ELT
- Standard instruments
- G Meter

Additional Features

- Custom paint schemes
- Pilot Canopy Option
- Inverted Fuel and Oil system
- Leather seating surfaces
- Hooker Aerobatic Seat Belts
- Internal frame Corrosion protection
- All Stainless control cables and flying wires
- American or German 4130 steel frame
- Waco Classic quality construction that's 100% made in America

Notes:

The certification basis for these airplanes does not contain operating categories, i.e., normal, utility or acrobatic, as listed in current certification regulations. However, since certain of these models were designed to perform and have demonstrated the capability to perform the acrobatic maneuvers listed in the approved airplane flight manual plus those maneuvers not exceeding the load factors listed below, the words "acrobatic category" are included so that those persons concerned with these airplanes understand their capacity in terms of current practices. Maneuvering load factors are as follows:

A. 2T-1A-1 +5.05 to -2.05

B. 2T-1A-2 +5.40 to -4.00

For the above reasons, the airworthiness certificate for 2T-1A-1 and 2T-1A-2 airplanes are to be issued in the acrobatic category

Certification basis Aeronautics Bulletin No. 7-A dated October 1, 1934; FAR 23 dated February 1, 1967, Amendments 23-1 through 23-7 for power plant installation; Type Certificate A18EA issued January 14, 1972. Great Lakes Company obtained Exemption No. 1163 which granted an exemption from Section 21.17 of the FAR to permit the issuance of the Type Certificate incorporating the type design portion of ATC-228.