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|---------------------------|-----------------------------|---------|------|--------|-------|------|
| Control surface movements | Aileron | (±1°) | Up | 24° | Down | 22° |
| | Stabilizer | (±1/2°) | Up | 7-1/4° | Up | 1/4° |
| | Elevator | (±1°) | Up | 21° | Down | 29° |
| | Rudder | (±1°) | Left | 35° | Right | 35° |
| Serial Nos. eligible | 0501 and 0502 See NOTE 5 | | | | | |

II - Model 2T-1A-1, 1 or 2 POLB (Acrobatic Category) (See NOTE 6), Approved 12/17/73

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| Engine | Lycoming O-320-E2A installed per Great Lakes Dwg. 50123; or Lycoming IO-360-B1F6 or AEIO-360-B1G6 installed per Great Lakes Dwg. 50148 | | | | | |
| Fuel | Lycoming O-320-E2A, 80/87 minimum grade aviation fuel Lycoming IO-360-B1F6 and AEIO-360-B1G6, 91/96 minimum grade aviation fuel | | | | | |
| Engine limits | Lycoming O-320-E2A Takeoff ² 2450 r.p.m. (140 hp.) Maximum Continuous 2450 r.p.m. (140 hp.) Lycoming IO-360-B1F6 and AEIO-360-B1G6 Takeoff 2700 r.p.m. (180 hp.) Maximum continuous 2700 r.p.m. (180 hp.) | | | | | |
| Propeller and propeller limits | Lycoming O-320-E2A McCaughey 1C160-EGM 7654 Diameter: Not over 76 in., not under 74.5 in. Static r.p.m. at maximum permissible throttle setting: Not over 2350 r.p.m., not under 2250 r.p.m. No additional tolerance permitted. Lycoming IO-360-B1F6 and AEIO-360-B1G6, (a) Hartzell HC-C2YK-4F/FC7666A-2 Diameter: 74.0 in. No reduction allowed Pitch settings at 30 in. sta.: low 12.5°, high 26.8° (b) Hartzell Spinner P/N 835-41 (c) Hartzell Hydraulic Governor No. F6-31 | | | | | |
| Airspeed limits (CAS) | <u>Landplane</u> Never exceed 142 m.p.h. (124 knots) Max. structural cruise 120 m.p.h. (105 knots) Maneuvering 120 m.p.h. (105 knots) | | | | | |
| M.A.C. | 46.0 in. (L.E. of MAC is Sta. 9.0) | | | | | |
| C.G. Range | (15.7) at 1600 lb. or less (18.9 to 23.0) at 1750 lb. Straight line variation between points given | | | | | |
| Empty Wt. C.G. | None | | | | | |
| Maximum weight | 1750 lb. | | | | | |
| No. of seats | 2 (1 at 27.5, 1 at 61.5) | | | | | |

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| Maximum baggage | 40 lb. (+92.0) | | |
| Fuel capacity | 27.4 gal. (+26.7 gal. usable, one 26.0 gal. tank in top wing at +13.0 and one 1.4 gal. header tank in fuselage at +5.0). (Lycoming IO-360-B1F6 and AEIO-360-B1G6) See NOTE 1 for data on unusable fuel | | |
| | 26 gal. (26.0 gal. usable, one 26 gal. tank in top wing at +13.0) (Lycoming O-320-E2A) See NOTE 1 for data on unusable fuel | | |
| Oil capacity | 8 qt. (-24.0) (4 qt. usable) Lycoming IO-360-B1F6 and AEIO-360-B1G6 | | |
| | 8 qt. (-24.0) (6 qt. usable) Lycoming O-320-E2A See NOTE 1 for data on oil system | | |
| Control surface movements | Aileron | (±1°) | Up 24° Down 22° |
| | for both 2-aileron and 4-aileron configuration | | |
| | Stabilizer | (±1/2°) | Up 7-1/4° Up 1/4° |
| | Elevator | (±1°) | Up 21° Down 29° |
| | Rudder | (±1°) | Left 35° Right 35° |
| Serial Nos. eligible | 0503 and 0699 See NOTE 5 | | |

I - Model 2T-1A-2, 1 or 2 POLB (Acrobatic Category) (See NOTE 6) Approved 7/25/74

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|--------------------------------|---|--|--|
| Engine | Lycoming IO-360-B1F6 or AEIO-360-B1G6 installed per Great Lakes Dwg. 50148 or Lycoming O-320-E2A installed per Great Lakes Dwg. 50123 | | |
| Fuel | Lycoming IO-360-B1F6 and AEIO-360-B1G6, 91/96 minimum grade aviation fuel Lycoming O-320-E2A, 80/87 minimum grade aviation fuel | | |
| Engine limits | Lycoming IO-360-B1F6 and AEIO-360-B1G6 Takeoff 2700 r.p.m. (180 hp.) Maximum Continuous 2700 r.p.m. (180 hp.) | | |
| | Lycoming O-320-E2A Takeoff 2450 r.p.m. (140 hp.) Maximum continuous 2450 r.p.m. (140 hp.) | | |
| Propeller and propeller limits | Lycoming IO-360-B1F6 and AEIO-360-B1G6, (a) Hartzell HC-C2YK-4F/FC7666A-2 Diameter: 74.0 in. No reduction allowed Pitch settings at 30 in. sta.: low 12.5°, high 26.8° (b) Hartzell Spinner P/N 835-41 (c) Hartzell Hydraulic Governor No. F6-31 | | |
| | Lycoming O-320-E2A McCauley 1C160-EGM 7654 Diameter: Not over 76 in., not under 74-5 in. Static r.p.m. at maximum permissible throttle setting: Not over 2350 r.p.m., not under 2250 r.p.m. No additional tolerance permitted. | | |

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| Airspeed limits | <u>Landplane</u> | | | |
| | Never exceed | 153 m.p.h. | (133 knots) | |
| | Max. structural cruise | 120 m.p.h. | (105 knots) | |
| | Maneuvering | 120 m.p.h. | (105 knots) | |
| C. G. range | (+15.7) at 1600 lb. or less (+20.0) to (+23.8) at 1800 lb. Straight line variation between points given | | | |
| Empty Wt. C.G. | None | | | |
| Maximum weight | 1800 lb. | | | |
| No. of seats | 2 (1 at 27.5, 1 at 61.5) | | | |
| Maximum baggage | 40 lb. (+92.0) | | | |
| Fuel capacity | 27.4 gal. (26.7 gal. usable, one 26.0 gal. tank in top wing at +13.0 and one 1.4 gal. header tank in fuselage at +5.0). (Lycoming IO-360-B1F6 and AEIO-360-B1G6) See NOTE 1 for data on unusable fuel | | | |
| | 26 gal. (26.0 gal. usable, one 26 gal. tank in top wing at +13.0) (Lycoming O-320-E2A) See NOTE 1 for data on unusable fuel | | | |
| Oil capacity | 8 qt. (-24.0) (4 qt. usable) Lycoming IO-360-B1F6 and AEIO-360-B1G6 See NOTE 1 for data on oil system 8 qt. (-24.0) (6 qt. usable (Lycoming O-320-E2A)) | | | |
| Control surface movements | Aileron | (±1°) | Up 24° | Down 22° |
| | Stabilizer | (±1/2°) | Up 7-1/4° | Up 1/4° |
| | Elevator | (±1°) | Up 21° | Down 29° |
| | Rudder | (±1°) | Left 35° | Right 35° |
| Serial Nos. eligible | 0701 and up | | | |

Data Pertinent to all Models

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| Datum | Fuselage Sta. (00) is center of most forward lateral fuselage tube. A pin is located on the lower side of landing gear streamline tube to indicate datum. |
| Leveling means | Upper Longeron at cockpit |
| Certification basis | Aeronautics Bulletin No. 7-A dated October 1, 1934; FAR 23 dated February 1, 1967, Amendments 23-1 through 23-7 for powerplant 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. |
| Production basis | None. Prior to original certification of each aircraft manufactured subsequent to May 5, 1982, an FAA representative must perform a detailed inspection for workmanship, materials, and conformity with the approved technical data, and a check of the flight characteristics. |

