

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

| |
|---|
| A28EU PROCAER F 15/E July 16, 1971 |
|---|

TYPE CERTIFICATE DATA SHEET NO. A28EU

This data sheet which is a part of type certificate No. A28EU prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder PROCAER Progetti Costruzioni Aeronautiche
Via Card. Ascanio Sforza, 85
20141 Milan
Italy

I - Model F 15/E, 4 PCLM (Normal and Utility Categories), Approved Jul 16, 1971

| | | |
|-----------------------------------|--|-------------------------|
| Engine | Continental IO-520-F | |
| Fuel | 100/130 minimum grade aviation gasoline | |
| Engine limits | 2850 r.p.m. at takeoff (300 hp) max. 5 minutes 2700 r.p.m. continuous (285 hp) | |
| Propeller and propeller limits | Hartzell HC-C2YF-1B/8475-6 Diameter: Maximum 78 in., Minimum allowable for repairs 77 in., No further reduction permitted. Pitch setting at 30 in. radius: Low 13°, High 30.7° Spinner: Hartzell 835-23 Governor: Woodward F 210452 | |
| Airspeed limits (IAS) | Vne (Never exceed) | 200 knots (230 mph) |
| | Vno (Max. structural cruising) | 159 knots (183 mph) |
| | Vp (Maneuvering speed) | 140 knots (161 mph) |
| | Vfe (Max. with flaps ext. at 20°) | 120 knots (138 mph) |
| | Vfe (Max. with flaps ext. at 48°) | 100 knots (115 mph) |
| | Vle (Max. l. g. ext.) | 120 knots (138 mph) |
| | Vlo (Max. for l. g. operation) | 120 knots (138 mph) |
| C.G. range | (+119) to (+122) at 3,000 lb. (Normal Category) (+116.6) to (+122) at 2,700 lb. (Utility Category) (+113) to (+122) at 2,140 lb. or less (Normal and Utility Categories) Straight line variation between points given. | |
| Empty weight C.G. range | None | |
| Datum | Plane 79.5 in. forward of firewall | |
| Leveling means | Longitudinal references on lower door sill, transverse references on the two doors lower sills. | |
| Maximum weight | <u>Normal Category</u> | <u>Utility Category</u> |
| | Takeoff: 3,000 lb. | 2,700 lb. |
| | Landing: 2,870 lb. | 2,700 lb. |
| No. of seats | 4 (2 at +118.2 at +155) | |
| Maximum baggage | 100 lbs. (+181) | |
| Fuel capacity | 84 U.S. gal. total (2 wing tanks of 23 gal. each at +132, and 2 tip tanks of 19 gal. each at +122; 79.0 gal. usable). See NOTE 1 for unusable fuel | |

| | | | | |
|---------------------------|--|---|----------|---------------|
| Oil capacity | 12 qt. total (+52) (6 qt. usable) | | | |
| Control surface movements | Wing flaps | | | Down 48° ± 2° |
| | Ailerons | Up | 24° ± 1° | Down 14° ± 1° |
| | Elevator | Up | 25° ± 1° | Down 14° ± 1° |
| | Elevator trim tab | Up | 20° ± 1° | Down 23° ± 1° |
| | Rudder | Right | 30° ± 1° | Left 30° ± 1° |
| Serial Nos. eligible | The Registro Aeronautico Italiano (R.A.I.) Certificate of Airworthiness endorsed as noted below under "Import Requirements" must be submitted for each individual aircraft for which application for certification is made. | | | |
| Certification basis | FAR 21.29 and FAR 23 effective 1 February 1965 including Amendments 23-1 through 23-6. Application for Type Certificate dated 7 August 1968. Type Certificate No. A28EU issued 16 July 1971. | | | |
| Import requirements | A U.S. Certificate of Airworthiness may be issued on the basis of a Certificate of Airworthiness for Export signed by representative of the Registro Aeronautico Italiano (R.A.I.) containing the following statement: "The airplane covered by this certificate has been examined and found to conform to the type design approved under FAA Type Certificate No. A28EU and is in condition for safe operation. | | | |
| Equipment | The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, the following items of equipment are required: | | | |
| | a) | Pre-stall warning indicator, Safe Flight Instrument Corp. 164 R, or equivalent. | | |
| | b) | R.A.I. approved Model F.15/E Airplane Flight Manual, No. 88.123/T dated 6 November 1970 or a later RAI-approved revision. | | |

NOTE 1. Current weight and balance report including list of equipment in certificated empty weight, and loading instructions, must be provided for each aircraft at the time of original certification.

The certificated empty weight and corresponding center of gravity location must include undrainable oil (0 lb. at +52), and unusable fuel (6 lb. at +132 and 24 lb. at +122).

NOTE 2. The following placard must be displayed on the instrument panel in clear view of the pilot:

"THIS AIRPLANE MUST BE OPERATED AS A NORMAL OR UTILITY CATEGORY AIRPLANE IN COMPLIANCE WITH THE APPROVED AIRPLANE FLIGHT MANUAL. ALL MARKINGS AND PLACARDS ON THIS AIRPLANE APPLY TO ITS OPERATIONS AS A NORMAL CATEGORY AIRPLANE. FOR UTILITY CATEGORY OPERATIONS REFER TO THE AIRPLANE FLIGHT MANUAL. NO ACROBATIC MANEUVERS, INCLUDING SPINS, ARE APPROVED FOR NORMAL CATEGORY OPERATIONS."

In addition, all placards required in the approved Airplane Flight Manual must be installed in the appropriate locations.

NOTE 3. Each individual airplane will be supplied with a placard that specifies the kinds of operation such as VFR or IFR, Day or Night, to which the operation of the airplane is limited by the equipment installed.

.....END.....