

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AI0EU
Revision 7
SIAI Marchetti S.p.A.
P.260
P.260B
P.260C

April 20, 1977

TYPE CERTIFICATE DATA SHEET No. AI0EU

This data sheet, which is a part of type certificate No. AI0EU, prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Civil Air Regulations.

Type Certificate Holder SIAI Marchetti S.p.A.
Via Indipendenza
Sesto Calende, Varese
Italy

- I. Model F.260, (Utility and Acrobatic Category) Approved April 1, 1966
(See Note b for aircraft with Serial Nos. 2-54 and up).
- II. Model F.260B (Utility and Acrobatic Category) Approved June 10, 1974
(Same as F.260 except for vertical empennage of increased area and airfoil sections of wing leading edge.)
- III. Model F.260C (Utility and Acrobatic Category) Approved December 30, 1976
(Same as Model F.260B except for lowered seats, ailerons with servotab, battery relocated forward, radio compartment.)

DATA PERTINENT TO ALL MODELS

Engine	Lycoming O-340-D4A5	
Fuel	91-96 Minimum grade	
Engine limits	For all operations, 2700 rpm (260 hp). See NOTE 2: (a), (b).	
Propeller and propeller limits	(a) Hartzell HC-C2YK-18/8467-8R (for F.260 and F.260B only)	
	Diameter: max 76 in., minimum allowable for repairs 75 in.	
	Pitch setting at 30 in. radius: Low 15° 30', High 32°	
	(b) Hartzell HC-C2YK-18/8477-8R	
	Diameter: max 76 in. (no reduction permitted)	
	Pitch setting at 30 in. radius: Low 15° 30', High 32°	
	(c) Hartzell HC-C2YK-18/8477-8R	
	Diameter: max 76 in. (no reduction permitted)	
	Pitch setting at 30 in. radius: Low 15° 30', High 32°	
Airspeed limits (IAS)	V _{NE} (Never exceed)	272 mph (234 Kts)
	V _{MO} (Max structural cruising)	215 mph (187 Kts)
	V _D (Maneuvering speed)	187 mph (162 Kts)
	V _{FE} (Max with flaps ext.)	125 mph (108 Kts)
	V _{LE} (Max with landing gear ext.)	125 mph (108 Kts)
C.A. Range (Landing Gear Extended)	(+85.8) to (+93.7) at 187 lbs or less (+91.4) to (+93.7) at 243 lbs Wt. straight line variation between points given.	
Empr. Weight C. . Range	None	
Datum	59.05 inches forward of firewall.	
Leveling means	Two screws on left side of fuselage	
Maximum weight	2430 lbs (Utility cat.); 2205 lbs (Acr. Cat.)	
No of seats	3 (2 at +100), (1 at +130). See NOTE 3.	
Maximum baggage	90 lbs (+149)	
Fuel capacity	64 U.S. gallons total (2 wing tanks of 13 U.S. gal each (+105.5) (2 tip tanks of 19 U.S. gal each (+95.3) Usable 62 U.S. gal. See NOTE 1 for unusable fuel.	
Oil capacity	12 qt (+31.3); usable 9.25 qt. See Note 1 for system oil	
Control surface movements	Wing flaps	
	Ailerons	Up 24° ± 1 Down 50° ± 1
	Aileron servotab	Up 23° ± 1 Down 13° ± 1
	(for F.260C only)	Up 23° ± 1 Down 14° ± 1
	Elevator	Up 24° ± 1 Down 16° ± 1
	Elevator tab	Up 20° ± 1 Down 25° ± 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	CAR 10. Type Certificate No. AI0EU issued April 1, 1966. Date of application for Type Certificate, June 12, 1963.	
Import requirements	A U.S. Airworthiness Certificate may be issued on the basis of a Certificate of Airworthiness for Export signed by a representative of the Registro Aeronautico Italiano (R.A.I.) containing the following statement: (a) F.260 and F.260B - "The airplanes covered by this certificate has been examined and found to comply with U.S. Civil Air Regulation Part 3, dated May 11, 1958, including Amendments 3-1 through 3-8 and conforms to Type Certificate No. AI0EU."	

Import Requirements
(Cont'd)

(b) F.260C - "The airplane covered by this certificate has been examined and found to comply with U.S. Civil Air Regulation Part 3, dated May 15, 1956, including Amendments 3-1 through 3-8 and FAR Part 23 dated February 1, 1965, including Amendments 23-1 through 23-7 for the paragraphs 23.729; 23.735; 23. 951; 23.995;23.1353 and conforms to Type Certificate No. A10EU.

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: (all items noted as standard equipment in the manufacturer's approved equipment list)

- (a) Pre-stall warning indicator, Safe Flight Instrument Corp. 1648
- (b) F.260 and F.260B RAI-approved Airplane Flight Manual dated April 18, 1968, Revision 1 through 7 (and subsequent approved revisions).
- (c) F.260C RAI-approved Airplane Flight Manual dated October 20, 1976, and subsequent approved revisions.

Notes

- NOTE 1. Current weight and balance report including list of equipment in the 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 system oil of 2.6 lb. at (+31.5) and unusable fuel of 4 lb. at(+105.5) and 8 lb. at (95.3).
- NOTE 2. The following placards must be displayed as indicated:
- (a) On Instrument Panel
This airplane must be operated as a Utility or Acrobatic category airplane in compliance with the Approved Airplane Flight Manual.
All markings and placards on this airplane apply to its operation as a Utility category airplane.
For acrobatic category operations, refer to the Airplane Flight Manual.
 - (b) All placards required in the basic Approved Airplane Flight Manual, installed in the appropriate location.
- NOTE 3. For utility category rear seat may be occupied by two persons and/or baggage provided:
- (a) The total weight on rear seat (including baggage) is under 250 lb.
 - (b) The rear seat is equipped with two separate safety belts.
 - (c) Weight and C.G. position are within limits.
 - (d) No baggage is in the baggage compartment.
 - (e) No radio equipment is in the radio compartment (for F.260C only).
- NOTE 4. Each individual airplane will be supplied with a placard that specifies the kinds of operations such as VFR or IFR, Day or Night, to which the operation of the airplane is limited by the equipment installed.
- NOTE 5. Intentionally left blank.
- NOTE 6. Aircraft Model F.260 with Serial Numbers 2-54 and up incorporate wings modified outline P/N 260-01-76, as model F.260B.