

FEDERAL AVIATION AGENCY

7A11  
Revision 2  
AEROMERE  
Falco F.8.L  
February 15, 2022

TYPE CERTIFICATE DATA SHEET NO. 7A11

This data sheet which is a part of type certificate No. 7A11 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      AEROMERE S.A.,  
Trento, Italy

I. Model Falco F.8.L. (Utility and Acrobatic Categories), Approved June 26, 1961

Engine	Lycoming O-320-A1A																					
Fuel	80/87 Minimum grade aviation gasoline																					
Engine limits	For all operations, 2700 r.p.m. (150 hp)																					
Propeller and Propeller limits	Hartzell HC-82XL-IF/7636D-4, 2 bladed metal Pitch setting at 30 in. station: Low 12 degrees High 25.5 degrees Diameter: Maximum 76 in.      minimum 72 in. Minimum allowable for repairs 70 in. (no further reduction permitted) Hartzell HC-C2YL-1/7663-4, 2 bladed metal Pitch setting at 30 in. station: Low 13 degrees High 30 degrees Diameter: Maximum 72 in.      minimum 70 in. (no further reduction permitted)																					
Airspeed limits	<table border="0"> <tr> <td></td> <td><u>Utility</u></td> <td><u>Acrobatic</u></td> </tr> <tr> <td>Vne (never exceed)</td> <td>240 m.p.h.</td> <td>240 m.p.h.</td> </tr> <tr> <td>Vno (Max. Struc. cruising)</td> <td>185 m.p.h.</td> <td>185 m.p.h.</td> </tr> <tr> <td>Vp (Maneuvering speed)</td> <td>140 m.p.h.</td> <td>155 m.p.h.</td> </tr> <tr> <td>Vfe (Flaps extended 20 degrees)</td> <td>112 m.p.h.</td> <td>112 m.p.h.</td> </tr> <tr> <td>Vfe (Flaps extended 45 degrees)</td> <td>100 m.p.h.</td> <td>100 m.p.h.</td> </tr> <tr> <td>Vle (Landing gear extended)</td> <td>125 m.p.h.</td> <td>125 m.p.h.</td> </tr> </table>		<u>Utility</u>	<u>Acrobatic</u>	Vne (never exceed)	240 m.p.h.	240 m.p.h.	Vno (Max. Struc. cruising)	185 m.p.h.	185 m.p.h.	Vp (Maneuvering speed)	140 m.p.h.	155 m.p.h.	Vfe (Flaps extended 20 degrees)	112 m.p.h.	112 m.p.h.	Vfe (Flaps extended 45 degrees)	100 m.p.h.	100 m.p.h.	Vle (Landing gear extended)	125 m.p.h.	125 m.p.h.
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C.G. range	(+68.5) to (+74.8)																					
Datum	Front surface of the engine flange																					
Maximum weight	<table border="0"> <tr> <td><u>Utility</u></td> <td><u>Acrobatic</u></td> </tr> <tr> <td>1720 lb.</td> <td>1650 lb.</td> </tr> </table>	<u>Utility</u>	<u>Acrobatic</u>	1720 lb.	1650 lb.																	
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1720 lb.	1650 lb.																					
No. of seats	2 (+85.2)      2 (+85.2)																					
Maximum baggage	88 lb. (+109.9) 22 lb. (+109.9)																					
Fuel capacity	Front tank, 18.5 U.S. gal. (+44.8) Rear tank, 13.2 U.S. gal. (+128.4)																					
Oil capacity	8 qt. (+21.6)																					

Control surfaces movements	Wing flaps		Down 45 degrees
	Ailerons	Up 24 degrees	Down 16 degrees
	Elevator	Up 24 degrees	Down 16 degrees
	Elevator tab	Up 20 degrees	Down 20 degrees
	Rudder	Right 20 degrees	Left 20 degrees
	Stabilizer	Fixed	

Serial Nos. eligible      The Registro Aeronautico Italiano (RAI) Certificate of Airworthiness endorsed as noted below under "Certification basis" must be submitted for each individual aircraft for which application for certification is made.

Certification basis      CAR 10. Type Certificate No. 7A11 issued June 26, 1961.  
Application for Type Certificate dated July 1, 1958.

Import Requirement      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 (RAI) containing the following statement: "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, 3-2, 3-3 and conforms to T.C. 7A11."

Refer to the applicable bilateral agreement to verify eligibility for import into the United States of both new and used aircraft based on the scope of the agreement, to identify any required statements by the exporting authority on the export certificate of airworthiness (or equivalent document), and for procedures for coordinating exceptions to conformity statements on these documents. Refer to FAA Order 8130.2, *Airworthiness Certification of Aircraft*, for requirements for issuance of an *airworthiness certificate* for imported aircraft.

NOTE 1.      Current weight and balance report including list of equipment in certificated empty weight, and loading instructions, must be in each aircraft at the time of original certification and at all times thereafter except in the case of operators having an approved weight control system.

The certificated empty weight and corresponding center of gravity locations must include system oil of 1 lb. at (+21.6).

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

"THIS AIRCRAFT MUST BE OPERATED AS AN AEROBATIC CATEGORY AIRCRAFT, IN ACCORDANCE WITH THE LIMITATIONS INDICATED IN THE PLACARDS, MARKINGS AND MANUALS, FOR OPERATIONS OF AIRCRAFT IN UTILITY CATEGORY REFER TO FLIGHT MANUAL. MAXIMUM WEIGHT FOR AEROBATIC CATEGORY: 1650 LBS.

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