

FEDERAL AVIATION AGENCY

7A5
Revision 3
NARDI
FN-333

February 16, 2022

TYPE CERTIFICATE DATA SHEET NO. 7A5

This data sheet which is a part of type certificate No. 7A5 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 NARDI S. A.
Milan, Italy

I - Model FN-333, 4 PCAmM (Normal Category), approved December 15, 1958

Engine	Continental IO-470-P
Fuel	* 91/96 Minimum grade aviation gasoline
Engine limits	* For all operations, 2600 r.p.m. (250 hp.)
Propeller and propeller limits	<p>1. Hartzell HC82X20-5L/L8433-H 2 blades, metal, constant speed with reversible pitch Maximum diameter 84 in. Maximum diameter 81 in. (No further reduction permitted) Pitch settings at 30 in. sta.: Low 13°, high 27°30', reversed -14°</p> <p>2. Hartzell HCA3X20-5L/L8433-6B 3 blades, metal, constant speed with reversible pitch Maximum diameter 78 in. Maximum diameter 76 in. (No further reduction permitted) Pitch settings at 30 in. sta.: Low 12°30', high 28°30', reversed -14°30'</p>
Airspeed limits	<p>*Vne (never exceed) 206 m.p.h. (178 knots) *Vno (max. structural cruising) 162 m.p.h. (140 knots) #Vp (maneuvering speed) 146.5 m.p.h. (127 knots) *Vfe (flaps extended in all positions) 125 m.p.h. (109 knots) *Vle (landing gear extended) 125 m.p.h. (109 knots) *Vfle (wing floats extended) 125 m.p.h. (109 knots) *Vwre (water rudder extended) 206 m.p.h. (178 knots)</p>
C.G. range (landing gear extended)	*(+110) to (+117)
Empty weight C.G. range	None
Datum	Nose of aircraft
Leveling means	Datum pads on left door frame
Maximum weight	*3270 lb.
No. seats	4 (2 at +52.1, 2 at +95.3)
Maximum baggage	*300 lb. (+95.3)
Fuel capacity	65.8 U.S. gal. (two wing tanks, 32.9 U.S. gal. ea.) (+107.5)
Oil capacity	3.5 U.S. gal. (+141.6). See NOTE 1 for data on system oil.
Control surface movements	<p>Wing flaps Down 45° Aileron Up 25° Down 18° Elevator tab Up 23° Down 23° Elevator Up 25° Down 20° Rudder Right 25° Left 25° Stabilizer Fixed</p>

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	<p>CAR 10. Type Certificate No. 7A5 issued December 25, 1958. Date of Application for Type Certificate December 3, 1957. Each aircraft and any replacement parts manufactured in Italy must be clearly identified as imported.</p> <p>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 Regulations Part 3, dated May 15, 1956, including Amendments 3-1, 3-2, 3-3, 3-4 and 3-5, and conforms to TC 7A5."</p>
Equipment	<p>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 item of equipment is required:</p> <p>(a) Pre-stall warning indicator, Safe Flight Instrument Corp. 164.S</p>
Import Requirement	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, <i>Airworthiness Certification of Aircraft</i> , for requirements for issuance of an <i>airworthiness certificate</i> for imported aircraft.

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 locations must include system oil of 1 lb. at (+141.6).

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

- (a) "THIS AIRPLANE MUST BE OPERATED AS A NORMAL CATEGORY AIRPLANE IN COMPLIANCE WITH THE OPERATING LIMITATIONS STATED IN THE FORM OF PLACARDS, MARKINGS. NO ACROBATIC MANEUVERS, INCLUDING SPINS, ARE APPROVED."
- (b) "WARNING: REVERSING PROPELLER IN FLIGHT PROHIBITED. OPERATE REVERSE LEVER IN LOW PITCH ONLY. MAXIMUM 2400 RPM IN REVERSE PITCH."
- (c) In addition to the above placards, the prescribed operating limitations indicated by "*" under Section I above, must be displayed by permanent markings.

NOTE 3. This aircraft is approved for night flying when the prescribed equipment is installed.

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