

Department of Transportation Federal Aviation Administration

Supplemental Type Certificate

Number SA2673NM

This certificate, issued to **New Flight Corporation**
3242 South Locust Street
Denver, Colorado 80222-7409

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Certification basis is set forth in Type Certificate Data Sheet A22CE

Original Product—Type Certificate Number: A22CE

Make: Cessna

Model: 500 (Serial Numbers 350 and on)

Description of the Type Design Change:

Optional takeoff gross weight increase for airplanes conforming to Branson Aircraft Corporation Conformity Checklist 91891, Rev. N/C, dated November 30, 1986 or General Arrangement Drawing 91891, Rev A, dated July 1, 1994, or later FAA approved revision, or Branson Aircraft Corporation or New Flight Corporation FAA sealed Drawing List 91890, Rev N/C, dated February 25, 1987, or later FAA Approved revision.

Limitations and Conditions:

1. FAA Approved Airplane Flight Manual Supplement dated December 4, 1984, or later FAA approved revision is required for each airplane.
2. The approval of this change in type design applies basically to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane. A copy of this certificate and Addendum No. SA2673NM shall be maintained as part of the permanent records for the modified aircraft. (See Continuation Sheet page 3.)
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission
4. There is a mandatory prerequisite for this STC. Prior to its incorporation, the aircraft must have the optional zero fuel weight of 9,500 pounds in accordance with Cessna ERC04139 or Cessna Service Bulletin SB-34-15 installed.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 20, 1984

Date reissued: February 25, 1985; May 3, 1994

Date of issuance: December 4, 1984

Date amended: February 26, 1987, July 30, 1998,
August 9, 2013



By direction of the Administrator

Gregory Johnson (Signature) Program Manager
Northwest Mountain Regional Manager
Denver Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

United States of America
Department of Transportation Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA2673NM

Limitations and Conditions (continued):

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2673NM

The limitations listed in Type Certificate Data Sheet No. A22CE are applicable except as follows:

AIRSPEED LIMITS (CAS)

V_{MO} (Maximum Operating) (Sea Level to 30,300 feet)	260 KCAS
M_{MO} (Above 30,300 feet)	.698 MACH
V_A (Maneuvering Speed)	186 KCAS (S.L.)
V_{FE} (Flaps Extended)	
40° (landing)	174 KCAS
15° (Takeoff and Approach)	200 KCAS
V_{LO} (Landing Gear Operation)	174 KCAS
Autopilot Operation	260 KCAS

GROSS WEIGHT LIMIT (Lbs.)

Max. Taxi (MTW)	12,650 lbs.
Max. Takeoff (MGW)	12,500 lbs.
Max. Zero Fuel (MZFW)	
(Takeoff weight 11,851 to 12,500 lbs)	9,100 lbs.
(Takeoff weight 11,850 or below)	9,500 lbs.
Max. Landing (MLW)	11,350 lbs.

WING SPAR INSPECTION

The wing spar inspection per AD 79-12-06 is to be conducted at intervals specified for Aircraft Serial Numbers 500-0350 and on.

Ref. FAA Approved Flight Manual Supplement PKCIT017 for additional limitations.

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