

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA00280BO

This Certificate issued to PK Floats, Inc.
32 Flyaway Drive
Lincoln, ME 04457

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 23 (see page 3 of 5) of the Federal Aviation Regulations.

Original Product Type Certificate Number: A22NM

Make: Sky International

Model: A-1, A-1A, A-1B, A-1C-180, A-1C-200

Description of Type Design Change:

Installation of PK 2250A Amphibious Floats in accordance with PK Floats Drawing List 22DL1100, Initial revision, dated October 24, 2008, or later FAA-approved revision.

Limitations and Conditions:

1. PK Floats, Inc. Airplane Flight Manual Supplement for Sky International Model A-1 with PK 2250A Amphibious Floats, Initial revision, dated November 7, 2008, or later FAA-approved revision, is required.
2. PK Floats, Inc. Airplane Flight Manual Supplement for Sky International Model A-1A with PK 2250A Amphibious Floats, Initial revision, dated November 7, 2008, or later FAA-approved revision, is required.

(Limitations and Conditions continued on page 3 of 5)

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.

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: September 11, 2007

Date reissued:

Date of issuance: November 7, 2008

Date amended: March 9, 2012

By direction of the Administrator



(Signature)

Robert G. Mann
Manager
Boston Aircraft Certification Office

(Title)

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Effective Date: March 9, 2012

Limitations and Conditions Cont'd:

3. PK Floats, Inc. Airplane Flight Manual Supplement for Sky International Model A-1B/C with PK 2250A Amphibious Floats, revision A, dated March 9, 2012, or later FAA-approved revision, is required.
4. Instructions for Continued Airworthiness, PK Floats, Inc. document # 2250A, Initial Revision, dated October 31, 2008, or later FAA-accepted revision, shall be made available to the operator at the time of installation.
5. This STC does not apply to Engine Options Group Configurations of the Model A-1B.
6. The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.
7. The weight increase to 2250 lbs for the A-1B and A-1C with PK 2250A Amphibious Floats is valid for serial numbers 2285, 2288 and greater only. The applicable portions of Sky International Service Letter No. 3 must be applied to the A-1B to support the weight increase.

Certification Basis:

The type certification basis for Aviat Model A-1, A-1A, A-1B, A-1C-180, A-1C-200 airplanes as shown on TCDS A22NM is modified for this STC as follows:

Equivalent Level of Safety Finding has been made for the following regulation:

14 CFR §23.777(e), Cockpit controls (documented in ELOS Memorandum ACE-08-20)

Type Certificate Data Sheet:

Sky International TCDS A22NM is modified for this STC as follows:

Model A-1

Propeller and
Propeller Limits

Diameter: Not over 76 in., not under 76 in.

Airspeed Limits (IAS)

Never Exceed	133 mph (116 knots)
Maximum Structural Cruising	104 mph (90 knots)
Maneuvering	91 mph (79 knots)
Flaps Extended	73 mph (63 knots)

C.G. Range

Amphibian
(+75.7) to (+78.4) at 1980 lbs
(+72.5) to (+78.4) at 1500 lbs and below
Straight line variation between points given

Maximum Baggage

50 lbs (+120.0)
50 lbs (+66.0) Stowage compartment in each float

Maximum Weight

Landplane: 1800 pounds
Amphibian: 1980 pounds

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

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Model A-1A

Propeller and
Propeller Limits

Diameter: Not over 76 in., not under 76 in.

Airspeed Limits (IAS)

Never Exceed	133 mph (116 knots)
Maximum Structural Cruising	104 mph (90 knots)
Maneuvering	91 mph (79 knots)
Flaps Extended	
S/N 1395 to 1429	73 mph (63 knots)
S/N 1430 and up	80 mph (70 knots)

(See TCDS A22NM, Note 14)

C.G. Range

Amphibian
(+75.5) to (+78.4) at 2079 lbs
(+72.5) to (+78.4) at 1500 lbs and below
Straight line variation between points given

Maximum Baggage

50 lbs (+120.0)
50 lbs (+66.0) Stowage compartment in each float

Maximum Weight

Landplane: 1890 pounds
Amphibian: 2079 pounds

Model A-1B

Propeller and
Propeller Limits

Diameter: Not over 76 in., not under 76 in.

Airspeed Limits (IAS)

Never Exceed	133 mph (116 knots)
Maximum Structural Cruising	104 mph (90 knots)
Maneuvering	91 mph (79 knots)
Flaps Extended	80 mph (70 knots)

C.G. Range

Amphibian
(+75.0) to (+80.0) at 2250 lbs.
(+72.3) to (+80.0) at 1765 lbs. and below
Straight line variation between points given

Maximum Baggage

50 lbs (+120.0)
50 lbs (+66.0) Stowage compartment in each float

Maximum Weight

Landplane: 2000 pounds
Amphibian: 2250 pounds

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Model A-1C-180

Propeller and Propeller Limits	Hartzell HC-C2YK-1BF/F766A (Constant Speed) Diameter not over 76 in., not under 76 in.	
Airspeed Limits (IAS)	Never Exceed	133 mph (116 knots)
	Maximum Structural Cruising	104 mph (90 knots)
	Maneuvering	91 mph (79 knots)
	Flaps Extended	80 mph (70 knots)
C.G. Range	Amphibian (+75.0) to (+80.0) at 2250 lbs. (+72.3) to (+80.0) at 1765 lbs. and below Straight line variation between points given	
Maximum Baggage	50 lbs (+120.0) 50 lbs (+66.0) Stowage compartment in each float	
Maximum Weight	Landplane: 2250 pounds Amphibian: 2250 pounds	

Model A-1C-200

Airspeed Limits (IAS)	Never Exceed	133 mph (116 knots)
	Maximum Structural Cruising	104 mph (90 knots)
	Maneuvering	91 mph (79 knots)
	Flaps Extended	80 mph (70 knots)
C.G. Range	Amphibian (+75.0) to (+80.0) at 2250 lbs. (+72.3) to (+80.0) at 1765 lbs. and below Straight line variation between points given	
Maximum Baggage	50 lbs (+120.0) 50 lbs (+66.0) Stowage compartment in each float	
Maximum Weight	Landplane: 2250 pounds Amphibian: 2250 pounds	

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