



Supplemental Type Certificate

Number: STC SVA582

This certificate issued to: Polar Aviation
Suite 18
Hay Street
Subiaco Western Australia, 6008

certifies that the type design for the following changed product with the limitations and conditions as specified herein meets the applicable airworthiness requirements for Approved Single Engine Turbine Powered Aeroplanes (ASETPA).

Original Product:	Type Acceptance Certificate Number:	A320
	Referenced TC Number:	FAA A37CE
	Make/Model:	Textron Aviation Inc. 208, 208B

Description of Type Design Change:
Option One:

Replacement of the original Pratt and Whitney PT6A-114(A) engine and propeller with a Pratt and Whitney PT6A-140 and 3-blade Hartzell Propeller HC-B3TN-3AF(Y)/T10890CN(K)-2 and equipment in accordance with FAA STC SA02546LA, inclusive of Howell Instruments powerplant indicating system.

Installations done in accordance with FAA Approved Master Drawing List 201321-000, Rev IR, dated Apr 6, 2015, or later FAA approved revisions. Pilot's Operating Handbook and FAA Approved Airplane Flight Manual Supplements, AFMS 201321-208, Rev IR, dated Oct 09, 2015, or 201321-208B, Rev IR, dated October 09, 2015 or later FAA approved revisions. Instructions for continued airworthiness are contained in document ICA 201321-30, Rev IR, dated August 2015, or later.

Date of application: 19/09/2018

Date of issuance: 01/11/2018

This certificate is issued pursuant to Part 21.113A of the Civil Aviation Regulations 1998.



Richard Stocker
Delegate of the Authority

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(Continuation Sheet)

Limitations and Conditions:

This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those previously approved modifications will produce no adverse effect upon the airworthiness of that aircraft. 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 suspended, cancelled or a termination date is otherwise established by the Civil Aviation Safety Authority.

Conditions:

The aircraft must meet the requirements of CAO 100.5 for ASETPA operations.

This modification is not compatible with Cessna Model 208, Serial Number 20800500 and greater or Cessna Model 208B Serial Number 208B1190, 208B1216, and 208B2000 and greater (Garmin 1000 installations) and aircraft equipped with TKS installation.

Certification Basis:

14 CFR part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by Amendments 23-1 through 23-62 for 23.1, 23.25, 23.29, 23.33, 23.45, 23.53, 23.63, 23.65, 23.69, 23.75, 23.77, 23.143, 23.145, 23.161, 23.171, 23.173, 23.175, 23.177, 23.201, 23.203, 23.207, 23.251, 23.301, 23.303, 23.305, 23.307, 23.361, 23.363, 23.601, 23.603, 23.605, 23.607, 23.609, 23.611, 23.613, 23.619, 23.625, 23.627, 23.629, 23.863, 23.865, 23.901, 23.903, 23.905, 23.907, 23.925, 23.929, 23.933, 23.937, 23.939, 23.943, 23.993, 23.997, 23.1011, 23.1017, 23.1021, 23.1023, 23.1027, 23.1041, 23.1043, 23.1045, 23.1091, 23.1093, 23.1103, 23.1121, 23.1123, 23.1141, 23.1143, 23.1145, 23.1149, 23.1153, 23.1155, 23.1163, 23.1165, 23.1183, 23.1193, 23.1301, 23.1305, 23.1309, 23.1351, 23.1353, 23.1357, 23.1359, 23.1361, 23.1365, 23.1367, 23.1519, 23.1529, 23.1541, 23.1549, 23.1581, 23.1583, 23.1585, 23.1587, except 23.1419 as amended by 23-1 through 23-14.

1. Special Condition 23-ACE-3, Dynamic Evaluation, Engine Installation. Factors from this special condition were incorporated into the whirl mode flutter analysis per 14 CFR 23.629(a)(b)(c)(e)(1) and (2).
2. 14 CFR 34, effective January 1, 1994, as amended by Amendments 34-0.
3. 14 CFR 36, effective December 1, 1969, as amended through Amendment 36-30.

This certificate may be transferred in accordance with CASR (1998) 21.47