

United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA10841SC

This Certificate issued to Supervan Systems Ltd.
8955 CR 135
Celina, TX 75009

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 of the Federal Aviation Regulations.

Original Product Type Certificate Number : A37CE

Make : Cessna Aircraft Company

Model : 208; 208B

Description of Type Design Change: The modification consists of removal of the Pratt & Whitney PT6A-114/114A engine, propeller and associated components to install a Honeywell TPE331-12JR engine, Hartzell HC-B4TN-5QL/LT10890NK (de-ice) or HC-B4TN-5NL/LT10890N (non de-ice) or HC-B4TN-5NL/LT10891NK (de-ice) or HC-B4TN-5NL/LT10891N (non de-ice) propeller and associated components in accordance with Supervan Master Data List SSL-MDL-208-4001, Rev. D, dated May 22, 2012, or later FAA approved revision

(See continuation sheet 3 of 4)

Limitations and Conditions:

Compatibility of this design change with previously approved modifications must be determined by the installer. 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. The modification is not approved for operation in known icing conditions. This modification is not approved on airplanes with the TKS Ice Protection system.

(See continuation sheet 3 of 4)

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: October 24, 2002

Date reissued:

Date of issuance: November 26, 2008

Date amended: June 15, 2009; July 08, 2010
December 15, 2010; June 11, 2012; Rev 4



By direction of the Administrator

(Signature)
S. Frances Cox
Manager, Special Certification Office
Southwest Region

(Title)

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

Number SA10841SC

Date of Issuance: November 26, 2008
Dates Amended: June 15, 2009; July 08, 2010;
December 15, 2010; June 11, 2012

Description of Type Design Change (Continued):

The following FAA approved Flight Manual Supplement at the indicated revision level, or later FAA approved revision, is required:

For 208B Model: Document SSL-FMS-208B-12JR Rev. 2 dated February 23, 2012
For 208 Model: Document SSL-FMS-208-12JR Float Plane Rev. 1 dated February 23, 2012
Document SSL-FMS-208-12JR Rev. 2 dated February 23, 2012

If optional Standby Electrical System is installed on a model 208B, FAA approved Flight Manual Supplement S2 SSL-SES-208B-12JR rev. 1 dated December 15, 2010, or later approved revision is required. If optional Standby Electrical System is installed on a model 208, then FAA approved Flight Manual Supplement S2 SSL-SES-208-12JR rev. 1 dated December 15, 2010, or later approved revision, is required. For 208B flight into known icing conditions, FAA approved Flight Manual Supplement S2 SSL-KIS-208B-12JR, Rev 1 dated February 23, 2012, or later approved revision is required. For 208 flight into known icing conditions, FAA approved Flight Manual Supplement S2 SSL-KIS-208-12JR, Rev 1 dated February 23, 2012, or later approved revision is required. The aircraft must be maintained in accordance with Instructions for Continued Airworthiness document 9004-21 rev. A dated February 21, 2012, or later approved revision. Gross weight increase changes per STCs SA00188SE and SA00392SE for model 208B are compatible with this STC. Gross weight increase changes per STC SA270CH for model 208 are compatible with this STC. Wipaire STC SA1311GL Float modification is compatible with this STC. Wipaire Service Kit #25 must be installed on aircraft serial number 20800329 and earlier.

Limitations and Conditions (Continued):

For Model 208: This STC is limited to Standard version (without cargo pod) to serial numbers 20800001 through 20800415 and 20800417 through 20800499.

For Model 208B: This STC is limited to serial numbers 208B0001 through 208B1189, 208B1191 through 208B1215 and 208B1217 through 208B1999.

Certification Basis: Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Cessna 208 and 208B modified in accordance with Supervan Master Data List, SSL-MDL-208-4001, Rev. D, dated June 12, 2008, or later FAA approved revision is as follows:

- a. The type certification basis for the Cessna 208B is shown on TCDS A37CE for areas **not changed or affected** by the change.
- b. The certification basis for parts **changed or affected** by the modification since the date of application is based upon 14 CFR Part 23 as amended by Amendment 23-55. Based on 14 CFR §§ 21.101 and 21.115, and FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 23-0 through 23-55

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 SA10841SC

Date of Issuance: November 26, 2008
Dates Amended: June 15, 2009; July 08, 2010;
December 15, 2010; June 11, 2012

Limitations and Conditions (Continued):

For model 208B:

23.1(b); 23.21; 23.23; 23.25; 23.29; 23.33(a)(d); 23.45(a)(b)(1)(3)(c)(d)(e)(f)(g); 23.49; 23.51(a)(2)(b)(2);
23.53(a)(b); 23.63(a)(1)(2)(c); 23.65(b); 23.69(a); 23.71; 23.73(b); 23.75(a)(b)(c)(d)(e)(f); 23.77(b); 23.141;
23.143; 23.145(a)(1)(2)(3)(ii)(b)(c)(d)(e)(1); 23.147(c); 23.153; 23.155(a)(1)(b)(c);
23.157(a)(2)(b)(1)(3)(4)(c)(2)(d); 23.161(a)(b)(1)(c); 23.171; 23.173(a)(b)(1)(c); 23.175(a)(1)(3)(4)(b)(1)(i)(ii)(c);
23.177(a); 23.177(b)(d); 23.181(a)(b)(d); 23.201; 23.203; 23.207(a)-(e); 23.221(a); 23.231(a); 23.233(a)(b)(c);
23.235; 23.251; 23.253; 23.301(a)(b)(c); 23.303; 23.305; 23.307(a)(b); 23.321(a)(b); 23.333(a)(b)(c)(d);
23.337(a)(1)(b)(1); 23.341(a)(c); 23.345(d)(1)(2); 23.361(a)(b)(c)(1); 23.363(a)(b); 23.371(a)(2); 23.391; 23.409;
23.423; 23.471; 23.473(a)(e)(f)(g); 23.477; 23.479(a)(2)(b)(c); 23.481; 23.499(a)(b)(c)(e); 23.509(a)(c)(2)(d);
23.561(a)(b)(3)(e); 23.572(a)(1)(b)(3); 23.575; 23.601; 23.603(a)(b); 23.605(a); 23.607(a)(b)(c); 23.609(a)(b);
23.611; 23.613(a)(b)(c)(d); 23.619(a); 23.625(a)(b)(c); 23.627; 23.629(a)(b)(c)(d)(e)(i); 23.671(a)(b); 23.685(a);
23.689(a)(1)(2); 23.745(a); 23.771(a); 23.777(a)(b); 23.779(b); 23.781(b); 23.831(a); 23.853; 23.863(a)(b)(c)(d);
23.865; 23.867(a)(b)(c); 23.901(b)(1)(2)(c)(d)(1)(2)(e)(1)(2); 23.903(a)(1)(2)(iv)(b)(1)(2)(e)(1)(2)(3)(4)(f)(g);
23.905(a)(b)(c)(d); 23.907; 23.925(a)(d); 23.929; 23.933(b); 23.937; 23.939(a)(c); 23.943; 23.951(a)(d);
23.955(a)(1)(2)(4)(f)(1)(3); 23.959; 23.961; 23.963(d)(e); 23.991(a)(2)(i)(d); 23.993; 23.994;
23.995(a)(b)(2)(c)(d)(e); 23.997(a)(b)(c)(d); 23.1011(a)(b)(c)(d); 23.1013(a)(b)(c)(d)(1)(2)(e)(g); 23.1015(a)(c);
23.1017(a); 23.1019(a)(1)(2)(3)(4); 23.1021; 23.1023; 23.1027; 23.1041; 23.1043(a)(1)(2)(3)(b)(c); 23.1045;
23.1091(a)(c)(1); 23.1093(b)(1)(2); 23.1103(a)(b); 23.1111(a)(b)(c); 23.1121(a)(b)(c)(d)(e)(f)(g); 23.1123(a)(b);
23.1141(a)(b)(c)(d)(e)(g)(1)(2); 23.1143(a)(c); 23.1145(a)(c); 23.1149(a)(1); 23.1153; 23.1155;
23.1163(a)(1)(2)(3)(b)(c); 23.1165(a)(b)(c)(1)(2)(d)(e); 23.1181(b); 23.1182; 23.1183(a)(b); 23.1189(b);
23.1191(b)(h); 23.1193(a)(b)(c)(e); 23.1203(b)(c)(e); 23.1301(a)(b)(c)(d);
23.1305(a)(2)(3)(5)(c)(1)(2)(3)(5)(6)(7)(10)(e)(1)(2); 23.1309(a)(1)(2)(b)(1)(2)(3)(4)(c)(d)(e)(f); 23.1321(a)(c);
23.1322(a)(b)(c)(d)(e); 23.1323(a)(b); 23.1325(e); 23.1337(a)(1)(2)(i)(ii)(3)(b)(1)(c);
23.1351(a)(1)(2)(i)(b)(1)(i)(ii)(iii)(2)(3)(c)(1)(2)(3)(4)(5)(d)(1)(f)(g)(1)(2); 23.1353(a)(b)(c)(d)(e)(h);
23.1357(a)(b)(c)(1)(2)(d); 23.1359(a)(c); 23.1365(a)(b)(c)(d)(e)(f); 23.1367(a)(b)(c)(d); 23.1416(a)(b);
23.1431(a)(b)(e); 23.1438(b); 23.1501(a)(b); 23.1505(c); 23.1507; 23.1511(a)(1)(2); 23.1519;
23.1521(a)(b)(1)(3)(4)(c)(1)(3)(4)(d)(e); 23.1525; 23.1527(a); 23.1529; 23.1541(a)(b); 23.1543(b)(c);
23.1549(a)(b)(c); 23.1551; 23.1555(a)(e)(2); 23.1557(c)(2)(e); 23.1581(a)(1)(2)(3)(b)(1)(3)(c)(d)(f);
23.1583(b)(1)(2)(3)(c)(1)(2)(3)(d)(f)(h)(m)(n); 23.1585(a)(d)(j); 23.1587(a)(c)(1)(2)(3)(6); 14 CFR Part 34; 14
CFR Part 36.

For Model 208:

All of the regulations above for the 208B with the following additions:

23.231(b), 23.233(d), 23.237, 23.239, 23.521, 23.523, 23.525, 23.527, 23.529(a)(c).

- END -




FAA- APPROVED
Airplane Flight Manual Supplement
for
Cessna 208 Caravan Landplane
Equipped with Honeywell TPE331-12JR Engine
Doc. No. SSL-FMS-208-12JR

Reg. No. _____

Ser. No. _____

This supplement must be attached to the Cessna Model 208 Pilot's Operating Handbook and FAA Approved Airplane Flight Manual when the Honeywell TPE331-12JR engine is installed in accordance with Supervan Systems, Ltd. STC **SA10841SC**. The information contained in this document supplements or supersedes the basic manual only in those areas listed. For limitations, procedures, performance, and loading information not contained in this supplement, consult the basic Airplane Flight Manual.

FAA Approved: _____


S. Frances Cox, Manager
Special Certification Office
Federal Aviation Administration
Fort Worth, Texas 76137-4298

Date: February 23, 2012

LOG OF EFFECTIVE PAGES

The following Log of Effective Pages provides the date of issue for original and revised pages, as well as a listing of all pages in the Airplane Flight Manual Supplement. Pages affected by the current revision are indicated by an asterisk (*) preceding the page number.

<u>Revision Level</u>	<u>Date of Issue</u>
Initial Release	30 June 2010
Revision 1	15 December 2010
Revision 2	23 February 2012


<u>Page</u>	<u>Date</u>	<u>Revision Number</u>
i thru v	23 February 2012	2
1-1 thru 1-9	23 February 2012	2
2-1 thru 2-11	23 February 2012	2
3-1 thru 3-27	23 February 2012	2
4-1 thru 4-38	23 February 2012	2
5-1 thru 5-14	23 February 2012	2
6-1	23 February 2012	2
7-1 thru 7-23	23 February 2012	2
8-1 thru 8-6	23 February 2012	2
9-1 thru 9-2	23 February 2012	2

NOTE

The following is a Log of Effective Pages for Section 9 supplements. Supplements for optional equipment not installed in the airplane do not have to be retained in the basic manual, and may be discarded, if desired.

<u>Supplement</u>	<u>Page</u>	<u>Date</u>	<u>Revision Number</u>
S1	S1-1 thru S1-38	23 February 2012	1
S2	S2-1 thru S2-6	15 December 2010	1

FAA Approved:


S. Frances Cox, Manager
Special Certification Office
Federal Aviation Administration
Fort Worth, Texas 76137-4298

Date: February 23, 2012