

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

*Number* SA1437CE

*This certificate issued to:*

Brad E. Isham  
P. O. Box 193  
Valley Center, KS 67147

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.*

*Original Product - Type Certificate Number:* 3A17

*Make:* Cessna

*Model:* R172K Landplane and Floatplane

*Description of Type Design Change:*

Continental IO-360-K or -KB engine installation re-rated to 210 HP (2800 RPM) at takeoff and 195 HP (2600 RPM) maximum continuous. Re-rated engine designation IO-360-KC/STC SE1436CE or IO-360-KBC/STC SE1436CE. DATA REQUIRED: 1.) A copy of this certificate; 2.) Isham Aircraft Drawing List R17202 dated September 29, 1978, or later revisions stamped "FAA Approved"; and 3.) Flight Manual Supplement dated October 17, 1978, or later "FAA Approved" revisions required for Serial Number R1722910 and on.

*Limitations and Conditions:*

This approval should not be extended to other airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce 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.

(See Continuation Sheet 3 of 3.)

*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 3, 1978

*Date reissued:* May 7, 2003; April 7, 2008

*Date of issuance:* October 6, 1978

*Date amended:* January 28, 1982; January 28, 1991



*By direction of the Administrator*

Original signed by Todd G. Dixon

(Signature)

Todd G. Dixon  
Associates ACO Manager  
Wichita Aircraft Certification Office

(Title)

United States of America  
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# Supplemental Type Certificate

(Continuation Sheet)

*Number* SA1437CE

Date of Issuance: October 6, 1978  
Date Amended: January 28, 1982  
Date Amended: January 28, 1991  
Date Reissued: May 7, 2003  
Date Reissued: April 7, 2008

*Limitations and Conditions* (continued from page 1):

Type Certificate Data Sheet 3A17 applies except as follows:

Engine:	Continental IO-360-KC/STC SE1436CE or IO-360-KBC/STC SE1436CE		
Fuel:	100/130 minimum octane aviation gasoline		
Engine Limits:	Maximum continuous	2600 RPM	195 HP
	Takeoff (5 Min.)	2800 RPM	210 HP
Powerplant:	Tachometer	2800 RPM	Red Line
		2600-2800 RPM	Yellow Arc
		2600 RPM	Green Arc
	Fuel Pressure Gauge	Maximum 18.5 PSI Red Line	
Propeller and Propeller Limits:	Landplane	(a)	McCauley constant speed propeller, 2A34C203/90DCA-14 diameter: Not over 76 inch, not under 74.5 inch, pitch settings at 30 inch station, low 9.7 + .2 - .0, high 25.0 ± .1
	Floatplane		McCauley constant speed propeller, 2A34C203/90DCA-10 diameter: Not over 80 inch, not under 78.5 inch, pitch settings at 30 inch station, low 9.8 + .0 - .1, high 25.0 ± .1
		(b)	Governor McCauley C290D3/T6
		(c)	Spinner, Cessna Dwg. 0550328
Floats:	ED0248B-2440 or Pee Kay 2300 or B2300		

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