## DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

	3A12	
	Revision 84	
Textror	Aviation Inc.	
172	172I	
172A	172K	
172B	172L	
172C	172M	
172D	172N	
172E	172P	
172F (USAF T-41A)	172Q	
172G	172R	
172H (USAF T-41A)	172S	
	July 29, 2015	

"WARNING: Use of alcohol-based fuels can cause serious performance degradation and fuel system component damage, and is therefore prohibited on Cessna airplanes."

## **TYPE CERTIFICATE DATA SHEET NO. 3A12**

This data sheet which is part of Type Certificate No. 3A12 prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder

Textron Aviation Inc. One Cessna Boulevard P.O. Box 7704 Wichita, Kansas 67277

Type Certificate Holder Record

Cessna Aircraft Company transferred to Textron Aviation Inc. on July 29, 2015

## I. <u>Model 172, 4 PCLM (Normal Category), approved November 4, 1955; 2 PCLM (Utility Category),</u> approved December 14, 1956

Engine

Continental O-300-A or O-300-B

\*Fuel

\*Engine Limits

For all operations, 2700 rpm (145 hp)

80/87 minimum grade aviation gasoline

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I. Model 172 (cont'd)											
Propeller and Propeller Limits	<ol> <li>Propeller         <ul> <li>(a) McCauley 1A170/DM</li> <li>Static rpm at maximum permissible throttle setting: Not over 2360, not under 2230</li> <li>No additional tolerance permitted</li> <li>Diameter: not over 76 in., not under 74.5 in.</li> </ul> </li> </ol>										
	(b) Spinner 2. Propeller	<ul><li>(b) Spinner, Dwg. 0550162</li><li>2. Propeller</li></ul>									
	<ul> <li>(a) Sensenich M74DR or 74DR</li> <li>Static rpm at maximum permissible throttle setting: Not over 2430, not under 2300 No additional tolerance permitted Diameter: not over 74 in., not under 72.0 in.</li> <li>(b) Spinner, Dwg. 0550162</li> <li>3. Propeller</li> </ul>										
	<ul> <li>(a) McCauley 1C172/MDM 7652, 53, or 55</li> <li>Static rpm at maximum permissible throttle setting: Not over 2350, not under 2250</li> <li>No additional tolerance permitted</li> </ul>										
		Diameter: not over 76 in., not under 74.5 in. (b) Spinner, Dwg. 0550216									
	1 - FQ - M	ê di Çerde									
*Airspeed Limits (CAS)	Maneuvering 115 Maximum struct	ural cruising	1	40 mph (122 kno	ots)						
	Never exceed 160 Flaps extended	) mph (139 kn		00 mph ( 87 kno	ots)	1					
	T laps extended			12 C							
C.G. Range	Normal			+40.8) to (+46.4 +36.4) to (+46.4							
	Utility category $(+36.4)$ to $(+40.3)$ at 1950 lbs. (+36.4) to $(+40.3)$ at 1733 lbs. or less										
	Straight line vari	ation between			s) at 1735 los.	or less					
Empty Weight C.G. Range	None					in <u>Marian</u> National I					
*Maximum Weight	Normal category Utility category	2200 l 1950 l									
Number of Seats	4 (2 at +36, 2 at	+70) (For chi	ld's optio	nal jump seat, re	fer to Equipmo	ent List.)					
Maximum Baggage	120 lbs. (+95)										
Fuel Capacity	42 gal. total, 37 g See Note 1 for we	al. usable (tw	o 21 gal. <i>ble fuel a</i>	tanks in wings a <i>nd oil</i> .	t +48)						
Oil capacity	2 gal. (-20), inclu	ides 1 gal. uni	isable								
Control Surface Movements	Wing flaps	Takeoff		Retracted	0°						
		<b>T</b> 1'		1st notch 2nd notch	10° 20°						
		Landing		3rd notch	20 30°						
,				4th notch	40°						
Control Surface Movements (cc	ont'd)										
Control Surface Interentia (et	Ailerons	Up	20°	Down	14°						
	Elevator tab	Up	28°	Down	13°						
	Elevator	Up	28°	Down	26°						
	Rudder	Right	16°	Left	16°						

610, 612, 615, 28000 through 29999, 36000 through 36999 and 46001 through 46754