

	3A13
	Revision 70
	CESSNA
182	182K
182A	182L
182B	182M
182C	182N
182D	182P
182E	182Q
182F	182R
182G	R182
182H	T182
182J	TR182
182S	T182T
182T	
	December 20, 2011

This data sheet which is part of Type Certificate No. 3A13 prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

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

Engine	Continental O-470-L
*Fuel	80 minimum grade aviation gasoline
*Engine Limits	For all operations, 2600 r.p.m. (230 hp.)
Propeller and Propeller Limits	1. Hartzell constant speed (a) Hub HC82XF-1 or HCA2XF-1 or BHCA2XF-1 with 8433-2 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 30 in. sta.: low 12°, high 24° (b) Cessna spinner 0752006 (c) Woodward governor 210065, 210105, 210155 or 210340 2. McCauley constant speed (a) Hub 2A36C1-U/90M-8, 2A36C18/90M-8 or 2A36C29/90M-8 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 36 in. sta.: low 10.5°, high 22° (b) Cessna spinner 0752004 (c) Woodward governor 210065, 210105, 210155, 210345 or 210452, or McCauley C290D2/T1 or C290D3/T1

[illegible]

IV - Model 182C, Skylane, 4 PCLM (Normal Category), Approved July 8, 1959
Model 182D, Skylane, 4 PCLM (Normal Category), Approved June 14, 1960

Engine	Continental O-470-L	
*Fuel	80 minimum octane aviation gasoline	
*Engine Limits	For all operations, 2600 r.p.m. (230 hp.)	
Propeller and Propeller Limits	1. Hartzell constant speed (a) Hub HC82XF-1 or HCA2XF-1 or BHCA2XF-1 with 8433-2 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 30 in. sta.: low 12°, high 24° (b) Cessna spinner 0752006 (c) Woodward governor 210065, 210105, 210155, or 210340 2. McCauley constant speed (a) Hub 2A36C1-U/90M-8, 2A36C18/90M-8 or 2A36C29/90M-8 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 36 in. sta.: low 10.5°, high 22° (b) Cessna spinner 0752004 (c) Woodward governor 210065, 210105, 210155, 210345, 210452, or McCauley C290D2/T1 or C290D3/T1 3. Hartzell constant speed (a) Hub BHC-C2YF-1 with 8468-2 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 30 in. sta.: low 13°, high 24° (b) Cessna spinner 0752619 (c) Woodward governor 210105AF, 210340, or 210451 4. McCauley constant speed (a) Hub 2A34C50/90A-8 or 2A34C66/90AT-8 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 36 in. sta.: low 10.5°, high 21.5° (b) Cessna spinner 0752004 (c) Woodward governor 210065, 210105, 210155, 210345, 210452, or McCauley C290D2/T1 or C290D3/T1 5. Aircraft reworked per Cessna Service Kit SK182-121: McCauley constant speed (Threadless) (a) Hub 2A34C203/90DCA-8 blades Diameter: not over 82 in., not under 80.5 in. Pitch settings at 30 in. sta.: low 12.5°, high 25.0° (b) Cessna spinner 0752004 (c) Woodward governor 210065, 210105, 210155, 210345, or 210452, or Garwin 34-828-01, or McCauley C290D2/T1 or C290D3/T1	
*Airspeed Limits (CAS)	Maneuvering	122 m.p.h. (106 knots)
	Maximum structural cruising	160 m.p.h. (139 knots)
	Never exceed	184 m.p.h. (160 knots)
	Flaps extended	100 m.p.h. (87 knots)
C.G. Range	(+40.0) to (+45.8) at 2650 lb. (+33.5) to (+45.8) at 2100 lb. or less Straight line variation between points given	
Empty Wt. C.G. Range	None	
*Maximum Weight	2650 lb.	

IV - Model 182C, Model 182D (cont'd)

No. of Seats	4 (2 at +36, 2 at +70)		
Maximum Baggage	120 lb. (+95)		
Fuel Capacity	65 gal. (55 gal. usable); two 32.5 gal. tanks in wings at +48 See NOTE 1 for data on unusable fuel		
Oil Capacity	12 qt. (-15) (6 qt. usable) See NOTE 1 for data on undrainable oil		
Control Surface Movements	Wing flaps	Takeoff	0°, 10°, 20°
		Landing	30°, 40°
	Ailerons	Up 20° ±2°	Down 14° ±2°
	Adj. stabilizer	Up 0° 45' ±15'	Down 8° 45' ±15'
	Elevator	Up 25° ±1°	Down 22° 50' ±1°
	(With stabilizer full down)		
	Rudder	Right 24° ±1°	Left 24° ±1°
	(measured parallel to 0.0.W.L.)		
Serial Nos. Eligible	Model 182C: 631, 52359 through 53007 (1960 Model)		
	Model 182D: 51623, 18253008 through 18253598 (1961 Model)		

V - Model 182E, Skylane, 4 PCLM (Normal Category), Approved June 27, 1961
Model 182F, Skylane, 4 PCLM (Normal Category), Approved August 1, 1962
Model 182G, Skylane, 4 PCLM (Normal Category), Approved July 19, 1963

Engine	Continental O-470-L or O-470-R
*Fuel	80/87 minimum grade aviation gasoline
*Engine Limits	For all operations, 2600 r.p.m. (230 hp.)
Propeller and Propeller Limits	- Hartzell constant speed - Hub HC82XF-1 or HCA2XF-1 or BHCA2XF-1 with 8433-2 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 30 in. sta.: low 12°, high 24° - Cessna spinner 0752006 - Woodward governor 210065, 210105, 210155, or 210340 (Not eligible on O-470-R engine installation) - McCauley constant speed - Hub 2A36C1-U/90M-8, 2A36C18/90M-8 or 2A36C29/90M-8 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 36 in. sta.: low 10.5°, high 22° - Cessna spinner 0752004 - Woodward governor 210065, 210105, 210155, 210345, or 210452, or McCauley C290D2/T1 or C290D3/T1 - Hartzell constant speed - Hub BHC-C2YF-1 with 8468-2 blades Diameter: not over 82 in., not under 80 in. Pitch settings at 30 in. sta.: low 13°, high 24° - Cessna spinner 0752619 - Woodward governor 210105AF, 210340, or 210451

Data Pertinent to Model Items I through XII (cont'd)

Production Basis Production Certificate No. 4. Delegation Option Manufacturer No. CE-1 authorized to issue airworthiness certificates under delegation option provisions of Part 21 of the Federal Aviation Regulations.

Equipment: The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis) must be installed in the aircraft for certification. This equipment must include a current Airplane Flight Manual effective S/N 18266591 through 18268586 and R18200584 through R18202041. In addition, the following item of equipment is required:

1. Stall warning indicator, Cessna Dwg. S1672-5.

The equipment portion of Aircraft Specification 3A13, Revision 15, or Cessna Publication TS3000-13 should be used for equipment references on all aircraft prior to the Model 182G. Refer to the applicable Equipment List for the Model 182G and subsequent models.

NOTE 1. Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary must be provided for each aircraft at the time of original certification.

Serial Numbers 613 and 33000 through 34999
 631 and 51001 through 53007
 18253008 through 18264295 except 18263479

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 30 lb. (+46) on Models 182, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N and 182P through 18264295 and 60 lb. (+46) on Models 182A, 182B, 182C and 182D and undrainable oil of 0 lb.

Serial Numbers 18263479, 18264296 through 18266590

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 30 lb. (+46) and full oil of 22.5 lb. at (-15.0).

Serial Numbers 18266591 through 18268055

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 24 lb. at (+48) and full oil of 22.5 lb. at (-15.0) for the 182Q, 182R Model, and include oil of 16.9 lb. at (-14.8) for the T182 Model.

Serial Numbers 18268056 through 18268586

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 24 lb. at (+48) and full oil of 24.4 lb. at (-14.1) for the 182R, and include oil of 16.9 lb. at (-14.8) for the T182.

Serial Numbers R18200002 through R18200583

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 30 lb. (+46) and include oil of 16.9 lb. (-15.7).

Serial Numbers R18200001, R18200584 through R18202041

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 24 lb. (+48) and include oil of 16.9 lb. (-14.8).