

TYPE-CERTIFICATE

DATA SHEET

NO. EASA.IM.A.053

for Cessna 206 Series (Stationair)

> Type Certificate Holder: Textron Aviation Inc.

One Cessna Boulevard Wichita, Kansas 67215 USA

For models: 206H T206H



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SECTION 1: GENERAL, Model 206H Type Design

A. General

1.	a) b)	Type: Variant:	Model 206H N/A
2.	Air	worthiness Category:	FAR-23 Normal Category
20	63.	Type Certificate Holder:	Textron Aviation Inc. One Cessna Boulevard P.O. Box 7704 Wichita, Kansas 67277 USA
4.	Ma	inufacturer:	Textron Aviation Inc. One Cessna Boulevard P.O. Box 7704 Wichita, Kansas 67277 USA
5.	JAA	A Certification Application Date:	N/A
6.	JAA	A recommendation Date:	N/A
7.	EAS	SA Type Certification Date:	28 September 2003
<u>Ce</u>	rtific	cation Basis	
1.	Ref the	ference Date for determining applicable requirements:	FAA Application date 24 February 1998
2.	(Re	eserved)	
3.	(Re	eserved)	
4.	Cer	rtification Basis:	As defined in FAA TCDS A4CE
5.	Air	worthiness Requirements:	FAR 23 as defined in FAA TCDS A4CE, and JAR- 23, Change 1, plus Special Conditions as defined in Garmin G-1000 EASA CRI A-01, Issue 5, dated 17 March 2008 for the Nav III avionics option.

6. Requirements elected to comply: None

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<u>B.</u>

7.	EASA Special Conditions:	As defined in CRI A-01 for the Nav III avionics option only.
8.	EASA Exemptions:	None
9.	EASA Equivalent Safety Findings:	None
10	. EASA Environmental Standards:	CS 36 (ICAO Annex 16, Volume I, as applicable.)

C. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Master Drawing List, Document No.206-97- 001, latest FAA Approved Revision.
2.	Description:	Single-engine, all-metal, six-place, high-wing airplane, fixed tricycle landing gear.
3.	Equipment:	See Original delivery documents
4.	Dimensions:	
	Span	10.9728 m (36.00 ft.)
	Length	8.52424 m (27.97 ft.)
	Height	2.54635 m (8.35 ft.)
	Wing Area	16.3045 m ² (175.50 ft ²)
5.	Engines:	Lycoming IO-540-AC1A5
		The EASA Engine Type Certification standard includes that of FAA TC 1E4, based on individual EU member state acceptance or certification of this standard prior to 28 September 2003, Other standards conforming to TC/TCDS standards Certificated by individual EU member States prior to 28 September 2003 are also acceptable.
	5.1 Engine Limits:	For all operations: 2700 RPM (300 hp)
		For power-plants limits refer to Airplane Flight Manual and Pilot's Operating Handbook, Part No. 206HPHUS00 or 206HPHAUS00 (Garmin) or 206HPHBUS00 (GFC-700) or latest revision.

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6.	Propellers:	a.	McCau McCau	uley Constant uley Model: B3D	Speed propeller limits 936C432/80VSA-1
			The EA include indivic certific Septer to T indivic Septer	ASA Propeller Ty es that of FA lual EU memb cation of this mber 2003, Oth C/TCDS stand lual EU memb mber 2003 are a	vpe Certification standard A TC P58GL, based on ver state acceptance or standard prior to 28 ver standards conforming dards Certificated by per States prior to 28 also acceptable.
			Maxim in.) M (77.5 (1) M (2) Ce	num Diameter: linimum Diame in.) Number of cCauley Govern ssna Spinner: 2	not over 2.0066 m (79 ter: not under 1.9685 m Blades: 3 or DC290D1/T37 150151
7.	Fluids:				
	7.1 Fuel:	10	0/100LL n	ninimum grade	aviation gasoline
	7.2 Oil: Engine	Mi Gr Te lat	IL-L-6082 (ineral Oil o ade Ashle xtron Lyco est revisio ce oil con	or SAE J1966 Av or MIL-L-22851 ss Dispersant O oming Service In on, must be used sumption has st	iation Grade Straight or SAE J1899 Aviation il. Oil conforming to struction No. 1014, d after first 50 hours or abilized.
	7.3 Coolant:	Nc	ot Applicat	ble	
8.	Fluid capacities:				
	8.1 Fuel:	<u>Ur</u>	nits 20608	001 through 20	<u>608173</u>
		Ta Us	otal: sable:	348.258 liters 333.116 liters	(92 US Gallons) (88 US Gallons)
		Ur	nits 20608	174 and on	
		To Us	ital: able:	348.258 liters 329.331 liters	(92 US Gallons) (87 US Gallons)
	8.2 Oil:	М	aximum: at 0.3	10.4099 liters 2512 m (12.8 in	(11.0 qts.) .) forward of datum
		М	inimum:	5.67812 liters	(6.0 qts.) usable
9.	Air Speeds: Maneuvering	Max. S	itructural	125 KIAS (123 Cruising 14	(CAS) 19 KIAS (147 KCAS)
		Never	Exceed	18	2 KIAS (180 KCAS)



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				Date. 21	June 2010
	F	aps Extended	100 KIAS (1	100 KCAS)	
10. Maximum Op	perating Altitude:	With a p limited t must b operatin	oortable oxyger :o 4785.36 m (1 ie provided ig rules.	n system, the a 15,700 ft MSL) as required	ircraft is . Oxygen by the
11. Operational (Capability:	VFR Day and N IFR Day and Ni	ight ght		
12. Maximum Ma	asses:	Maximum Ram Maximum Tako Maximum Lano	ıp: 1639.2 eoff:1632.98 kg ding: 1632.9	28 kg (3614 lbs. g (3600 lbs.) 98 kg (3600 lbs	.) .)
13. Centre of Gra	avity Range:				
Forw (3600 (33.0	ard Limits : Liner variatio) lbs.) to 0.8382 m (33.0 i in.) aft of datum at 1133	n from 1.0795 m n.) aft of daum at .98 kg (2500 lbs.)	(42.5 in.) aft of : 1133.98 kg (25 or less.	datum at 1632 500 lbs.): 0.838	93 kg 32 m
Aft Li	i mits : 1.26238 m (49.7 ir	n.) aft of datum a	t 1632.93 kg (36	600 lbs.) or less	S.
14. Datum: Fr	ont Face of Firewall (Fus	elage Station 0.0)			
15. (Reserved)					
16. Levelling	Means:	Left side of Ta 4.57835 m (18	ilcone at 3.856 30.25 in.) aft of	599 m (151.85 datum.	in.) and
17. Minimum Flig	ght Crew:	1 (Pilot)			
18. Maximum Pa	ssenger Seating Capacity	: 6 [2 at 0.8636 of datur (79.0 in. aft of da	m (34.0 in.) to n, 2 at 1.7526) aft of datum, tum].	1.2192 m (48. (69.0 in) to 2 2 at 2.4892 m	0 in.) aft .0066 m (98.0 in)
19. Baggage / Ca	rgo Compartment	81.6466 3.6830 r	kg (180 lbs.) at n (145 in.) aft o	t 2.7686 kg (10 f datum.)9 in.) to
20. Wheels and ⁻	Tires				
Nose Whe Main Wh	eel Tire Size eel Tire Size	5.00 x 5 6.00 x 6			
21. Control Surfa	ice Movements Wing Flaps: Elevator Tab: Ailerons:	Down 40° +1°, Up 25° +1°, -0° Up 21° ± 2°	-2° Down 5° +1°, - Down 14°30' :	-0° ± 2°	

*** * * * * * *

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. Up 21° ± 1°

Elevator:

Down 17° ± 1°

(Relative to stabilizer) Rudder: Right: 24° ± 1° Left: 24° ± 1° (Parallel to 0.00 W.L.) Right: 27°13′ ± 1° Left: 27°13′ ± 1° (Perpendicular to hinge line)

D. Operating and Service Instructions

Airplane Flight Manual (AFM):	Document No.206HPHUS00 or 206HPHAUS0 (Garmin) or 206HPHBUS00 (GFC-700), latest approved revision			
Airplane Maintenance Manual (AMM)				
(Including Airworthiness Limitations)	Document No. 206HMM00 or latest revision			
E. Operational Suitability Data				
Master Minimum Equipment List (MMEL)	172MMELEU, Initial Issue, EASA approved 24 November 2015, or any later EASA approved			

issue.

F. Notes

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis, Note 6) must be installed in the airplane for certification.

NOTE 1: Weight and Balance:

Serial Nos.20608001 through 20608173 :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 10.8862 kg (24 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

Serial Nos.20608174 and on :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 13.6078 kg (30 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

NOTE 2: FAA Approved Airplane Flight Manual (AFM), or Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM): Part number 206HPHUS00 or later FAA approved revisions are applicable to the Model 206H. The Airplane must be operated according to the appropriate AFM or POH/AFM. Required placards are included in the AFM or POH/AFM.



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FAA Approved Airplane Flight Manual (AFM): Part Number 206HPHAUS-00 (or later FAA approved revisions) are applicable to the Model 206H equipped with Garmin G1000 Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM.

FAA Approved Airplane Flight Manual (AFM): Part Number 206HPHBUS-00 (or later FAA approved revisions) are applicable to the Model 206H equipped with Garmin G1000 Integrated Cockpit System and Garmin GFC-700 AFCS. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM.

- NOTE 3: The CHT probe must be installed on Head #3.
- NOTE 4: Model 206H airplanes, serial numbers 20608060 through 20608091 may differ structurally and are, therefore, not eligible for any weight increases above the approved maximum takeoff weight limit of 3,600 pounds unless compliance with Cessna Document AI206-57-01 (latest revision) has been accomplished and documented with an appropriate logbook entry. Any exceptions must first be coordinated with the Wichita Aircraft Certification Office.
- NOTE 5: Special Ferry Flight Authorization. Flight Standards District Offices are authorized to issue Special overweight ferry flight authorizations. This airplane is structurally satisfactory for ferry flight if maintained within the following limits: (1) Takeoff weight must not exceed 130% of the maximum weight for Normal Category, and (2) The Never Exceed Airspeed (V_{NE}) and Maximum Structural Cruising Speed (V_C) must be reduced by 30%; and (3) Forward and aft center of gravity limits may not be exceeded; and (4) Structural load factors of 2.5 g. to -1.0 g. may not be exceeded. Requirements for any additional oil should be established in accordance with Advisory Circular AC23.1011-1. Increased stall speeds and reduced climb performance at the increased weights have not been evaluated. Flight Permit for operations of overweight aircraft may be found in Advisory Circular AC21-4B.
- NOTE 6: FAA Certification Basis (Model 206H)

Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6, except as follows:

FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amendment 23-7.
FAR 23.807 and 23.1524 as amended by Amendment 23-10.
FAR 23.507; 23.771; 23.853(a),(b) and (c); and 23.1365 as amended by Amendment 23-14.
FAR 23.951 as amended by Amendment 23-15.
FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amendment 23-17.
FAR 23.1301 as amended by Amendment 23-20.
FAR 23.1353; and 23.1559 as amended by Amendment 23-21.
FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amendment 23-23.
FAR 23.1093 as amended by Amendment 23-29.

FAR 23.779 and 23.781 as amended by Amendment 23-33.



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FAR 23.961; 23.1107(b); 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amendment 23-43.

FAR 23.562(a), 23.562(b)2, 23.562(c)1, 23.562(c)2, 23.562(c)3, and 23.562(c)4 as amended by Amendment 23-44.

FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amendment 23-45.

FAR 36 dated December 1, 1969, as amended by Amendments 36-1 through 36-21.

Additions for the Gamin G1000 Integrated Cockpit System (ICS) only:

14 CFR 23.303; 23.307; 23.601; 23.1163(a)(1)(2); 23.1367 and 23.1381 as amended by Amendment 23-N/C.

14 CFR 23.1589 as amended by Amendment 23.13.

14 CFR 23.771(a) as amended by Amendment 23.14.

14 CFR 23.607 and (Electrical System) 23.1309(a)(1)(2), (c) as amended by Amendment 23-17.

14 CFR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20.

14 CFR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21.

14 CFR 23.603 and 23.605 as amended by Amendment 23-23.

14 CFR 23.1529 as amended by Amendment 23-26.

14 CFR 23.561(e); 23.1523; 23.1581(a)(2); 23.1538(a)(1), (a)(2), (b)(h) and

23.1585(a)(b)(d) as amended by Amendment 23-34.

14 CFR 23.301 as amended by Amendment 23-42.

14 CFR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43. 14 CFR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45.

14 CFR 23.1303(a)(b)(c)(f); 23.1309(a)(1)(i), (a)(1)(ii), (a)(2), (b)(1), (b)(2)(i), (b)(2)(ii), (b)(3), (b)(4)(i), (b)(4)(ii), (b)(4)(iii), (b)(4)(iv), (c)(1), (c)(2)(iii), (c)(3), (d), (e), (f)(1); 23.1311; 23.1321(a)(c)(d)(e); 23.1323(a), (b)(1), (b)(2), (c); 23.1329(g)(h); 23.1351(a)(1), (a)(2)(i), (b)(1)(iii), (b)(2)(3), (c)(4), (d)(1); 23.1353(a)(b)(c)(d)(e); 23.1359(c); 23.1361; 23.1365(a)(b)(d)(e)(f) and 23.1431 (a)(b)(d)(e) as amended by Amendment 23-49. 14 CFR 23.1325(a), (b)(1), (b)(2)(i), (b)(3), (c)(d)(e); 23.1543(b)(c); 23.1545(a), (b)(1), (b)(2), (b)(3), (c)(d)(e); 23.1563(a) and 23.1567(a) as amended by Amendment 23.50.

14 CFR 23.777(a)(b); 23.955(a)(2); 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23.51.

14 CFR 23.1305(a)(1), (a)(2), (a)(3), (b)(2), (b)(3)(i), (b)(4)(i), (b)(5), (b)(6)(i) as amended by Amendment 23-52.

14 CFR 23.901 (a)(b) as amended by Amendment 23-53.

Additions for the Garmin GFC-700 Automatic Flight Control System (AFCS) only:

14 CFR 23.1335 as amended by Amendment 23-20, 14 CFR 23.1329 (a)(c)(d)(e)(f) as amended by Amendment 23-49.



Equivalent Safety Items:

- (1) Throttle Control
- FAR § 23.1143(g), Number 97-4, FAA letter November 25, 1997
- (2) Mixture Control FAR § 23.1147(b), Number 97-4, FAA letter November 25, 1997
- (3) Fuel Tank Sump FAR § 23.971, Number ACE-02-03, FAA letter January 3, 2002 (Units 20608174 and on)
- (4) Anticollision Lights
 FAR § 23.1401(d), Number ACE-02-02, FAA letter January 3, 2002 (Units 20608174 and on)
- (5) Aviation White Color 14CFR § 23.1397(c), Refer to ACE-07-12, FAA letter 11/29/07

Date of Application for Amended Type Certificate was October 25, 1996. Type Certificate No. A4CE was amended November 26, 1997.

Special Conditions as follows:

No. 23-150-SC, (Special Conditions: Cessna Aircraft Company; Cessna Model 206H Airplane; Installation of Electronic Flight Instrument System and the Protection of the System From High Intensity Radiated Fields (HIRF)

NOTE 7: Production Basis (Model 206H)

Production Certificate No. PC-4 issued November 25, 1998. Applies to airplane serial numbers 20608001 and on. Textron Aviation Inc. is authorized to issue airworthiness certificates under the delegation provisions of Delegation Option Authorization No. CE-1 in accordance with Part 21 of the Federal Aviation Regulations.

- NOTE 8. The following serials are manufactured under the name Cessna Aircraft Company: 20608001 thru 20608353.
- NOTE 9. Company name change effective 7/29/15. The following serials are manufactured under the name Textron Aviation Inc.: 20608354 and On.



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SECTION 2: GENERAL, Model T206H Type Design

A. General

1.	a) Type: b) Variant:	Model T206H N/A
2.	Airworthiness Category:	FAR-23 Normal Category
3.	Type Certificate Holder:	Textron Aviation Inc. One Cessna Boulevard P.O. Box 7704 Wichita, Kansas 67277 USA
4.	Manufacturer:	Textron Aviation Inc. One Cessna Boulevard P.O. Box 7704 Wichita, Kansas 67277 USA
5.	JAA Certification Application Date:	N/A
6.	JAA recommendation Date:	N/A
7.	EASA Type Certification Date:	28 September 2003
<u>Ce</u>	rtification Basis	
1.	Reference Date for determining the applicable requirements:	FAA application date 24 February 1998
2.	(Reserved)	
3.	(Reserved)	
4.	Certification Basis:	As defined in FAA TCDS A4CE
5.	Airworthiness Requirements:	FAR 23 as defined in FAA TCDS A4CE, and JAR- 23, Change 1, plus Special Conditions as defined in Garmin G-1000 EASA CRI A-01, Issue 5, dated 17 March 2008 for the Nav III avionics option.
6.	Requirements elected to comply:	None



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7.	EASA Special Conditions:	As defined in CRI A-01 for the Nav III avionics option only.
8.	EASA Exemptions:	None
9.	EASA Equivalent Safety Findings:	None
10.	EASA Environmental Standards:	CS 36 (ICAO Annex 16, Volume I, as applicable.)

C. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Master Drawing List, Document No.T206-98- 001, latest FAA Approved Revision.
2.	Description:	Single-engine, all-metal, six-place, high-wing airplane, fixed tricycle landing gear.
3.	Equipment:	See Original delivery documents
4.	Dimensions: Span Length Height Wing Area	10.9728 m (36.00 ft.) 8.52424 m (27.97 ft.) 2.54635 m (8.35 ft.) 16.3045 m ² (175.50 ft ²)
5.	Engines:	Lycoming TIO-540-AJ1A
		The EASA Engine Type Certification standard includes that of FAA TC E14EA, based on individual EU member state acceptance or certification of this standard prior to 28 September 2003, Other standards conforming to TC/TCDS standards Certificated by individual EU member States prior to 28 September 2003 are also acceptable.
	5.1 Engine Limits:	Maximum Takeoff: 2500 RPM (310 hp) Maximum Continuous Power: 2500 RPM (310 hp)
		For power-plants limits refer to Airplane Flight Manual and Pilot's Operating Handbook, Part No. T206HPHUS00 or T206HPHAUS00 (Garmin) or T206HPHBUS00 (GFC-700) or latest revision.

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6.	Propellers:	a.	McCa McCa	auley Constant Spee auley Model: B3D36	ed 6C432/80VSA-1
			The E inclue indiv certif Septe to indiv Septe	ASA Propeller Type des that of FAA idual EU member fication of this s ember 2003, Other TC/TCDS standar idual EU member ember 2003 are also	e Certification standard TC P58GL, based on state acceptance or tandard prior to 28 standards conforming ds Certificated by States prior to 28 acceptable.
			Maxi in.) Minir in.) Num (1) N (2) C	mum Diameter: no mum Diameter: not ber of Blades: 3 AcCauley Governor Sessna Spinner: 2156	ot over 2.0066 m (79 under 1.9685 m (77.5 DC290D1/T25 D151
7.	Fluids:				
	7.1 Fuel:		100/100LL	minimum grade avi	ation gasoline
	7.2 Oil: Engin	e	MIL-L-6082 Mineral Oil Grade Ashl Textron Lyc latest revis once oil con	or SAE J1966 Aviat or MIL-L-22851 or ess Dispersant Oil. (coming Service Instr ion, must be used a nsumption has stab	ion Grade Straight SAE J1899 Aviation Dil conforming to Fuction No. 1014, fter first 50 hours or ilized.
	7.3 Coolant:		Not Applica	able	
8.	Fluid capacitie	s:			
	8.1 Fuel:	Total:	<u>Units T206</u> 348. Usable:	08001 through T200 258 liters (92 U 333.116 liters	508361 IS Gallons) (88 US Gallons)
			<u>Units 2060</u> Total:	8174 and on 348 258 liters	(92 US Gallons)
			Usable:	329.331 liters	(87 US Gallons)
	8.2 Oil:		Maximum: at 0.32512	10.4099 liters m (12.8 in.) forward	(11.0 qts.) d of datum
			Minimum:	5.67812 liters	(6.0 qts.) usable

9. Air Speeds: Maneuvering

ering 125 KIAS (123 KCAS) Maximum Structural Cruising 149 KIAS (147 KCAS)



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	Never Exceed Flaps Extended	100	182 KIAS (180 KIAS (100 KCAS)	KCAS)		
10. Maximum Operating Al	With a portable oxygen system, the aircraft is limited to 8229.6 m (27,000 ft MSL). Oxygen must be provided as required by the operating rules.					
11. Operational Capability:		VFR Day an IFR Day and	nd Night d Night			
12. Maximum Masses:	Maximur Maximur Maximur	n Ramp: n Takeoff: n Landing:	1640.64 kg (36 1632.93 k 1632.93 k	517 lbs.) g (3600 lbs g (3600 lbs	.) .)	

13. Centre of Gravity Range:

Forward Limits: Liner variation from 1.0795 m (42.5 in.) aft of datum at 1632.93 kg (3600 lbs.) to 0.8382 m (33.0 in.) aft of datum at 1133.98 kg (2500 lbs.): 0.8382 m (33.0 in.) aft of datum at 1133.98 kg (2500 lbs.) or less.

Aft Limits: 1.26238 m (49.7 in.) aft of datum at 1632.93 kg (3600 lbs.) or less.

- 14. Datum: Front Face of Firewall (Fuselage Station 0.0)
- 15. (Reserved)

16.	Levelling Means:	Left side of Tailcone at 3.85699 m (151.85 in.) and 4.57835 m (180.25 in.) aft of datum.
17. N	٨inimum Flight Crew:	1 (Pilot)
18. N	Aaximum Passenger Seating Capacity:	6 [2 at 0.8636 m (34.0 in.) to 1.2192 m (48.0 in.) aft of datum; 2 at 1.7526 (69.0 in) to 2.0066 m (79.0 in.) aft of datum; 2 at 2.4892 m (98.0 in) aft of datum].
19. E	Baggage / Cargo Compartment	81.6466 kg (180 lbs.) at 2.7686 kg (109 in.) to 3.683 m (145 in.) aft of datum.
20.	Wheels and Tires	
	Nose Wheel Tire Size	5.00 x 5
	Main Wheel Tire Size	6.00 x 6
21. (Control Surface Movements	
	Wing Flaps:	Down 40° +1°, -2°
	Elevator Tab:	Up 25° +1°, -0° Down 5° +1°, -0°
	Ailerons:	Up 21° ± 2° Down 14°30′ ± 2°
	Elevator:	Up 21° ± 1° Down 17° ± 1°
		(Relative to stabilizer)
	Rudder:	Right: 24° ± 1° Left: 24° ± 1°
		(Parallel to 0.00 W.L.)



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Right: 27°13′ ± 1° Left: 27°13′ ± 1° (Perpendicular to hinge line)

D. Operating and Service Instructions

Airplane Flight Manual (AFM):	Document No.T206HPHUS00 T206HPHAUS00 (Garmin) or T206HPH (GFC-700), latest approved revision	or BUS00
Airplane Maintenance Manual (AMM) (Including Airworthiness Limitations)	Document No. T206HMM00 or latest Revision	

E. Operational Suitability Data

Master Minimum Equipment List (MMEL)	172MMELEU, Initial Issue, EASA approved
	24 November 2015, or any later EASA approved
	issue.

F. Notes

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis, Note 6) must be installed in the airplane for certification.

NOTE 1: Weight and Balance:

Serial Nos.T20608001 through 20608361 :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 10.8862 kg (24 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

Serial Nos.T20608362 and on :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 13.6078 kg (30 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

NOTE 2: FAA Approved Airplane Flight Manual (AFM), or Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM): Part number T206HPHUS00 or later FAA approved revisions are applicable to the Model T206H. The Airplane must be operated according to the appropriate AFM or POH/AFM. Required placards are included in the AFM or POH/AFM.

FAA Approved Airplane Flight Manual (AFM): Part Number T206HPHAUS-00 (or later FAA approved revisions) are applicable to the Model T206H equipped with Garmin



TE.CERT.00048-001 © European Aviation Safety Agency, 2018. All rights reserved. ISO9001 Certified. Page 15 of 19 Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. G1000 Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM.

FAA Approved Airplane Flight Manual (AFM): Part Number T206HPHBUS-00 (or later FAA approved revisions) are applicable to the Model T206H equipped with Garmin G1000 Integrated Cockpit System and Garmin GFC-700 AFCS. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM.

- NOTE 3: The CHT probe must be installed on Head #5.
- NOTE 4: Model T206H airplanes, serial numbers T20608101 through T20608158 may differ structurally and are, therefore, not eligible for any weight increases above the approved maximum takeoff weight limit of 3,600 pounds unless compliance with Cessna Document AI206-57-01 (latest revision) has been accomplished and documented with an appropriate logbook entry. Any exceptions must first be coordinated with the Wichita Aircraft Certification Office.
- NOTE 5: Special Ferry Flight Authorization. Flight Standards District Offices are authorized to issue Special overweight ferry flight authorizations. This airplane is structurally satisfactory for ferry flight if maintained within the following limits: (1) Takeoff weight must not exceed 130% of the maximum weight for Normal Category, and (2) The Never Exceed Airspeed (V_{NE}) and Maximum Structural Cruising Speed (V_C) must be reduced by 30%; and (3) Forward and aft center of gravity limits may not be exceeded; and (4) Structural load factors of 2.5 g. to -1.0 g. may not be exceeded. Requirements for any additional oil should be established in accordance with Advisory Circular AC23.1011-1. Increased stall speeds and reduced climb performance should be expected for the increased weights. Flight characteristics and performance at the increased weights have not been evaluated. Flight Permit for operations of overweight aircraft may be found in Advisory Circular AC21-4B.

NOTE 6: FAA Certification Basis (Model T206H)

Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6, except as follows:

FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amendment 23-7.
FAR 23.807 and 23.1524 as amended by Amendment 23-10.
FAR 23.507; 23.771; 23.853(a),(b) and (c); and 23.1365 as amended by Amendment 23-14.
FAR 23.951 as amended by Amendment 23-15.
FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amendment 23-17.
FAR 23.1301 as amended by Amendment 23-20.
FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amendment 23-23.
FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amendment 23-23.
FAR 23.779 and 23.781 as amended by Amendment 23-28.
FAR 23.1; 23.51 and 23.561 as amended by Amendment 23-34.

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FAR 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735; and 23.831 as amended by Amendment 23-42. FAR 23.961; 23.1093; 23.1107(b); 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amendment 23-43. FAR 23.562(a), 23.562(b)2, 23.562(c)1, 23.562(c)2, 23.562(c)3, and 23.562(c)4 as amended by Amendment 23-44. FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amendment 23-45. FAR 36 dated December 1, 1969, as amended by Amendments 36-1 through 36-21. Additions for the Gamin G1000 Integrated Cockpit System (ICS) only: 14 CFR 23.303; 23.307; 23.601; 23.1163(a)(1)(2); 23.1367 and 23.1381 as amended by Amendment 23-N/C. 14 CFR 23.1589 as amended by Amendment 23.13. 14 CFR 23.771(a) as amended by Amendment 23.14. 14 CFR 23.607 and (Electrical System) 23.1309(a)(1)(2), (c) as amended by Amendment 23-17. 14 CFR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20. 14 CFR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21. 14 CFR 23.603 and 23.605 as amended by Amendment 23-23. 14 CFR 23.1529 as amended by Amendment 23-26. 14 CFR 23.561(e); 23.1523; 23.1581(a)(2); 23.1538(a)(1), (a)(2), (b)(h) and 23.1585(a)(b)(d) as amended by Amendment 23-34. 14 CFR 23.301 as amended by Amendment 23-42. 14 CFR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43. 14 CFR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45. 14 CFR 23.1303(a)(b)(c)(f); 23.1309(a)(1)(i), (a)(1)(ii), (a)(2), (b)(1), (b)(2)(i), (b)(2)(ii), (b)(3), (b)(4)(i), (b)(4)(ii), (b)(4)(iii), (b)(4)(iv), (c)(1), (c)(2)(iii), (c)(3), (d), (e), (f)(1); 23.1311; 23.1321(a)(c)(d)(e); 23.1323(a), (b)(1), (b)(2), (c); 23.1329(g)(h); 23.1351(a)(1), (a)(2)(i), (b)(1)(iii), (b)(2)(3), (c)(4), (d)(1); 23.1353(a)(b)(c)(d)(e); 23.1359(c); 23.1361; 23.1365(a)(b)(d)(e)(f) and 23.1431 (a)(b)(d)(e) as amended by Amendment 23-49. 14 CFR 23.1325(a), (b)(1), (b)(2)(i), (b)(3), (c)(d)(e); 23.1543(b)(c); 23.1545(a), (b)(1), (b)(2), (b)(3), (b)(4); 23.1553; 23.1555(a)(b); 23.1563(a) and 23.1567(a) as amended by Amendment 23.50. 14 CFR 23.777(a)(b); 23.955(a)(2); 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23.51. 14 CFR 23.1305(a)(1), (a)(2), (a)(3), (b)(2), (b)(3)(i), (b)(4)(i), (b)(5), (b)(6)(i) as amended by Amendment 23-52. 14 CFR 23.901 (a)(b) as amended by Amendment 23-53.

Additions for the Garmin GFC-700 Automatic Flight Control System (AFCS) only:

14 CFR 23.1335 as amended by Amendment 23-20, 14 CFR 23.1329 (a)(c)(d)(e)(f) as amended by Amendment 23-49.

Equivalent Safety Items:

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- (1) Throttle Control FAR § 23.1143(g), Number 97-4, FAA letter October 1, 1998
- (2) Mixture Control FAR § 23.1147(b), Number 97-4, FAA letter October 1, 1998
- (3) Fuel Tank Sump FAR § 23.971, Number ACE-02-03, FAA letter January 3, 2002 (Units T20608362 and on)
- (4) Anticollision Lights
 FAR§23.1401(d), Number ACE-02-02, FAA letter January 3, 2002 (Units T20608362 and on)
- (5) Aviation White Color 14CFR§23.1397(c), Refer to ACE-07-12, FAA letter 11/29/07

Date of Application for Amended Type Certificate was October 30, 1996. Type Certificate No. A4CE was amended October 1, 1998.

Special Conditions as follows:

No. 23-150-SC, (Special Conditions: Cessna Aircraft Company; Cessna Model 206H Airplane; Installation of Electronic Flight Instrument System and the Protection of the System From High Intensity Radiated Fields (HIRF)

NOTE 7: Production Basis (Model T206H)

Production Certificate No. PC-4 issued November 25, 1998. Applies to airplane serial numbers T20608001 and on. Textron Aviation Inc. is authorized to issue airworthiness certificates under the delegation provisions of Delegation Option Authorization No. CE-1 in accordance with Part 21 of the Federal Aviation Regulations.

- NOTE 8. The following serials are manufactured under the name Cessna Aircraft Company: T20608001 thru T20609184.
- NOTE 9. Company name change effective 7/29/15. The following serials are manufactured under the name Textron Aviation Inc.: T20609185 and On.

SECTION 3: Reserved



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ADMINISTRATIVE SECTION

I. Acronyms

AFM	Airplane Flight Manual
Amdt.	Amendment
AMM	Airplane Maintenance Manual
EASA	European Aviation Safety Agency
MMEL	Master Minimum Equipment List
РОН	Pilot's Operating Handbook
SC	Special Condition
TAI	Textron Aviation Inc.
ТС	Type Certificate
TCDS	Type Certificate Data Sheet

II. Type Certificate Holder Record

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

III. Change Record

Issue	Date	Change	TC issue no &
			date
1	Sept. 2005	Initial	Sept. 2005
4	17.03.2008	-	-
5	14.04.2008	-	-
6	17.12.2015	Transfer of Type Certificate Holder and of Production	17.12.2015
		Organisation, new Section E with OSD data introduced	
7	21.06.2018	Alignment of Type Name	21.06.2018

