



BY TEXTRON AVIATION

Pilot's Operating Handbook And FAA Approved Airplane Flight Manual **STATIONAIR** **TC**

CESSNA MODEL T206H
NAV III AVIONICS OPTION - GFC 700 AFCS
Serials T20608682 and T20608705 and On
SUPPLEMENT 22
HOT WEATHER OPERATIONS

SERIAL NO. _____
REGISTRATION NO. _____

This supplement must be inserted into Section 9 of the Pilot's Operating Handbook and FAA Approved Airplane Flight Manual for Hot Weather Operations.

APPROVED BY Brian Richardet, ODA Deputy Administrator
Textron Aviation Inc.
Organization Designation Authorization ODA-100129-CE
FAA Approved Under 14 CFR Part 183 Subpart D



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WICHITA, KANSAS, USA

14 APRIL 2023

T206HPHBUS-S22-00

U.S. S22-1

SUPPLEMENT 22

HOT WEATHER OPERATIONS

Use the Log of Effective Pages to determine the current status of this supplement.

Pages affected by the current revision are indicated by an asterisk (*) preceding the page number.

<u>Supplement Status</u>	<u>Date</u>
Original Issue	14 April 2023

LOG OF EFFECTIVE PAGES

Page Number	Page Status	Revision Number
S22-1 thru S22-12	Original	0

SERVICE BULLETIN CONFIGURATION LIST

The following is a list of Service Bulletins that are applicable to the operation of the airplane, and have been incorporated into this supplement. This list contains only those Service Bulletins that are currently active.

<u>Number</u>	<u>Title</u>	<u>Airplane Serial</u> <u>Effectivity</u>	<u>Revision</u> <u>Incorporated</u>	<u>Incorporated</u> <u>in Airplane</u>
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HOT WEATHER OPERATIONS

GENERAL

This supplement must be placed in Section 9 of the basic Pilot's Operating Handbook and FAA Approved Airplane Flight Manual for hot weather operations. The information contained herein supplements the information of the basic Pilot's Operating Handbook and FAA Approved Airplane Flight Manual. Limitations, procedures, and performance found in this supplement supersedes those found in the basic Pilot's Operating Handbook and FAA Approved Airplane Flight Manual. For limitations, procedures, and performance information not contained in this supplement, consult the basic Pilot's Operating Handbook and FAA Approved Airplane Flight Manual.

OPERATING LIMITATIONS

There is no change to the airplane operating limitations when used for hot weather operations.

EMERGENCY PROCEDURES

There is no change to the airplane emergency procedures when used for hot weather operations.

NORMAL PROCEDURES

There is no change to the airplane normal procedures when used for hot weather operations.

PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3600 POUNDS

Serials T20608682 and T20608705 thru T20608882
 not incorporating SB09-34-11

CONDITIONS:

Flaps 20°

2500 RPM, 39 in. hg. and mixture set at 34 GPH prior to brake release.

Cowl Flaps OPEN

Paved, Level, Dry Runway

Zero Wind

Lift Off: 64 KIAS

Speed at 50 ft: 74 KIAS

Pressure Altitude Feet	10°C		20°C		30°C		40°C		50°C	
	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst
S.L.	885	1685	945	1800	1015	1920	1085	2050	1155	2185
1000	940	1785	1010	1905	1080	2035	1155	2170	1230	2315
2000	1005	1890	1075	2020	1150	2160	1230	2305	1315	2455
3000	1070	2005	1150	2145	1230	2290	1315	2445	1400	2610
4000	1145	2125	1225	2275	1310	2430	1400	2595	1495	2770
5000	1220	2255	1310	2415	1400	2580	1500	2765	1610	2960
6000	1305	2395	1405	2570	1505	2760	1615	2955	1730	3165
7000	1405	2560	1510	2750	1620	2950	1735	3160	1860	3385
8000	1510	2735	1625	2940	1740	3155	1865	3380	1995	3615

NOTE

- Short field technique as specified in Section 4.
- Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2.5 knots.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

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PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3600 POUNDS

Serials T20608682 and T20608705 thru T20608882
 incorporating SB09-34-11 and Serials T20608883 and On

CONDITIONS:

Flaps 20°

2500 RPM, 39 in. hg. and mixture set at 34 GPH prior to brake release.

Cowl Flaps OPEN

Paved, Level, Dry Runway

Zero Wind

Lift Off: 57 KIAS

Speed at 50 ft: 69 KIAS

Pressure Altitude Feet	10°C		20°C		30°C		40°C		50°C	
	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst
S.L.	885	1685	945	1800	1015	1920	1085	2050	1155	2185
1000	940	1785	1010	1905	1080	2035	1155	2170	1230	2315
2000	1005	1890	1075	2020	1150	2160	1230	2305	1315	2455
3000	1070	2005	1150	2145	1230	2290	1315	2445	1400	2610
4000	1145	2125	1225	2275	1310	2430	1400	2595	1495	2770
5000	1220	2255	1310	2415	1400	2580	1500	2765	1610	2960
6000	1305	2395	1405	2570	1505	2760	1615	2955	1730	3165
7000	1405	2560	1510	2750	1620	2950	1735	3160	1860	3385
8000	1510	2735	1625	2940	1740	3155	1865	3380	1995	3615

NOTE

- Short field technique as specified in Section 4.
- Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2.5 knots.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

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PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3300 POUNDS

Serials T20608682 and T20608705 thru T20608882
 not incorporating SB09-34-11

CONDITIONS:

Flaps 20°

2500 RPM, 39 in. hg. and mixture set at 34 GPH prior to brake release.

Cowl Flaps OPEN

Paved, Level, Dry Runway

Zero Wind

Lift Off: 61 KIAS

Speed at 50 ft: 71 KIAS

Pressure Altitude Feet	10°C		20°C		30°C		40°C		50°C	
	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst
S.L.	725	1410	775	1505	830	1600	885	1705	945	1815
1000	770	1490	825	1590	885	1695	945	1805	1010	1925
2000	825	1580	880	1685	945	1795	1010	1915	1075	2040
3000	880	1670	940	1785	1005	1905	1075	2030	1145	2160
4000	935	1770	1005	1895	1075	2020	1145	2150	1225	2290
5000	1000	1880	1070	2005	1145	2140	1225	2290	1310	2445
6000	1070	1995	1150	2135	1230	2285	1320	2445	1410	2610
7000	1150	2130	1235	2280	1325	2440	1420	2610	1515	2785
8000	1235	2270	1325	2435	1425	2605	1525	2785	1630	2975

NOTE

- Short field technique as specified in Section 4.
- Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2.5 knots.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

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PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3300 POUNDS

Serials T20608682 and T20608705 thru T20608882
 incorporating SB09-34-11 and Serials T20608883 and On

CONDITIONS:

Flaps 20°
 2500 RPM, 39 in. hg. and mixture set at 34 GPH prior to brake release.
 Cowl Flaps OPEN
 Paved, Level, Dry Runway
 Zero Wind

Lift Off: 54 KIAS
 Speed at 50 ft: 65 KIAS

Pressure Altitude Feet	10°C		20°C		30°C		40°C		50°C	
	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst
S.L.	725	1410	775	1505	830	1600	885	1705	945	1815
1000	770	1490	825	1590	885	1695	945	1805	1010	1925
2000	825	1580	880	1685	945	1795	1010	1915	1075	2040
3000	880	1670	940	1785	1005	1905	1075	2030	1145	2160
4000	935	1770	1005	1895	1075	2020	1145	2150	1225	2290
5000	1000	1880	1070	2005	1145	2140	1225	2290	1310	2445
6000	1070	1995	1150	2135	1230	2285	1320	2445	1410	2610
7000	1150	2130	1235	2280	1325	2440	1420	2610	1515	2785
8000	1235	2270	1325	2435	1425	2605	1525	2785	1630	2975

NOTE

- Short field technique as specified in Section 4.
- Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2.5 knots.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

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PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3000 POUNDS

Serials T20608682 and T20608705 thru T20608882
 not incorporating SB09-34-11

CONDITIONS:

Flaps 20°

2500 RPM, 39 in. hg. and mixture set at 34 GPH prior to brake release.

Cowl Flaps OPEN

Paved, Level, Dry Runway

Zero Wind

Lift Off: 57 KIAS

Speed at 50 ft: 67 KIAS

Pressure Altitude Feet	10°C		20°C		30°C		40°C		50°C	
	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst
S.L.	585	1175	625	1250	670	1330	715	1410	760	1500
1000	625	1240	665	1320	715	1405	760	1490	810	1585
2000	665	1310	710	1395	760	1485	810	1580	865	1680
3000	710	1385	760	1475	810	1570	865	1675	925	1780
4000	755	1465	810	1565	865	1665	925	1770	985	1885
5000	805	1555	865	1655	925	1765	990	1885	1055	2005
6000	860	1645	925	1760	995	1880	1060	2010	1135	2140
7000	925	1755	995	1880	1065	2005	1140	2140	1220	2280
8000	995	1870	1070	2005	1145	2140	1225	2280	1310	2430

NOTE

- Short field technique as specified in Section 4.
- Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2.5 knots.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

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PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3000 POUNDS

Serials T20608682 and T20608705 thru T20608882
 incorporating SB09-34-11 and Serials T20608883 and On

CONDITIONS:

Flaps 20°

2500 RPM, 39 in. hg. and mixture set at 34 GPH prior to brake release.

Cowl Flaps OPEN

Paved, Level, Dry Runway

Zero Wind

Lift Off: 50 KIAS

Speed at 50 ft: 61 KIAS

Pressure Altitude Feet	10°C		20°C		30°C		40°C		50°C	
	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst
S.L.	585	1175	625	1250	670	1330	715	1410	760	1500
1000	625	1240	665	1320	715	1405	760	1490	810	1585
2000	665	1310	710	1395	760	1485	810	1580	865	1680
3000	710	1385	760	1475	810	1570	865	1675	925	1780
4000	755	1465	810	1565	865	1665	925	1770	985	1885
5000	805	1555	865	1655	925	1765	990	1885	1055	2005
6000	860	1645	925	1760	995	1880	1060	2010	1135	2140
7000	925	1755	995	1880	1065	2005	1140	2140	1220	2280
8000	995	1870	1070	2005	1145	2140	1225	2280	1310	2430

NOTE

- Short field technique as specified in Section 4.
- Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2.5 knots.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

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PERFORMANCE

SHORT FIELD LANDING DISTANCE AT 3600 POUNDS

CONDITIONS:

Flaps - FULL
 Paved, Level, Dry Runway
 Zero Wind

Power - IDLE
 Maximum Braking
 Speed at 50 ft: 64 KIAS

Pressure Altitude Feet	10°C		20°C		30°C		40°C		50°C	
	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst	Gnd Roll Feet	Total Feet to Clear 50 Foot Obst
S.L.	720	1375	750	1415	775	1450	800	1490	825	1525
1000	750	1415	775	1450	800	1490	830	1530	855	1565
2000	775	1455	805	1495	830	1530	860	1575	885	1610
3000	805	1495	835	1540	865	1580	890	1615	920	1660
4000	835	1540	865	1580	895	1625	925	1665	955	1710
5000	870	1585	900	1630	930	1675	960	1715	990	1760
6000	900	1630	935	1680	965	1725	995	1770	1030	1815
7000	935	1680	970	1730	1000	1775	1035	1825	1070	1870
8000	970	1730	1005	1780	1040	1830	1075	1880	1110	1930

NOTE

- Short field technique as specified in Section 4.
- Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2.5 knots.
- For operation on dry, grass runway, increase distances by 40% of the "ground roll" figure.
- If landing with flaps UP, increase the approach speed by 9 KIAS and allow for 45% longer distances.