Cessna
BY TEXTRON AVIATION

Pilot's Operating Handbook And FAA Approved Airplane Flight Manual

STATIONAIR

CESSNA MODEL 206H

NAV III AVIONICS OPTION - GFC 700 AFCS

Serials 20608279 and 20608284 and On

SUPPLEMENT 20
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

Member of GAMA

14 APRIL 2023

SUPPLEMENT 20

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.

Supplement Status	**Date**
Original Issue	14 April 2023

LOG OF EFFECTIVE PAGES

Page Number	Page Status	Revision Number
S20-1 thru S20-9/S20-10	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.

Number	Title	Airplane Serial Effectivity	Revision Incorporated	Incorporated in Airplane

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

CONDITIONS:
Flaps 20° — Cowl Flaps OPEN
2700 RPM, Full Throttle and mixture set prior to brake release.
Paved, Level, Dry Runway — Lift Off: 56 KIAS
Zero Wind — Speed at 50 ft: 72 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.	880	1795	940	1925	1010	2065	1075	2210	1150	2370
1000	960	1970	1025	2115	1100	2270	1175	2440	1255	2620
2000	1045	2170	1120	2335	1200	2510	1285	2700	1375	2910
3000	1145	2400	1225	2585	1315	2790	1405	3010	1505	3255
4000	1250	2665	1345	2880	1440	3120	1540	3380	1650	3670
5000	1370	2980	1475	3235	1580	3515	1695	3825	1810	4185
6000	1505	3355	1620	3660	1735	4005	1860	4395	1995	4860
7000	1655	3820	1780	4200	1915	4640	2050	5165	2200	5820
8000	1825	4420	1965	4920	2110	5525	---	---	---	---
9000	2015	5250	2170	5975	---	---	---	---	---	---

NOTE

- Short field technique as specified in Section 4.
- Prior to takeoff, the mixture should be leaned to the Maximum Power Fuel Flow schedule in a full throttle, static run-up.
- Decrease distances 10% for each 9 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2 knots.
- Where distance value has been deleted, climb performance after lift-off is less than 150 FPM at takeoff speed.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

(Continued Next Page)

PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3300 POUNDS

CONDITIONS:
Flaps 20° — Cowl Flaps OPEN
2700 RPM, Full Throttle and mixture set prior to brake release.
Paved, Level, Dry Runway — Lift Off: 54 KIAS
Zero Wind — 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.	720	1460	770	1560	825	1665	880	1780	940	1900
1000	785	1595	840	1705	895	1825	960	1955	1025	2090
2000	855	1750	915	1875	980	2005	1045	2150	1115	2305
3000	930	1920	1000	2060	1070	2210	1145	2375	1220	2550
4000	1020	2120	1090	2275	1170	2450	1250	2635	1340	2835
5000	1115	2345	1195	2525	1280	2725	1370	2940	1465	3175
6000	1225	2610	1310	2820	1405	3050	1505	3300	1610	3585
7000	1340	2920	1440	3165	1545	3440	1655	3745	1775	4095
8000	1475	3295	1585	3590	1705	3925	1825	4310	1955	4760
9000	1625	3760	1750	4130	1880	4560	2015	5070	2160	5170
10000	1795	4360	1935	4845	2075	5445	2230	6215	---	---

NOTE

- Short field technique as specified in Section 4.
- Prior to takeoff, the mixture should be leaned to the Maximum Power Fuel Flow schedule in a full throttle, static run-up.
- Decrease distances 10% for each 9 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2 knots.
- Where distance value has been deleted, climb performance after lift-off is less than 150 FPM at takeoff speed.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

(Continued Next Page)

PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3000 POUNDS

CONDITIONS:
Flaps 20° — Cowl Flaps OPEN
2700 RPM, Full Throttle and mixture set prior to brake release.
Paved, Level, Dry Runway — Lift Off: 51 KIAS
Zero Wind — Speed at 50 ft: 66 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.	580	1170	620	1250	665	1330	705	1420	755	1510
1000	630	1275	675	1360	720	1455	770	1550	820	1650
2000	685	1390	735	1485	785	1590	840	1695	895	1810
3000	750	1520	800	1630	855	1740	915	1860	980	1990
4000	815	1670	875	1790	935	1915	1000	2050	1070	2195
5000	895	1835	955	1970	1025	2110	1095	2265	1170	2430
6000	975	2025	1050	2175	1120	2340	1200	2515	1285	2705
7000	1070	2245	1150	2415	1230	2605	1320	2805	1410	3030
8000	1175	2500	1260	2700	1355	2915	1450	3155	1550	3420
9000	1295	2800	1390	3030	1490	3290	1595	3575	1710	3900
10000	1425	3160	1530	3440	1645	3755	1760	4110	1890	4530

NOTE

- Short field technique as specified in Section 4.
- Prior to takeoff, the mixture should be leaned to the Maximum Power Fuel Flow schedule in a full throttle, static run-up.
- Decrease distances 10% for each 9 knots headwind. For operation with tail winds up to 10 knots, increase distances 10% for each 2 knots.
- Where distance value has been deleted, climb performance after lift-off is less than 150 FPM at takeoff speed.
- For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

(Continued Next Page)

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: 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.	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
9000	1010	1790	1045	1840	1080	1890	1115	1945	1155	1995
10000	1050	1845	1085	1900	1125	1950	1160	2005	1200	2060

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 by 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 11 KIAS and allow for 45% longer distances.