

1701H

Nice Air
FAA Approved Repair Station #: NZDR287K
2575 Robert Fowler Way
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Weight and Balance, Equipment list Revision.

Make: Bellanca Aircraft Corporation Tach : 2871.9
Model : 7KCAB W.O.#: 101602
Reg #: N1701H Date: 10-28-2002

Note: This document superseded Weight and Balance dated 01-20-96.

	Weight	Arm	Moment
Aircraft Original Empty Weight Including Oil	1220.0	10.15	12291.0
Removed			
Terra 760D Comm Radio	- 2.0	- 5.0	10.0
Terra TRT 250D Transponder	- 2.0	- 5.0	10.0
Wheel Pants	-14.0	0.0	0.0
II Morrow GPS	- 3.0	- 5.0	15.0
Installed			
Icom IC-A200-100 VHF Radio	+ 2.4	- 5.0	- 12.0
Germin GTX-320A Transponder	+ 2.3	- 5.0	- 11.5
ACK A-30 Blind Encoder	+ 0.4	- 5.0	- 2.0
	1204.1	+10.21	12300.5

Maximum Gross Weight: 1750.0 LB
New Empty Weight (Oil Included) 1204.1 LB
New Center of Gravity: + 10.21"
Useful Load: 545.9 LB



Kazuaki Tanabe Date

Citabria Model 7GCAA

Flight Operations

Airspeed Limitations

	<u>CAS (mph)</u>
Stall Speed	52
Best Rate of Climb Speed (Sea Level)	77

CAS - Calibrated airspeed is indicated airspeed corrected for installation and instrument error

Weight and Balance Limits

Consult aircraft records for weight and balance data for this aircraft.

Aircraft Weight and Center of Gravity Range (inches)

<u>Weight</u>	<u>Normal Category</u>	<u>Acrobatic Category</u>
1750 lbs. maximum	14.2 - 18.2	14.2 - 16.3
1325 lbs. or less	10.5 - 18.2	10.5 - 16.3

All measurements are aft of the datum line which is the wing leading edge. Center of gravity limits have straight line variation between these points.

Flight Load Factors (1750 lbs. normal or acrobatic category)

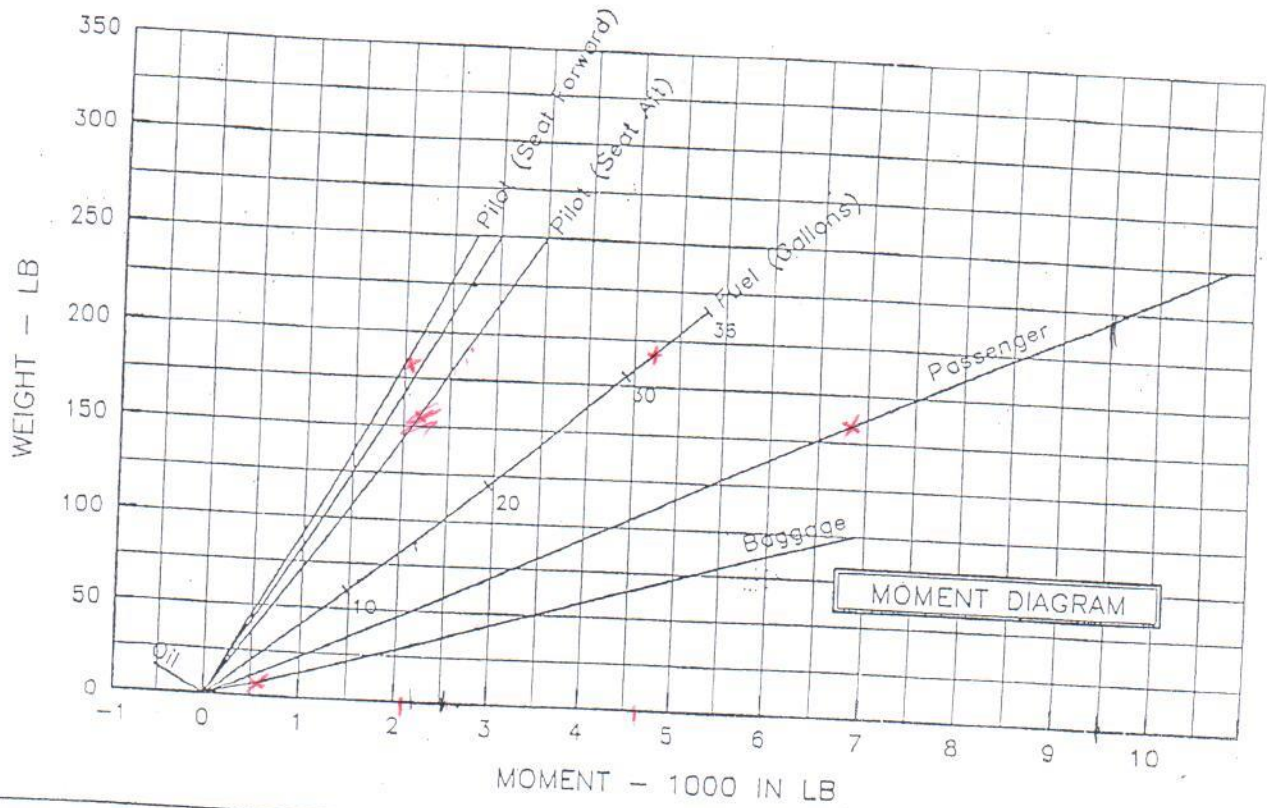
Positive Load Factor	+ 5.0 g's maximum
Negative Load Factor	- 2.0 g's maximum

Do not exceed 135 mph IAS during negative g-load condition.
Do not perform acrobatics in turbulent air.

Noise Characteristics

The noise level for the 7GCAA and 7KCAB measured in accordance with FAR 36, Appendix G is 70.522 dB(A) at full throttle. The noise level for the 7ECA measured in accordance with FAR 36, Appendix G is 67.0 dB(A) at full throttle.

No determination has been made by the Federal Aviation Administration that the noise levels of this airplane are or should be acceptable or unacceptable for operation at, into, or out of, any airport.



Add weights and moments of items in MOMENT DIAGRAM to airplane empty weight and moment. (negative oil moment) Locate intersection of total weight and moment on AIRPLANE LOADING ENVELOPE. Any point falling within the envelope meets all balance requirements.

