



THE SERVICENTER, INC.

Wiley Post Airport
7301 N.W. 50th STREET • OKLAHOMA CITY, OK 73132-9702

The ServiCenter, Inc. CRS# V5SR2170

NOTE: This sheet supercedes Weight & Balance Sheet dated: 10-12-2006

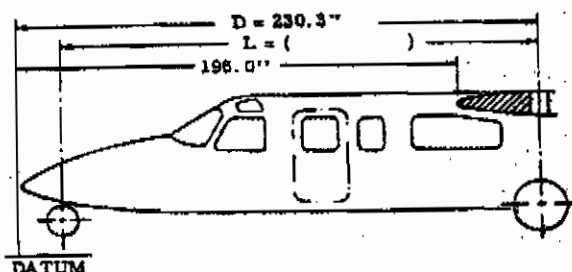
AIRCRAFT WEIGHT & BALANCE STATEMENT

Reg. Number: N55JS

s/n: 11195

Model: 690A

Date: 10-15-2006



AIRPLANE AS WEIGHED C.G.

D = 230.3

L = 211.9

AIRCRAFT AS WEIGHED CONDITION

FUEL: Drained

OIL: Full

AIRCRAFT MUST BE LEVEL WHEN WEIGHED

	REACTION	WEIGHT	TARE	NET
F	NOSE WHEEL	573	0	573
	LH MAIN WHEEL	3,319	0	3,319
	RH MAIN WHEEL	3,290	0	3,290
W	TOTAL WEIGHT	7,182		7,182

$$C.G. = D - (F \times L) / W$$

$$C.G. = 216.6$$

AIRCRAFT WEIGHT AND CENTER OF GRAVITY CALCULATIONS

ITEM	WEIGHT	ARM	MOMENT
AIRCRAFT AS WEIGHED 10-15-2006	7,182.0	216.6	1,555,621.2
ADD UNUSABLE FUEL WEIGHT	31.0	231.0	7,161.0
BASIC EMPTY WEIGHT	7,213.0	216.7	1,562,782.2

$$USEFUL\ LOAD = 10,300 - 7,213 = 3,087\ lbs$$

Nicholas Hawker for CRS# V5SR2170

10/15/2006 WO# 603824, 603866

NOTE: It is the responsibility of the aircraft owner and the pilot to ensure that the aircraft is loaded properly. The Basic Empty Weight, Basic Empty Weight C.G., and Useful Load are noted on this page for this aircraft. If the aircraft has been altered, refer to the latest approved Repair & Alteration Form (FAA 337) and/or Airframe Log Book for Revisions to this report.

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Aircraft Weight and Balance Report

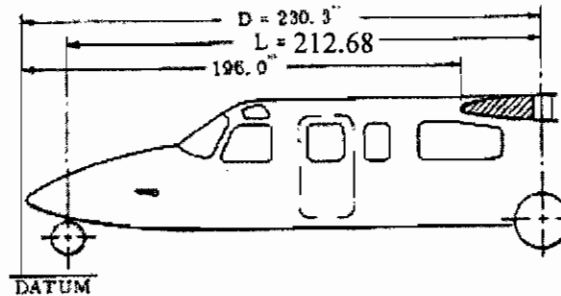
Aircraft as Weighed Data

Condition: Fuel Drained Oil Full

Aircraft Must Be Level When Weighed

Scale Readings

Reaction		Weight	Tare	Net
Nose Wheel	F	573	0	573
Left Main Wheel		3319	0	3319
Right Main Wheel		3290	0	3290
Total Weight	W	7182		7182



$$C.G. = D - \frac{(F \times L)}{W}$$

$$C.G. = 230.3 - \frac{(573 \times 212.68)}{7182} = 213.33$$

Aircraft Weight and Center of Gravity Calculations

Item	Weight	Arm	Moment
Aircraft as Weighed 10/15/2006 By The ServiCenter Inc. WO# 603824, 603866	7182	213.33	1532136
Drainable Oil	-21	188.0	-3948
Corrected Empty Weight	7161	213.40	1528188
Un-drainable Oil	-4.0	188.0	-752
Unusable Fuel			
Hydraulic Fluid	-31.0	279.2	-8655
Dry Empty Weight (Equipped)	7126	213.23	1519461

$$\text{Useful Load} = 10,300 - 7161 = 3,139 \text{ LBS}$$

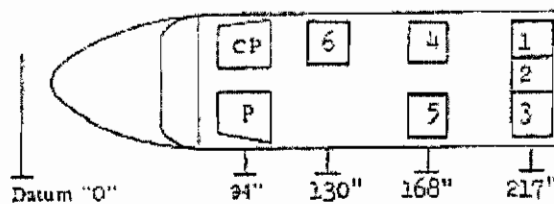
Loading Sub-Total

Item	Weight	Arm	Moment
Corrected Empty Weight	7161	213.4	1528188
Drainable Oil	21	188.0	3948
Pilot Weight	170	94.0	15980
Loading Sub-Total	7352	210.57	1548116

Aircraft Weight and Moment Tables

Loading Calculation Tables (To be added to Loading Sub-Total)

Factory recommended passenger locations.



SEATING PLAN "A"

Loading Schedule

Item	Weight	Moment
Loading Sub-Total	7352	1548116
Co-Pilot	170	15980
Passengers		
4	170	28560
5	170	28560
Baggage (Estimated)	200	52000
Weight Less Fuel	8062	1673216
Total Fuel (Std.)	2606	598337.6
Total Fuel (Slipper Tank STC)	670	139862.5
Ramp Weight	11,338	2411416.1
Less Fuel for Start, Taxi and Take-off	-50	-11480

Loading Schedule (Cont'd)

Take-off Weight	11,288	2422896.1
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The Type Certificate Data Sheet shows a maximum take-off weight of 10,250 lbs.

The Loading Schedule shows that the aircraft would have been approximately 1,038 lbs above the maximum take-off weight.

The Forward C.G. Moment limit is 2183000 or 212.97" aft of the datum at 10,250 lbs.

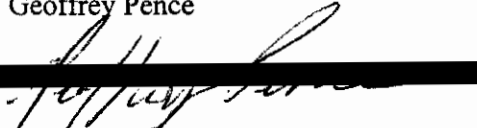
The Aft C.G. Moment limit is 2241000 or 218.63" aft of the datum at 10,250 lbs.

The Loading Schedule also shows the Moment at 2422896.1 or 214.64" aft of the datum at 11,288 lbs.

This report was generated utilizing data provided by The ServiCenter, Inc., Tom's Aircraft Flight Manual Supplement and the original Rockwell Turbo Commander Model 690A Aircraft Weight and Balance Report for Serial Number 11195. It does not reflect actual weight of baggage, loose equipment, crew, passengers or location in the aircraft.

Report prepared by:

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Cc: Aircraft File S/N 11195