

D-9956 Estimated Weight and Balance

Item	Weight (lbs.)	Arm (Inches)	Moment (Inch lbs.)
Basic Empty Weight	2406.7	80.69	194197
Front Seat Occupant 1	200	82.00	16400
Front Seat Occupant 2	200	82.00	16400
3rd Seat Occupant	200	120.00	24000
4th Seat Occupant	200	120.00	24000
Baggage	100	150.00	15000
Zero Fuel Weight	3306.7		289997
Fuel	644	75.00	48300
Less Fuel for Start, Taxi and Run up	-13	75.00	-975
Take-off condition	3937.7		337322

Take-off C.G.		85.66
Forward C.G. Limit (At 2500 lbs.)		77.00
Forward C.G. Limit (At 2900 lbs.)		77.00
Forward C.G. Limit (At 3600 lbs.)		82.10
Aft C.G. Limit (At 3600 lbs.)		83.80
Aft C.G. Limit (At 3000 lbs.)		85.70
Aft C.G. Limit (At 2500 lbs.)		85.70
Maximum Take-off Weight	3600	

According to The STC the G.C. is a straight line variation between points
 These C.G. wimits were taken from the Flight Manual supplement for the Brittain Tip tank installation

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Zero Fuel Weight	3306.7		289997
Fuel	444	75.00	33300
Less Fuel for Start, Taxi and Run up	-13	75.00	-975
Take-off condition	3737.7		322322

Take-off C.G.		86.24
Forward C.G. Limit (At 2500 lbs.)		77.00
Forward C.G. Limit (At 2900 lbs.)		77.00
Forward C.G. Limit (At 3600 lbs.)		82.10
Aft C.G. Limit (At 3600 lbs.)		83.80
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