Aircraft Make/Model: **Just Aircraft JA35 SuperSTOL** Serial #: **JA584-04-20**

Registration #: **N28BA**

Owner's Name: **Gerald Keith Colmer Jr**

Address: **636 Burkelo Road** City: **Wagener** State: **South Carolina** Zip: **29164**

Datum location: **Lead edge of wing with slats closed**.

Leveling means: **Cockpit rails level**

EMPTY WEIGHT CALCULATIONS

Item	Scale reading	Tare	Weight (lbs)	Arm (inches)	Moment (Inch-lbs)
Left wheel	537		537	-3.75	-2013.75
Right wheel	491		491	-3.75	-1841.25
Tailwheel	94.5		94.5	186	17577

Empty weight: **1122.5 lbs**. Total Moment: **13722**

EMPTY WEIGHT C.G. LOCATION: **12.22 inches**.

Aircraft Weighed By: Chris Wallen

Date of weighing: 8 January 2026

FORWARD AND REARWARD C.G. EXTREMES at New Max Gross Weight (1750lbs)

Most Forward Loading (c.g.) tested and Most Rearward Loading (c.g.) tested

Item	Weight (lbs)	Arm (in)	Moment		Weight (lbs)	Arm (in)	Moment
A/C Empty Weight	1122.5	12.22	13722		1122.5	12.22	13722
Pilot	230	20	4600		230	20	4600
Pax Ballast	240	20	4800		150	20	3000
Fuel	156	15	2340		156	15	2340
Baggage 1	-	55	0		50	55	2750
Baggage 2	-	75	0		40	75	3000
Totals	**1749.5**	**14.56**	**25462**		**1748.5**	**16.82**	**29412**

Forward C.G. **14.56** inches

Rearward C.G. **16.82** inches

*No specified maximum weight limit for baggage floor in POH – 90lbs was max tested. This sets maximum aft c.g. tested.

C.G. Limits for <**1550 lbs** (original limits):

Forward limit is: **12.5 inches** %C.G. **24.5 %**

Rearward limit is: **19.0 inches** %C.G. **37.3 %**

C.G. Limits for >1550 lbs (up to 1750 lbs, based on testing completed):

Forward limit is: **14.56 inches**

Rearward limit is: **16.82 inches**

Normal Maximum Loading Example:

A/C Empty Weight plus oil	**1122.5 lbs.**
Pilot & Passenger	**450 lbs.**
Baggage, maximum station 1	**21.5 lbs.**
Fuel, maximum (26 gallons max)	**156 lbs.**
TOTAL:	**1750 lbs.**