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N628FN Weight and Balance Computations
 Based on N628FN Owner's Manual
 Information as of April 2021

Weight and Balance	Weight (lbs)	CG Arm (inches)	Moment (lb*ins/1000)
Basic Empty Weight <i>(including unusable fuel and full oil)</i>	1904.6	37.7	71.86207
Usable fuel: Max 88 gal (64 to tabs): 62	372	46.5	17.298
Pilot and front passenger <i>(station 37 in)</i>	400	37	14.8
Rear passengers <i>(station 74 in)</i>	380	74	28.12
Baggage area 1 <i>(max 120 lbs) (station 97 in)</i>	10	97	0.97
Baggage area 2 <i>(max 80 lbs) (station 116.0 in)</i>	10	116	1.16
Baggage area 3 <i>(max 80 lbs) (station 129.0 in)</i>	0	NaN	0
RAMP WEIGHT AND MOMENT	3076.6	43.622853	134.21007
Fuel allowance for engine start, taxi, and run-up	-10.0	46.5	-0.50
TAKEOFF WEIGHT AND MOMENT <i>(max 3100 lbs)</i>	3066.6	43.602057	133.71007
Center of Gravity Moment Envelope	Min. CG 40.382499		
	Max. CG 46		
	Normal category		

Start by entering the number of gallons of fuel. Then tab through the fields entering the weight for each remaining item. The arms will automatically be entered and the individual moments computed. The totals and C.G. will be calculated and analyzed for out-of-range conditions.

*The PIC is responsible for performing Weight & Balance
using current Aircraft and POH information, as well as proper loading of the aircraft.
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