

Aircraft Weight & Balance

N9333K
SN 34-7670198

Monday, December 19, 2011

NEW WEIGHT & BALANCE

Airplane "Basic" Empty Weight

Notes

Weighed with empty fuel tanks, full oil, and #3 and #4 seat removed.

As Weighted	WEIGHT	ARM	MOMENT
Nose Gear	889.00	25.50	22669.50
Left Main Gear	1120.00	109.80	122976.00
Right Main Gear	1125.00	109.80	123525.00
Unusable Fuel	30.00	103.00	3090.00
#3 and #4 seats	47.60	124.40	5921.44
			0.00
TOTALS	3211.60	86.62	278181.94
Airplane "Basic" Empty Weight *			
NEW EMPTY WEIGHT:	3211.60		
NEW C/G Arm:	86.62		
NEW MOMENT:	278181.94		
AS WEIGHED *****			

MAX GROSS = 4570 lbs

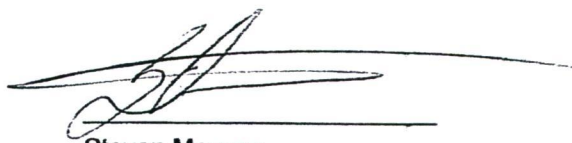
Useful

Load = $\frac{4570 - 3211.6}{1}$ lbs

Payload with

Full Fuel = 620.4 lbs

(Full Fuel 738 lbs So $\frac{620.4}{+738}$)
 1358.4 useful Load



Steven Morgan
 Epps Air Service Inc.
 ESMR688D

* IF over 4342 lbs on takeoff need to burn fuel to Land at 4342 lbs or less

MAX Payload

with 0 Fuel = 788.4 lbs

(3211.6 Empty + 788.4 = 4000 zero fuel MAX)



MAX Fuel if Payload at 0 Fuel MAX $\frac{4000}{+570}$
 570 lbs (95 Gallons) 4570