

Sikorsky Model S-76A/S76C
WEIGHT AND BALANCE

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Step 1.

Aircraft "N" Number: N15460 Make: Sikorsky
Model: S-76C+ Aircraft S/N: 760477
Equipment installed when weighed:
Type of Landing Gear: Wheeled
Name of Scales: Roadrunner Scales Scale S/N: TE-1384
Scale Calibration Date: 10/2018
Location of Weighing: Opa-Locka, FL
Weighed with unusable fuel, all oils serviced full and No Ballast? Yes ← If weighed with ballast, enter "Weighed with Ballast" and actual weight and arm of ballast, here.

Step 2.

Scale Weight Area

Enter all scale readings here.

SCALE READINGS (3 EACH JACKPOINTS)

Note: Enter scale corrections in the 2nd column (S/C) if required.

	SCALE	S/C	NET
A. (FS 252.00, BL +25.00) Enter the L/H Aft (Red) jack reading here ----->	3083.0	0.0	3083.0
B. (FS 252.00, BL -25.00) Enter the R/H Aft (Green) jack reading here ----->	2948.0	0.0	2948.0
C. (FS 92.00) Enter the Fwd (Yellow) jack reading here ----->	2335.0	0.0	2335.0
TOTAL	8366.0		8366.0

LONGITUDINAL C.G. AS WEIGHED:

FS 252.00 in X (6031.0) lbs + FS 92.00 in X (2335.0) lbs = 1734632.00 = 207.34
Total Weight (lbs) 8366.0

LATERAL C.G. AS WEIGHED:

For Lateral C.G.: Left (+), Right (-)

BL +25.00 in X (3083.0) lbs + BL -25.00 in X (2948.0) = 3375.00 = 0.40
Total Weight (lbs) 8366.0

D. Note: Review C.G. Chart.

Step 3.

Ballast Area

Empty Weight =

As Weighed	8366.0
Weighed C.G.	207.34
Current Weight	8366.0
Current C.G.	207.34

DESCRIPTION	WEIGHT	LONGITUDINAL		LATERAL	
		ARM, IN	MOMENT, in-lb	ARM, in	MOMENT, in-lb
Units of measure	Weight, Lbs				
Empty Weight	8366.0	207.34	1734632	0.40	3375
Add unusable fuel	0.0	216.70	0		0
Ballast, Nose L/H		66.12	0	20.00	0
Ballast, Nose R/H		66.12	0	-20.00	0
			0		0
			0		0
			0		0
Total	8366.0	207.34	1734632	0.40	3375

Notes

- Note 1: To maintain a standard. It is better to remove weight than add weight if it is possible.
Note 2: Unusable fuel: Weight = 35.4 pounds, Arm = 216.7 inch.
Note 3: If Lateral arm exceeds 1 inch, contact Lafayette QA.
Note 4: Maximum ballast weight per side = 75.0 lbs.

December 24, 2018

Date Aircraft Weighed

December 24, 2018

Date Weight & Balance Checked

Jason Norton

Print Name

Jason Norton
Signature

3350424 A&P

Certificate Number

Of Person doing the weighing.

Patrick P. Mc Donald

Print Name

Patrick P. Mc Donald
Signature

2845814 A&P

Certificate Number

Of Person checking the math and CG.