

Clear Sky Aviation, LLC

995 Research Park Blvd, Suite 116
 Charlottesville, VA 22911
 434-284-5109

FAA Repair Station Certificate Number: 3C1R322C

Supplemental Empty Weight & Balance Data and Equipment List

MAKE:	Cessna	SERIAL NO:	177RG0905
MODEL:	177RG	REG. NO:	N7702V
PREPARED BY:	Robert A. Ross <i>RAM</i>	DATE:	5/31/2019
A&P Cert. NO:	3622734	TACH TIME:	22.90

Previous Empty Weight and Balance Data	<u>WEIGHT (Lb.)</u>	<u>ARM (In.)</u>	<u>MOMENT (In. Lb.)</u>
Dated: 12/1/2017	1833.32	103.67	190056.52

<u>ITEM DESCRIPTION</u>				
<u>REMOVED:</u>	Garmin XPDR : GTX330	-3.81	69.00	-262.89
	ARC ADF: R-546E	-3.75	69.00	-258.75
<u>INSTALLED:</u>	Appareo ADSB XPDR: Stratus ESGi	3.30	69.00	227.70

NOTE: Articles weighing less than 1.0 Lb. are considered to have negligible effect on weight and balance calculations regardless of station in aircraft.

Updated Empty Weight and Balance Data

Dated: 5/31/2019

Updated Empty Weight (Lb.):	1829.06
Updated Empty Moment (In. Lb.):	189762.58
Updated Empty CG (In.):	103.75

Total Change	4.9	252.93	
New Empty Weight	1833.32	Gross Weight	2529.32
Center of Gravity	103.667967	Useful load	596.32
Total Moment	190056.52		

Calculated By: Gregory J. Armstrong
 Certificate No. AP 3743119

WEIGHT & BALANCE
And
SUPPLEMENTAL EQUIPMENT LIST
Prepared by:
SPARKCHASERS AIRCRAFT SERVICES, INC
3223-C SWIFT CREEK RD
SMITHFIELD, NC 27577
(919) 934-1654

MAKE	Cessna	MODEL	177RG	S/N	177RG0905	N#	7702V
DESCRIPTION				WEIGHT	ARM		MOMENT
AC Previous W&B Data: (10/06/96)				1837.14	104.36		191724.38
<u>Removed the following equipment:</u>							
NAT AA80-001 Intercom				- 1.0	73.0	-	73.0
KN61 DME w/KA121				- 9.0	207.0	-	1863.0
KI266 Indicator				- 1.5	70.0	-	105.00
KA-66 Antenna				- .3	199.0	-	59.7
R402A Marker Beacon				- .7	204.6	-	143.22
RT359A Transponder				- 2.7	68.5	-	184.95
Cessna Audio Control Panel				- 1.9	69.3	-	131.67
RT328T Nav/Com				- 6.9	68.0	-	469.20
IN514B Indicator				- .6	73.5	-	44.10
Regulator Cessna 14VDC				- .6	58.5	-	35.10
<u>Installed the following equipment:</u>							
GMA340 Audio Marker s/n 96265526				1.6	72.5		116.00
GNS530 Com/Nav/GPS s/n 78408562				8.5	70.5		599.25
GA56 GPS Antenna s/n 59083032				.3	117.5		35.25
GI106A Nav Indicator s/n E23554				1.25	73.5		91.88
GTX330 Transponder s/n 84107271				4.2	70.5		296.10
ACF100 Cooling Fan s/n 11800				.33	67.0		22.10
Zeftronics R15V100 Rev. A ACU s/n Q14118				.30	58.5		17.55

1828.42

189793.57

Total Moment = CG = $\frac{189793.57}{1828.42} = 103.80 \text{ in.}$

Aircraft New Empty Weight: 1828.42 pounds
Aircraft New Empty Weight CG: 103.80 inches
Aircraft Gross Weight: ~~2800.00~~ pounds
Aircraft Useful Load: 971.58 pounds

Note;
THIS FACILITY IS NOT RESPONSIBLE FOR ANY PAST WEIGHT & BALANCE COMPUTATIONS. It is the responsibility of the airplane owner and pilot to ensure that the aircraft is loaded properly. Above Weight & Balance computed using previous data dated: (10/06/96)

Signed [Signature]
CRS# XSPR699K

Date July 10 - 2003