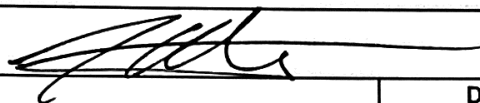


AIRCRAFT WEIGHT & BALANCE REPORT- ACTUAL WEIGHT

Date:	12/2/2022
Registration No:	N139J
Manuf/Builder:	Sky Jac LLC
Model:	Lightning XS
Serial No.	191
Performed By:	Nick Otterback



		Determined From:	
		Manuf Data	My Data
Datum Location:	Firewall	x	
Leveling Means:	Cockpit top rail	x	
Total Fuel Capacity:	40 gallons = 240 lb	x	
Max Gross Weight:	1320 lb	x	
CG Range:	26.0 to 34.00 inches aft of datum (Flight)	x	

Empty Weight & CG	Weighing Point	Weight (lbs)	Arm (in)	Moment (in-lbs)	Center of Gravity (in)
Left main wheel	Scale reading:	420	36.5	15330	
	Tare:				
	Net weight:	420			
Right main wheel	Scale reading:	420	36.5	15330	
	Tare:				
	Net weight:	420			
Tailwheel or Nosewheel	Scale reading:	230	-19.5	-4485	
	Tare:				
	Net weight:	230			
	Empty weight/CG:	1070		26175	24.46

Most Aft Loading	Item	Weight (lbs)	Arm (in)	Moment (in-lbs)	Center of Gravity (in)
	Aircraft empty:	1070		26175	
	Pilot:	200	44.1	8820	
	Passenger:	200	44.1	8820	
	Baggage:	70	69.76	4883.2	
	Fuel:	240	37.4	8976	
	Weight/CG	1780		57674.2	32.40

Most Fwd Loading	Item	Weight (lbs)	Arm (in)	Moment (in-lbs)	Center of Gravity (in)
	Aircraft empty:	1070		26175	
	Pilot:	170	44.1	7497	
	Passenger:	0	44.1	0	
	Baggage:	0	69.76	0	
	Fuel:	60	37.4	2244	
	Weight/CG	1300		35916	27.63

Flight Test Loading	Item	Weight (lbs)	Arm (in)	Moment (in-lbs)	Center of Gravity (in)
	Aircraft empty:	1070		26175	
	Pilot:	200	44.1	8820	
	Passenger:	0	44.1	0	
	Baggage:	0	69.76	0	
	Fuel:	240	37.4	8976	
	Weight/CG	1510		43971	29.12

INSTALLED EQUIPMENT LIST

Date: 12/2/2022

Registration No:	N139J
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Manuf/Builder:	Sky Jac LLC
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Model:	Lightning XS
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Serial No.	191
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Performed By:	Nicholas Otterback
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Item	Manuf	Model No.	Serial No.	Wt (lbs)	Arm (in)
Engine	Continental Titan	IOX370	J10E002	280	-20
Propeller	Sensenich	2GOM8		30	-24
EFIS 1	garmin	GDU460	350009689	2	24
EFIS 2	garmin	GDU460	350009690	2	24
transponder	garmin	GTX45R	4YC040597	2	24
audio panel	garmin	GMA245R	3yl003299	2	24
radio 2	garmin	gtr20	5je003218	2	24
IFR GPS/nav/ Radio 1	garmin	GTN650TXI	5fp004445	4	24
Autopilot head	garmin	GMC307	4dh201372	2	24
pitch servo	garmin	GSA28	2pg014460	3	70
roll servo	garmin	gsa28	2pg0014451	3	24
electrical control module	garmin	gad27	4A8002474	1	24
arinc429	garmin	GAD29	366004186	1	24
pitot tube and controller	garmin	GAP26	34f700243	2	30
magnometer 1	garmin	GMU11	56JO27124	1	70
magnometer 2	garmin	GMU11	56JO27106	1	70
engine module	garmin	GEA24	2j2020958	2	24