N318DN 1981 Citation I/SP

Weight & Balance

Aircraft S/N: 501-0184



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

AIRCRAFT WEIGHT AND BALANCE COMPUTATION

THE OWNERS OF	A STATE OF THE STA	1 MANUFACTURER		2114	NATIONALITY AND REGISTRATION N318DN ON CERTIFICATE) ADDRESS (AS SHOWN ON REGISTRATION CERTIFICATE)		
	DESCRIPT		CESSNA SERIAL NO. 501-0184				
Ce	OF AIRCRA	SERIAL NO.					
viation, Inc		NAME (
		2 NAME (as shown on registr OWNERSHIP RELII AND E					
	OWNERS	OWNERSHIP REULAND EL			CITY OF INDUSTRY, CA. 91748-1113		
	3	NUMBER					
	WORK ORI	NUMBER		DATE 7/31/2019	4 SUPERCEDES WEIGHT DATED OR COMPUTATION 11/15/2016		
	WORKOK	DEIX Z	207	EMPTY WEIGHT		MOMENT	
	DDEVIOUS EMP	EV MEIOUT DATA		7478.33	CENTER OF GRAVITY 259.99	1944264	
PREVIOUS EMPTY WEIGHT DATA Removed Installed 6 DESCRIPTION OF CHANGE			± WEIGHT	± ARM	± MOMENT		
X		1U434-001 CONTROL PANEL		-7.70	104.70	-806.19	
x				-5.30	51.80	-274.54	
X		#1 COM VHF20 #1 COM MOUNT RACK		-0.50	51.80	-274.54	
X		#2 COM VHF20		-0.50 -5.30	51.80	-274.54	
x				-0.50	51.80	-274.54	
X		#2 COM MOUNT RACK #1 NAV VIR30		-5.80	51.80	-300.44	
x		#1 NAV MOUNT RACK		-0.50	51.80	-25.90	
x				-5.80	51.80	-300.44	
x		#2 NAV VIR30 #2 NAV MOUNT RACK		-0.50	51.80	-25.90	
x		#1 TRANSPONDER TDR90 AND MOUN		-3.90	47.90	-186.81	
x		#1 TRANSPONDER TDR90 AND MOUN		-4.10	33.20	-136.12	
x		KLN90B GPS		-6.30	100.64	-634.03	
X	THE DAY SHOWING WELL THE DAY THE	KA92 GPS ANTENNA		-0.20	145.20	-29.04	
x		97-10344A INSSDU		-0.78	104.64	-81.62	
x		RS08-001 RELAY ASSEMBLY		-0.70	60.00	-30.00	
X		MFD KMD850		-6.77	100.64	-681.33	
X			14	-0.50	168.00	-84.00	
^		CI401-460 GPS/XM ANTENNA GTN750 NAV/COM/GPS			100.64	935.95	
		GTN750 NAV/COM/GPS			100.64	704.48	
-					51.80	170.94	
					51.80	155.40	
					51.80	113.96	
		ONVERTER		2.20 2.20	51.80	113.96	
					55.00	160.60	
					168.00	84.00	
	X GA35 GPS			0.50 0.47	145.20	68.24	
					47.90	23.95	
					131.00	70.74	
- 34					131.00	52.40	

7	COMPUTED TOTAL WEIGHT CHANGE	LBS	8 TOTAL MOMENT	
		-22.62		1942995.92
9	COMPUTED NEW EMPTY WEIGHT	LBS	= PRIOR EMPTY WEIGHT	± COMPUTED WT CHANGE
		7455.71	7478.33	-22.62
10	COMPUTED NEW USEFUL LOAD	LBS	= GROSS WEIGHT	- NEW EMPTY WEIGHT
		4544.29	12000.00	7455.71
11	COMPUTED NEW CENTER OF GRAVITY	INCHES AFT OF DATUM	= NEW TOTAL MOMENT	- NEW EMPTY WEIGHT
	1 //	260.61	1942995.92	7455.71
	GNATURE COMPUTED BY: ND DATE	COMPUTATION VERIFIED BY:	-xll	8-8-19