



Horizon Avionics, Inc.

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Weight and Balance and Supplemental Equipment List Revision

Aircraft Model: Cessna 172L
Aircraft Reg: N19710
Aircraft Ser: 17260691

Date: 3/19/20
Ref: WO # 7823
Tach: 0197.7/2534.6 HM

Item	Serial No.	Weight	Arm	Moment
From Previous Weight & Balance: 7/25/2011 (POH)		1487.00	38.52	57330.15
--- Removed ---		0		0
Sandel SN3308 EHSI SN3308-00-BL		0		0
King KG102A 060-0015-00	1326	-2.9	12.0	-34.8
King KMT112 Flux Det. 071-1052-00	7124	-5.3	124.0	-657.2
Falcon Gauge T&B TC02E-3-2	6820	-0.3	42.0	-12.6
	TC2E321606003	-1.2	16.0	-19.2
		0		0
		0		0
		0		0
--- Installed ---		0		0
Aspen EFD1000 PFD 910-00001-001	27192	2.6	16.0	41.6
Aspen ACU 910-0004-001	18082	0.8	6.0	4.8
Aspen RSM 910-0003-011	204960	0.2	124.0	24.8
Aspen Config Module 910-00005-004	21796	0.1	12.0	1.2
		0		0
		0		0
		0		0
		0		0
Totals:		1481.00	38.27	56678.75

New Empty Weight:	1481.00	Lbs.
New E.W.C.G.:	38.27	In. Aft of Datum
New Moment:	56678.75	In. Lbs.
New Useful Load:	819.00	Lbs.
Maximum Take-Off Weight:	2300.00	Lbs.

Signed [Signature] 3133287 Date 3/19/20
For: Horizon Avionics, Inc. FAA CRS F3OR150X

*Approved
7/11/21*

It is the Pilot's responsibility to ensure that the Aircraft is correctly loaded and falls within the certificated weight and balance/C.G. limits.

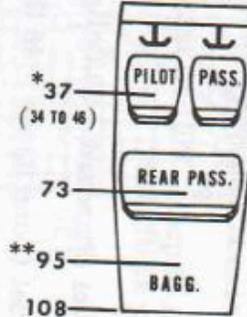
LOADING ARRANGEMENTS

* Pilot or passenger center of gravity on adjustable seats positioned for average occupant. Numbers in parenthesis indicate forward and aft limits of occupant center of gravity range.

** Arm measured to the center of the area shown.

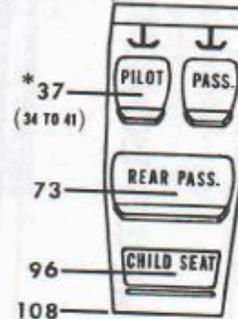
NOTE: The aft baggage wall (approximate station 108) can be used as a convenient interior reference point for determining the location of baggage area fuselage stations.

STATION (C.G. ARM)



STANDARD SEATING

STATION (C.G. ARM)



OPTIONAL SEATING

SAMPLE LOADING PROBLEM

	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb. -ins. /1000)	Weight (lbs.)	Moment (lb. -ins. /1000)
1. Licensed Empty Weight (Sample Airplane) . . .	1364	51.7		
2. Oil (8 qts. - Full oil may be assumed for all flights)	15	-0.2	15	-0.2
3. Fuel (Standard - 38 Gal at 6#/Gal)	228	10.9		
Fuel (Long Range - 48 Gal at 6#/Gal)				
4. Pilot and Front Passenger (Station 34 to 46) . . .	340	12.6		
5. Rear Passengers	340	24.8		
6. Baggage (or Passenger on Child's Seat) (Station 82 to 108)	13	1.2		
7. TOTAL WEIGHT AND MOMENT	2300	101.0		
8. Locate this point (2300 at 101.0) on the center of gravity moment envelope, and since this point falls within the envelope, the loading is acceptable.				

