

W & B

WEIGHT AND BALANCE COMPUTATION.
C25A - 525A Citation CJ2

Reg.: AB-CDE

Date:02-Nov-2015 Flight No: BMM286 Route:EPWA - LSGG PAX: 3

AIRCRAFT STATIONS

Station Name	Weight [lbs]	Max [lbs]	Arm [in]	Moment [lb-in/1000]
Min (PIC)	187.0	348.0	130.80	244.87
Culifer (PIC)	187.0	348.0	130.80	244.87
Subinletment Center / Catering	20.0	75.0	363.00	16.30
LH Chert Case	0.0	13.0	170.00	0.00
RH Chert Case	0.0	13.0	170.00	0.00
LH Storage Cabinet	5.0	13.0	170.88	7.79
LH Toilet Driver	5.0	5.0	314.58	15.73
Crew Baggage	30.0	600.0	394.60	115.38
Pantry	40.0	40.0	74.00	29.60
Crew & Pantry	464			676.76
Seat 4	40	348.0	195.80	80.07
Seat 5	172	348.0	341.60	415.55
Seat 6	172	348.0	341.60	415.55
Seat 7	172	348.0	275.74	474.27
Seat 8	0.0	348.0	275.74	0.00
Seat 3	0.0	348.0	195.80	0.00
Toilet	0.0	348.0	300.40	0.00
New Baggage	0.0	600.0	74.00	0.00
T/C Baggage	80	600.0	394.60	316.14
Cabin storage	0.0	100.0	300.70	0.00
Payload	652			9 341.98

LCMC

Weight	Max	Moment	Arm	%MAC
12 083	12 335	3 305 121.87	280.67	25.2%

After LMC

CAUTION!

Crew baggage and passengers baggage is stored in the tail cone baggage compartment (ABR 384.8 in).
The sum of crew baggage and passengers baggage may not exceed the total capacity of tail cone baggage compartment = 600lbs

CALCULATIONS

Item	Weight [lbs]	Max [lbs]	Moment [lb-in / 1000]	% MAC
EMPTY AIRCRAFT	7 695		22 696.83	33.7%
Crew & Pantry	464		676.76	
DRY OPERATING WEIGHT	8 159		23 373.57	33.3%
Payload	652		9 341.98	
STRO FUEL WEIGHT	8 811	10300	24 107.06	31.3%
Block fuel	3 400	3900	9 890.03	
RAMP WEIGHT	12 211	112000	34 314.59	35.3%
Taxi Fuel	125		-360.80	
TAKE-OFF WEIGHT	12 086	12375	33 955.51	26.2%
Trip fuel	1 894		-1 340.20	
LANDING WEIGHT	10 232	11300	28 595.02	33.3%
Remaining fuel	1 411.0			

Within envelope

YES

Weight & Balance - pdf file available in Leon

In Leon 3.0 **Weight & Balance** panel allows you to manually adjust details. You can edit particular fields and adjust values.

The section W&B is divided into several parts:

- **CONFIGURATION** - showing MTOW value.
- **Fuel** - fuel weight for Block, Taxi and Trip.
- **Passengers** - the weight of pax in particular seats.
- **Crew & Pantry** - crew & pantry weight.
- **Baggage** - baggage weight (i.e. tailcone and cabin baggage).
- **Result** - showing %mac and weight values for: crew & amp pantry, payload, empty aircraft, fuel weight, etc...

RESULT		PREVIEW	
	% mac	weight	
CREW & PANTRY	0	464	
PAYLOAD	0	652	
EMPTY AIRCRAFT	33.7	7694.2	

Next to **Result** section you there is 'PREVIEW' link which shows **pdf** with details of **Aircraft Stations**, **Calculations** along with the envelope.

In order to set up Weight and Balance for an aircraft you need to contact support@leonsoftware.com and send

Leonsoftware Wiki - <https://wiki.leonsoftware.com/>

**Aircraft Flight Manual or Weight and
Balance Report.**

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