

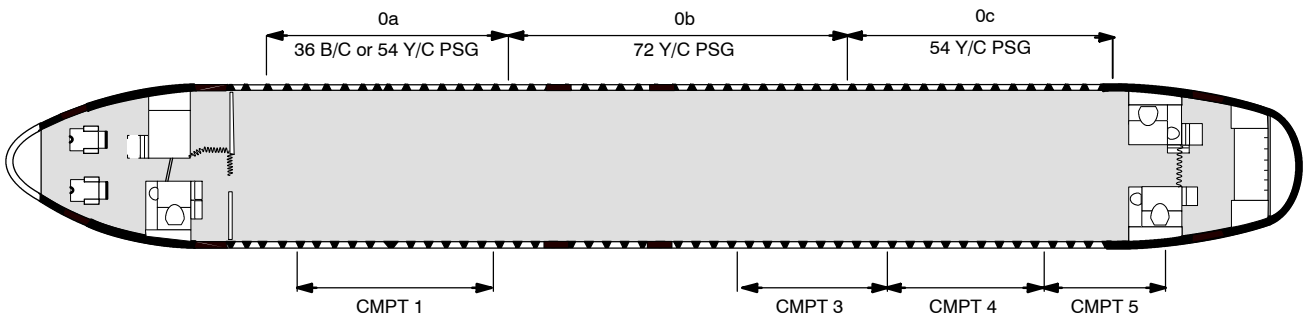


A320-216 BALANCE CHART

FLIGHT

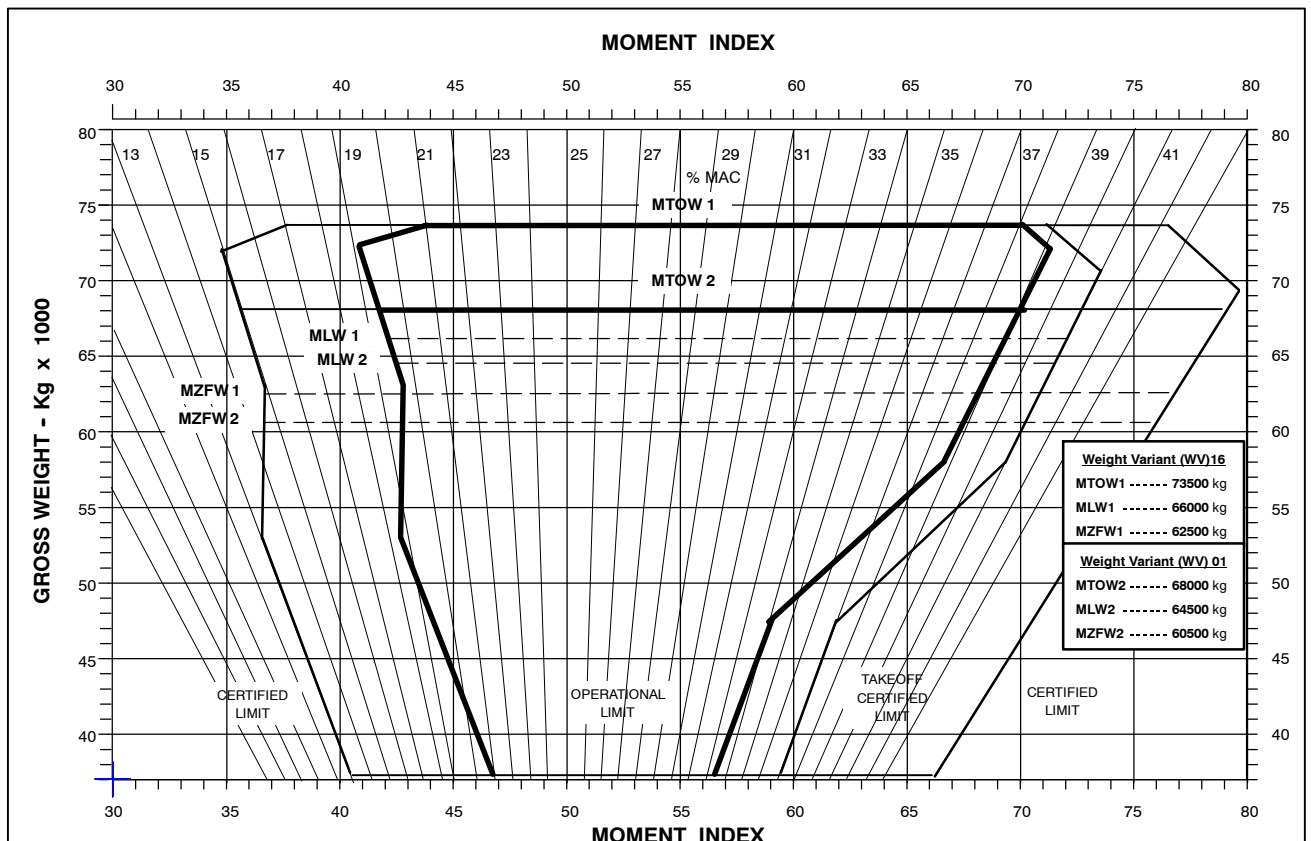
A/C EI-

DATE



N°	WEIGHT Kg	MOMENT INDEX															
		35	40	45	50	55	60	65	70	75	80						
	---	← DRY OPERATING															
	---	COMPT 1															← PITCH 500 kg
	---	COMPT 3															PITCH 500 kg →
	---	COMPT 4															PITCH 500 kg →
	---	COMPT 5															PITCH 500 kg →
---	---	Oa															← PITCH 10 psg
---	---	Ob															PITCH 50 psg →
---	---	Oc															PITCH 10 psg →
	---	← ZERO FUEL															
	---	← TAKE OFF FUEL															
	---	← TAKE OFF WEIGHT															
	---	180 PSG Applicable to EI-DSV EI-DSX EI-DSZ															

180 PSG
Applicable to EI-DSV EI-DSX EI-DSZ



A320-216 WEIGHT LIMITATIONS	WV16	WV01
MAXIMUM TAXI WEIGHT	73900 kg	68400 kg
MAXIMUM TAKEOFF WEIGHT	73500 kg	68000 kg
MAXIMUM LANDING WEIGHT	66000 kg	64500 kg
MAXIMUM ZERO FUEL WEIGHT	62500 kg	60500 kg

NOTE

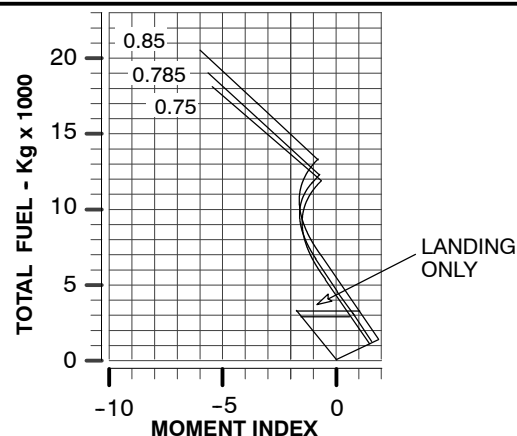
Refer to **Crew Alert Notice** or **Mass and Balance Data Sheet** to check for any updated values

USE OF BALANCE CHART

For explanation of use of the Balance Chart, see **FCOM PER-LOD-WBA-LTS**.

TOTAL FUEL vs MOMENT INDEX

Refer to **FCOM PER-LOD-WBA-FIT**.



LOAD LIMITATION CHECK

- 1) According to the number of passenger, for each Passenger Cabin (**0b not involved**), enter the Weight/Bending Index columns reporting the respective values.
- 2) For each Bay of Cargo Compartment, enter the table with the relevant weight and report the Weight and the corresponding Bending Index in the proper columns.
- 3) According to the **A/C ZFW CG**, compute the total values and compare the total Weight/Bending Index for both FWD and AFT LIMITS with the structural ones.
- 4) The structural limits must always be EQUAL to or GREATER than the total ones found in 3).

PASSENGER CABIN

PSG n.	WEIGHT Kg	BENDING INDEX	
		FWD	AFT
		0a	0c
1	84	6	10
2	168	11	20
3	252	17	29
4	336	23	39
5	420	29	49
6	504	34	59
7	588	39	68
8	672	45	77
9	756	50	86
10	840	55	96
11	924	60	105
12	1008	65	114
13	1092	70	123
14	1176	74	131
15	1260	78	140
16	1344	83	148
17	1428	87	157
18	1512	92	166
19	1596	96	174
20	1680	100	182
21	1764	104	190
22	1848	107	198
23	1932	111	206
24	2016	115	214
25	2100	118	221
26	2184	122	229
27	2268	125	236
28	2352	128	243
29	2436	131	251
30	2520	135	258
31	2604	137	265
32	2688	140	272
33	2772	143	279
34	2856	145	285
35	2940	148	292
36	3024	150	299
37	3108	152	305
38	3192	154	312
39	3276	156	318
40	3360	158	324
41	3444	160	330
42	3528	162	336
43	3612	164	342
44	3696	165	348
45	3780	167	353
46	3864	168	359
47	3948	169	365
48	4032	171	370
49	4116	172	375
50	4200	172	380
51	4284	173	385
52	4368	174	390
53	4452	175	395
54	4536	175	400

CARGO COMPARTMENT

WEIGHT Kg	BENDING INDEX							
	CMPT 1			CMPT 3		CMPT 4		CMPT 5
	11	12	13	31	32	41	42	BULK
(*) 34	2	1	1	1	2	2	3	5
50	2	1	1	1	2	2	3	5
(**) 82	4	3	2	3	4	5	7	11
(***) 96	5	3	2	3	5	6	8	11
100	5	4	2	3	5	7	8	11
150	10	7	4	7	10	13	16	16
(1) 177	10	7	4	7	10	13	16	21
200	10	7	4	7	10	13	16	21
250	16	11	6	10	15	20	24	27
300	16	11	6	10	15	20	24	32
350	21	15	8	14	20	26	32	43
(2) 353	21	15	8	14	20	26	32	43
400	26	18	10	17	25	33	41	48
450	26	18	10	17	25	33	41	53
500	31	22	12	20	30	39	49	64
(3) 543	31	22	12	20	30	39	49	64
600	36	25	14	24	35	46	57	75
700	42	29	16	27	40	52	65	86
800	47	33	19	31	45	59	73	96
900	52	36	21	34	50	65	81	107
1000	57	40	23	37	55	72	89	118
(5) 1134	59	41	23	38	56	74	92	121
(4) 1497	--	--	--	--	--	--	--	160

TARE weight / B.I. for ULD:

(*) Pallet PKC without net (40 kg with net)

(**) Container AKH (LD3-45W/46W) and AKE light

(***) New reinforced Container AKH (LD3-45W/46W)

(1) Max Structural Weight Bay 51

(2) Max Structural Weight Bay 52

(3) Max Structural Weight Bay 53

(4) Max Structural Weight for CMPT 5 (with LIVE TV system installed reduced to 1122 kg)

(5) Max Structural Weight for each Bay of CMPT's 1-3-4

STRUCTURAL LIMITS

MAC %	FWD		AFT	
	W Kg	B.I.	W Kg	B.I.
17	9513	398	5487	99
18	9602	406	5881	131
19	9691	414	6276	164
20	9780	422	6670	197
21	9869	430	7065	230
22	9958	438	7459	263
23	10047	446	7854	295
24	10136	454	8248	328
25	10225	462	8643	361
26	10314	471	9037	394
27	10403	479	9432	426
28	10492	487	9826	459
29	10581	495	10221	492
30	10670	503	10615	525
31	10759	511	11010	558
32	10848	519	11404	590
33	10937	527	11799	623
34	11026	535	12193	656
35	11115	543	12588	689
36	11204	551	12982	721
37	11293	559	13377	754
38	11382	567	13771	787
39	11471	575	14166	820
40	11560	583	14560	853
41	11649	591	14955	885
42	11738	599	15349	918
43	11827	607	15744	951
44	11916	616	16138	984
45	12005	624	16533	1016

LOAD LIMITATION FORM

A/C ZFW CG
(%MAC)

AFT LIMITS

WEIGHT
Kg

BENDING
INDEX

0c

BAY 31

BAY 32

BAY 41

BAY 42

BULK

FWD LIMITS

WEIGHT
Kg

BENDING
INDEX

0a

BAY 11

BAY 12

BAY 13

TOTAL
WEIGHT/BENDING INDEX