

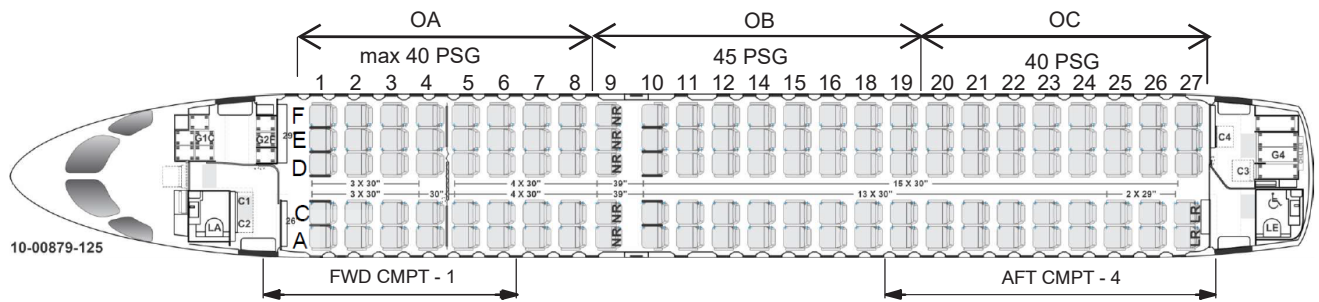


A220-100 BALANCE CHART CONVERTIBLE SEATS

FLIGHT

A/C

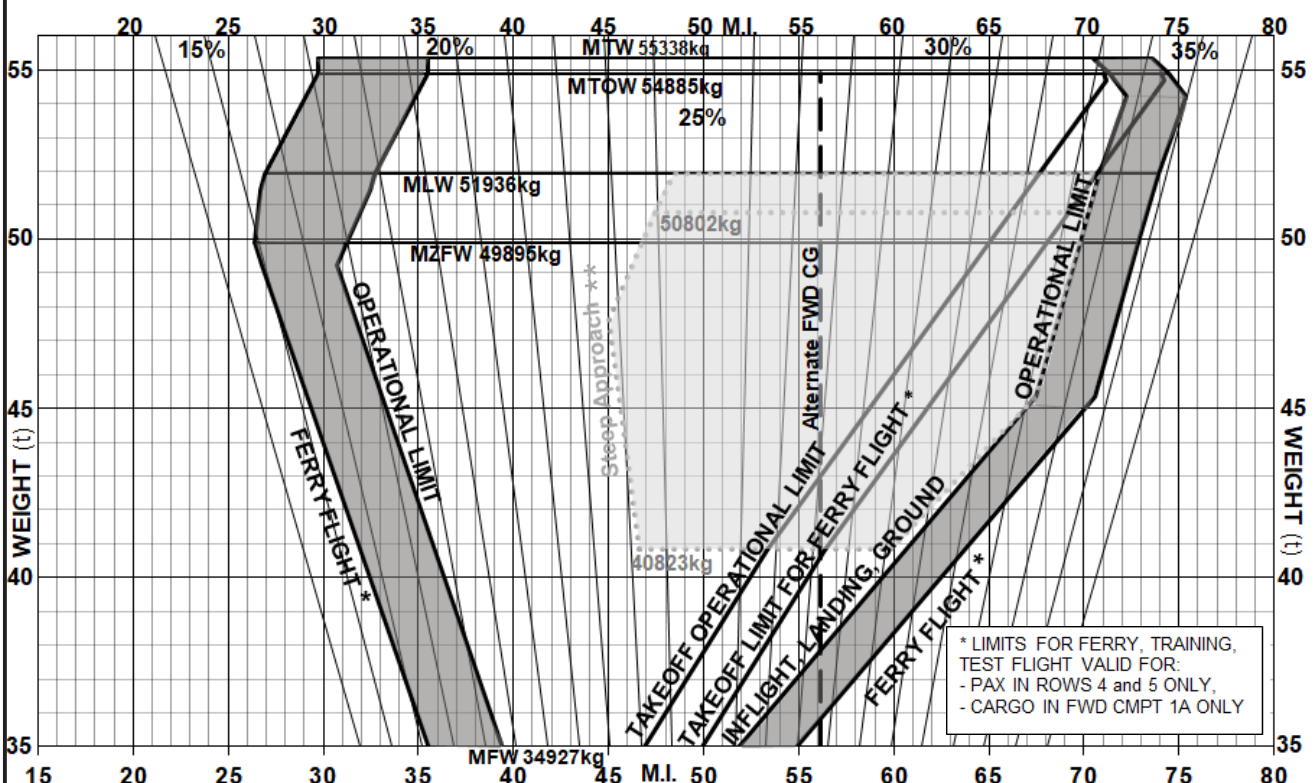
DATE



N°	WEIGHT kg	MOMENT INDEX	
		25 30 35 40 45 50 55 60 65 70 75 80 85	
			← DRY OPERATING WEIGHT
			FWD CMPT-1 ← PITCH 100 kg
			AFT CMPT-4 → PITCH 100 kg
			OA ← PITCH 5 PSG
			OB → PITCH 50 PSG
			OC → PITCH 5 PSG
			← ZERO FUEL
			← TAKE OFF FUEL
			← TAKE OFF WEIGHT

MTOW 54885 kg

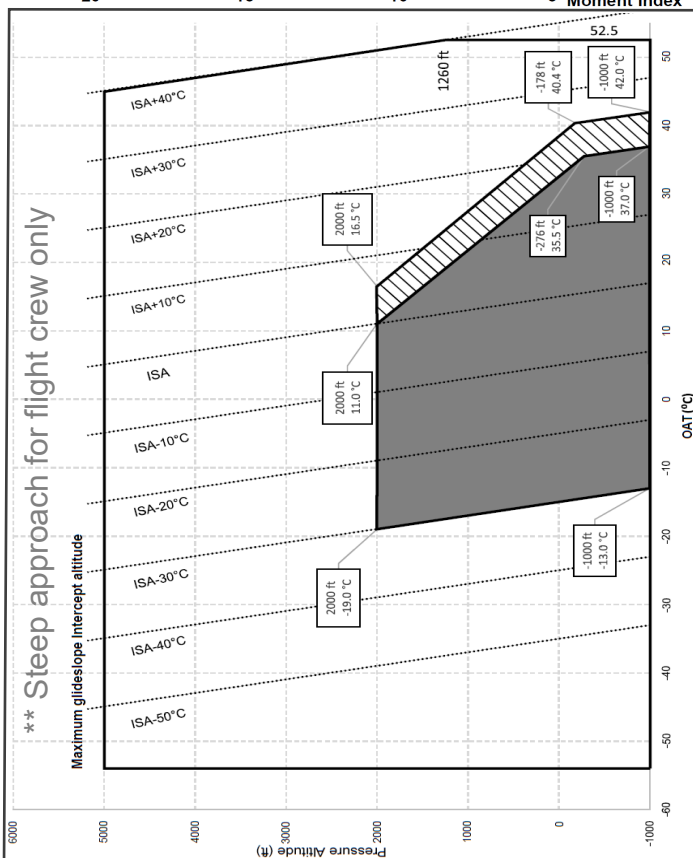
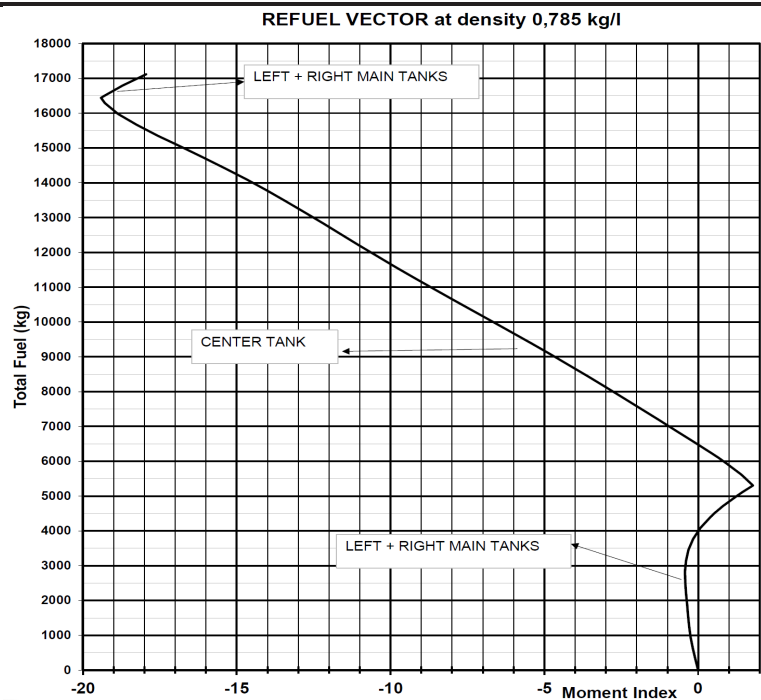
** Landing limit for flights to LCY only, see overleaf



* LIMITS FOR FERRY, TRAINING, TEST FLIGHT VALID FOR:
- PAX IN ROWS 4 and 5 ONLY,
- CARGO IN FWD CMPT 1A ONLY

Refuel at density:	0,77 kg/l	0,785 kg/l	0,81 kg/l
Weight (kg)	ΔM.I.	ΔM.I.	ΔM.I.
0	0	0	0
500	0	0	0
1000	0	0	0
1500	0	0	0
2000	0	0	0
2500	0	0	0
3000	0	0	0
3500	0	0	0
4000	0	0	0
4500	1	1	0
5000	1	1	1
5500	1	2	2
6000	1	1	1
6500	0	0	0
7000	-1	-1	-1
7500	-2	-2	-1
8000	-3	-3	-2
8500	-4	-4	-3
9000	-5	-5	-4
9500	-6	-6	-5
10000	-7	-7	-6
10500	-8	-8	-7
11000	-9	-9	-8
11500	-10	-10	-9
12000	-11	-11	-10
12500	-12	-12	-11
13000	-13	-13	-12
13500	-14	-13	-13
14000	-15	-14	-14
14500	-16	-16	-15
15000	-17	-17	-16
15500	-18	-18	-17
16000	-19	-19	-18
16500	-18	-19	-19
16789	-18	-19	-20
17000		-18	-20
17116		-18	-20
17500			-19
17661			-19

A220-100 WEIGHT LIMITATIONS
MAXIMUM TAXI WEIGHT 55338Kg
MAXIMUM TAKEOFF WEIGHT 54885Kg
MAXIMUM LANDING WEIGHT 51936Kg
MAXIMUM ZERO FUEL WEIGHT 49895Kg
MINIMUM FLIGHT WEIGHT 34927Kg



LEGEND
Steep approach landing - Temperature envelope **MLW No Limited**
Steep approach landing - Temperature envelope with restricted weight and CG **MLW Limited to 50802kg**

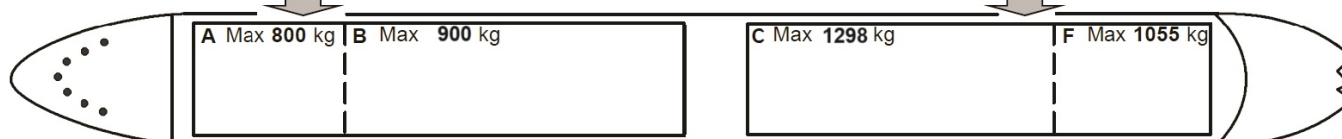
Max Linear Loading 350kg/m
Flat Floor: Max Loading 732kg/m²
Curved and canted Floor: Max Loading 293kg/m²

CARGO COMPARTMENT - LOAD LIMITATION

MAX CUMULATIVE LOAD CMPT1 + CMPT4= 3760 kg

FWD CMPT -1- Max 1697 kg

AFT CMPT - 4 - Max 2063 kg



If the divider net is missing or broken, the total maximum load of the compartment is to be respected.

If the door net is missing or broken, the operator must either keep the hold vacant or fasten the load items individually.

USE OF BALANCE CHART

For explanation of use of the Balance Chart, see FCOM Vol.2 sec. PERFORMANCE - LOADING - WEIGHT AND BALANCE - LOAD AND TRIM SHEET.