

Priority Address(es)

Originator Recharge/Date/Time Initials

Flight A/C Reg Version Crew Date

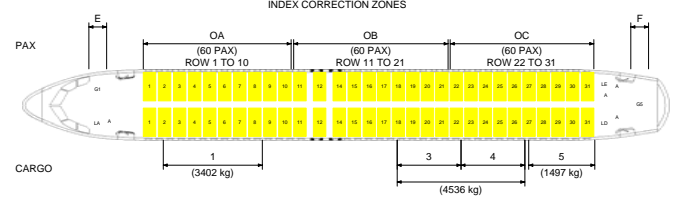
LOADSHEET & LOADMESSAGE
Passenger aircraft
 ALL WEIGHTS IN KILOGRAMS

BASIC WEIGHT	ADJUSTMENT	MAXIMUM WEIGHT FOR	ZERO FUEL	TAKE-OFF	LANDING
Adjustment +/-		Take-off Fuel		Trip fuel	
DRY OPERATING WEIGHT		ALLOWED WEIGHT FOR TAKE-OFF (Lowest of a, b or c)	a	b	c
Take-off Fuel		Operating Weight			
OPERATING WEIGHT		ALLOWED TRAFFIC LOAD			

Dest.	No. of Passengers				Cab Bag	Total	Distribution Weight					Remarks		
	M	A/F	CH	INF			1	3	4	5	0	PAX	PAD	

Total Passenger Weight	ALLOWED TRAFFIC LOAD	Notes			
TOTAL TRAFFIC LOAD	UNDERLOAD BEFORE LMC				
(ADJUSTED) Dry operating Weight		OA	OB	OC	
ZERO FUEL WEIGHT	LAST MINUTE CHANGE				
Max.	LMC	Dest	Specification	Cpt +/-	Weight
Take-off Fuel	ADJ ZFW	TOTAL PAX			
TAKE-OFF WEIGHT		Balance conditions	Dry Operating index		
Max.	LMC	Takeoff	MAC		
Trip Fuel	ADJ TOW	Zero Fuel	MAC		
LANDING WEIGHT		Prepared by			
Max.	LMC	Supervised by			
	ADJ LW	Accepted by			
			LMC Total +/-		

LOAD & TRIM SHEET **A320-232**
Version: 180YC



D.O.I.

Zone	MAX	Actual Weight (kg)	INDEX	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
LOAD	1	3402 (kg)																	500 KG
	3	2426 (kg)																	500 KG
	4	2110 (kg)																	500 KG
PAX	5	1497 (kg)																	200 KG
	OA	60 Pax Qty. / TOT Weight																	400 KG
	OB	60 Pax Qty. / TOT Weight																	2500 KG
OC	60 Pax Qty. / TOT Weight																	400 KG	

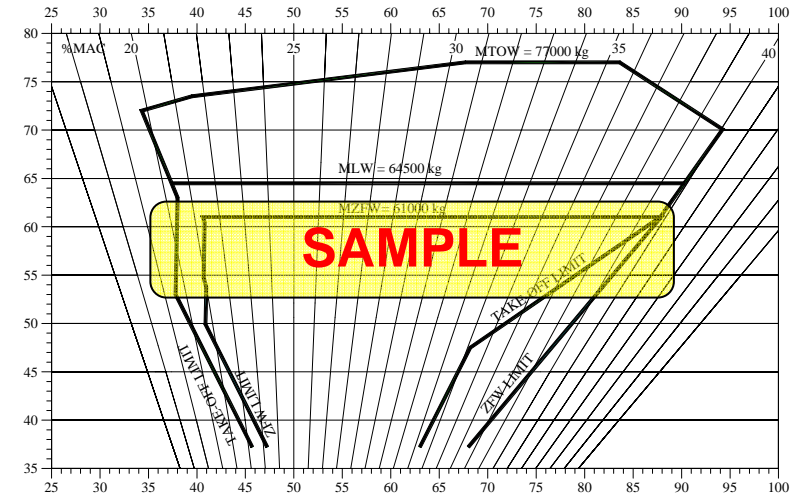
NOTE: Pax Weight in accordance with type of Operations: Adult Scheduled 84 Kg, Charter 76 Kg, Child 35 Kg, Infant 0 Kg

FUEL INDEX

(±)	INDEX																			
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FUEL INDEX CORRECTION (Dens. 0.785 kg/l)

Weight (kg)	Index	Weight (kg)	Index
3000	+2	12000	-2
3500	+1	12500	-2
4000	+1	13000	-2
4500	0	13500	-3
5000	0	14000	-4
5500	-1	14500	-4
6000	-1	15000	-5
6500	-2	15500	-6
7000	-2	16000	-7
7500	-2	16500	-8
8000	-3	17000	-8
8500	-3	17500	-9
9000	-3	18000	-10
9500	-3	18500	-11
10000	-3	18730	-11
10500	-3		
11000	-3		
11500	-2		



CAUTION: WHEN THE TO CG IS LOWER THAN 27% MAC THE BASIC PERFORMANCE MUST BE CORRECTED:
 - TO: Use appropriate RTOW chart or make CG correction on QUICK REF. TABLE.
 - LDG: Make CG correction on LDG speed and distance

STABILIZER TRIM SETTING

Take-Off CG	TRIM POS
17	2,5
18	2,0
20	1,0
22	0
24	1,0
26	2,0
28	3,0
30	4,0
32	5,0
34	6,0
36	7,0
38	8,0
40	9,0
	2,5

DC10-30F All Cargo LOADSHEET

(Applicable to A/C **REG**)

SAMPLE

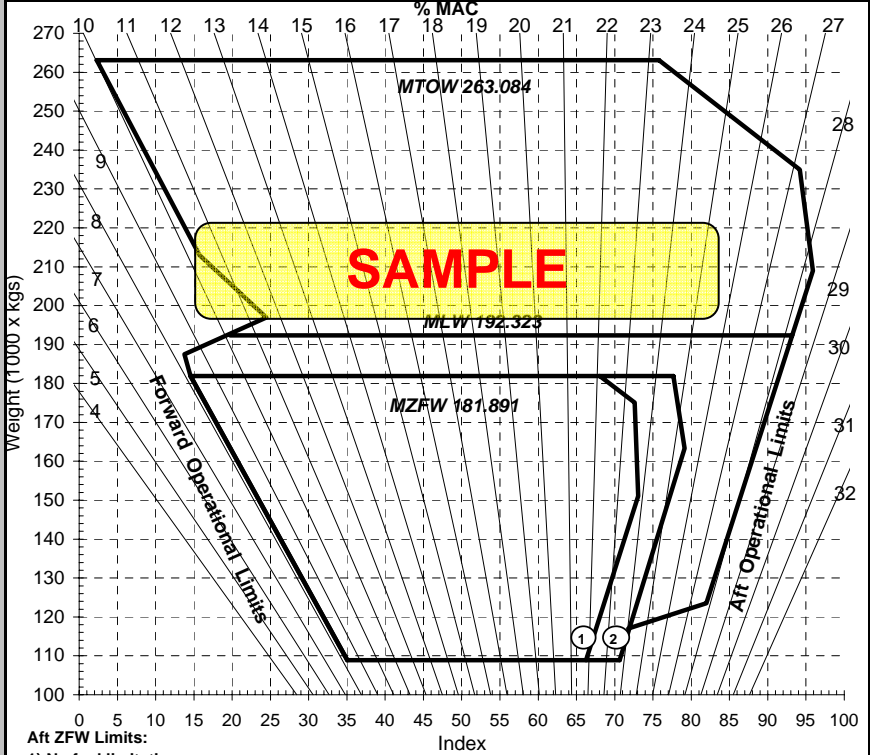
Form NTO-LTS DC10-001	Issue by Eng Tech Ops Dpt
Date 01/04/08	Rev. 2

ALL WEIGHTS IN KILOS

FROM	TO	FLT. NO.	DATE
CONF.: 3 / /	PANTRY CODE: _____	CAPTAIN	A/C REG. I-XXXX
	WEIGHT	INDEX +/-	
DOW & DOI			Maximum Wts for:
ADJUSTMENT +			Take Off Fuel +
BALLAST FUEL +			Est. Trip Fuel +
Actual DOW & DOI =			Allowed Wt for Take Off = ^A
			(Lowest of A B or C)
TAKE OFF FUEL +			Wet Operating Weight -
			Allowed Traffic Load =
WET OPERATING WT =			TRAFFIC LOAD -
			UNDERLOAD (before LMC) =
NOTE:			Last Minute Changes ±
			INDEX +/- UNDERLOAD (after LMC) =

Actual DOW & DOI			
TRAFFIC LOAD +			
ZERO FUEL WT =			
Max ZFW LMC+/-			
1 8 1 8 9 1 =			
TAKE OFF FUEL +			
TAKE OFF WT =			
MTOW or RTOW LMC+/-			
TRIP FUEL -			
LANDING WT =			
MLW or RLW LMC+/-			
TAKE OFF WT			
TAXI FUEL +			
TAXI WEIGHT =			
MAX ZFW	181.891 KGS		
MAX TAXI WT	264.444 KGS		
MAX TAKE OFF WT	263.084 KGS		
MAX LANDING WT	192.323 KGS		
MAC AT ZFW	MAC AT T/O	STAB TRIM	
%	%	°	

FUEL LOADING INDEX TABLE (KGS) Fuel density 0,803 kg/lt (6,7 lb/usgal)										
6000	0	34000	13	54000	20	74000	11	94000	-5	
8000	1	36000	14	56000	22	76000	9	96000	-6	
10000	3	38000	14	58000	21	78000	8	98000	-7	
12000	6	40000	15	60000	20	80000	7	100.000	-9	
14000	9	42000	15	62000	18	82000	5	102.000	-11	
16000	11	44000	16	64000	17	84000	3	104.000	-13	
24000	11	46000	17	66000	16	86000	1	106.000	-15	
26000	12	48000	17	68000	14	88000	0	108.000	-16	
30000	12	50000	18	70000	13	90000	-2	110.000	-18	
32000	13	52000	19	72000	12	92000	-3	111.000	-19	



DANGEROUS GOOD ON BOARD YES / NO _____
 STOWED IN : _____
 DOCUMENT PREPARED BY : I hereby certify that this a/c is balanced in accordance with the current Weight & Balance procedure of _____
 Name : _____
 LOADMASTERS CERTIFICATE : I hereby certify that this a/c is loaded in accordance with the current Loading Instructions issued by _____
 Name / Signature : _____
 CAPTAINS CERTIFICATE : I hereby certify that I am satisfied that all the relevant requirements of the current regulations have been complied with.
 Name / Signature : _____

Aft ZFW Limits:

- No fuel limitation
- When operating with 45,360 kgs of fuel or less at takeoff

%MAC	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
STABILIZER TRIM SETTING FOR TAKEOFF (DEG)																							
TAKEOFF FLAP ANGLE	5	7,6	7,4	7,1	6,9	6,6	6,4	6,2	5,9	5,7	5,5	5,2	5,0	4,7	4,5	4,3	4,0	3,8	3,6	3,3	3,1	2,8	2,6
10	8,2	7,9	7,7	7,4	7,2	6,9	6,7	6,4	6,2	5,9	5,7	5,4	5,2	4,9	4,7	4,4	4,2	3,9	3,7	3,4	3,2	2,9	
15	8,8	8,5	8,3	8,0	7,7	7,5	7,2	6,9	6,7	6,4	6,1	5,9	5,6	5,3	5,1	4,8	4,5	4,3	4,0	3,7	3,5	3,2	
20	9,4	9,1	8,8	8,6	8,3	8,0	7,7	7,4	7,2	6,9	6,6	6,3	6,0	5,7	5,5	5,2	4,9	4,6	4,3	4,1	3,8	3,5	

MAIN DECK

20 Foot Pallet

1R 3947	2R 3979	3R 3979	4R 3979	5R 3979	6R 6803	7R 6803	8R 6803	9R 3979	10R 3979	11R 3856	12 3820	
1L 3947	2L 3979	3L 3979	4L 3979	5L 3979	6L 6803	7L 6803	8L 6803	9L 3856	10L 3856	11L 3856		
MAX WT (20foot)	6578	6632	6632	6632	6632 (6632)	13605 (10568)	13605 (12473)	13605 (12473)	6632	6632	6632	3820
TOTAL WT L + R												
INDEX												

LATERAL IMBALANCE

RIGHT SIDE WT

DIFFERENCE

MAX +/- 14.000 KGS

LEFT SIDE WT

TOT MAIN DECK WT * MAIN DECK INDEX

MAX MAIN DECK WT

67750

FLIGHT DETAILS

A/C Reg	
DATE	
FLT.No	
FROM	
TO	
LOADMASTER	
CAPTAIN	
F/O's	
F/E's	

- 20 Foot Pallet Procedure**
- n2 20foot pallet ONLY in pos 7R and 8R
 - n1 20foot pallet ONLY in pos 8R
 - Total Weight L+R = (20 Foot weight / 2) + weight Left pos.
 - Total Wt Max L+R shows in ()
 - I.U per each portion of pallet in pos. 5 / 6 / 7 / 8

LOWER DECK

FORWARD HOLD

F1 4723	F2 4723	F3 4723	F4 4723	F5 4723
Wt	Wt	Wt	Wt	Wt

MAX SIZE PALLET 88" x 125"

AFT HOLD

	A1	A2	A3	A4	A5	
R	1587	1587	1587	1587	1587	
WT						
	3175	3175	3175	3175	3175	BULK* 3152**
Wt						
L	1587	1587	1587	1587	1587	
WT						

*TOT MAIN DECK WT must be considered by CREW MEMBERS for the MAXIMUM ALLOWED FUEL IMBALANCE

* MAXIMUM BULK RUNNING LOAD 27,3 KG/IN

** SFK WEIGHT INCLUDED (250 KG) DO NOT ADD TO THE PAYLOAD

TOT LOWER DECK WT

LOWER DECK INDEX

ALL WEIGHTS IN KILOGRAMS

WEIGHT & INDEX CHECK

	WEIGHT	INDEX
Dry Operating		
Payload		
Act Zero Fuel		
Max ZFW	181,891	
Underload (planning)		

MAX WT	4723	4723	4723	4723	4723
BAY WT					
INDEX					

MAX WT	3175	3175	3175	3175	3175	3152
BAY WT						
INDEX						

TOTAL PAYLOAD

TOTAL INDEX

MAXIMUM PALLET / CONTAINERS AREA LOADING

1	2	3	4	5	8	9	10	11	12	
F1	F2	F3	F4	F5	A1	A2	A3	A4	A5	BULK

1	2 + F1	3 + F2 + F3	4 + F4	5 + F5	8	9 + A1 + A2	10 + A3 + A4	11 + A5	12 + BULK
MAX 6578	MAX 9188	MAX 12998	MAX 9188	MAX 9130	MAX 13605 (12473)	MAX 9550	MAX 9498	MAX 7820	MAX 4386

CUMULATIVE LIMITS

1	+ 2 + F1	+ 3 + F2 + F3	+ 4 + F4	+ 5 + F5	8 +	9+A1+A2+	10+A3+A4+	11+ A5 +	12 + BULK
MAX 6578	MAX 12524	MAX 22796	MAX 30530	MAX 39660	MAX 39498	MAX 30902	MAX 21525	MAX 12206	MAX 4386

FORWARD HOLD INDEX CHART

WEIGHT	F1	F2	F3	F4	F5
250	-1	-1	-1	-1	-1
500	-2	-2	-2	-1	-1
1000	-5	-4	-4	-3	-2
1500	-7	-6	-5	-4	-4
1750	-9	-8	-6	-5	-4
2000	-10	-9	-7	-6	-5
2250	-11	-10	-8	-7	-5
2500	-12	-11	-9	-7	-6
2750	-14	-12	-10	-8	-6
3000	-15	-13	-11	-9	-7
3250	-16	-14	-12	-10	-8
3500	-17	-15	-13	-10	-8
3750	-18	-16	-14	-11	-9
4000	-20	-17	-15	-12	-9
4250	-21	-18	-16	-13	-10
4500	-22	-19	-16	-13	-11
4723	-23	-20	-17	-14	-11

MAIN DECK INDEX CHART / 23 PALLET CONFIG

1	2	3	4	5	6	7	WEIGHT	8	9	10	11	12
-1	-1	-1	-1	-1	0	0	250	0	0	1	1	1
-3	-2	-2	-2	-1	-1	0	500	0	1	1	2	2
-6	-5	-4	-3	-2	-1	0	1000	1	1	2	3	4
-9	-7	-6	-5	-3	-2	-1	1500	1	2	4	5	6
-12	-10	-8	-6	-4	-3	-1	2000	1	3	5	6	8
-14	-12	-10	-8	-5	-3	-1	2500	1	4	6	8	10
-17	-15	-12	-9	-6	-4	-1	3000	2	4	7	10	12
-20	-17	-14	-11	-8	-4	-1	3500	2	5	8	11	14
-23	-19	-16	-12	-9	-5	-1	4000	2	6	9	13	16
-26	-22	-18	-14	-10	-6	-2	4500	2	6	11	15	
-29	-24	-20	-15	-11	-6	-2	5000	3	7	12	16	
-32	-27	-22	-17	-12	-7	-2	5500	3	8	13	18	
-33	-28	-23	-18	-12	-7	-2	5750	3	8	13	19	
-35	-29	-24	-18	-13	-8	-2	6000	3	9	14	19	
-37	-32	-26	-20	-14	-8	-2	6500	4	9	15	21	
-40	-34	-28	-21	-15	-9	-3	7000	4	10	16	23	
					-9	-3	7500	4				
					-10	-3	8000	4				
					-13	-4	10000	5				
					-16	-5	12700	7				
					-17	-5	13605	7				

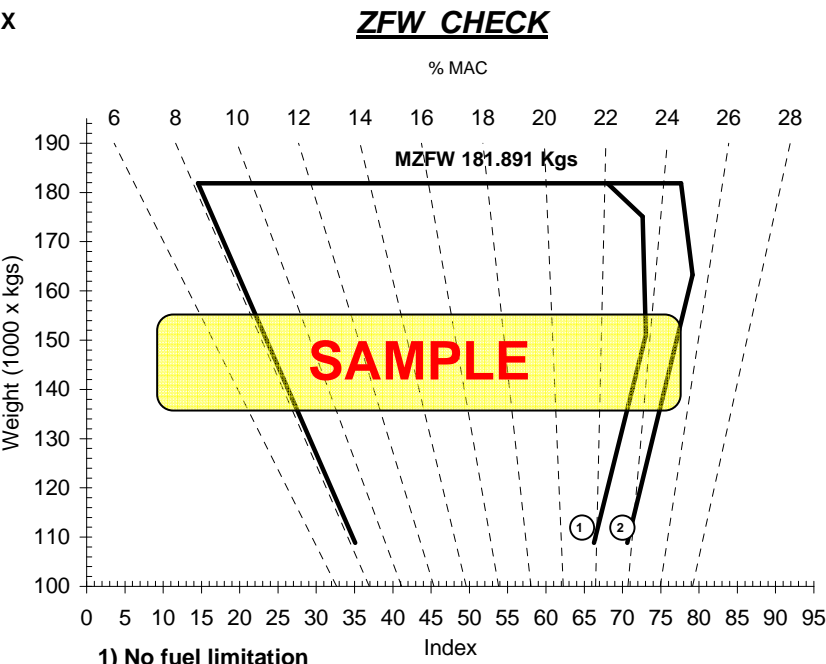
AFT/BULK HOLD INDEX CHART

WEIGHT	A1	A2	A3	A4	A5	BULK
250	0	0	1	1	1	1
500	1	1	1	1	2	2
1000	1	2	2	3	3	4
1500	2	3	3	4	5	6
1750	2	3	4	5	5	7
2000	3	4	4	5	6	8
2250	3	4	5	6	7	9
2500	3	4	5	7	8	9
2750	4	5	6	7	9	10
3000	4	5	7	8	9	11
3152	4	6	7	8	10	12

WEIGHT AND INDEX FORMULA

$IU = [(WTS) (C.G. - 1375) / 140 000]$

TO DETERMINE INDEX UNITS FOR INTERMEDIATE WEIGHTS USE LINEAR INTERPOLATION



- No fuel limitation
- When operating with 45.360 kgs of fuel or less at takeoff