

A330-300
IATA AHM560 DATA
LIST OF EFFECTIVE PAGES
REV 48

Pages/Sheets that are common to all A/C Types. Located in .PDF file "THY-AHM560_FOREWORD.pdf"

PAGE NO	ISSUE DATE	REV NO	ACTION FOR PAGES	SHEET NO	PAGE DESCRIPTION
00.00	-	-	-	-	<i>Title Page</i>
01.00	-	-	-	-	<i>Contents</i>
02.00	01Jan06	-	-	-	<i>General Info</i>
02.01	01Jan06	-	-	A1,A2	<i>Contact Address.</i>
02.02	01Jan06	-	-	B1,B2	<i>Passenger & baggage weights/ crew weights</i>
02.03	01Jan06	-	-	-	<i>DOW and DOI specifications / Special Information</i>
02.04	01Jan06	-	-	-	<i>Load&Trim Sheet Information</i>
05.00	19.Sep.17	-	Updated	-	List Of Eff. Pages, Revision Highlights
05.01	27Sep10	-	-	C2,C3	Basic Index and MAC formula, Stabilizer Trim Settings, A/C Registration., Wt Index Details
05.02	19.Sep.17	-	Updated	-	A/C Basic & Dry Operating Weight & Index Table
05.02A	28May17	-	-	-	A/C Basic & Dry Operating Weight & Index Table
05.03	26.Dec.16	-	-	-	Pantry Codes
05.03A	04Aug17	-	-	C4	Aircraft Weight Limitations
05.04	28May17	-	-	C5	CG Limits for Loadsheets Purpose
05.04A	28May17	-	-	C5	CG Limits for Loadsheets Purpose
05.05-A-B	02Aug12	-	-	C6	Effect of Fuel - Fuel Density
05.06	22 May 17	-	-	C7	Cockpit Index, Cabin Crew Seats,Crew Distr.
05.07	22 May 17	-	-	C8	Galley/Pantry Weight&Codes
05.08	22 May 17	-	-	C9,C10	Passenger Seats Average Station (Cabin Areas)
05.08A	22 May 17	-	-	C9,C10	Passenger Seats Average Station (Cabin Areas)
05.09	27Sep10	-	-	C11	Seating Layout Code Letters
05.10	08Jun16	-	-	C11	Seat Plan Layout - TC-JNH,IJKLMNOPRSTZ,- JOA,B,C,D,E,F,G;H,I, -LNC,-LND,-LNE,-LNF
05.10A	22Apr15	-	-	C11	Seat Plan Layout - TC-JOM,
05.10B	22 May 17	-	-	C11	Seat Plan Layout - TC - LOB
05.11	22 May 17	-	-	C12	Details For Compartment Trim
05.12	27 Sep 10	-	-	C13	Details For Bay/Section Trim
05.12A	22 May 17	-	-	C13	Details For Bay/Section Trim
05.13	27Sep10	-	-	C14,D1 D2,D3	BALLAST,CG LIMITS / Ideal Trim Line, Unit Load Devices / Special Load
05.14	30Sep10	-	-	-	Load&Trim Sheet TC-JNH,I,J,K,L,M,N,O,P,R
05.14A	11Nov13	-	-	-	Load&Trim Sheet TC-JNS,T,Z,JOA,-B,-C,-D,-E,-F,-G,-H,-I,-J,-K,- JOL,-LNC,-LND
05.15	30Sep10	-	-	-	Appendix- Fuel Index Table per Tank

REVISION HIGHLIGHTS

REV NO	REVISION DESCRIPTION
48	TC-JOB BW/BI changed due to weighing.
47	LMC values are updated.
46	TC-LOF and TC-LOG certified limits changed.
45	TC-LOB New Aircraft.
44	TC-JNZ BW/BI changed due to weighing.
43	TC-LOG New Aircraft.
42	TC-LOD New Aircraft.
41	TC-LOC New Aircraft.
40	TC-LOA New Aircraft, TC-LOE,TC-LOF BW/BI changed due to engineering order.
39	TC-LOF New Aircraft,TC-LOE BW/BI changed due to engineering order.
38	TC-LOE New Aircraft joined THY fleet, TC-JNH BW/BI changed due to engineering order.
37	TC-LNG New Aircraft
36	TC-LNF New Aircraft
35	TC-LNE New Aircraft. TC-JOC left THY fleet.
34	TC-LND New A/C joined THY fleet. TC-LNC BW/BI changed due to modification.
33	TC-JNO BW/BI changed due to weighing
32	TC-JNR BW/BI changed due to weighing
31	TC-LNC New A/C
30	TC-JNP BW/BI changed due to weighing
29	TC-JOK New Aircraft
28	TC-JOJ and TC-JOL New Aircrafts.
27	TC-JOI and TC-JOM New Aircrafts, Pantry weight 's changed
26	TC-JOH New Aircraft
25	TC-JOG New Aircraft
24	TC-JOF new aircraft
23	TC-JNL BW/BI changed due to weighing
22	TC-JNJ seatplan modified by addition of seat row 13
21	TC-JOE new aircraft
21	TC-JNI,JNK,JNM,JNO,JNT seatplan modified by addition of seat row 13
20	TC-JNH,JNI,JNJ,JNK,JNM,JNN BW/BI changed due to weighing or modification
20	TC-JNH,JNL,JNN,JNP,JNR,JNS seatplan modified by addition of seat row 13
19	TC-JOD new aircraft
18	TC-JOC new aircraft
17	TC-JOB new aircraft
16	TC-JOA new aircraft
15	TC-JNH,JNI BW/BI changed due to weighing
14	TC-JNZ entered THY fleet.
13	TC-JNS,JNT entered THY fleet.
12	LMC values are updated
11	Seperate fuel table for influence of trim tank is now available
10	TC-JNR entered THY fleet.
09	TC-JNP entered THY fleet.
08	TC-JNO entered THY fleet.
08	All pantry codes are amended. New design of BW/BI page.
07	JNI,JNJ,JNK,JNL,JNM,JNN : Basic Weight / Index amendment due to modifications
07	Pantry Standard W/I table (Catering) : New stations are added
07	Weight of toolbox and taxi fuel weights are amended
06	TC-JNN entered THY fleet.
05	TC-JNL entered THY fleet.
04	TC-JNM entered THY fleet.

03	Fuel Index Table per Tank is added on page 05.14
03	"FWD", "MID", "AFT" average cabin crew seats locations can be used for simplicity. Cabin crew total effect index table on page 05.02 is changed.
02	TC-JNK entered THY fleet.
02	TC-JNJ entered THY fleet.
01	TC-JNI entered THY fleet.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 2
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

2. BASIC INDEX AND MAC FORMULA

2.1. Examples and definitions

$$\text{Index} = \frac{W \times (\text{Station} - \text{Ref.Sta.})}{C} + K$$

$$\% \text{ MAC} = \frac{\frac{(C \times (I - K))}{W} + \text{Ref.Sta.} - \text{LEMAC}}{\frac{\text{MAC}}{100}}$$

- W = Weight ,actual [kg]
- Station = Station, Horizontal distance in inches or meters from station zero
- Ref.Station = Reference Station/axis. Selected station around which all index values are calculated
- K = Constant used as a plus value to avoid negative index figures
- C = Constant used as a Denominator to convert moment values into index values
- I = Index value corresponding to respective weight
- MAC = Length of Mean Aerodynamic Chord in inches or meters
- LEMAC = Horizontal Distance in inches or meters from the station zero to location of the leading EDGE of the MAC.

2.2. Index formula

- Ref.Station. at = **36.350** meters from zero
- K (Constant) = **100**
- C (Constant) = **2500**

2.3. MAC Information

- Length of MAC = **7.27** meters
- LEMAC at = **34.5320** meters/ from zero

2.4. Stabilizer Trim Setting

MAC Range	STAB Range
16	7 Nose up
21	7 Nose up
35	0 Nose down
41	0 Nose down

Linear variation between 21% MAC and 35% MAC

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 3
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

3. AIRCRAFT REGISTRATIONS, WEIGHT AND INDEX DETAILS

DRY OPERATING WEIGHT

BASIC WEIGHT

X

X

A list of weight and index values for each aircraft registration is given on next page.

A330-300

A/C BASIC & DRY OPERATING WEIGHT & INDEX TABLE

19-Sep-2017

A/C Type	MSN	A/C Reg.	Number of Seats	Basic*(crew(0/0))		How to calculate DOW/DOI? Basic Weight/Index (Full potable water tank) + Cockpit Crew Total Weight/Index + Cabin Crew Total Weight/Index + Pantry Weight/Index = Dry Operating Weight/Index If actual is different , then make necessary adjustments		
				Weight	Index			
A330-343	1150	TC-JNH	289	126140	92.9			
A330-343	1160	TC-JNI	289	125816	91.8			
A330-343	1170	TC-JNJ	289	125941	93.4			
A330-343	1172	TC-JNK	289	125571	90.4			
A330-343	1204	TC-JNL	289	126191	93.4			
A330-343	1212	TC-JNM	289	125846	92.3			
A330-343	1228	TC-JNN	289	125747	92.2			
A330-343	1298	TC-JNO	289	125444	93.4			
A330-343	1307	TC-JNP	289	125475	90.9			
A330-343	1311	TC-JNR	289	125480	91.8			
A330-303	1458	TC-JNS	289	124990	94.3			
A330-303	1476	TC-JNT	289	124931	93.5			
A330-303	1487	TC-JNZ	289	125666	92.9			
A330-303	1501	TC-JOA	289	125006	93.8			
A330-303	1514	TC-JOB	289	126511	93.0			
A330-303	1529	TC-JOD	289	125052	93.3			
A330-303	1571	TC-JOE	289	125068	92.6			
A330-303	1616	TC-JOF	289	125075	94.3			
A330-303	1620	TC-JOG	289	125132	93.5			
A330-303	1622	TC-JOH	289	125057	94.2			
A330-303	1629	TC-JOI	289	125000	93.8			
A330-303	1640	TC-JOJ	289	125262	93.9			
A330-303	1642	TC-JOK	289	125080	93.4			
A330-303	1644	TC-JOL	289	125210	94.9			
A330-302	1499	TC-JOM	291	125430	93.7			
						A/C Reg.	A/C Limitations	
						TC-JNH,....,-JNR	MTAXI	233900 KG
							MTOW	233000 KG
							MLDW	187000 KG
							MZFW	175000 KG
						TC-JNS,-JNT,-JNZ ,-JOA,.....,-JOL,	MTAXI	235900 KG
							MTOW	235000 KG
							MLDW	187000 KG
							MZFW	173000 KG
						TC-JOM Dynamic Payload	MTAXI	235900 KG
							MTOW	235000 KG
							MLDW	187000 KG
							MZFW	173000 KG

COCKPIT CREW TOTAL EFFECT / Cockpit Crew No / Locations

Cockpit Crew No / Locations	WEIGHT	INDEX
2 COCKPIT CREW	170	-1.8
3 COCKPIT CREW	255	-2.8
4 COCKPIT CREW	340	-3.7

CABIN CREW TOTAL EFFECT / Cabin Crew No/Locations

Cabin Crew No / Locations	WEIGHT	INDEX
8 CABIN CREW (2 Fwd + 4 Mid + 2 Aft)	600	-0.5
9 CABIN CREW (3 Fwd + 4 Mid + 2 Aft)	675	-1.2
10 CABIN CREW (3 Fwd + 4 Mid + 3 Aft)	750	-0.5
11 CABIN CREW (3 Fwd + 4 Mid + 4 Aft)	825	0.2

PANTRY EFFECT / Pantry Code / Class, Config, App. (PANTRY (CATERING) STANDARD W/I TABLE IS ON PAGE 05.03)

BW/BI value in the above table already includes potable water with **FULL tank (700 kg/2.7 Index)** .If potable water tanks are different, adjust DOW &DOI in proper ratios.

INFLUENCE OF POTABLE WATER ON DOW/DOI

%75 POTABLE WATER	%50 POTABLE WATER	%25 POTABLE WATER
Subtract 175 KG / Subtract 0.7 Index	Subtract 350 KG / Subtract 1.3 Index	Subtract 525 KG / Subtract 2.0 Index

TOOLKIT BOX = 58 KG

CONTAINERS AND PALLETS (ULD-Unit Load Devices) :

- Tare weight of Containers and Pallets (ULD) should NOT be included in Dry Operating weight/Index.
- Tare weight of ULD should be shown within GROSS load in position (added to net cargo/bag weight in ULD position).
- GROSS load (sum of Net cargo/bag weight + pallet/container tare weight) should be shown in "LOAD IN COMPARTMENTS" in "DISTRIBUTION" column of LOADSHEET.

CREW BAGGAGE (in BULK Cargo Compartment) : For Long-haul flights and for flights that crew stays overnight at destination, additional CREW BAGGAGE, standard bag weight of 15 kg per crew member is carried. This load is NOT included in above DOW/DOI, and it should be shown as 'LOAD IN COMPARTMENT - DISTRIBUTION' in Loadsheets.

* Refer to "DOW-DOI_Table-A330-300" file for several possible standard cockpit/cabin crew ,pantry codes & potable water tanks fill ratio.

DOI calculation Remark : During Index Calculations due to DCS system rounding (or truncating), approximately +/- 0.3 index difference is acceptable

PANTRY STANDART WEIGHT/INDEX TABLE (CATERING)

Pantry Code	Galley weight			TOTAL		Destination / Departure
	FWD	MID	AFT	WEIGHT	INDEX	
A	500	1100	700	2300	-3.7	ER FLIGHTS
N	310	428	454	1192	-0.9	INTERNATIONAL FLIGHTS
D	70	185	185	440	0.1	DOMESTIC FLIGHTS ONE WAY
G	105	365	340	810	0.3	DOMESTIC FLIGHTS RETURN PANTRY

REMARKS:

- 1- All weights are in kg.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 4
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

4. LIMITATIONS

4.1. Aircraft Weight Limitations

4.1.1. Maximum weights for:

Aircraft Reg.	MSN	Ramp/Taxi	Design Take-off Wet *	Design Take-off Dry	Design Landing	Zero Fuel
TC-JNH	1150	233900	-	233000	187000	175000
TC-JNI	1160	233900	-	233000	187000	175000
TC-JNJ	1170	233900	-	233000	187000	175000
TC-JNK	1172	233900	-	233000	187000	175000
TC-JNL	1204	233900	-	233000	187000	175000
TC-JNM	1212	233900	-	233000	187000	175000
TC-JNN	1228	233900	-	233000	187000	175000
TC-JNO	1298	233900	-	233000	187000	175000
TC-JNP	1307	233900	-	233000	187000	175000
TC-JNR	1311	233900	-	233000	187000	175000
TC-JNS	1458	235900	-	235000	187000	173000
TC-JNT	1476	235900	-	235000	187000	173000
TC-JNZ	1487	235900	-	235000	187000	173000
TC-JOA	1501	235900	-	235000	187000	173000
TC-JOB	1514	235900	-	235000	187000	173000
TC-JOC	1522	235900	-	235000	187000	173000
TC-JOD	1529	235900	-	235000	187000	173000
TC-JOE	1571	235900	-	235000	187000	173000
TC-JOF	1616	235900	-	235000	187000	173000
TC-JOG	1620	235900	-	235000	187000	173000
TC-JOH	1622	235900	-	235000	187000	173000
TC-JOI	1629	235900	-	235000	187000	173000
TC-JOJ	1640	235900	-	235000	187000	173000
TC-JOK	1642	235900	-	235000	187000	173000
TC-JOL	1644	235900	-	235000	187000	173000
TC-JOM	1499	235900	-	235000	187000	173000
TC-LNC	1696	235900	-	235000	187000	173000
TC-LND	1704	235900	-	235000	187000	173000
TC-LNE	1706	235900	-	235000	187000	173000
TC-LNF	1713	235900	-	235000	187000	173000
TC-LNG	1718	235900	-	235000	187000	173000
TC-LOA	1483	230900	-	230000	185000	173000
TC-LOB	1491	230900	-	230000	185000	173000
TC-LOC	1542	230900	-	230000	185000	173000
TC-LOD	1554	230900	-	230000	185000	173000
TC-LOE	1592	230900	-	230000	185000	173000
TC-LOF	1635	230900	-	230000	185000	173000
TC-LOG	1651	230900	-	230000	185000	173000

* Valid for Take-off with injection water

4.1.2. LMC (Last Minute Changes) Information:

Last Minute Changes (LMC) to the mass and balance sheet are only permitted when the changes of the load (either minus or plus) in last minutes are within the following limits .

A330-300: 1000 kg Total Weight (Passengers,Cargo,Mail or any combination)

These changes must be shown as pax, cargo, mail, baggage etc. in the Load & Trim Sheet. The effect of LMC in aircraft CG must be checked. Aircraft CG after LMC must not exceed forward and aft operational CG Limits. In Addition to LMC Weight, LMC Index influence should be shown on Load & Trim Sheet in a suitable space under LMC title preferably next to LMC weight.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

4.2. CG - Limits for Loadsheet Purpose

4.2.1 Take-off CG - Limits

Special condition if applicable TAKE-OFF FWD		
Specify applicability	Weight	Index Value
TC-JNH,-JNI,-JNJ,-JNK,-JNL,- JNM,-JNN,-JNO,-JNP,-JNR	110000	84.95
	210000	52.94
	233000	68.62

Special condition if applicable TAKE-OFF AFT		
Specify applicability	Weight	Index Value
TC-JNH,-JNI,-JNJ,-JNK,-JNL,- JNM,-JNN,-JNO,-JNP,-JNR	110000	105.28
	118800	106.81
	173000	151.54
	197200	171.52
	233000	178.21

Special condition if applicable TAKE-OFF FWD		
Specify applicability	Weight	Index Value
TC-JNS,-JNT,-JNZ,-JOA,-JOB,- JOC,-JOD,-JOE,-JOF,-JOG,- JOH,-JOI,-JOJ,-JOK,-JOL,- LNC,-ND,-NE,-NF,-NG	121000	80.78
	210000	52.31
	223235	61.46
	235000	69.94

Special condition if applicable TAKE-OFF AFT		
Specify applicability	Weight	Index Value
TC-JNS,-JNT,-JNZ,-JOA,- JOB,-JOC,-JOD,-JOE,-JOF,- JOG,-JOH,-JOI,-JOJ,-JOK,- JOL,-LNC,-ND,-NE,-NF,-NG	121000	111.76
	173000	154.77
	192000	170.48
	233000	178.32
	235000	159.30

Special condition if applicable TAKE-OFF FWD		
Specify applicability	Weight	Index Value
TC-LOA ,-LOB,-LOC,-LOD ,-LOE,-LOF,-LOG	121000	81.11
	210000	52.65
	212887	54.62
	230000	66.81

Special condition if applicable TAKE-OFF AFT		
Specify applicability	Weight	Index Value
TC-LOA ,-LOB,-LOC,-LOD ,-LOE,-LOF,-LOG	121000	107.54
	173000	150.45
	197200	170.43
	230000	176.61

Special condition if applicable TAKE-OFF FWD		
Specify applicability	Weight	Index Value
TC-JOM	121000	81.40
	210000	52.93
	220512	60.20
	235000	70.64

Special condition if applicable TAKE-OFF AFT		
Specify applicability	Weight	Index Value
TC-JOM	121000	110.79
	173000	153.81
	192000	169.52
	233000	177.36
	235000	158.34

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

4.2.2 Zero-Fuel CG Limits

ZERO FUEL FWD		
Specify applicability	Weight	Index Value
TC-JNH,-JNI,-JNJ,-JNK,-JNL,- JNM,-JNN,-JNO,-JNP,-JNR	110000	92.10
	136669	84.34
	140240	82.61
	142246	81.19
	174800	70.77
	175000	70.83

ZERO FUEL AFT		
Specify applicability	Weight	Index Value
TC-JNH,-JNI,-JNJ,-JNK,-JNL,- JNM,-JNN,-JNO,-JNP,-JNR	110000	137.99
	171560	166.62
	172640	168.08
	173720	167.43
	175000	167.67

ZERO FUEL FWD		
Specify applicability	Weight	Index Value
TC-JNS,-JNT,-JNZ,-JOA,-JOB,- JOC,-JOD,-JOE,-JOF,-JOG,- JOH,-JOI,-JOJ,-JOK,-JOL,- LNC,-ND,-NE,-NF,-NG	121000	88.96
	136996	84.28
	140269	82.67
	144099	79.94
	173000	70.70

ZERO FUEL AFT		
Specify applicability	Weight	Index Value
TC-JNS,-JNT,-JNZ,-JOA,- JOB,-JOC,-JOD,-JOE,-JOF,- JOG,-JOH,-JOI,-JOJ,-JOK,- JOL,-LNC,-ND,-NE,-NF,-NG	121000	143.20
	173000	167.39

ZERO FUEL FWD		
Specify applicability	Weight	Index Value
TC-LOA,-LOB,-LOC,-LOD ,-LOE,-LOF,-LOG	121000	89.60
	134967	85.51
	138244	83.91
	142635	80.75
	173000	71.04

ZERO FUEL AFT		
Specify applicability	Weight	Index Value
TC-LOA,-LOB,-LOC,-LOD ,-LOE,-LOF,-LOG	121000	141.94
	173000	166.13

ZERO FUEL FWD		
Specify applicability	Weight	Index Value
TC-JOM	121000	89,66
	136996	84,98
	140269	83,38
	144303	80,50
	173000	71,32

ZERO FUEL AFT		
Specify applicability	Weight	Index Value
TC-JOM	121000	142.18
	173000	166.38

Trim Sheet in a suitable space under LMC title preferably next to LMC weight.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

4.2.3 Landing CG - Limits

Special condition if applicable Landing CG FWD		
Specify applicability	Weight	Index Value
TC-JNH,-JNI,-JNJ,-JNK,-JNL,- JNM,-JNN,-JNO,-JNP,-JNR	110000	84.95
	187000	60.3

Special condition if applicable Landing CG AFT		
Specify applicability	Weight	Index Value
TC-JNH,-JNI,-JNJ,-JNK,-JNL,- JNM,-JNN,-JNO,-JNP,-JNR	110000	105.28
	118800	106.81
	173000	151.54
	187000	163.10

Special condition if applicable Landing CG FWD		
Specify applicability	Weight	Index Value
TC-JNS,-JNT,-JNZ,-JOA,-JOB,- JOC,-JOD,-JOE,-JOF,-JOG,- JOH,-JOI,-JOJ,-JOK,-JOL,- LNC,-ND,-NE,-NF,-NG	121000	80.78
	187000	59.67

Special condition if applicable Landing CG AFT		
Specify applicability	Weight	Index Value
TC-JNS,-JNT,-JNZ,-JOA,- JOB,-JOC,-JOD,-JOE,-JOF,- JOG,-JOH,-JOI,-JOJ,-JOK,- JOL,-LNC,-ND,-NE,-NF,-NG	121000	111.76
	173000	154.77
	187000	166.35

Special condition if applicable Landing CG FWD		
Specify applicability	Weight	Index Value
TC-LOA,-LOB,-LOC,-LOD ,-LOE,-LOF,-LOG	121000	81.11
	185000	60.64

Special condition if applicable Landing CG AFT		
Specify applicability	Weight	Index Value
TC-LOA,-LOB,-LOC,-LOD ,-LOE,-LOF,-LOG	121000	107.54
	173000	150.45
	185000	160.36

Special condition if applicable Landing CG FWD		
Specify applicability	Weight	Index Value
TC-JOM	121000	81.40
	187000	60.29

Special condition if applicable Landing CG AFT		
Specify applicability	Weight	Index Value
TC-JOM	121000	110.79
	173000	153.81
	187000	165.39

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

5. EFFECT OF FUEL -FUEL LOADING – STANDARD PROCEDURE

5.1 EFFECT OF FUEL

INNER TANKS + OUTER TANKS + TRIM TANK													
Fuel Wt. kg	Fuel Density (Kg/lt)						Fuel Wt. kg	Fuel Density (Kg/lt)					
	0.78	0.785	0.790	0.800	0.810	0.820		0.78	0.785	0.790	0.800	0.810	0.820
2000	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	73200	9.1	8.4	7.8	6.6	5.4	4.3
4000	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	73350	9.2	8.6	7.9	6.7	5.6	4.4
6000	-6.4	-6.4	-6.4	-6.4	-6.4	-6.4	73500	9.4	8.8	8.1	6.9	5.7	4.6
8000	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	73650	10.0	8.9	8.3	7.0	5.9	4.7
9000	-9.4	-9.4	-9.4	-9.4	-9.4	-9.4	73800	11.7	9.1	8.5	7.2	6.0	4.9
10000	-7.7	-7.7	-7.7	-7.7	-7.7	-7.7	73950	13.4	9.3	8.6	7.4	6.2	5.0
11000	-5.8	-5.8	-5.8	-5.8	-5.8	-5.8	74100	15.1	9.8	8.8	7.5	6.3	5.2
12000	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8	74250	16.9	11.5	9.0	7.7	6.5	5.3
14000	1.0	1.0	1.0	0.9	0.9	0.9	74400	18.6	13.2	9.2	7.9	6.6	5.5
16000	1.6	1.7	1.9	2.1	2.3	2.5	74550	20.4	15.0	9.6	8.0	6.8	5.6
18000	-0.3	-0.2	-0.1	0.1	0.3	0.5	74700	22.1	16.7	11.3	8.2	7.0	5.8
20000	-2.3	-2.2	-2.1	-1.8	-1.6	-1.4	74850	23.9	18.4	13.0	8.4	7.1	5.9
22000	-4.2	-4.1	-4.0	-3.7	-3.5	-3.3	75000	25.7	20.2	14.8	8.6	7.3	6.1
24000	-6.0	-5.9	-5.8	-5.6	-5.4	-5.2	75150	27.5	22.0	16.5	8.8	7.5	6.2
26000	-7.8	-7.7	-7.6	-7.4	-7.2	-7.0	75300	29.3	23.7	18.2	8.9	7.6	6.4
28000	-9.6	-9.5	-9.4	-9.2	-9.0	-8.8	75450	31.1	25.5	20.0	9.2	7.8	6.5
30000	-11.4	-11.3	-11.1	-11.0	-10.8	-10.6	75600	32.9	27.3	21.7	10.9	8.0	6.7
32000	-13.0	-13.0	-12.9	-12.7	-12.5	-12.3	75750	34.8	29.1	23.5	12.7	8.2	6.9
34000	-14.7	-14.6	-14.6	-14.4	-14.2	-14.0	75900	36.6	30.9	25.3	14.4	8.3	7.0
36000	-16.4	-16.3	-16.2	-16.0	-15.9	-15.7	76050	38.4	32.7	27.1	16.1	8.5	7.2
36500	-16.8	-16.7	-16.6	-16.4	-16.3	-16.1	76200		34.6	28.9	17.9	8.7	7.4
37000	-11.3	-11.2	-11.1	-10.8	-10.8	-10.6	76350		36.4	30.7	19.6	8.9	7.6
37500	-5.7	-5.6	-5.5	-5.3	-5.2	-5.0	76500		38.2	32.5	21.4	10.6	7.7
38000	0.0	0.0	0.1	0.3	0.5	0.6	76650			34.3	23.1	12.3	7.9
38500	5.6	5.7	5.7	5.9	6.1	6.2	76800			36.2	24.9	14.0	8.1
39000	10.1	10.2	10.3	10.4	10.6	10.8	76950			38.0	26.7	15.7	8.3
40000	9.3	9.4	9.5	9.6	9.8	9.9	77100				28.5	17.5	8.5
45000	5.5	5.6	5.6	5.7	5.9	6.0	77250				30.3	19.2	8.6
50000	2.5	2.4	2.4	2.4	2.4	2.5	77400				32.1	21.0	10.2
55000	0.8	0.7	0.6	0.4	0.3	0.1	77550				33.9	22.7	11.9
60000	0.7	0.5	0.3	-0.1	-0.5	-0.8	77700				35.7	24.5	13.6
65000	2.2	1.9	1.5	0.9	0.3	-0.3	77850				37.6	26.3	15.3
70000	5.7	5.1	4.6	3.6	2.7	1.9	78000				39.4	28.1	17.1
72000	7.7	7.1	6.5	5.4	4.3	3.3	78150					29.9	18.8
72150	7.8	7.2	6.7	5.5	4.4	3.4	78300					31.7	20.6
72300	8.0	7.4	6.8	5.7	4.5	3.5	78450					33.5	22.3
72450	8.2	7.6	7.0	5.8	4.7	3.6	78600					35.3	24.1
72600	8.3	7.7	7.1	6.0	4.8	3.8	78750					37.2	25.9
72750	8.5	7.9	7.3	6.1	5.0	3.9	78900					39.0	27.7
72900	8.7	8.1	7.4	6.3	5.1	4.0	79050						29.5
73050	8.9	8.2	7.6	6.4	5.3	4.2	79200						31.3

Fuel Wt. kg	Fuel Density (Kg/lt)					
	0.78	0.785	0.790	0.800	0.810	0.820

FuelWt kg	Fuel Density (Kg/lt)					
	0.78	0.785	0.790	0.800	0.810	0.820
79350						33.1
79500						34.9
79650						36.7
79800						38.6
79950						40.4
FULL						40.7

**If any non-standard refueling is conducted due to the refueling failures & tank system failures, fuel index values can be calculated manually by using the individual tank fuel index tables (copied from FCOM 2.01.40) on the page AHM560 05.14 , with the supervision of the responsible technical staff and commander (flight crew).

5.2 APU / TAXI FUEL WEIGHT

Due to local taxiing distances and local needs for APU running, total taxi Fuel may be different in your local station. It may be calculated by using the following fuel flow figures;

Taxi Fuel Flow = **25 kg/minute**

APU Fuel Flow = **215 kg/hour**

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s)	A / C TYPE A330-300	Carrier TK

5.3 EFFECT OF FUEL Inner+Outer Tanks & Trim tank seperately

If DCS database & loadcontroller input command allows loadcontroller to input inner+outer tanks tanks & trim tank seperately then the tables below can be used. The amount of fuel in trim tank should be stated as SI message on electronic loadsheet.

Fuel Index calculation shall be done as follows:

A - Fuel quantity in each individual tank should be recorded.

B - Fuel in Inner + Outer tanks should be read and corresponding fuel index should be read from "Inner + Outer Tanks Table".

C - Fuel in Trim tank should be read and corresponding fuel index should be read from "Trim Tank Table".

D - Fuel Index found from above items "B" & "C" are summed to get Total Fuel Index.

-Note that there is NO CENTER TANK .

Inner + Outer Tanks Table									
Fuel Wt. Kg	Fuel Density (Kg/lt)				Fuel Wt. Kg	Fuel Density (Kg/lt)			
	0.760	0.785	0.80	0.83		0.760	0.785	0.80	0.83
2000	-2.1	-2.1	-2.1	-2.1	37000	-17.5	-17.1	-16.8	-16.3
4000	-4.2	-4.2	-4.2	-4.2	37500	-17.9	-17.5	-17.3	-16.8
6000	-6.3	-6.4	-6.4	-6.4	38000	-18.3	-17.9	-17.7	-17.2
8000	-8.4	-8.4	-8.4	-8.4	38900	-19.0	-18.6	-18.4	-17.9
9000	-9.4	-9.4	-9.4	-9.5	40000	-19.8	-19.4	-19.2	-18.8
10000	-7.7	-7.7	-7.7	-7.7	45000	-23.2	-23.0	-22.9	-22.6
11000	-5.8	-5.8	-5.8	-5.8	50000	-25.2	-25.6	-25.7	-25.8
12000	-3.7	-3.7	-3.8	-3.8	55000	-25.7	-26.6	-27.0	-27.7
14000	1.1	1.0	0.9	0.8	60000	-24.6	-26.1	-26.8	-28.1
14548	2.6	2.5	2.4	2.3	65000	-21.5	-23.8	-25.0	-27.0
14730	2.4	3.0	2.9	2.8	69388	-16.9	-20.1	-21.8	-24.7
14840	2.3	2.9	3.2	3.1	71670		-17.5	-19.5	-22.9
15060	2.1	2.7	3.0	3.7	73040			-17.8	-21.6
16000	1.2	1.7	2.1	2.7	75780				-18.5
20000	-2.7	-2.2	-1.9	-1.2					
22000	-4.6	-4.1	-3.8	-3.1					
24000	-6.4	-5.9	-5.6	-5.0					
26000	-8.2	-7.7	-7.4	-6.8					
28000	-10.0	-9.5	-9.2	-8.6					
30000	-11.7	-11.3	-11.0	-10.4					
32000	-13.4	-13.0	-12.7	-12.1					
34000	-15.1	-14.7	-14.4	-13.8					
36000	-16.7	-16.3	-16.0	-15.5					
36500	-17.1	-16.7	-16.4	-15.9					

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s)	A / C TYPE A330-300	Carrier TK

5.3 EFFECT OF FUEL Inner+Outer Tanks & Trim tank seperately

Trim Tank Table			
Fuel Wt. (Kg)	Index	Fuel Wt. (Kg)	Index
0	0.0	2700	30.4
200	2.2	2900	32.6
300	3.3	3000	33.8
400	4.4	3100	35.0
500	5.6	3300	37.3
600	6.7	3500	39.6
800	8.9	3600	40.8
900	10.0	3800	43.1
1000	11.2	4000	45.5
1200	13.4	4100	46.7
1400	15.6	4200	47.9
1500	16.8	4400	50.3
1600	17.9	4600	52.7
1800	20.1	4700	54.1
1900	21.3	4735¹	54.5
2100	23.5	4891²	56.5
2200	24.7	4984³	57.6
2400	26.9	5171⁴	59.7
2600	29.2		

VOLUMETRIC CAPACITY (Inner Tanks + Outer Tanks + Trim Tank)		
	Lt	Kg (Density 0.80 Kg/Lt)
INNER TANKS	42000 Lt * 2 = 84000 Lt	67200 KG
OUTER TANKS	3650 Lt * 2 = 7300 Lt	5840 KG
TRIM TANK	6230 Lt	4984 KG
TOTAL	97530 Lt	78024 KG

Example calculation (Density 0.8 Kg / Lt) :

Individual Tank	Weight	Index
Inner & Outer Tanks	36500 Kg	-16.4
Trim Tank	500 Kg	5.6
Total Fuel	37000 Kg	-10.8

¹ max. fuel capacity for fuel density 0.760

² max. fuel capacity for fuel density 0.785

³ max. fuel capacity for fuel density 0.80

⁴ max. fuel capacity for fuel density 0.83

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 7
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

6. CREW

6.1. Number of cockpit crew seats and average location

Maximum number of cockpit seats	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
4	-	27.002	-	0.01080

6.2. Number of cabin crew seats and location

CABIN Crew seats locations	Max. No. of seats	Length of arm from reference station		Index influence	
		+/-	meter(s)	+/-	per 1 kg
FWD	3	-	24.800	-	0.00992
MID	4	-	3.675	-	0.00147
AFT	4	+	23.025	+	0.00921

CABIN Crew seats locations	Max. No. of seats SEATS	Length of arm from reference station		Index influence	
		+/-	meter(s)	+/-	per 1 kg
FWD*	3	-	24,125	-	0,00965
MID*	4	-	3,475	-	0,00139
AFT*	4	+	22,712	+	0,00908

*Its valid only for TC-LOA,-LOB,-LOC,-LOD,-LOE,-LOF,-LOG

6.3. Crew Distribution / Crew Code

Crew Code	Cockpit Crew Total No	Cabin Crew Total No	Number of Cabin Crews at Location			Location of Crew Baggage
			FWD	MID	AFT	
2/8	2	8	2	4	2	BULK CARGO COMPT. 51
2/9	2	9	3	4	2	
2/10	2	10	3	4	3	
2/11	2	11	3	4	4	
3/8	3	8	2	4	2	
3/9	3	9	3	4	2	
3/10	3	10	3	4	3	
3/11	3	11	3	4	4	
4/8	4	8	2	4	2	
4/9	4	9	3	4	2	
4/10	4	10	3	4	3	
4/11	4	11	3	4	4	

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 8
	A/ C TYPE A330-300	Carrier TK

7. GALLEY AND PANTRY

7.1. Galleys

For JNH- ---JOK,-JOL,-LNC,-LND,-LNE,-LNF,-LNG

Galley locations	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
FWD	-	23.250	-	0.00930
MID	-	11.625	-	0.00465
AFT	+	22.393	+	0.008957

For JOM

Galley locations	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
FWD	-	23.162	-	0.00927
MID	-	12.152	-	0.00506
AFT	+	22.416	+	0.008966

For TC- LOE,- LOA,-LOC,-LOD, LOF,-LOG,-LOB

Galley locations	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
FWD	-	24.325	-	0.00973
MID	-	12.125	-	0.00485
AFT	+	22.425	+	0.00897

7.2 Pantry Weight / Pantry Code

Pantry Weight / Pantry Code is given on A/C BASIC & DRY OPERATING WEIGHT & INDEX TABLE.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 9
Cabin Configuration(s) ALL	A / C TYPE A330-300	Carrier TK

7.3 SEATING CONDITIONS

7.3.1 LOADSHEET OUTPUT

STATE BELOW HOW THE SEATING CONDITIONS SHOULD BE SHOWN IN THE RESPECTIVE LOADSHEET BOX. GIVE EXAMPLE. ENCLOSE A PASSENGER DISTRIBUTION TABLE IF USED. A PERMANENT PASSENGER DISTRIBUTION TABLE IS NOT USED.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 10
	A / C TYPE A330-300	Carrier TK

8. PASSENGER CABIN

8.1 Passenger Seats

CLASS CODES Class 1 : C Class 2 : Y Class 3 : -

TC-JNH,-I,-J,-K,-L,-M,-N,-O,-P,-R,-S,-T,-JNZ,-JOA,-B,-C,-D,-E,-F,-G,-H,-I,-J,-K,-L,-LNC,-ND,-NE,-NF,-NG

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 289Y				
OA		28		28
OB		138		138
OC		123		123
Total per class		289		

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 28C/261Y				
OA	28			28
OB		138		138
OC		123		123
Total per class	28	261		

TC-JOM

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 291Y				
OA		28		28
OB		140		140
OC		123		123
Total per class		291		

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 28C/263Y				
OA	28			28
OB		140		140
OC		123		123
Total per class	28	263		

TC-LOA,-LOB,-LOC,-LOD,-LOE,-LOF,-LOG

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 305Y				
OA		40		40
OB		144		144
OC		121		121
Total per class		305		

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 40C/265Y				
OA	40			40
OB		144		144
OC		121		121
Total per class	40	265		

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 10
	A / C TYPE A330-300	Carrier TK

8. PASSENGER CABIN

8.2 Class/Cabin Sections

TC-JNH,-I,-J,-K,-L,-M,-N,-O,-P,-R,-S,-T,-JNZ,-JOA,-B,-C,-D,-E,-F,-G,-H,-I,-J,-K,-L,-LNC-ND,-NE,-NF,-NG

Class/Cabin Section	Length of arm from reference station		H.Arm	Index influence	
	+/-	meter(s)	meter(s)	+/-	per 1 kg
OA	-	17.530	18.820	-	0.00701
OB	-	2.963	33.387	-	0.00119
OC	+	12.515	48.865	+	0.00501

TC-JOM

	+/-	meter(s)	meter(s)	+/-	per 1 kg
OA	-	17.527	18.823	-	0.00701
OB	-	2.807	33.543	-	0.00112
OC	+	12.796	49.146	+	0.00512

TC-LOA,-LOB,-LOC,-LOD,-LOE, -LOF, -LOG

	+/-	meter(s)	meter(s)	+/-	per 1 kg
OA	-	17.776	18.574	-	0.00711
OB	-	3.032	33.318	-	0.00121
OC	+	12.664	49.014	+	0.00507

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 11
	A / C TYPE A330-300	Carrier TK

8.3 Seating Layout

Show the passenger seating layout for the configurations given in the box at the top by inserting the seat row numbers and letters in the following table. For special seats use the description codes listed below :

- B = Bassinet position
- C = Crew seat
- E = Emergency exit
- G = Groups
- H = Incapacitated passenger
- I = Infant preference rows/seats
- J = Rear facing seats
- K = Near galley
- L = Leg space seat
- M = Wheel chair
- N = No Smoking
- O = Over wing seat
- P = Stretcher location
- Q = Quiet zone
- S = Smoking
- T = Near toilet
- U = Unaccompanied minor
- V = Seat left vacant/offered last
- W = No Movie
- X = No facility seat (e.g. no distinction between smoking and non-smoking)
- Y = Not fitted
- Z = Buffer zone
- . = Aisle

Alfa/Characters - A, D, F, R, Blank not used

Note : Seat designators to be in accordance with Recommended Practice 1711.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 11
Cabin Configuration(s)	A / C TYPE	Carrier
TC-JNH,I,J,K,L,M,N,O,P,R,S,T,Z, -JOA,B,C,D,E,F,G,-H,-I,-J,-K,-L,-LNC- LND-LNE-LNF-LNG	A330-300	TK

8.3.1 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Cabin Config. 28C/261Y										Length of arm from reference station	Index Influence per Seat-Row per 1kg	
		A	B		D	E	F	G		J	K			
A	1	NBI	NI	.	NI	N			.	NI	NBI	-21.075	-0.00843	
	2	NI	N	.	NI	N			.	N	NI	-19.150	-0.00766	
	3	NI	N	.	NI	N			.	N	NI	-17.200	-0.00688	
	4	NI	N	.	NI	N			.	N	NI	-15.275	-0.00611	
	5	NI	N	.					.	N	NI	-13.675	-0.00547	
B	6	NI	NBI	.	N	NBI	NBI	N	.	NBI	NI	-9.475	-0.00379	
	7	NI	N	.	N	N	NI	N	.	N	NI	-8.625	-0.00345	
	8	NI	N	.	N	N	NI	N	.	N	NI	-7.825	-0.00313	
	9	NI	N	.	N	N	NI	N	.	N	NI	-7.025	-0.00281	
	10	NI	N	.	N	N	NI	N	.	N	NI	-6.225	-0.00249	
	11	NI	N	.	N	N	NI	N	.	N	NI	-5.425	-0.00217	
	12	NI	N	.	N	N	NI	N	.	N	NI	-4.650	-0.00186	
	13	NI	N	.	N	N	NI	N	.	N	NI	-3.850	-0.00154	
	14	NI	N	.	N	N	NI	N	.	N	NI	-3.050	-0.00122	
	15	NI	N	.	N	N	NI	N	.	N	NI	-2.250	-0.00090	
	16	NI	N	.	N	N	NI	N	.	N	NI	-1.475	-0.00059	
	17	NI	N	.	N	N	NI	N	.	N	NI	-0.675	-0.00027	
	18	NI	N	.	N	N	NI	N	.	N	NI	0.100	+0.00004	
	19	NI	N	.	N	N	NI	N	.	N	NI	0.900	+0.00036	
	20	NI	N	.	N	N	NI	N	.	N	NI	1.675	+0.00067	
	21	NI	N	.	N	N	NI	N	.	N	NI	2.475	+0.00099	
	22	NI	N	.	N	N	NI	N	.	N	NI	3.250	+0.00130	
	23			.					.	N	NI	3.975	+0.00159	
	C	24	NE	NE	.	N	NBI	NBI	N	.	NE	NE	6.725	+0.00269
		25	NI	N	.	N	N	NI	N	.	N	NI	7.575	+0.00303
		26	NI	N	.	N	N	NI	N	.	N	NI	8.375	+0.00335
		27	NI	N	.	N	N	NI	N	.	N	NI	9.175	+0.00367
		28	NI	N	.	N	N	NI	N	.	N	NI	9.950	+0.00398
29		NI	N	.	N	N	NI	N	.	N	NI	10.750	+0.00430	
30		NI	N	.	N	N	NI	N	.	N	NI	11.525	+0.00461	
31		NI	N	.	N	N	NI	N	.	N	NI	12.325	+0.00493	
32		NI	N	.	N	N	NI	N	.	N	NI	13.100	+0.00524	
33		NI	N	.	N	N	NI	N	.	N	NI	13.900	+0.00556	
34		NI	N	.	N	N	NI	N	.	N	NI	14.675	+0.00587	
35		NI	N	.	N	NI	N	N	.	N	NI	15.450	+0.00618	
36		NI	N	.	N	NI	N		.	N	NI	16.275	+0.00651	
37		NI	N	.	N	NI	N		.	N	NI	17.075	+0.00683	
38		NI	N	.	N	NI	N		.	N	NI	17.875	+0.00715	
39				.	N	NI	N		.			18.425	+0.00737	
40				.	N	NI	N		.			19.225	+0.00769	

FIXED CERTAIN CLASS DIVIDER is shown as :

THE AISLE is shown as : | |

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA		C Sheet 11
Cabin Configuration(s)	A / C TYPE		Carrier
TC-JOM	A330-300		TK

8.3.1 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Cabin Config. 28C/263Y										Length of arm from reference station	Index Influence per Seat-Row per 1kg
		A	B		D	E	F	G		J	K		
A	1	NBI	NI	.	NI	N			.	NI	NBI		-0.00842
	2	NI	N	.	NI	N			.	N	NI		-0.00765
	3	NI	N	.	NI	N			.	N	NI		-0.00689
	4	NI	N	.	NI	N			.	N	NI		-0.00613
	5	NI	N	.					.	N	NI		-0.00544
B	11	NI	NBI	.	N	N	N	N	.	NBI	NI		-0.00378
	12	NI	N	.	N	N	NI	N	.	N	NI		-0.00346
	13	NI	N	.	N	N	NI	N	.	N	NI		-0.00313
	14	NI	N	.	N	N	NI	N	.	N	NI		-0.00281
	15	NI	N	.	N	N	NI	N	.	N	NI		-0.00249
	16	NI	N	.	N	N	NI	N	.	N	NI		-0.00216
	17	NI	N	.	N	N	NI	N	.	N	NI		-0.00184
	18	NI	N	.	N	N	NI	N	.	N	NI		-0.00152
	19	NI	N	.	N	N	NI	N	.	N	NI		-0.00120
	20	NI	N	.	N	N	NI	N	.	N	NI		-0.00088
	21	NI	N	.	N	N	NI	N	.	N	NI		-0.00056
	22	NI	N	.	N	N	NI	N	.	N	NI		-0.00024
	23	NI	N	.	N	N	NI	N	.	N	NI		+0.00008
	24	NI	N	.	N	N	NI	N	.	N	NI		+0.00040
	25	NI	N	.	N	N	NI	N	.	N	NI		+0.00072
	26	NI	N	.	N	N	NI	N	.	N	NI		+0.00104
	27	NI	N	.	N	N	NI	N	.	N	NI		+0.00135
	28			.	N	N	NI	N	.				+0.00163
	29			.	N	NBI	NBI	N	.				+0.00271
	C	30	NI	N	.	N	N	NI	N	.	N	NI	
31		NI	N	.	N	N	NI	N	.	N	NI		+0.00327
32		NI	N	.	N	N	NI	N	.	N	NI		+0.00359
33		NI	N	.	N	N	NI	N	.	N	NI		+0.00391
34		NI	N	.	N	N	NI	N	.	N	NI		+0.00423
35		NI	N	.	N	N	NI	N	.	N	NI		+0.00455
36		NI	N	.	N	N	NI	N	.	N	NI		+0.00487
37		NI	N	.	N	N	NI	N	.	N	NI		+0.00519
38		NI	N	.	N	N	NI	N	.	N	NI		+0.00551
39		NI	N	.	N	N	NI	N	.	N	NI		+0.00584
40		NI	N	.	N	NI	N	N	.	N	NI		+0.00616
41		NI	N	.	N	NI	N		.	N	NI		+0.00648
42		NI	N	.	N	NI	N		.	N	NI		+0.00680
43		NI	N	.	N	NI	N		.	N	NI		+0.00712
44		NI	N	.	N	NI	N		.	NI	N		+0.00744
45				.	N	NI	N		.				+0.00775

FIXED CERTAIN CLASS DIVIDER is shown as

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 11
Cabin Configuration(s)	A / C TYPE	Carrier
TC-LOA,-LOB-LOC,-LOD,-LOE,-LOF,-LOG	A330-300	TK

8.3.1 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Cabin Config. 40C/265Y										Length of arm from reference station	Index Influence per Seat-Row per 1kg
		A	B		D	E	F	G		J	K		
A	1	NBI	NI	.	NI	N			.	NI	NBI		-0.00861
	2	NI	N	.	NI	N			.	N	NI		-0.00808
	3	NI	N	.	NI	N			.	N	NI		-0.00755
	4	NI	N	.	NI	N			.	N	NI		-0.00702
	5	NI	N	.	NI	N			.	N	NI		-0.00649
	6	NI	N	.	NI	N			.	N	NI		-0.00597
	7	NI	N	.	NI	N			.				-0.00552
B	8	NIE	NIE	.	NE	NE	NE	NE	.	NIE	NIE		-0.00390
	9	NI	N	.	N	N	NI	N	.	N	NI		-0.00358
	10	NI	N	.	N	N	NI	N	.	N	NI		-0.00327
	11	NI	N	.	N	N	NI	N	.	N	NI		-0.00295
	12	NI	N	.	N	N	NI	N	.	N	NI		-0.00264
	13	NI	N	.	N	N	NI	N	.	N	NI		-0.00232
	14	NI	N	.	N	N	NI	N	.	N	NI		-0.00201
	15	NI	N	.	N	N	NI	N	.	N	NI		-0.00169
	16	NI	N	.	N	N	NI	N	.	N	NI		-0.00138
	17	NI	N	.	N	N	NI	N	.	N	NI		-0.00106
	18	NI	N	.	N	N	NI	N	.	N	NI		-0.00075
	19	NI	N	.	N	N	NI	N	.	N	NI		-0.00043
	20	NI	N	.	N	N	NI	N	.	N	NI		-0.00012
	21	NI	N	.	N	N	NI	N	.	N	NI		+0.00020
	22	NI	N	.	N	N	NI	N	.	N	NI		+0.00051
	23	NI	N	.	N	N	NI	N	.	N	NI		+0.00083
	24	NI	N	.	N	N	NI	N	.	N	NI		+0.00114
	25	NI	N	.					.	N	NI		+0.00146
	26	NI	N	.					.	N	NI		+0.00177
	27			.	NE	NBIE	NBIE	NE	.				+0.00268
	28	NIE	NE	.	N	N	NI	N	.	NE	NIE		+0.00295
	29	NI	N	.	N	N	NI	N	.	N	NI		+0.00327
	30	NI	N	.	N	N	NI	N	.	N	NI		+0.00359
	31	NI	N	.	N	N	NI	N	.	N	NI		+0.00391
	32	NI	N	.	N	N	NI	N	.	N	NI		+0.00422
	33	NI	N	.	N	N	NI	N	.	N	NI		+0.00454
	34	NI	N	.	N	N	NI	N	.	N	NI		+0.00486
35	NI	N	.	N	N	NI	N	.	N	NI		+0.00518	
36	NI	N	.	N	N	NI	N	.	N	NI		+0.00550	
37	NI	N	.	N	N	NI	N	.	N	NI		+0.00582	
38	NI	N	.	N	NI	N	N	.	N	NI		+0.00614	
39	NI	N	.	N	NI	N		.	N	NI		+0.00646	
40	NI	N	.	N	NI	N		.	N	NI		+0.00678	
41	NI	N	.	N	NI	N		.	N	NI		+0.00710	
42			.	N	NI	N		.	NI	N		+0.00740	
43			.	N	NI	N		.				+0.00772	

FIXED CERTAIN CLASS DIVIDER is shown as

THE AISLE is shown as : | |

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 12
Cabin Configuration(s)	A / C TYPE A330-300	Carrier TK
ALL		

9. DETAILS FOR COMPARTMENT TRIM

COMPARTMENT		MAXIMUM CAPACITY		Index influence	
NUMBER	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME* (m ³)	+/-	per 1 kg
1	FWD CARGO HOLD	1+2 MAX.CUM. 22861		-	0.00769
2	FWD CARGO HOLD			-	0.00471
3	AFT CARGO HOLD	3+4 MAX.CUM. 18507		+	0.00332
4	AFT CARGO HOLD			+	0.00530
5	REAR / BULK Cargo Hold	3468		+	0.00716

TC-LOA,-LOB,-LOC,-LOD,-LOE, -LOF, -LOG

COMPARTMENT		MAXIMUM CAPACITY		Index influence	
NUMBER	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME* (m ³)	+/-	per 1 kg
1	FWD CARGO HOLD	1+2 MAX.CUM. 22861		-	0.00769
2	FWD CARGO HOLD			-	0.00471
3	AFT CARGO HOLD	3+4 MAX.CUM. 18507		+	0.00287
4	AFT CARGO HOLD			+	0.00530
5	REAR / BULK Cargo Hold	3468		+	0.00716

Remarks:

* : Volume information is given only for Bulk compartments.

9.1 Combined Load Limitations: N/A

COMPARTMENT 1 + COMPARTMENT 2 MAX CUMULATIVE = 22861 KG
COMPARTMENT 3 + COMPARTMENT 4 MAX CUMULATIVE = 18507 KG

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 13
Cabin Configuration(s)	A / C TYPE A330-300	Carrier TK
ALL		

10. DETAILS FOR BAY / SECTION TRIM

BAY / SECTION	DESCRIPTION	GROSS WEIGHT(kg)	VOLUME (M ³)	H.Arm	Index influence	
				(mt)	+/-	per 1 kg
11 L or R	AVE , AKE	1587		1542.5	-	0.00837
12 L or R	AVE , AKE	1587		1722.5	-	0.00765
13 L or R	AVE , AKE	1587		1880.0	-	0.00702
11	PLA , P9A	3174		1542.5	-	0.00837
12	PLA , P9A	3174		1722.5	-	0.00765
13	PLA , P9A	3174		1880.0	-	0.00702
11P	PAG	4626		1577.5	-	0.00823
12P	PAG	4626		1845.0	-	0.00716
11P	PMC	5103		1587.5	-	0.00819
12P	PMC	5103		1835.0	-	0.00720
21 L or R	AVE , AKE	1587		2057.5	-	0.00631
22 L or R	AVE , AKE	1587		2215.0	-	0.00568
23 L or R	AVE , AKE	1587		2372.5	-	0.00505
24 L or R	AVE , AKE	1587		2550.0	-	0.00434
25 L or R	AVE , AKE	1587		2707.5	-	0.00371
26 L or R	AVE , AKE	1587		2865.0	-	0.00308
21	PLA , P9A	3174		2057.5	-	0.00631
22	PLA , P9A	3174		2215.0	-	0.00568
23	PLA , P9A	3174		2372.5	-	0.00505
24	PLA , P9A	3174		2550.0	-	0.00434
25	PLA , P9A	3174		2707.5	-	0.00371
26	PLA , P9A	3174		2865.0	-	0.00308
21P	PAG	4626		2092.5	-	0.00617
22P	PAG	4626		2337.5	-	0.00519
23P	PAG	4626		2585.0	-	0.00420
24P	PAG	4626		2830.0	-	0.00322
21P	PMC	5103		2080.0	-	0.00622
22P	PMC	5103		2327.5	-	0.00523
23P	PMC	5103		2575.0	-	0.00424
24P	PMC	5103		2820.0	-	0.00326

REMARKS: -PAG and PMC pallet index influences are equalized by averaging original influences. This allowed to minimize the number of Hold versions.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 13
Cabin Configuration(s)	A / C TYPE A330-300	Carrier TK
ALL		

10. DETAILS FOR BAY / SECTION TRIM

BAY / SECTION	DESCRIPTION	GROSS WEIGHT(kg)	VOLUME (m ³)	H.Arm	Index influence	
				(mt)	+/-	per 1 kg
JOM-LOE-LOF- LOA-LOC,LOD- LOG-LOB	31 L or R.	AVE , AKE	1587	4090	+	0.00182
	31	PLA , P9A	3174	4090	+	0.00182
	31P	PAG	4626	4125	+	0,00196
	31P	PMC	5103	4135	+	0.00200
32 L or R	AVE , AKE	1587		4335.0	+	0.00280
33 L or R	AVE , AKE	1587		4492.5	+	0.00343
34 L or R	AVE , AKE	1587		4652.5	+	0.00407
32	PLA , P9A	3174		4335.0	+	0.00280
33	PLA , P9A	3174		4492.5	+	0.00343
34	PLA , P9A	3174		4652.5	+	0.00407
32P	PAG	4626		4370.0	+	0.00294
33P	PAG	4626		4597.5	+	0.00385
32P	PMC	5103		4380.0	+	0.00298
33P *	PMC	5103		4607.5	+	0.00389
41 L or R	AVE , AKE	1587		4807.5	+	0.00469
42 L or R	AVE , AKE	1587		4965.0	+	0.00532
43 L or R	AVE , AKE	1587		5125.0	+	0.00596
41	PLA , P9A	3174		4807.5	+	0.00469
42	PLA , P9A	3174		4965.0	+	0.00532
43	PLA , P9A	3174		5125.0	+	0.00596
41P	PAG	4626		4842.5	+	0.00483
42P	PAG	4626		5070.0	+	0.00574
41P	PMC	5103		4832.5	+	0.00479
42P	PMC	5103		5080.0	+	0.00578
51		339	1.87	5275.0	+	0.00656
52		1413	7.87	5327.5	+	0.00677
53		1716	9.94	5532.5	+	0.00759

REMARKS:

* With 96 X 125 in (PMC) ULD loaded on position 33P, positions 32P and 41P have to remain unoccupied or loaded with 88 X 125 in ULDs.

* * Positions 31R , 31L , 31 , 31P are occupied by Lower Deck Mobile Crew rest (LDMCR) container in every flight. So these positions are not available for loading and they are not given in above table. (valid for only TC-JNH,I,J,K,L,M,N,O,P,R,S,T,Z,-JOA,B,C,D,E,F,G,-H,-I,-J,-K,-L)

- PAG and PMC pallet index influences are equalized by averaging original influences. This allowed to minimize the number of hold versions.

10. UNSYMMETRICAL LOAD LIMITATIONS

N/A

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 14
	A / C TYPE A330-300	Carrier TK

11. BALLAST

FIXED PROVISIONS FOR CARRYING BALLAST?

REMARKS: BALLAST IS NOT REQUIRED

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	D Sheet 1
	A / C TYPE A330-300	Carrier TK

1. CG – LIMITS

1.1. Planning Limits

CG-Limits for loadplanning purpose shall be agreed between carrier and system operator.

1.2 Ideal Trim Line at ZFW for Fuel Saving Purposes

The IDEAL TRIM LINE shown in the balance graph below is a loadplanning limit only. In the interest of fuel economy the load in the compartments shall whenever possible, be distributed in such a way that the LIZFW is aft of this line. The respective breakpoints (weight / index) of the ideal trim line shall be entered in the table below.

WEIGHT	INDEX VALUE
120000	100.0
173000	114.5
175000	115.0

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	D Sheet 2
	A/C TYPE A330-300	Carrier TK

2. UNIT LOAD DEVICES DETAILS

Type Code	Tare weight	Maximum Capacity		Remarks
		Gross Weight	VOLUME (M ³)	
AVE	90	1587	4.41	60.4x61.5in.half-size container V3(LD3)
AKE	90	1587	4.41	60.4x61.5 in. half-size container V3(LD3)
PLA	90	3174	6.86	60.4x125 inch size pallet (W2)
P9A	90	3174	6.86	60.4x125 inch size pallet (W2)
PAG	110	4626	10.0	88x125 inch size pallet (A2)
PMC	120	5103	10.9	96x125 inch size pallet (O2)

NOTES : - GROSS WEIGHT includes tare weight of pallets, containers, nets and igloo
 - GROSS WEIGHT is valid for only the aircraft type A330-300.

2.1 UNIT LOAD DEVICES NOTES

In ULD compartments (compartments other than bulk Compartment) cargo and bags should be loaded only in ULD. Do not load anything at the empty spaces around ULDs and between ULDs.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	D Sheet 3
	A / C TYPE A330-300	Carrier TK

3. SPECIAL LOAD

Turkish Airlines & IATA regulations apply. When necessary contact Turkish Airlines Station Manager.