

A330-243F
IATA AHM560 DATA
LIST OF EFFECTIVE PAGES
REV 17

17-Dec-2018

Pages/Sheets that are common to all A/C Types. Located in .PDF file "THY-AHM560_Pages_00.00-02.04.pdf"

PAGE NO	ISSUE DATE	REV NO	ACTION FOR PAGES	SHEET NO	PAGE DESCRIPTION
00.00	-	-	-	-	Title Page
01.00	-	-	-	-	Contents
02.00	01Jan06	-	-	-	General Info
02.01	01Jan06	-	-	A1,A2	Contact Address.
02.02	01Jan06	-	-	B1,B2	Passenger & baggage weights/ crew weights
02.03	01Jan06	-	-	-	DOW and DOI specifications / Special Information
02.04	01Jan06	-	-	-	Load&Trim Sheet Information
16.00	17Dec18	17	Updated	-	List Of Eff. Pages
16.01	31Mar11	00	-	C2,C3	Basic Index and MAC formula/ Stabilizer Trim Settings/A/C Registration, Wt Index Details
16.02	17Dec18	17	Updated	-	A/C Basic & Dry Operating Weight & Index Table
16.03	10Sep18	15	-	C4	Aircraft Weight Limitations
16.04	11Apr11	01	-	C5	CG Limits for Loadsheets Purpose
16.04A	25Jan17	11	-	C5	CG Limits for Loadsheets Purpose
16.04B	10Sep18	15	-	C5	CG Limits for Loadsheets Purpose
16.04C	25Oct16	10	-	C5	CG Limits for Loadsheets Purpose
16.05	11Apr11	01	-	C6	Effect of Fuel - Fuel Density
16.05A	10Sep18	15	-	C6	Effect of Fuel - Fuel Density (JDO)
16.06	31Mar11	00	-	C7	Cockpit Index,Cabin Crew Seats,Crew Distr.
16.07	31Mar11	00	-	C8	Galley Weight&Codes
16.08	31Mar11	00	-	C9,C10	Passenger Seats Average Station (Cabin Areas)
16.09	31Mar11	00	-	C10	Seating Layout Code Letters
16.10	31Mar11	00	-	C11	Seat Plan Layout , Facilities & Row index Influence
16.11	08Oct18	16	-	C12	Details For Compartment Trim
16.12	10Sep18	15	-	C13	Details For Bay/Section Trim
16.12A	10Sep18	15	-	C13	Details For Bay/Section Trim
16.12B	31Mar11	00	-	C13	Details For Bay/Section Trim
16.12C	31Mar11	00	-	C13	Details For Bay/Section Trim
16.12D	14May15	08	-	C13	Details For Bay/Section Trim
16.13	19Dec17	13	-	C14,D1 D2,D3	BALLAST,CG LIMITS / Ideal Trim Line, Unit Load Devices / Special Load
06.14	31Mar11	00	-	-	Load&Trim Sheet A330-243F (Cargo) front side
06.14A	31Mar11	00	-	-	Load&Trim Sheet A330-243F (Cargo) reverse side

A330-243F REVISIONS

17-Dec-2018

REV NO	REVISION DESCRIPTION
17	JOO has been weighed. JDP, JOU BW/BI changed due to Eng.Order
16	JOO has been weighed.
15	New Aircraft (TC-JOO) entered THY fleet, JDO has been weighed.
14	TC-JDS and TC-JOU have been weighed. Fuel Index tables added.
13	TC-JCI has been weighed and Ideal Trim Line added.
12	Modifications applied to Aircraft (TC-JDS,TC-JCI)
11	New Aircraft (TC-JOZ) entered THY fleet
10	New Aircraft (TC-JOY) entered THY fleet, JDO, JDR, JOU BW/BI changed due to Eng.Order.
09	New Aircraft (TC-JOV) entered THY fleet
08	TC-JDP has been weighed
07	New Aircraft (TC-JOU) entered THY fleet
06	TC-JDO has been weighed
05	New Aircraft (TC-JCI) entered THY fleet
04	New Aircraft (TC-JDS) entered THY fleet
03	New Aircraft (TC-JDR) entered THY fleet
02	New Aircraft (TC-JDP) entered THY fleet, pantry information amended
01	JDO Certified Limits "WeightVariant-01" added.
01	JDO Fuel Effect (cont.0.8) added.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 2
Cabin Configuration(s) ALL	A / C TYPE A330-243F	Carrier TK

2. BASIC INDEX AND MAC FORMULA

2.1. Examples and definitions

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

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

- 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 = 33.156 meters from zero
- K (Constant) = 100
- C (Constant) = 2500

2.3. MAC Information

- Length of MAC = 7.27 meters
- LEMAC at = 31.3380 meters/ from zero

2.4. Stabilizer Trim Setting

MAC Range	STAB Range	
15	9	Up
38	1.5	Up
40	1.5	Up

Linear variation between 15% MAC and 38% MAC

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 3
Cabin Configuration(s) ALL	A / C TYPE A330-203	Carrier TK

3. AIRCRAFT REGISTRATIONS, WEIGHT AND INDEX DETAILS

DRY OPERATING WEIGHT

X

BASIC WEIGHT

X

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

A/C BASIC & DRY OPERATING WEIGHT & INDEX TABLE

A/C Type	MSN	A/C Reg.	Basic*(Crew 0/0)		How to calculate DOW/DOI? Basic Weight/Index (Full potable water) + 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				
A330-243F	1004	TC-JDO	109962	72.5				
A330-243F	1092	TC-JDP	109422	72.1				
A330-243F	1344	TC-JDR	109594	71.8				
A330-243F	1418	TC-JDS	109648	74.8				
A330-243F	1442	TC-JCI	109517	72.8				
A330-243F	1164	TC-JOO	110020	73.6				
A330-243F	1550	TC-JOU	110191	72.7				
A330-243F	1722	TC-JOV	109469	72.6				
A330-243F	1750	TC-JOY	109581	72.7				
A330-243F	1768	TC-JOZ	109485	72.0				
					A/C Reg & WV TYPE	A/C Limitations (Kg)		
					TC-JDO,-JDP,-JDR,-JDS,-JCI,-JOV,-JOY,-JOZ	ALL WEIGHT VARIANT 00 (RANGE MODE)	MTAXI	233900
							MTOW	233000
							MLDW	182000
							MZFW	173000
					TC-JOO,-JOU	ALL WEIGHT VARIANT 01 (PAYLOAD MODE)	MTAXI	227900
							MTOW	227000
							MLDW	187000
							MZFW	178000
					TC-JOO TC-JOU	WEIGHT VARIANT 02 (DYNAMIC MODE)	MTAXI	233900
							MTOW	233000
							MLDW	187000
							MZFW	Linear variation
Min Weight		A/C CG		Design Weight(Kg)				
Minimum Weight for flight and landing		<25 ≥25		109000 116000				

COCKPIT CREW TOTAL EFFECT / Cockpit Crew No / Locations		
Cockpit Crew No/Locations	WEIGHT	INDEX
2 COCKPIT CREW	170	-1.9
3 COCKPIT CREW	255	-2.8
4 COCKPIT CREW	340	-3.7
LOADMASTER TOTAL EFFECT / Loadmaster No / Locations		
Loadmaster No/Locations	WEIGHT	INDEX
1 (Loadmaster or Technician)	85	-0.8
2 (Loadmaster or Technician)	170	-1.6
3 (Loadmaster or Technician)	255	-2.3
4 (Loadmaster or Technician)	340	-3.1
PANTRY EFFECT / Pantry Code / Class, Config, App.		
Pantry Code / Class, Config, App.	WEIGHT	INDEX
N (International Freighter Flight / Short-Mid Range) <i>Galley@13.403m.(H.Arm)</i>	60	-0.5
A (ER Freighter Flight / Long Range)	85	-0.7

INFLUENCE OF POTABLE WATER ON DOW/DOI		
BW/BI value in the above table already includes potable water with FULL tank (100 kg / -0.4 Index) . If potable water tanks are different, adjust DOW & DOI in proper ratios.		
%75 POTABLE WATER	%50 POTABLE WATER	%25 POTABLE WATER
Subtract 25 KG / Add 0.1 Index	Subtract 50 KG / Add 0.2 Index	Subtract 75 KG / Add 0.3 Index
*Basic Wt/Index includes: Cockpit & A/C Documents , Potable Water Tanks Full, Skylife Magazine, Tare empty Weight of all Trolleys & Galley Equipments (hotcup, hotjug , etc). If some items or Equipments are NOT carried make necessary adjustments Dry Operating Weight/Index does NOT include Toolkit Box, Technician KIT, Loadmaster KIT. Check if they are carried, make necessary adjustments. Toolkit box and Technician KIT are loaded in Cargo comp5. Loadmaster KIT carried in pax.compt..		
TOOLKIT BOX = 58,3kg / 0,4iu — Technician Kit = 35kg / 0,2 iu — Loadmaster KIT = 10kg / -0.1iu		
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 Longhaul 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 calculated in consideration of Crew Baggage loading position.		
Spare Wheel&Tire	Weight	Index
Nose Gear(NG) (Qty1) in Compt.5	98	0.7
Main Gear(MG) (Qty1) in Compt.5	240	1.6
TOTAL in Bulk Compt.5 :	338	2.3
Dry Operating Weight/Index does not include nose/main gear spare wheel&tire.Check if they are carried in cargo compartment. It should be shown as "Load in compartments" (distribution) on loadsheet as "Equipment in compartment"		

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 4
Cabin Configuration(s) ALL	A/ C TYPE A330-243F	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	Zero Fuel	Design Landing
<i>WEIGHT VARIANT 00:</i>						
TC-JDO	1004	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
TC-JDP	1092	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
TC-JDR	1344	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
TC-JDS	1418	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
TC-JCI	1442	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
TC-JOV	1722	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
TC-JOY	1750	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
TC-JOZ	1768	233 900 kg	N/A	233 000 kg	173 000 kg	182 000 kg
<i>WEIGHT VARIANT 01:</i>						
TC-JDO	1004	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
TC-JDP	1092	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
TC-JDR	1344	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
TC-JDS	1418	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
TC-JCI	1442	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
TC-JOV	1722	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
TC-JOY	1750	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
TC-JOZ	1768	227 900 kg	N/A	227 000 kg	178 000 kg	187 000 kg
<i>WEIGHT VARIANT 02: Dynamic Payload</i>						
TC-JOO	1164	233 900 kg	N/A	233 000 kg	Function of ATOW**	187 000 kg
TC-JOU	1550	233 900 kg	N/A	233 000 kg		187 000 kg

** The MZFW is a function of the Actual Take-Off Weight (ATOW) :

– For ATOW ≤ 227 000 kg, MZFW = 178 000 kg

– For ATOW > 227 000 kg, MZFW (kg) = 178 000 – (ATOW (kg) – 227 000) / 1.2

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 .

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) TC-JDO	A / C TYPE A330-243F	Carrier TK

4.2. CG - Limits for Loadsheet Purpose

Special condition if applicable			Special condition if applicable		
TAKE-OFF FWD			TAKE-OFF AFT		
Specify applicability	Weight	Index Value	Specify applicability	Weight	Index Value
TC-JDO	116000	74.51	TC-JDO	116000	113.86
	193200	52.06		165000	154.08
	193525	52.25		179000	166.03
	233000	86.57		233000	175.26
TC-JDO Weight Variant01	116000	74.51	TC-JDO Weight Variant01	116000	113.86
	193200	52.06		165000	154.08
	193525	52.25		179000	166.03
	227000	81.35		227000	174.62

Special condition if applicable			Special condition if applicable		
ZERO FUEL FWD			ZERO FUEL AFT		
Specify applicability	Weight	Index Value	Specify applicability	Weight	Index Value
TC-JDO	116000	85.61	TC-JDO	116000	142.19
	135880	79.83		162986	162.75
	137440	79.27		167160	163.49
	139000	74.58		168620	164.27
	167589	66.26		173000	165.05
	173000	64.65			
TC-JDO Weight Variant01	116000	85.61	TC-JDO Weight Variant01	116000	142.19
	135880	79.83		162986	162.75
	137440	79.27		167160	163.49
	139000	74.58		168620	164.27
	167589	66.26		173000	165.05
	176440	63.70		173320	165.03
178000	64.88	178000	165.86		

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) TC-JDP,-JDR,-JDS,-JCI,-JOV,-JOY,-JOZ	A / C TYPE A330-243F	Carrier TK

4.2. CG - Limits for Loadsheet Purpose

Special condition if applicable		
TAKE-OFF FWD		
Specify applicability	Weight	Index Value
Weight Variant0	116000	74.47
	193200	52.02
	195153	53.58
	233000	86.57
Weight Variant01	116000	74.47
	193200	52.02
	195153	53.58
	227000	81.34

Special condition if applicable		
TAKE-OFF AFT		
Specify applicability	Weight	Index Value
Weight Variant0	116000	113.45
	165000	154.02
	179000	166.61
	233000	175.26
Weight Variant01	116000	113.45
	165000	154.02
	179000	165.68
	227000	174.18

Special condition if applicable		
ZERO FUEL FWD		
Specify applicability	Weight	Index Value
Weight Variant0	116000	85.61
	135880	79.82
	137440	79.26
	139000	74.57
	167529	66.27
	173000	64.64
Weight Variant01	116000	86.61
	135880	79.82
	137440	79.26
	139000	74.57
	167529	66.27
	176440	63.69
178000	64.88	

Special condition if applicable		
ZERO FUEL AFT		
Specify applicability	Weight	Index Value
Weight Variant0	116000	142.18
	162931	162.66
	171760	164.22
	173000	164.86
Weight Variant01	116000	142.18
	162931	162.66
	171760	164.22
	173320	165.03
	178000	165.86

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) TC-JOO,TC-JOU	A / C TYPE A330-243F	Carrier TK

4.2. CG - Limits for Loadsheet Purpose

Special condition if applicable			Special condition if applicable		
TAKE-OFF FWD			TAKE-OFF AFT		
Specify applicability	Weight	Index Value	Specify applicability	Weight	Index Value
Weight Variant02	116000	+74.44	Weight Variant02	116000	+94.50
	118760	+73.64		116001	+112.78
	121760	+72.77		165000	+153.91
	193200	+51.99		179000	+165.66
	195262	+53.65		227000	+174.40
	227000	+79.29		233000	+175.24
	233000	+83.87			
Special condition if applicable			Special condition if applicable		
ZERO FUEL FWD			ZERO FUEL AFT		
Specify applicability	Weight	Index Value	Specify applicability	Weight	Index Value
Weight Variant02	109000	+87.70	Weight Variant02	109000	+91.63
	116000	+85.67		116000	+91.63
	135840	+79.90		116000	+142.23
	137080	+79.42		162658	+162.59
	138320	+74.75		171800	+164.20
	163289	+67.49		173000	+165.03
	173000	+64.68		173040	+165.03
	175520	+63.94		178000	+165.90
	176760	+63.70			
	178000	+64.69			

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) Empty Flights	A / C TYPE A330-243F	Carrier TK

4.2. CG - Limits for Loadsheet Purpose –Empty Flights

Special condition if applicable			Special condition if applicable		
TAKE-OFF FWD			TAKE-OFF AFT		
Specify applicability	Weight	Index Value	Specify applicability	Weight	Index Value
	116.000	68.25		233.000	180.50
	193.200	45.50		227.000	179.50
	227.000	72.90		179.000	171.10
	233.000	77.50		116.000	118.20

Special condition if applicable			Special condition if applicable		
ZERO FUEL FWD			ZERO FUEL AFT		
Specify applicability	Weight	Index Value	Specify applicability	Weight	Index Value
	109.000	69.95		178.000	172.50
	111.750	69.10		173.000	171.70
	114.500	74.95		165.000	170.20
	116.000	74.30		116.000	148.80
	173.000	58.30		116.000	98.00
	176.000	57.20		109.000	98.00
	178.000	58.45		109.000	68.75

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s) TC-JDO	A / C TYPE A330-243F	Carrier TK

5. EFFECT OF FUEL

5.1 EFFECT OF FUEL (FUEL DENSITY : 0.80 KG/L)

Fuel Weight (KG)	Index Value	Fuel Weight (KG)	Index Value
2000	-2.07	55500	+11.43
4000	-4.24	58000	+10.87
6000	-6.35	60500	+10.67
8000	-8.42	63000	+10.88
10000	-7.72	65500	+11.46
12000	-3.80	68000	+12.50
14000	+0.92	70000	+13.63
16000	+2.07	72000	+15.10
18000	+0.11	74000	+16.98
20000	-1.83	76000	+19.16
22000	-3.74	78000	+19.29
24000	-5.61	80000	+18.09
24500	-0.86	82000	+16.66
25000	+4.28	84000	+15.08
25500	+9.36	86000	+13.42
26000	+14.64	88000	+11.74
26500	+19.95	90000	+10.05
27000	+25.22	92000	+8.36
27500	+30.68	94000	+6.70
28000	+31.81	96000	+5.06
30500	+29.54	98000	+3.41
33000	+27.35	100000	+1.78
35500	+25.19	102000	+0.12
38000	+23.06	104000	-1.59
40500	+21.02	106000	-3.41
43000	+19.02	108000	-5.42
45500	+17.09	110000	-7.78
48000	+15.30	FULL	-9.47
50500	+13.66		
53000	+12.37		

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 = **200 kg/hour**

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s) JDP,-JDR,-JDS,-JCI,-JOV,-JOY,-JOZ,- JOO,-JOU	A / C TYPE A330-243F	Carrier TK

5. EFFECT OF FUEL

5.1 EFFECT OF FUEL (FUEL DENSITY : 0.80 KG/L)

Fuel Weight (KG)	Index Value	Fuel Weight (KG)	Index Value
2000	-2.07	55500	+11.43
4000	-4.24	58000	+10.87
6000	-6.35	60500	+10.67
8000	-8.42	63000	+10.88
10000	-7.72	65500	+11.46
12000	-3.80	68000	+12.50
14000	+0.92	70000	+13.63
16000	+2.07	72000	+15.10
18000	+0.11	74000	+16.98
20000	-1.83	76000	+19.16
22000	-3.74	78000	+35.21
24000	-5.61	FULL	+35.49
24500	-0.86		
25000	+4.28		
25500	+9.36		
26000	+14.64		
26500	+19.95		
27000	+25.22		
27500	+30.68		
28000	+31.81		
30500	+29.54		
33000	+27.35		
35500	+25.19		
38000	+23.06		
40500	+21.02		
43000	+19.02		
45500	+17.09		
48000	+15.30		
50500	+13.66		
53000	+12.37		

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 = **200 kg/hour**

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 7
Cabin Configuration(s) ALL	A / C TYPE A330-243F	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
1.&2.Seats	-	24.2836	-	0.00971
3.seats	-	23.3556	-	0.00934
4.seats	-	23.3056	-	0.00930

6.2. Number of cabin crew seats and location

Loadmaster seat locations	Max. No. of seats	Length of arm from reference station		Index influence	
		+/-	meter(s)	+/-	per 1 kg
FWD of Safety Barrier Wall	4	-	19.641	-	0.00786

6.3. Crew Distribution / Crew Code

Crew Code	Cockpit Crew Total No	Cabin Crew Total No	Number of Cabin Crew at Location			Location of Crew Baggage
			FWD	MID	AFT	
2/1	2	1	1	-	-	BULK CARGO COMPT. 51
2/2	2	2	2	-	-	
2/3	2	3	3	-	-	
3/1	3	1	1	-	-	
3/2	3	2	2	-	-	
3/3	3	3	3	-	-	

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 8
Cabin Configuration(s) ALL	A / C TYPE A330-243F	Carrier TK

7. GALLEY AND PANTRY

7.1. Galleys

Galley locations	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
G2	-	19.752	-	0.0079

7.2 Pantry Weight / Pantry Code

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

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 9
Cabin Configuration(s) ALL	A / C TYPE A330-243F	Carrier TK

8. PASSENGER CABIN

8.1 Passenger Seats

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

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	

8.2 Class/Cabin Sections

Class/Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg

NOT APPLICABLE

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 10
	A / C TYPE A330-243F	Carrier TK

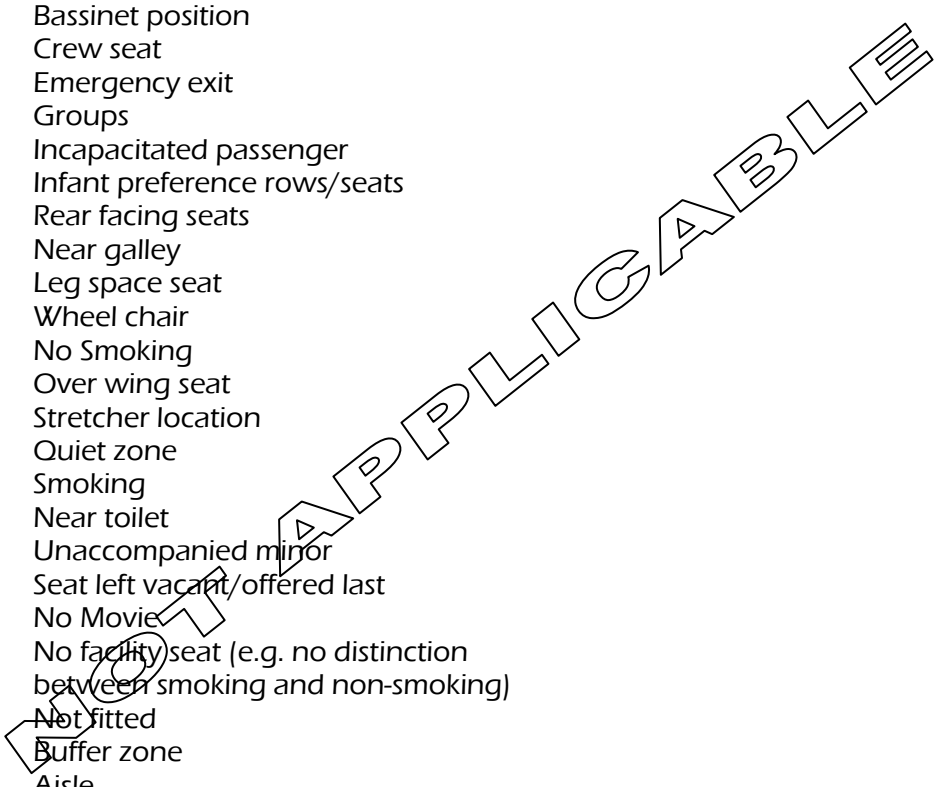
8.3 Seating Layout

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 Praticice 1711.



EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 12
Cabin Configuration(s)	A / C TYPE	Carrier
ALL	A330-243F	TK

9. DETAILS FOR COMPARTMENT TRIM

For JDO only

COMPARTMENT		MAXIMUM CAPACITY		Index influence	
NUMBER	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME* (m ³)	+/-	per 1 kg
1	FWD CARGO HOLD	1+2 MAX.CUM.		-	0.00609
2	FWD CARGO HOLD	18869		-	0.00379
3	AFT CARGO HOLD	3+4 MAX.CUM.		+	0.00243
4	AFT CARGO HOLD	16828		+	0.00462
5	REAR / BULK CargoHold	1881		+	0.00649

For TC-JDP, -JDR, -JDS, -JCI, -JOO, -JOU

COMPARTMENT		MAXIMUM CAPACITY		Index influence	
NUMBER	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME* (m ³)	+/-	per 1 kg
1	FWD CARGO HOLD	1+2 MAX.CUM.		-	0.00609
2	FWD CARGO HOLD	18869		-	0.00379
3	AFT CARGO HOLD	3+4 MAX.CUM.		+	0.00243
4	AFT CARGO HOLD	15241		+	0.00445
5	REAR / BULK CargoHold	3468		+	0.00630

Remarks:

* : Volume information is given only for Bulk compartments .

9.1 Combined Load Limitations : N/A

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 13
Cabin Configuration(s)	A / C TYPE A330-243F	Carrier TK
ALL		

10. DETAILS FOR BAY / SECTION TRIM

TC-JDO

BAY / SECTION	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME (M ³)	Index influence	
				+/-	per 1 kg
51	Bulk	264		+	0.00571
53	Bulk	1617		+	0.00662

TC-JDP, -JDR, -JDS, -JCI, -JOO, -JOU

BAY / SECTION	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME (M ³)	Index influence	
				+/-	per 1 kg
51	Bulk	339		+	0.00571
52	Bulk	1413		+	0.00592
53	Bulk	1716		+	0.00674

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

I. CONTAINER

Lower Deck	Maximum capacity		
Bay/Section	Gross Weight	Volume *	Index value per 1 kg
Containers			
11	3174		-0.00709
12	3174		-0.00638
13	3174		-0.00575
14	3174		-0.00512
21	3174		-0.00441
22	3174		-0.00378
23	3174		-0.00315
31	3174		+0.00178
32	3174		+0.00241
33	3174		+0.00305
41	3174		+0.00384
42	3174		+0.00447
43	3174		+0.00510
44 (only for TC-JDO, JOO)	1587		+0.00573

EDP-SYSTEM
SEMI-PERMANENT DATA

AIRCRAFT DATA

C
Sheet 13

Cabin Configuration(s)	A / C TYPE	Carrier
ALL	A330-243F	TK

II . PALLET 88"x125"

Lower Deck	Maximum capacity		
Bay/Section	Gross Weight	Volume *	Index value per 1 kg
PALLET 88"x125"			
11	3174		-0.00709
12P	4626		-0.00624
13P	4626		-0.00526
21P	4626		-0.00427
22P	4626		-0.00329
31P	4626		+0.00192
32P	4626		+0.00291
41P	4626		+0.00398
42P	4626		+0.00488
44 (only for TC-JDO,JOO)	1587		+0.00573

III . PALLET 96"x125"

Lower Deck	Maximum capacity		
Bay/Section	Gross Weight	Volume *	Index value per 1 kg
PALLET 96"x125"			
11	3174		-0.00709
12P	5103		-0.00628
13P	5103		-0.00530
21P	5103		-0.00431
22P	5103		-0.00333
31P	5103		+0.00196
32P	5103		+0.00295
41P	5103		+0.00394
42P	5103		+0.00496
44 (only for TC-JDO,JOO)	1587		+0.00573

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 13
Cabin Configuration(s)	A / C TYPE A330-243F	Carrier TK
ALL		

10. DETAILS FOR BAY / SECTION TRIM

Main Deck	Maximum capacity		
Bay/Section 88"x125" Single Row	Gross Weight	Volume *	Index value per 1 kg
A	2826		-0.00696
B	3123		-0.00605
C	3391		-0.00515
D	3391		-0.00424
E	4687		-0.00334
F	6033		-0.00244
G	6033		-0.00153
H	6033		-0.00063
J	6033		0.00028
K	5945		0.00118
L	4037		0.00209
M	4037		0.00299
P	3725		0.00389
R	3714		0.00496
S	3714		0.00595
T	3059		0.00693
U	2541		0.00792

Main Deck	Maximum capacity		
Bay/Section 96"x125" Single Row	Gross Weight	Volume *	Index value per 1 kg
AA	3080		-0.00692
BB	3428		-0.00593
CC	3696		-0.00495
DD	3696		-0.00396
EE	5670		-0.00297
FF	5670		-0.00199
GG	5670		-0.00100
HH	5670		-0.00002
JJ	5670		0.00097
KK	4822		0.00196
LL	4400		0.00295
MM	4091		0.00393
PP	4048		0.00492
RR	4048		0.00591
SS	3389		0.00689
TT	2809		0.00788

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 13
Cabin Configuration(s)	A / C TYPE A330-243F	Carrier TK
ALL		

Main Deck	Maximum capacity		
Bay/Section 125" x 96" Single Row	Gross Weight	Volume *	Index value per 1 kg
AB	3429		-0.00677
BC	3941		-0.00549
CE	4001		-0.00421
EF	6804		-0.00293
FH	6804		-0.00165
HJ	6804		-0.00037
JK	6804		0.00091
KM	4868		0.00219
MP	4445		0.00348

* Volume information required for bulk compartments only.

Main Deck	Maximum capacity		
Bay/Section 125" x 88" Side By side	Gross Weight	Volume *	Index value per 1 kg
AB	4000		-0.00677
BC	4716		-0.00549
CE	4800		-0.00421
EF	7650		-0.00293
FH	8642		-0.00165
HJ	8642		-0.00037
JK	8642		0.00091
KM	5928		0.00219
MP	5512		0.00348
PR	5258		0.00477

* Volume information required for bulk compartments only.

Main Deck	Maximum capacity		
Bay/Section 125" x 96" Side By side	Gross Weight	Volume *	Index value per 1 kg
AB	4000		-0.00677
BC	4716		-0.00549
CE	4800		-0.00421
EF	7650		-0.00293
FH	8642		-0.00165
HJ	8642		-0.00037
JK	8642		0.00091
KM	5928		0.00219
MP	5512		0.00348

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 13
Cabin Configuration(s)	A / C TYPE A330-243F	Carrier TK
ALL		

10. DETAILS FOR BAY/SECTION TRIM

16ft Pallets

Main Deck	Maximum capacity		
Bay/Section 16ft PALLETS	Gross Weight	Volume *	Index value per 1 kg
CFR	7729		-0.00385
FJR	10668		-0.00141
JLR	10668		0.00060
LPR	6236		0.00260

* Volume information required for bulk compartments only.

Note 1: Attach a plan for each compartment configuration.

Note 2: Use additional sheets as required.

10.1. DETAILS FOR BAY/SECTION TRIM

20ft. Pallets

Main Deck	Maximum capacity		
Bay/Section 20ft PALLETS	Gross Weight	Volume *	Index value per 1 kg
CFG	10602		-0.00363
FJG	11340		-0.00117
JLG	11340		0.00130

* Volume information required for bulk compartments only.

Note 1: Attach a plan for each compartment configuration.

Note 2: Use additional sheets as required.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 14
	A / C TYPE A330-243F	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 A330-243F	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
116000	110.00
173000	125.00
227000	133.00
233000	134.00

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	D Sheet 2
	A / C TYPE A330-243F	Carrier TK

2. UNIT LOAD DEVICES DETAILS

Type Code	Tare weight	Maximum Capacity		Remarks
		Gross Weight	VOLUME (M³)	
AVE	90	1587	4.41	60.4x61.5 in.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 (Q2)

NOTES :- GROSS WEIGHT includes tare weight of pallets, containers , nets and igloo
 - GROSS WEIGHT is valid for only the aircraft type A330-203 .

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 A330-243F	Carrier TK

3. SPECIAL LOAD

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