

A340-300
IATA AHM560 DATA
LIST OF EFFECTIVE PAGES
REV 87

23-Jul-2018

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
01.00	-	-	-	-	Contents
02.00	06Apr11	-	-	-	General Info
02.01	06Apr11	-	-	A1,A2	Contact Address.
02.02	06Apr11	-	-	B1,B2	Passenger & baggage weights/ crew weights
02.03	06Apr11	-	-	-	DOW and DOI specifications / Special Information
02.04	06Apr11	-	-	-	Load&Trim Sheet Information
08.00	30Sep16	84	-	-	List Of Effective Pages / Revision Highlights
08.01	04Mar08	34	-	C2,C3	Basic Index and MAC formula/ Stabilizer Trim Settings/A/C Registration., Wt Index Details
08.02	30 Sep16	84	-	-	A/C Basic & Dry Operating Weight & Index Table
08.02B	03Apr12	67	-	-	Pantry Codes
08.03	04Aug17	85	-	C4	Aircraft Weight Limitations
08.04	01Jul16	69	-	C5	CG Limits for Loadsheet Purpose – JDK, JDM, JDN, JIH, JII
08.04B	29Jul16	82	-	C5	CG Limits for Loadsheet Purpose – HAJJ Configuration
08.05,A,B	02Aug12	71	-	C6	Effect of Fuel (A340-311& 312)
08.05C,D,E	02Aug12	71	-	C6	Effect of Fuel (A340-313)
08.06	12Oct17	86	-	C7,C8	Cockpit Index, Cabin Crew Seats, Crew Distr.
08.06A	07Nov08	39	-		Galley/Pantry Weight&codes
08.07	29Jul16	82	-	C9	Passenger Seats Average Station (Cabin Areas)
08.07A	29Jul16	82	-	C9	Passenger Seats Average Station (Cabin Areas)
08.08	04Mar08	39	-	C10	Seating Layout Code Letters
08.08B	26Jan15	77	-	C11	Seat Plan Layout – JDM,JDN,JIH,JII
08.08C	29Jul16	82	-	C11	Seat Plan Layout – HAJJ Configuration
08.09	30Dec09	47	-	C12	Details For Compartment Trim
08.10	03Apr12	67	-	C13	Details For Bay/Section Trim
08.10A	06Sep16	83	-	C13	Details For Bay/Section Trim
08.11	04Mar08	34	-	C14,D1 D2,D3	BALLAST,CG LIMITS / Ideal Trim Line, Unit Load Devices / Special Load
08.12	09Nov2014	-	-	-	Load&Trim Sheet A340-313 (JDN, JIH, JII) 270 seat
08.12A	05Nov2014	-	-	-	Load&Trim Sheet A340-311 (JDL, JDM) 270 seat
08.12B	29May2012	-	-	-	Load&Trim Sheet A340-312 (JDK) 270 seat
08.12C	20Oct2011	-	-	-	Load&Trim Sheet A340-311 (HAJJ Configuration) 331 seat
08.12D	10Sep2014	-	-	-	Load&Trim Sheet A340-313 (HAJJ Configuration) 331 seat

REV NO	REVISION DESCRIPTION
87	TC-JIH, JDM, JDN Seat Config and seat index changed. (Hajj configuration)
86	New cabin location added.
85	LMC values are updated.
84	TC-JII BW/BI changed due to weighing
83	Remark added for Cargo position 31P
82	TC-JDN Seat Config changed to 354Y seat HAJJ/UMRE Config. Several pages revised accordingly
81	TC-JDM Seat Config changed to 354Y seat HAJJ/UMRE Config. Several pages revised accordingly
80	TC-JIH Seat Config changed to 354Y seat HAJJ/UMRE Config. Several pages revised accordingly
79	TC-JDL left THY fleet
78	TC-JDM BW/BI changed due to weighing
77	TC-JDN seatplan modified by addition of seat row 13
76	TC-JDM,JIH,JII seatplan modified by addition of seat row 13
75	TC-JDJ left THY fleet
75	TC-JDN 331 seat configuration is added to AHM560 to be used when instructed
74	TC-JIH BW/BI changed due to weighing
73	LMC values are updated
72	TC-JII BW/BI changed due to weighing
71	Separate fuel table for influence of trim tank is now available
70	TC-JDM and TC-JDN BW/BI changed due to weighing
69	JDL: Converted from 331 pax to 270 pax
68	JIK: Converted from 342 pax to 278 pax
67	Pantry codes are amended. New design of BW/BI page. New design of Details For Bay/Section Trim page. TC-JIJ re-delivered.
66	BW/BI of JII is changed due to weighing
65	JDL: Converted from 270 pax to 331 pax and JIK: Converted from 278 pax to 342 pax
64	JDL: Converted from 331 pax to 270 pax
63	JIJ & JIK: Converted from 342 pax to 278 pax
62	JDL: Converted from 270 pax to 331 pax (Hajj configuration)
61	JIK: Converted from 278 pax to 342 pax (Hajj configuration)
60	JDJ & JDK : BW\ BI changed due to modifications
59	Pantry Standard W/I table (Catering) : New stations are added
59	Weight of toolbox and taxi fuel weights are amended
59	TC-JDK : BW\ BI changed due to weighing.
58	JIJ: Seat config changed to 342Y seat again to HAJJ/UMRE Config. Several pages revised accordingly.
57	JIK : Seat Config changed from 342Y to 278Y(26C/252Y) seat again .Several pages revised accordingly.
56	TC-JDJ : BW\ BI changed due to weighing.
56	JIJ : Seat Config changed from 342Y to 278Y(26C/252Y) seat again .Several pages revised accordingly.
56	Pantry Std W/I table : Addition of new stations
55	Pantry Std W/I table : Addition of new stations
54	JIJ & JIK: Seat Config changed to 342Y seat again to HAJJ/UMRE Config. Several pages revised accordingly.
53	“FWD”, “MID”, “AFT” average Cabin Crew Seats Locations can be used for simplicity. Cabin Crew Total Effect Index Table is changed on pages 08.02 & 08.02A
53	Pantry codes are amended.
53	JIJ : Seat Config changed to 278 seat again from HAJJ Config. Several pages revised accordingly.
53	“Appendix- Fuel Index Table per Tank” is added
52	JIK : Seat Config changed to 278 seat again from HAJJ Config. Several pages revised accordingly.
51	For JIJ & JIK : Seat Config changed to 342 seat HAJJ Config. Several pages revised accordingly.
51	Pantry codes are amended.
51	For JIJ & JIK : Seat Config changed to 342 seat HAJJ Config. Several pages revised accordingly.
51	Pantry codes are amended.
50	For JDK : Increase MTWO to 260T, MZFW to 178T and MLW to 188T

49	Seat configuration of TC-JJ & JIK is amended. Row numbers and letters changed only.
49	BW/BI of JDL is amended.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 2
Cabin Configuration(s) ALL	A / C TYPE A340-300	Carrier TK

2. BASIC INDEX AND MAC FORMULA

2.1. Examples and definitions

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

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

- 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 = **36.3495** 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	
18	7	Nose up
22	7	Nose up
38	1	Nose up
42	1	Nose up

Linear variation between 22% MAC and 38% MAC

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 3
Cabin Configuration(s) ALL	A / C TYPE A340-300	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.

A/C BASIC & DRY OPERATING WEIGHT & INDEX TABLE

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																					
A340-311	115	TC-JDM	270	131250	120.3																					
			354	129300	119.1																					
A340-313	180	TC-JDN	270	132853	123.0																					
			354	131093	123.3																					
A340-313	270	TC-JIH	270	132384	121.5																					
			354	130727	122.4																					
A340-313	331	TC-JII	270	132091	121.1																					
<table border="1"> <thead> <tr> <th>A/C Reg</th> <th colspan="2">A/C Limitations (Kg)</th> </tr> </thead> <tbody> <tr> <td rowspan="4">JDM</td> <td>MTAXI</td> <td>257900</td> </tr> <tr> <td>MTOW</td> <td>257000</td> </tr> <tr> <td>MLDW</td> <td>186000</td> </tr> <tr> <td>MZFW</td> <td>174000</td> </tr> <tr> <td rowspan="4">JDN/JIH/JII</td> <td>MTAXI</td> <td>275900</td> </tr> <tr> <td>MTOW</td> <td>275000</td> </tr> <tr> <td>MLDW</td> <td>192000</td> </tr> <tr> <td>MZFW</td> <td>181000</td> </tr> </tbody> </table>							A/C Reg	A/C Limitations (Kg)		JDM	MTAXI	257900	MTOW	257000	MLDW	186000	MZFW	174000	JDN/JIH/JII	MTAXI	275900	MTOW	275000	MLDW	192000	MZFW
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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	-0.9
9 CABIN CREW (3 Fwd +4 Mid +2 Aft)	675	-1.6
10 CABIN CREW (3 Fwd +5 Mid +2 Aft)	750	-1.8
11 CABIN CREW (3 Fwd +5 Mid +3 Aft)	825	-1.2
12 CABIN CREW (4 Fwd +5 Mid +3 Aft)	900	-2.0
13 CABIN CREW (4 Fwd +6 Mid +3 Aft)	975	-2.2
14 CABIN CREW (4 Fwd +6 Mid +4 Aft)	1050	-1.5
PANTRY EFFECT / PANTRY (CATERING) STANDARD W/I TABLE IS ON PAGE 08.02B		

BW/BI value in the above table already includes potable water with **FULL tank (1050 kg/5.6 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 262 KG / Subtract 1.4 Index	Subtract 525 KG / Subtract 2.8 Index	Subtract 787 KG / Subtract 4.2 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.Check if they are carried in cargo compartment . It should be shown as **"Load in compartments"** (distribution) on loadsheet as "Equipment in compartment".
TOOLKIT BOX = 77 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 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 shown as 'LOAD IN COMPARTMENT - DISTRIBUTION' in Loadsheets.

PANTRY STANDART WEIGHT/INDEX TABLE (CATERING)

Pantry Code	Galley weight			TOTAL		Destination / Departure
	FWD	MID	AFT	WEIGHT	INDEX	
A	460	805	920	2185	0.6	ER FLIGHTS
N	356	443	506	1305	-0.6	INTERNATIONAL FLIGHTS
D	165	93	184	442	-0.3	DOMESTIC FLIGHTS ONE WAY
G	222	199	444	865	1.1	DOMESTIC FLIGHTS RETURN PANTRY

REMARKS:

1- All weights are in kg.

* Refer to "DOW-DOI_Table-A340-300" 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.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 4
Cabin Configuration(s) ALL	A / C TYPE A340-300	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	Zero Fuel	Design Landing
TC-JDM	115	257 900 kg	N/A	257 000 kg	174 000* kg	186 000* kg
TC-JDN	180	275 900 kg	N/A	275 000 kg	181 000 kg	192 000 kg
TC-JIH	270	275 900 kg	N/A	275 000 kg	181 000 kg	192 000 kg
TC-JII	331	275 900 kg	N/A	275 000 kg	181 000 kg	192 000 kg

* : PLEASE NOTE THAT MAX DESIGN ZERO FUEL WEIGHT DECREASES LINEARLY TO 171700 WHEN AIRCRAFT CENTER OF GRAVITY IS LESS THAN %18 MAC.

* : PLEASE NOTE THAT MAX DESIGN LANDING WEIGHT DECREASES LINEARLY TO 183200 WHEN AIRCRAFT CENTER OF GRAVITY IS LESS THAN %31 MAC.

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 .

A340-300: 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 A340-300	Carrier TK

4.2. CG - Limits for Loadsheet Purpose

Special condition if applicable TAKE-OFF FWD		
Specify applicability	Weight	Index Value
TC-JII	123000	91.53
	235651	65.32
	241000	64.23
	275000	88.50
TC-JIH,- JDN	130000	91.54
	241000	65.72
	275000	89.8

Special condition if applicable TAKE-OFF AFT		
Specify applicability	Weight	Index Value
TC-JII	123000	132.85
	157900	165.13
	183000	177.54
	275000	187.03
TC-JIH,- JDN	130000	137.67
	157900	163.64
	183000	176.04
	275000	185.54

Special condition if applicable ZERO FUEL FWD		
Specify applicability	Weight	Index Value
TC-JII	123000	103.80
	139320	100.47
	140340	100.23
	141360	99.94
	142380	99.61
	143400	99.17
	146039	97.87
	152748	92.80
TC-JIH,-JDN	181000	86.23
	130000	103.72
	139180	101.84
	141830	101.08
	145300	99.36
	151754	94.51
	181000	87.7

Special condition if applicable ZERO FUEL AFT		
Specify applicability	Weight	Index Value
TC- JII	123000	147.87
	181000	176.55
TC-JIH,-JDN	181000	173.23
	130000	148.02

Special condition if applicable Landing FWD		
Specify applicability	Weight	Index Value
TC-JII	123000	91.53
	192000	75.48
TC-JIH,- JDN	130000	91.54
	192000	77.12

Special condition if applicable Landing AFT		
Specify applicability	Weight	Index Value
TC-JII	123000	132.85
	157900	165.13
	183000	177.54
	192000	178.47
TC-JIH,- JDN	130000	137.67
	157900	163.64
	183000	176.04
	192000	176.97

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) HAJJ CONFIGURATION	A / C TYPE A340-300	Carrier TK

4.2. CG - Limits for Loadsheet Purpose

HAJJ CONFIGURATION (354Y)

Special condition if applicable TAKE-OFF FWD		
Specify applicability	Weight	Index Value
TC-JDM	130000	91.54
	241000	65.72
	275000	89.80

Special condition if applicable TAKE-OFF AFT		
Specify applicability	Weight	Index Value
TC-JDM	130000	137.67
	157900	163.64
	183000	176.04
	275000	185.54

Special condition if applicable ZERO FUEL FWD		
Specify applicability	Weight	Index Value
TC-JDM	130000	103.72
	139180	101.84
	141830	101.08
	145300	99.36
	151754	94.51
	181000	87.70

Special condition if applicable ZERO FUEL AFT		
Specify applicability	Weight	Index Value
TC-JDM	130000	148.02
	181000	173.23

Special condition if applicable Landing FWD		
Specify applicability	Weight	Index Value
TC-JDM	130000	91.54
	186000	78.51

Special condition if applicable Landing AFT		
Specify applicability	Weight	Index Value
TC-JDM	130000	137.67
	157900	163.64
	183000	176.04
	186000	176.35

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s)	A / C TYPE A340-311 (TC-JDL,-JDM) A340-312 (TC-JDK)	Carrier TK

5. EFFECT OF FUEL

5.1 EFFECT OF FUEL - FUEL LOADING / STANDARD PROCEDURE

Fuel Wt. kg	Fuel Density (Kg/lt)						Fuel Wt. kg	Fuel Density (Kg/lt)					
	0.78	0.79	0.80	0.81	0.82	0.83		0.78	0.79	0.80	0.81	0.82	0.83
2000	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	61500	1.1	0.6	0.2	-0.3	-0.6	-1.0
4000	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	64000	1.9	1.3	0.7	0.2	-0.3	-0.8
6000	-6.4	-6.4	-6.4	-6.4	-6.4	-6.4	66500	3.2	2.4	1.7	1.0	0.4	-0.3
8000	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	69000	4.9	4.0	3.1	2.2	1.5	0.7
10000	-7.7	-7.7	-7.7	-7.7	-7.7	-7.7	71000	6.8	5.6	4.6	3.6	2.7	1.8
12000	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8	73000	8.9	7.7	6.5	5.3	4.2	3.3
14000	1.0	1.0	0.9	0.9	0.9	0.8	75000	10.0	9.9	8.7	7.4	6.2	5.0
16000	1.9	2.1	2.3	2.5	2.8	3.0	77000	9.6	9.6	9.6	9.4	8.4	7.2
18000	-0.1	0.1	0.3	0.6	0.8	1.0	79000	8.9	9.1	9.2	9.2	9.1	9.0
20000	-2.1	-1.8	-1.6	-1.4	-1.2	-1.0	81000	8.1	8.4	8.6	8.7	8.8	8.8
22000	-3.9	-3.7	-3.5	-3.3	-3.1	-2.9	83000	7.3	7.5	7.8	8.0	8.2	8.3
24000	-5.8	-5.6	-5.4	-5.2	-5.0	-4.7	85000	6.3	6.7	7.0	7.2	7.4	7.6
26000	-7.6	-7.4	-7.2	-7.0	-6.8	-6.6	87000	5.4	5.8	6.1	6.4	6.6	6.9
28000	-9.4	-9.2	-9.0	-8.8	-8.6	-8.4	89000	4.5	4.9	5.2	5.5	5.8	6.1
30000	-11.1	-10.9	-10.7	-10.5	-10.4	-10.2	91000	3.6	4.0	4.3	4.7	5.0	5.3
32000	-12.8	-12.6	-12.5	-12.3	-12.1	-11.9	93000	2.8	3.1	3.5	3.8	4.1	4.4
34000	-14.5	-14.3	-14.2	-14.0	-13.8	-13.6	95000	1.9	2.3	2.7	3.0	3.3	3.6
36000	-16.1	-16.0	-15.8	-15.6	-15.5	-15.3	97000	1.1	1.5	1.8	2.2	2.5	2.8
36500	-16.6	-16.4	-16.2	-16.1	-15.9	-15.7	99000	0.2	0.7	1.0	1.4	1.8	2.1
37000	-11.0	-10.9	-10.7	-10.5	-10.4	-10.2	101000	-0.7	-0.2	0.2	0.6	1.0	1.3
37500	-5.4	-5.3	-5.1	-4.9	-4.8	-4.6	103000	-1.6	-1.1	-0.6	-0.2	0.2	0.6
38000	0.2	0.3	0.5	0.7	0.9	1.0	105000	-2.8	-2.1	-1.5	-1.0	-0.6	-0.2
38500	5.8	6.0	6.2	6.3	6.5	6.7	107000	-4.2	-3.3	-2.5	-1.9	-1.4	-0.9
39000	10.3	10.5	10.7	10.8	11.0	11.2	109000		-4.8	-3.8	-3.0	-2.3	-1.8
41500	8.4	8.5	8.6	8.8	9.0	9.1	111000			-5.4	-4.3	-3.4	-2.8
44000	6.4	6.6	6.7	6.9	7.0	7.1	113000				-6.0	-4.9	-3.9
46500	4.7	4.8	4.9	5.0	5.1	5.2	115000						-5.5
49000	3.1	3.1	3.2	3.3	3.4	3.5							
51500	2.0	1.9	1.9	1.9	1.9	1.8							
54000	1.2	1.0	0.9	0.7	0.6	0.6							
56500	0.8	0.5	0.3	0.1	-0.1	-0.3							
59000	0.8	0.4	0.0	-0.3	-0.6	-0.8							
							FULL	-5.9	-5.9	-6.0	-6.1	-6.2	-6.2

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 08.12A & 08.12B, with the supervision of the responsible technical staff and commander (flight crew).

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s)	A / C TYPE A340-311 (TC-JDL,-JDM) A340-312 (TC-JDK)	Carrier TK

5.2 EFFECT OF FUEL Inner+Outer +Center Tanks & Trim tank seperately

If DCS database & loadcontroller input command allows loadcontroller to input Inner+Outer+Center 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 + Center tanks should be read and corresponding fuel index should be read from "Inner + Outer + Center 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.

Inner + Outer + Center 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	50000	-25.0	-25.4	-25.5	-25.5
4000	-4.2	-4.2	-4.2	-4.2	55000	-25.5	-26.4	-26.8	-27.5
6000	-6.3	-6.3	-6.4	-6.4	60000	-24.4	-25.9	-26.6	-27.9
8000	-8.4	-8.4	-8.4	-8.4	65000	-21.4	-23.7	-24.8	-26.9
9000	-9.4	-9.4	-9.4	-9.4	69740	-16.4	-19.6	-21.3	-24.3
10000	-7.7	-7.7	-7.7	-7.7	72034	-18.7	-17.0	-18.9	-22.5
11000	-5.8	-5.8	-5.8	-5.8	73410	-20.3	-18.3	-17.3	-21.1
12000	-3.7	-3.7	-3.8	-3.8	76164	-23.7	-21.4	-20.1	-17.9
14000	1.1	1.0	0.9	0.8	80000	-28.8	-26.3	-24.8	-21.9
14606	2.8	2.6	2.6	2.4	83000	-32.9	-30.3	-28.7	-25.7
14790	2.6	3.2	3.1	2.9	86000	-36.9	-34.3	-32.8	-29.7
14900	2.5	3.1	3.4	3.2	89000	-40.8	-38.3	-36.8	-33.7
15122	2.3	2.8	3.2	3.9	92000	-44.8	-42.3	-40.8	-37.7
16000	1.4	2.0	2.3	3.0	95000	-48.9	-46.3	-44.7	-41.7
18000	-0.6	0.0	0.3	1.0	98000	-53.3	-50.3	-48.7	-45.7
20000	-2.5	-2.0	-1.6	-1.0	101447*	-59.4*	-55.4	-53.5	-50.2
22000	-4.4	-3.8	-3.5	-2.9	104784*		-61.3*	-58.8	-54.9
24000	-6.2	-5.7	-5.4	-4.8	106786*			-62.5*	-57.8
26000	-8.0	-7.5	-7.2	-6.6	110792*				-64.8*
28000	-9.8	-9.3	-9.0	-8.4					
30000	-11.5	-11.0	-10.7	-10.2					
32000	-13.2	-12.7	-12.5	-11.9					
34000	-14.9	-14.4	-14.2	-13.6					
36000	-16.5	-16.1	-15.8	-15.3					
36500	-16.9	-16.5	-16.3	-15.7					
37000	-17.3	-16.9	-16.6	-16.1					
37500	-17.7	-17.3	-17.0	-16.5					
38000	-18.1	-17.7	-17.4	-16.9					
38900	-18.7	-18.4	-18.2	-17.7					
40000	-19.6	-19.2	-19.0	-18.6					
45000	-23.0	-22.8	-22.7	-22.4					

*Max capacity

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s)	A / C TYPE A340-311 (TC-JDL,-JDM) A340-312 (TC-JDK)	Carrier TK

Trim Tank Table

Fuel Wt. (Kg)	Index	Fuel Wt. (Kg)	Index
0	0.0	2700	30.4
200	2.2	2900	32.7
300	3.3	3000	33.9
400	4.4	3100	35.0
500	5.6	3300	37.4
600	6.7	3500	39.7
800	8.9	3600	40.8
900	10.0	3800	43.3
1000	11.2	4000	45.7
1200	13.4	4100	46.9
1400	15.6	4200	48.1
1500	16.8	4400	50.5
1600	17.9	4652 ¹	53.6*
1800	20.1	4805 ²	55.4*
1900	21.3	4897 ³	56.5*
2100	23.6	5080 ⁴	58.6*
2200	24.7		
2400	27.0		
2600	29.3		

VOLUMETRIC CAPACITY (Inner Tanks + Outer Tanks + Center Tank + Trim Tank)		
	Lt	Kg (Density 0.80 Kg/Lt)
INNER TANKS	42194 Lt * 2 = 84388 Lt	67510 KG
OUTER TANKS	3688 Lt * 2 = 7376 Lt	5901 KG
CENTER TANK	41720 Lt	33376 kg
TRIM TANK	6121 Lt	4897 KG
TOTAL	139605 Lt	111684 KG

Example calculation(Density 0.8 Kg / Lt) :

Individual Tank	Weight	Index
Inner & Outer Tanks	36500 Kg	-16.3
Trim Tank	500 Kg	5.6
Total Fuel	37000 Kg	-10.7

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 6
Cabin Configuration(s)	A / C TYPE A340-313 (TC-JDN,-JIH,-JII)	Carrier TK

5.3 EFFECT OF FUEL - FUEL LOADING / STANDARD PROCEDURE

Fuel Wt. kg	Fuel Density (Kg/ltr)						Fuel Wt. kg	Fuel Density (Kg/ltr)					
	0.78	0.79	0.80	0.81	0.82	0.83		0.78	0.79	0.80	0.81	0.82	0.83
2000	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	61500	1.0	0.5	0.0	-0.4	-0.8	-1.2
4000	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	64000	1.8	1.1	0.5	0.0	-0.5	-1.0
6000	-6.4	-6.4	-6.4	-6.4	-6.4	-6.4	66500	3.0	2.3	1.5	0.8	0.2	-0.4
8000	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	69000	4.8	3.8	3.0	2.1	1.3	0.6
10000	-7.7	-7.7	-7.7	-7.7	-7.7	-7.7	71000	6.7	5.5	4.4	3.5	2.6	1.7
12000	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8	73000	8.8	7.6	6.4	5.2	4.1	3.1
14000	1.0	1.0	0.9	0.9	0.9	0.8	75000	11.1	9.9	8.6	7.3	6.1	4.9
16000	1.6	1.9	2.1	2.3	2.5	2.8	77000	10.9	10.8	10.7	9.7	8.3	7.0
18000	-0.3	-0.1	0.1	0.3	0.5	0.8	79000	10.4	10.4	10.4	10.4	10.3	9.5
20000	-2.3	-2.1	-1.8	-1.6	-1.4	-1.2	81000	9.7	9.8	9.9	10.0	10.0	9.9
22000	-4.2	-4.0	-3.8	-3.5	-3.3	-3.1	83000	8.9	9.0	9.2	9.3	9.5	9.5
24000	-6.0	-5.8	-5.6	-5.4	-5.2	-5.0	85000	8.0	8.2	8.4	8.6	8.7	8.9
26000	-7.8	-7.6	-7.4	-7.2	-7.0	-6.8	87000	7.1	7.3	7.5	7.7	7.9	8.1
28000	-9.6	-9.4	-9.2	-9.0	-8.8	-8.6	89000	6.3	6.5	6.7	6.9	7.1	7.3
30000	-11.3	-11.2	-11.0	-10.8	-10.6	-10.4	91000	5.4	5.6	5.8	6.0	6.2	6.4
32000	-13.0	-12.9	-12.7	-12.5	-12.3	-12.1	93000	4.6	4.8	5.0	5.2	5.4	5.6
34000	-14.7	-14.6	-14.4	-14.2	-14.0	-13.8	95000	3.8	4.0	4.1	4.3	4.5	4.7
36000	-16.4	-16.2	-16.0	-15.9	-15.7	-15.5	97000	3.0	3.2	3.3	3.5	3.7	3.8
36500	-16.8	-16.6	-16.4	-16.3	-16.1	-15.9	99000	2.2	2.4	2.5	2.7	2.8	3.0
37000	-11.3	-11.1	-10.9	-10.8	-10.6	-10.4	101000	1.4	1.6	1.8	1.9	2.1	2.2
37500	-5.6	-5.5	-5.3	-5.1	-5.0	-4.8	103000	0.6	0.8	1.0	1.1	1.3	1.4
38000	-0.1	0.1	0.3	0.4	0.6	0.8	105000	-0.4	-0.1	0.1	0.3	0.5	0.6
38500	5.7	5.8	6.0	6.1	6.3	6.5	107000	-1.6	-1.2	-0.9	-0.6	-0.4	-0.2
39000	10.1	10.3	10.4	10.6	10.8	10.9	109000	-3.2	-2.5	-2.0	-1.6	-1.3	-1.1
41500	8.1	8.3	8.4	8.6	8.7	8.9	111000		-4.2	-3.4	-2.8	-2.4	-2.0
44000	6.2	6.4	6.5	6.6	6.8	6.9	113000			-5.2	-4.4	-3.7	-3.2
46500	4.5	4.6	4.7	4.8	4.9	5.0	115000					-5.3	-4.6
49000	3.0	3.0	3.0	3.1	3.2	3.3	117000						-6.4
51500	1.8	1.7	1.7	1.7	1.7	1.6							
54000	1.0	0.8	0.7	0.5	0.5	0.4							
56500	0.6	0.3	0.1	-0.1	-0.3	-0.5							
59000	0.6	0.2	-0.2	-0.5	-0.7	-1.0							
							FULL	-4.9	-4.9	-5.0	-5.1	-5.1	-5.2

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 08.12A & 08.12B, with the supervision of the responsible technical staff and commander (flight crew).

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s)	A / C TYPE A340-313 (TC-JDN,-JIH,-JII)	Carrier TK

5.4 EFFECT OF FUEL Inner+Outer +Center Tanks & Trim tank seperately

If DCS database & loadcontroller input command allows loadcontroller to input Inner+Outer+Center 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 + Center tanks should be read and corresponding fuel index should be read from "Inner + Outer + Center 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.

Inner + Outer + Center 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	50000	-25.2	-25.6	-25.7	-25.7
4000	-4.2	-4.2	-4.2	-4.2	55000	-25.7	-26.6	-27.0	-27.7
6000	-6.3	-6.3	-6.4	-6.4	60000	-24.5	-26.0	-26.8	-28.1
8000	-8.4	-8.4	-8.4	-8.4	65000	-21.5	-23.8	-25.0	-27.0
9000	-9.4	-9.4	-9.4	-9.4	70566	-15.4	-18.8	-20.6	-23.9
10000	-7.7	-7.7	-7.7	-7.7	72886	-17.7	-15.9	-18.0	-21.7
11000	-5.8	-5.8	-5.8	-5.8	74280	-19.3	-17.3	-16.3	-20.3
12000	-3.7	-3.7	-3.8	-3.8	77066	-22.9	-20.4	-19.1	-16.9
14000	1.1	1.0	0.9	0.8	80000	-26.7	-24.1	-22.6	-19.8
14548	2.6	2.5	2.4	2.3	84000	-32.1	-29.5	-27.9	-24.7
14730	2.4	3.0	2.9	2.8	87000	-36.1	-33.5	-31.9	-28.7
14840	2.3	2.9	3.2	3.1	90000	-40.1	-37.5	-35.9	-32.7
15060	2.1	2.7	3.0	3.7	93000	-44.1	-41.5	-39.9	-36.8
16000	1.2	1.7	2.1	2.7	96000	-48.2	-45.4	-43.9	-40.8
18000	-0.8	-0.3	0.1	0.7	99000	-52.6	-49.5	-47.9	-44.7
20000	-2.7	-2.2	-1.9	-1.2	102805*	-59.4*	-55.2	-53.2	-49.8
22000	-4.6	-4.1	-3.7	-3.1	106186*		-61.4*	-58.7	-54.5
24000	-6.4	-5.9	-5.6	-5.0	108216*			-62.6*	-57.6
26000	-8.2	-7.7	-7.4	-6.8	112275*				-64.9*
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	-14.6	-14.4	-13.8					
36000	-16.7	-16.3	-16.0	-15.5					
36500	-17.1	-16.7	-16.5	-15.9					
37000	-17.5	-17.1	-16.8	-16.3					
37500	-17.9	-17.5	-17.2	-16.7					
38000	-18.3	-17.9	-17.7	-17.2					
38900	-18.9	-18.6	-18.4	-17.9					
40000	-19.8	-19.4	-19.2	-18.8					
45000	-23.2	-23.0	-22.9	-22.6					

*Max capacity

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s)	A / C TYPE A340-313 (TC-JDN,-JIH,-JII)	Carrier TK

Trim Tank Table

Fuel Wt. (Kg)	Index	Fuel Wt. (Kg)	Index
0	0.0	2700	30.4
200	2.2	2900	32.7
300	3.3	3000	33.9
400	4.4	3100	35.0
500	5.6	3300	37.4
600	6.7	3500	39.7
800	8.9	3600	40.8
900	10.0	3800	43.3
1000	11.2	4000	45.7
1200	13.4	4100	46.9
1400	15.6	4200	48.1
1500	16.8	4400	50.5
1600	17.9	4735 ¹	54.4*
1800	20.1	4891 ²	56.3*
1900	21.3	4984 ³	57.4*
2100	23.6	5171 ⁴	59.7*
2200	24.7		
2400	27.0		
2600	29.3		

VOLUMETRIC CAPACITY (Inner Tanks + Outer Tanks + Center Tank + Trim Tank)		
	Lt	Kg (Density 0.80 Kg/Lt)
INNER TANKS	42775 LT * 2 = 85550 Lt	68440 KG
OUTER TANKS	3650 LT * 2 = 7300 Lt	5840 KG
CENTER TANK	42420 Lt	33936 kg
TRIM TANK	6231 Lt	4985 KG
TOTAL	141501 Lt	113201 KG

Example calculation(Density 0.8 Kg / Lt) :

Individual Tank	Weight	Index
Inner & Outer Tanks	36500 Kg	-16.5
Trim Tank	500 Kg	5.6
Total Fuel	37000 Kg	-10.9

- 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

5.5 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 7
Cabin Configuration(s) ALL	A / C TYPE A340-300	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	-	27.001	-	0.0108

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	4	-	24.675	-	0.00987
MID	6	-	6.175	-	0.00247
AFT	4	+	21.325	+	0.00853

Remarks: "FWD", "MID", "AFT" average Cabin Crew Seats Locations can be used for simplicity.

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	
4/1	4	1	1	0	0	BULK CARGO COMPT. 5
4/2	4	2	1	0	1	
4/3	4	3	1	1	1	
4/4	4	4	1	2	1	
4/5	4	5	1	2	2	
4/6	4	6	2	2	2	
4/7	4	7	2	3	2	
4/8	4	8	2	4	2	
4/9	4	9	3	4	2	
4/10	4	10	3	5	2	
4/11	4	11	3	5	3	
4/12	4	12	4	5	3	
4/13	4	13	4	6	3	
4/14	4	14	4	6	4	

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 8
Cabin Configuration(s)	A / C TYPE A340-300	Carrier TK

7. GALLEY AND PANTRY

7.1. Galleys

For TC- JDK,-JDL,-JDM,-JDN,-JIH,-JII

Galley locations	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
G1C	-	23.3291	-	-0.00933
G1	-	22.9141	-	-0.00916
BAR UNIT	-	21.4495	-	-0.00858
G2	-	13.0040	-	-0.00520
FWD (G1C+G1+BAR UNIT+G2)	-	22.5539	-	-0.00902
G3	-	11.0736	-	-0.00442
G3R	-	09.8834	-	-0.00395
G3L	-	09.8834	-	-0.00395
G4	-	09.1432	-	-0.00365
MID (G3+G3R+G3L+G4)	-	10.5750	-	-0.00423
G5	+	20.2441	+	+0.00809
G6	+	22.9502	+	+0.00918
G7	+	22.9502	+	+0.00918
AFT (G5+G6+G7)	+	22.0500	+	+0.00882

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 8
Cabin Configuration(s) ALL	A / C TYPE A340-300	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 9
	A / C TYPE A340-300	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	
TC-JDK,-JDL,-JII (270 SEATS)				
CABIN CONFIGURATION 34C/236Y				
OA	34			34
OB		120		120
OC		116		116
Total per class	34	236		270

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
TC-JIH,-JDM,-JDN (354 SEATS)				
HAJJ CONFIGURATION				
OA		92		92
OB		132		132
OC		130		130
Total per class		354		354

THIS TABLE IS VALID FOR ONLY HACC CONC 25/07/16

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 9
Cabin Configuration(s)	A / C TYPE A340-300	Carrier TK

8.2 Class/Cabin Sections

TC-JDK,-JDL,-JII (270 SEATS)				
Class/Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
OA	-	17.40	-	0.00696
OB	-	1.74	-	0.00070
OC	+	12.64	+	0.00506

TC-JIH,-JDM,-JDN (354 SEATS)				
Class/Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
OA	-	17.21	-	0.00688
OB	-	1.718	-	0.00069
OC	+	12.8	+	0.00512

THIS TABLE IS VALID FOR ONLY HACC ONFG

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 10
	A / C TYPE A340-300	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 A340-300	Carrier TK
TC-JII		

8.3.2 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Cabin Config. 34C/236Y									Length of arm from reference station	INDEX INFLUENCE per SEAT-ROW per 1kg	
		A	B		D	E	F	G		J			K
A	1	NBI	N	.	N	NI			.	N	NBI	-20.96	-0.00838
	2	NI	N	.	N	N			.	N	NI	-19.44	-0.00777
	3	NI	N	.	NI	NI			.	N	NI	-17.91	-0.00716
	4	NI	N	.	NI	NI			.	N	NI	-16.39	-0.00656
	5	NI	N	.	NI	NI			.	N	NI	-14.86	-0.00595
	6	NI	N	.					.	N	NI	-13.55	-0.00542
B	7	NBI	N	.	N	NBI	NBI	N	.	N	NBI	-7.71	-0.00308
	8	NI	NM	.	NM	NI	NI	NM	.	NM	NI	-6.86	-0.00274
	9	NI	NM	.	NM	NI	NI	NM	.	NM	NI	-6.01	-0.00240
	10	NI	NM	.	NM	N	NI	NM	.	NM	NI	-5.16	-0.00206
	11	NI	NM	.	NM	NI	N	NM	.	NM	NI	-4.31	-0.00172
	12	NI	NM	.	NM	N	NI	NM	.	NM	NI	-3.46	-0.00138
	13	NI	NM	.	NM	NI	N	NM	.	NM	NI	-2.60	-0.00104
	14	NI	NM	.	NM	N	NI	NM	.	NM	NI	-1.75	-0.00070
	15	NI	NM	.	NM	NI	N	NM	.	NM	NI	-0.90	-0.00036
	16	NI	NM	.	NM	N	NI	NM	.	NM	NI	-0.05	-0.00002
	17	NI	NM	.	NM	NI	N	NM	.	NM	NI	0.80	0.00032
	18	NI	NM	.	NM	N	NI	NM	.	NM	NI	1.65	0.00066
	19	NI	NM	.	NM	NI	N	NM	.	NM	NI	2.49	0.00100
	20	NI	NM	.	NM	N	NI	NM	.	NM	NI	3.33	0.00133
	21	NI	NM	.	NM	NI	N	NM	.	NM	NI	4.18	0.00167
C	22	NEL	NEL	.	N	NBI	NBI	N	.	NEL	NEL	6.76	0.00270
	23	NI	NM	.	NM	NI	N	NM	.	NM	NI	7.61	0.00304
	24	NI	NM	.	NM	N	NI	NM	.	NM	NI	8.46	0.00338
	25	NI	NM	.	NM	NI	N	NM	.	NM	NI	9.31	0.00372
	26	NI	NM	.	NM	N	NI	NM	.	NM	NI	10.16	0.00406
	27	NI	NM	.	NM	NI	N	NM	.	NM	NI	11.01	0.00440
	28	NI	NM	.	NM	N	NI	NM	.	NM	NI	11.86	0.00474
	29	NI	NM	.	NM	NI	N	NM	.	NM	NI	12.71	0.00508
	30	NI	NM	.	NM	N	NI	NM	.	NM	NI	13.56	0.00543
	31	NI	NM	.	NM	NI	N	NM	.	NM	NI	14.44	0.00577
	32	NI	NM	.	NM	N	NI	NM	.	NM	NI	15.31	0.00613
	33	NI	NM	.	NM		NI	N	.	NM	NI	16.19	0.00648
	34	NI	NM	.	NM		N	N	.	NM	NI	17.07	0.00683
	35	NI	NM	.	NM		N	N	.	NM	NI	17.94	0.00718
	36	NI	NM	.	NM		N	N	.	NM	NI	18.82	0.00753

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) HAJJ CONF. TC-JIH,JDM,JDN	A / C TYPE A340-300	Carrier TK

8.3.3 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Cabin Config. 354Y										Length of arm from reference station	INDEX INFLUENCE per SEAT-ROW per 1kg
		A	B		D	E	F	G		J	K		
A	1	N	N	.	N	N	N	N	.	N	N		-0.00850
	2	N	N	.	N	N	N	N	.	N	N		-0.00819
	3	N	N	.	N	N	N	N	.	N	N		-0.00788
	4	N	N	.	N	N	N	N	.	N	N		-0.00757
	5	N	N	.	N	N	N	N	.	N	N		-0.00726
	6	N	N	.	N	N	N	N	.	N	N		-0.00695
	7	N	N	.	N	N	N	N	.	N	N		-0.00665
	8	N	N	.	N	N	N	N	.	N	N		-0.00634
	9	N	N	.	N	N	N	N	.	N	N		-0.00604
	10	N	N	.	N	N	N	N	.	N	N		-0.00573
	11	N	N	.	N	N	N	N	.	N	N		-0.00543
	12			.	N	N	N	N	.				-0.00518
B	13	N	N	.	N	N	N	N	.	N	N		-0.00309
	14	N	N	.	N	N	N	N	.	N	N		-0.00278
	15	N	N	.	N	N	N	N	.	N	N		-0.00247
	16	N	N	.	N	N	N	N	.	N	N		-0.00216
	17	N	N	.	N	N	N	N	.	N	N		-0.00185
	18	N	N	.	N	N	N	N	.	N	N		-0.00154
	19	N	N	.	N	N	N	N	.	N	N		-0.00123
	20	N	N	.	N	N	N	N	.	N	N		-0.00092
	21	N	N	.	N	N	N	N	.	N	N		-0.00061
	22	N	N	.	N	N	N	N	.	N	N		-0.00030
	23	N	N	.	N	N	N	N	.	N	N		+0.00001
	24	N	N	.	N	N	N	N	.	N	N		+0.00032
	25	N	N	.	N	N	N	N	.	N	N		+0.00063
	26	N	N	.	N	N	N	N	.	N	N		+0.00094
	27	N	N	.	N	N	N	N	.	N	N		+0.00124
	28	N	N	.	N	N	N	N	.	N	N		+0.00154
	29			.	N	N	N	N	.				+0.00183
C	30	N	N	.	N	N	N	N	.	N	N		+0.00271
	31	N	N	.	N	N	N	N	.	N	N		+0.00302
	32	N	N	.	N	N	N	N	.	N	N		+0.00333
	33	N	N	.	N	N	N	N	.	N	N		+0.00364
	34	N	N	.	N	N	N	N	.	N	N		+0.00395
	35	N	N	.	N	N	N	N	.	N	N		+0.00426
	36	N	N	.	N	N	N	N	.	N	N		+0.00457
	37	N	N	.	N	N	N	N	.	N	N		+0.00488
	38	N	N	.	N	N	N	N	.	N	N		+0.00519
	39	N	N	.	N	N	N	N	.	N	N		+0.00550
	40	N	N	.	N	N	N	N	.	N	N		+0.00582
	41	N	N	.	N	N	N	N	.	N	N		+0.00614
	42	N	N	.	N	N	N	N	.	N	N		+0.00646
	43	N	N	.	N	N	N	N	.	N	N		+0.00678
	44	N	N	.	N	N	N	N	.	N	N		+0.00709
	45	N	N	.	N	N	N	N	.	N	N		+0.00741
	46			.	N	N	N	N	.				+0.00763
	47			.	N	N	N	N	.				+0.00812

TESTABLES AND FOR ONLY HACC CONF

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 12
Cabin Configuration(s)	A / C TYPE A340-300	Carrier TK
ALL		

9. DETAILS FOR COMPARTMENT TRIM

For TC-JDK,-JDL,-JDM,-JDN,-JIH,-JII

COMPARTMENT		MAXIMUM CAPACITY		Index influence	
NUMBER	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME* (m ³)	+/-	per 1 kg
1	FWD CARGO HOLD	1+2 MAX.CUM.		-	0.00769
2	FWD CARGO HOLD	22861		-	0.00471
3	AFT CARGO HOLD	3+4 MAX.CUM.		+	0.00332
4	AFT CARGO HOLD	18507		+	0.00530
5	REAR / BULK CargoHold	3468	19.68	+	0.00716

Remarks:

* : Volume information is given only for Bulk compartments .

9.1 Combined Load Limitations : N/A

For TC- JDK,-JDL,-JDM,-JDN,-JIH,-JII

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 A340-300	Carrier TK
ALL		

10. DETAILS FOR BAY / SECTION TRIM

BAY / SECTION	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME (M ³)	Index influence	
				+/-	per 1 kg
11 R or L	AVE , AKE	1587		-	0.008367
12 R or L	AVE , AKE	1587		-	0.007652
13 R or L	AVE , AKE	1587		-	0.007019
11	PLA , P9A	3174		-	0.008367
12	PLA , P9A	3174		-	0.007652
13	PLA , P9A	3174		-	0.007019
11P	PAG	4626		-	0.008230
12P	PAG	4626		-	0.007160
11P	PMC (96x125 inch)	5103		-	0.008190
12P	PMC (96x125 inch)	5103		-	0.007200
21 R or L	AVE , AKE	1587		-	0.006314
22 R or L	AVE , AKE	1587		-	0.005681
23 R or L	AVE , AKE	1587		-	0.005048
24 R or L	AVE , AKE	1587		-	0.004343
25 R or L	AVE , AKE	1587		-	0.003710
26 R or L	AVE , AKE	1587		-	0.003077
21	PLA , P9A	3174		-	0.006314
22	PLA , P9A	3174		-	0.005681
23	PLA , P9A	3174		-	0.005048
24	PLA , P9A	3174		-	0.004343
25	PLA , P9A	3174		-	0.003710
26	PLA , P9A	3174		-	0.003077
21P	PAG (88x125 inch)	4626		-	0.006170
22P	PAG (88x125 inch)	4626		-	0.005190
23P	PAG (88x125 inch)	4626		-	0.004200
24P	PAG (88x125 inch)	4626		-	0.003220
21P	PMC (96x125 inch)	5103		-	0.006195
22P	PMC (96x125 inch)	5103		-	0.005209
23P	PMC (96x125 inch)	5103		-	0.004224
24P	PMC (96x125 inch)	5103		-	0.003238

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 13
Cabin Configuration(s)	A/ C TYPE A340-300	Carrier TK
ALL		

10. DETAILS FOR BAY / SECTION TRIM

BAY / SECTION	DESCRIPTION	GROSS WEIGHT (kg)	VOLUME (M ³)	Index influence		
				+/-	per 1 kg	
31 R or L *	AVE , AKE	1587		+	0.001816	
32 R or L	AVE , AKE	1587		+	0.002801	
33 R or L	AVE , AKE	1587		+	0.003435	
34 R or L	AVE , AKE	1587		+	0.004067	
31 *	PLA , P9A	3174		+	0.001816	
32	PLA , P9A	3174		+	0.002801	
33	PLA , P9A	3174		+	0.003435	
34	PLA , P9A	3174		+	0.004067	
31P *	PAG	4626		+	0.001956	
31P *	PMC	5103		+	0.001997	
32P	PMC	5103		+	0.002982	
32P	PAG	4626		+	0.002941	
33P	PAG	4626		+	0.003850	
33P	PMC (96x125 in)	5103		+	0.003846	
41 L or R	AVE , AKE	1587		+	0.004691	
42 L or R	AVE , AKE	1587		+	0.005324	
43 L or R	AVE , AKE	1587		+	0.005957	
41	PLA , P9A	3174		+	0.004691	
42	PLA , P9A	3174		+	0.005324	
43	PLA , P9A	3174		+	0.005957	
41P	PAG (88x125 in)	4626		+	0.004830	
42P	PAG(88x125 in)	4626		+	0.005740	
41P	PMC (96x125 in)	5103		+	0.004790	
42P	PMC (96x125 in)	5103		+	0.005780	
51	JDM/N/JIH/II	bulk loading	339	1.87	+	0.006562
52	JDM/N/JIH/II	bulk loading	1413	7.87	+	0.006774
53	JDM/N/JIH/II	bulk loading	1716	9.94	+	0.007593

Remarks:

* : This Positions are available just for 354 seats A/C. TCJDM, TCJDN,-TCJIH.

The latch arrangement prevents the loading of 3 ULDs with baseplate 96 x 125 in on positions 32P, 33P and 41P together.



EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 14
	A / C TYPE A340-300	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 A340-300	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	132.00
178000	150.00

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	D Sheet 2
	A / C TYPE A340-300	Carrier TK

2. UNIT LOAD DEVICES DETAILS

Type Code	Tare weight	Maximum Capacity		Remarks
		Gross Weight	VOLUME (M ³)	
AVE	90	1587	4.41	60.4x61.5 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 (O2)

NOTES: - GROSS WEIGHT includes tare weight of pallets, containers , nets and igloo

- GROSS WEIGHT is valid for only the aircraft type A340-300 .

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 A340-300	Carrier TK

3. SPECIAL LOAD

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