

**A321-200
IATA AHM560 DATA
LIST OF EFFECTIVE PAGES
REV 153**

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
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
12.00	19-Jul-17	152	-	-	List Of Effective Pages / Revision Highlights
12.01	05-Sep-07	25	-	C2,C3	Basic Index and MAC formula/ Stabilizer Trim Settings/A/C Registration., Wt Index Details
12.02	19-Jul-17	152	-	-	A/C Basic & Dry Operating Weight & Index Table
12.02A	20-Jun-17	151	-	-	A/C Basic & Dry Operating Weight & Index Table
12.02B	27-Jan-17	144	-	-	A/C Basic & Dry Operating Weight & Index Table
12.00	20-Sep-16	136	-	-	A/C Basic & Dry Operating Weight & Index Table
12.02C	08-Mar-12	52	-	-	Pantry Codes
12.03	04-Aug-17	153	Updated	C4	Aircraft Weight Limitations
12.02A	27-Jan-17	144	-	C4	Aircraft Weight Limitations
12.04	27-Jan-17	144	-	C5	CG Limits(Take-off) for Loadsheets Purpose
12.05	27-Jan-17	144	-	C5	CG Limits(Zero fuel) for Loadsheets Purpose
12.06	21-Mar-12	53	-	C6	Effect of Fuel / APU Taxi fuel weight
12.07	27-Jan-17	144	-	C7	Cockpit / Cabin crew
12.08	19-Jul-17	152	-	C8	Galley / Pantry
12.09	19-Jul-17	152	-	C9	Passenger Cabin
12.09A	27-Jan-17	144	-	C9	Passenger Cabin
12.09B	18-Apr-14	80	-	C9	Passenger Cabin
12.10	19-Jul-17	152	-	C9	Class / Cabin Areas
12.11	05-Sep-07	25	-	C10	Seating Layout Code Letters
12.12	11-May-15	107	-	C11	Seat Plan Layout – JRA,B,C,D,E,F,G,H,I,J,K,L
12.12A	07-Nov-16	140	-	C11	Seat Plan Layout – JMH,JMI,JMJ,JMK
12.12B	19-Jul-17	152	-	C11	Seat Plan Layout – JML
12.12C	15-Dec-15	119	-	C11	Seat Plan Layout TC– JMM, -JMN
12.12F	16-Mar-15	103	-	C11	Seat Plan Layout – JRM,...,JSM
12.12G	27-Jan-17	144	-	C11	Seat Plan Layout -JSN,...,-JTN,-JTP,-JTR
12.13	27-Jan-17	144	-	C12	Details For Compartment Trim
12.14	27-Jan-17	144	-	C13	Details For Bay/Section Trim
12.15	18-Feb-08	28	-	C14,D1 D2,D3	BALLAST,CG LIMITS / Ideal Trim Line, Unit Load Devices / Special Load
12.16A	14-Sep-14	-	-	-	Load&Trim Sheet (TC-JMH,JMI,JMJ,JMK)
12.16C	04-Oct-12	-	-	-	Load&Trim Sheet (TC-JML)
12.16D	29-Mar-14	-	-	-	Load&Trim Sheet (TC-JMM,JMN)
12.16E	01-Oct-07	-	-	-	Load&Trim Sheet (TC-JRA,...,JRL)
12.16F	11-Apr-13	-	-	-	Load&Trim Sheet (TC-JRM,...,JRZ,-JSA,...,JSM)
12.16G	22-Apr-16	128	-	-	Load&Trim Sheet (TC-JSN,...,JSZ,-JTA,...,JTG,JTH,JTI)

REVISION HIGHLIGHTS

REV NO	REVISION DESCRIPTION
153	LMC values are updated.
152	TC-JML cabin config cahnged and BW/BI changed due to weighing.
151	TC-JSM BW/BI changed due to weighing.
150	TC-JSJ BW/BI changed due to weighing.
149	TC-JSL BW/BI changed due to weighing.
148	TC-JRO BW/BI changed due to weighing
147	TC-JSK BW/BI changed due to weighing.
146	TC-JSI BW/BI changed due to weighing.
145	TC-JSH BW/BI changed due to weighing.
144	New Aircrafts TC-JTP,-JTR joined THY Fleet. TC-JSF BW/BI changed due to weighing.
143	TC-JRC,-JRD BW/BI changed due to weighing.
142	TC-JSE BW/BI changed due to weighing, cockpit & cabin index values are revised.
141	TC-JRN BW/BI changed due to weighing.
140	TC-JRM BW/BI changed due to weighing, Seat plan Layout revised – JMH,-JMI,-JMJ,-JMK
139	TC-JMI BW/BI changed due to weighing
138	TC-JSD, -JMJ BW/BI changed due to weighing
137	TC-JRI BW/BI changed due to weighing
136	New Aircraft TC-JTO joined THY Fleet
135	New Aircraft TC-JTN joined THY Fleet
134	TC-JSC BW/BI changed due to weighing
133	New Aircraft TC-JTM joined THY Fleet
132	TC-JSB BW/BI changed due to weighing.
131	New Aircraft TC-JTL joined THY Fleet..
130	New Aircrafts TC-JTJ and TC-JTK joined THY Fleet..
129	TC-JRG BW/BI changed due to weighing
128	New Aircraft TC-JTI joined THY Fleet
127	TC-JRZ BW/BI changed due to weighing , TC-JRB BW/BI changed due to modification.
126	TC-JSA BW/BI changed due to weighing.
125	New Aircrafts TC-JTH joined THY Fleet..
124	New Aircrafts TC-JTF and TC-JTG joined THY Fleet. TC-JRY BW/BI changed due to weighing.
123	TC-JMN converted from 32C/119Y to 20C/158Y dual class passenger configuration. BW/BI changed due to weighing.
122	TC-JMH and JMK BW/BI changed due to weighing.
121	TC-JRK and JRV BW/BI changed due to weighing.
120	TC-JMM BW/BI changed due to weighing.
119	TC-JMM converted from 32C/119Y to 20C/158Y dual class passenger configuration.
119	TC-JRA BW/BI changed due to weighing,
118	New Aircraft TC-JTE joined THY fleet.
117	TC-JML BW/BI changed due to weighing,
116	New Aircraft TC-JTD joined THY fleet, TC-JRL BW/BI changed due to weighing,
115	New Aircraft TC-JTA joined THY fleet.
114	New Aircraft TC-JSZ joined THY fleet.
113	New Aircraft TC-JSV,-JSY joined THY fleet.
112	New Aircraft TC-JSU joined THY Fleet.
111	New Aircraft TC-JST joined THY Fleet. TC-JRG, TC-JRT and TC-JRU BW/BI changed due to weighing,
110	New Aircraft TC-JSS joined THY Fleet.
109	New Aircraft TC-JSR joined THY Fleet. TC-JRE and TC-JRF BW/BI changed due to weighing,
108	TC-JRR and TC-JRS BW/BI changed due to weighing,
107	New Aircraft TC-JSP joined THY Fleet, JRB seatplans modified by addition of seat row 13
106	New Aircraft TC-JSO joined THY Fleet.
105	TC-JRP BW/BI changed due to weighing.
104	New Aircraft TC-JSN joined THY Fleet, TC-JRO BW/BI changed due to weighing.
103	TC-JRJ seatplan modified by addition of seat row 13.

**A321-200
REVISION HIGHLIGHTS**

REV NO	REVISION DESCRIPTION
102	TC-JRM and TC-JRN BW/BI changed due to weighing.
101	TC-JRN seatplan modified by addition of seat row 13.
100	TC-JRJ BW/BI changed due to weighing.
99	TC-JRH BW/BI changed due to weighing.
98	TC-JMJ : It is converted from A321-232 to A321-231 so cg limits are updated.
98	TC-JSA,JSB,JSK,JRM,JRT seatplans modified by addition of seat row 13.
97	TC-JMK : It is converted from A321-232 to A321-231 so cg limits are updated.
97	TC-JRI,JRK,JSC,JSD,JSE,JSI seatplans modified by addition of seat row 13
96	TC-JRA,JRF,JRG,JRH,JSH seatplan modified by addition of seat row 13
95	TC-JRU seatplan modified by addition of seat row 13
94	TC-JRE seatplan modified by addition of seat row 13
93	TC-JMI : It is converted from A321-232 to A321-231 so cg limits are updated.
92	TC-JSF,JSM seatplan modified by addition of seat row 13
91	TC-JRD seatplan modified by addition of seat row 13
90	TC-JSJ,JRC,JRP and JRZ seatplan modified by addition of seat row 13
89	TC-JRV,JSL,JRS,JRY seatplan modified by addition of seat row 13
88	TC-JMH : It is converted from A321-232 to A321-231 so cg limits are updated.
87	TC-JMH,JMJ,JMK seatplan seatrow numbers changed
86	TC-JMI seatplan seatrow numbers changed
85	TC-JRO,JRR,JMH seatplan modified by addition of seat row 13
84	TC-JMI seatplan modified by addition of seat row 13
83	TC-JSG seatplan modified by addition of seat row 13
83	TC-JRA BW/BI changed due to weighing
82	TC-JRL seatplan modified by addition of seat row 13
81	TC-JSF BW/BI changed due to modification
80	TC-JMN new aircraft
79	TC-JSG BW/BI changed due to modification.
78	TC-JMM new aircraft
78	TC-JSH BW/BI changed due to modification.
77	TC-JSM BW/BI changed due to modification.
76	TC-JSE BW/BI changed due to modification.
75	TC-JSI BW/BI changed due to modification.
74	TC-JSJ BW/BI changed due to modification.
73	TC-JSL BW/BI changed due to modification.
72	TC-JSK BW/BI changed due to modification.
71	TC-JSM entered THY fleet.
71	TC-JML BW/BI changed due to weighing.
70	TC-JSJ entered THY fleet.
69	TC-JSL entered THY fleet.
68	TC-JSK entered THY fleet.
67	TC-JSI entered THY fleet.
66	TC-JSH entered THY fleet.
65	TC-JSG entered THY fleet.
65	TC-JMJ,JMK BW/BI changed due to weighing.
64	TC-JSF entered THY fleet.
64	TC-JRC,JRD,JMH BW/BI changed due to weighing.
63	TC-JSE entered THY fleet.
62	TC-JSD entered THY fleet.

REVISION HIGHLIGHTS

REV NO	REVISION DESCRIPTION
61	TC-JML converted from 210 full economy to 194 dual class passenger configuration
61	TC-JMI BW/BI changed due to weighing.
61	LMC values are updated.
60	TC-JSC entered THY fleet.
59	TC-JSB entered THY fleet.
59	TC-JMC,JMD re-delivered.
58	TC-JSA entered THY fleet.
57	TC-JML C/Y configuration is defined
56	TC-JRZ BW/BI changed due to weighing
55	TC-JRZ entered THY fleet.
55	TC-JRK and TC-JRL BW/BI changed due to weighing. 4 cabin crew added to Cabin Crew Locations.
54	TC-JRV and TC-JRY BW/BI changed due to weighing
53	TC-JRV and TC-JRY entered THY fleet
52	All pantry codes are amended. New design of BW/BI page.
51	TC-JRI, TC-JRJ BW/BI changed due to weighing
50	TC-JRH BW/BI changed due to weighing
49	TC-JRU entered THY fleet
48	TC-JRG BW/BI changed due to weighing
47	TC-JRT entered THY fleet
46	TC-JRS entered THY fleet
46	Pantry Standard W/I table (Catering) : New stations are added
46	Amendment of BW/BI of TC-JRF,-JRN,-JRO,-JRP,-JRR due to modifications
46	Weight of toolbox and taxi fuel weights are amended
45	TC-JRR entered THY fleet
44	TC-JRP entered THY fleet
43	TC-JRO entered THY fleet
43	Amendment of BW/BI of TC-JRE due to weighing
42	Details for Compartment Trim/ Bay/Section Trim are updated...(JRM/JRN)
41	TC-JRM & TC-JRN entered THY fleet / Row numbers are amended for JML.
41	Cabin Crew Seats locations table(Section 6.2) can be used for all registrations.Pls refer to page 12.07.
41	Several BW/BI values are changed on page 12.02/ Pantry codes are amended
40	Pantry Std W/I table : Addition of new stations
39	Row numbers are amended for JML.
38	Several BW/BI values are changed on page 12.02/ Pantry codes are amended
38	Cabin Crew Seats locations table(Section 6.2) can be used for all registrations.Pls refer to page 12.07.
37	New configurations are added to TC-JMF.
36	TC-JML entered THY fleet.
35	BW/BI of JMC,JMD,JME,JMF changed.
35	Duty free weight is removed from Pantry Standard W/I table.
35	Compartment 31: This pos. is occupied by ACT for only JME,JMF & JMG.
34	New a/c s (TC-JMJ & TC-JMK) entered THY fleet.
34	BW/BI of TC-JMH updated.
33	New A/C' s (TC-JMH & TC-JMI) entered THY fleet.
33	Added / amended stations are in red in pantry (catering) standard weight/Index table codes table.
32	Added / amended stations are in red in pantry (catering) standard weight/Index table codes table. Remarks are updated also.
32	Pantry (Catering) Standard W/I Table is added for TC-JMF & TC-JMG.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA		C Sheet 2
Cabin Configuration(s) ALL	A/C TYPE A321-200	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 = **23.117** meters from zero
- K (Constant) = **50**
- C (Constant) = **1000**

2.3. MAC Information

- Length of MAC = **4.1935** meters
- LEMAC at = **22.0687** meters/ from zero

2.4. Stabilizer Trim Setting

MAC Range	STAB Range	
10	4.5	Nose up
12	4.5	Nose up
41	-3.5	Nose down
46	-3.5	Nose down

Linear variation between 12% MAC and 41% MAC

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA		C Sheet 3
Cabin Configuration(s) ALL	A / C TYPE A321-200	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.	Number of Seats	Basic*(crew(0/0))		How to calculate DOW/DOI?		
				Weight	Index	Basic Weight/Index (Full potable water tank) + Cockpit Crew Total Weight/Index + Cabin Crew Total Weight/Index + Pantry Weight/Index = Dry Operating Weight/Index		
A321-231	3637	TC-JMH	178	49566	35.9			
A321-231	3673	TC-JMI	178	49502	38.6			
A321-231	3688	TC-JMJ	178	49570	38.1			
A321-231	3738	TC-JMK	178	49565	38.3			
A321-231	3382	TC-JML	194	48529	40.9			
A321-231	2916	TC-JMM	178	49563	39.4			
A321-231	2919	TC-JMN	178	49831	38.7			
						If actual is different , then make necessary adjustments		
A321-231	2823	TC-JRA	194	49250	40.9	A/C Reg	A/C Limitations	
A321-231	2868	TC-JRB	194	49302	40.6	JMH,JMI, JMJ,JMK JMM,JMN	MTAXI	89400 KG
A321-231	2999	TC-JRC	194	49262	41.1		MTOW	89000 KG
A321-231	3015	TC-JRD	194	49184	40.4		MLDW	77800 KG
A321-231	3126	TC-JRE	194	49415	42.2		MZFW	73800 KG
A321-231	3207	TC-JRF	194	49187	42.4	JML (WV000)	MTAXI	89400 KG
A321-231	3283	TC-JRG	194	49120	40.3		MTOW	89000 KG
A321-231	3350	TC-JRH	194	49133	41.1		MLDW	75500 KG
A321-231	3405	TC-JRI	194	49324	42.3		MZFW	71500 KG
A321-231	3429	TC-JRJ	194	49069	40.4	JRA,...,JRL (WV002)	MTAXI	89400 KG
A321-231	3525	TC-JRK	194	49091	40.5		MTOW	89000 KG
A321-231	3539	TC-JRL	194	49666	42.0		MLDW	77800 KG
							MZFW	73800 KG

COCKPIT CREW TOTAL EFFECT		
Cockpit Crew No/Locations	WEIGHT	INDEX
2 COCKPIT CREW (2 FrontSeat)	170	-3.1
3 COCKPIT CREW (2 FrontSeat +1 AftSeat)	255	-4.6
4 COCKPIT CREW (2 FrontSeat +2 AftSeat) only for TC-JML	340	-6.1
Cabin Crew No/Locations for JMH,JMI,JMJ,JMK		
Cabin Crew No/Locations	WEIGHT	INDEX
4 CABIN CREW (1 Fwd+2 MID+1 Aft)	300	0
5 CABIN CREW (1 Fwd+2 MID+2 Aft)	375	1.1
6 CABIN CREW (2 Fwd+2 MID+2 Aft)	450	-0.1
7 CABIN CREW (2 Fwd+2 MID+3 Aft)	525	1.1
8 CABIN CREW (2 Fwd+3 MID+3 Aft)	600	1.1
Cabin Crew No/Locations for TC-JMM,-JMN		
Cabin Crew No/Locations	WEIGHT	INDEX
4 CABIN CREW (1 Fwd+2 MID+1 Aft)	300	-0.6
5 CABIN CREW (1 Fwd+2 MID+2 Aft)	375	0.6
6 CABIN CREW (2 Fwd+2 MID+2 Aft)	450	-0.6
7 CABIN CREW (2 Fwd+2 MID+3 Aft)	525	0.6
8 CABIN CREW (2 Fwd+3 MID+3 Aft)	600	0.3
Cabin Crew No/Locations for TC-JRA --- TC-JRL		
Cabin Crew No/Locations	WEIGHT	INDEX
4 CABIN CREW (1 Fwd+2 MID+1 Aft)	300	-0.3
5 CABIN CREW (1 Fwd+2 MID+2 Aft)	375	0.9
6 CABIN CREW (2 Fwd+2 MID+2 Aft)	450	-0.3
7 CABIN CREW (2 Fwd+2 MID+3 Aft)	525	0.9
8 CABIN CREW (2 Fwd+2 MID+4 Aft)	600	2.1

PANTRY (CATERING) STANDARD W/I TABLE IS ON PAGE 12.02B

INFLUENCE OF POTABLE WATER ON DOW/DOI

BW/BI value in the above table already includes potable water with **FULL tank (200 kg / 3.1 Index)**.

If potable water tanks are different; adjust DOW & DOI in proper ratios.

%75 POTABLE WATER	%50 POTABLE WATER	%25 POTABLE WATER
Subtract 50 KG / Subtract 0.8 Index	Subtract 100 KG / Subtract 1.5 Index	Subtract 150 KG / Subtract 2.3 Index

*Basic Wt/Index includes: Cockpit & A/C Documents, Potable Water Tanks Full, Skylife Magazine, Tare empty Weight of all Trolleys & Galley Equipment (hotcup, hotjug, etc). If some items or Equipment 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". Dry Operating Weight/Index does **NOT** include "Equipment in cargo".

TOOLKIT BOX = 35 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.

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
				Weight	Index	
A321-231	4643	TC-JRM	180	49535	40.1	If actual is different , then make necessary adjustments
A321-231	4654	TC-JRN	180	49609	39.5	
A321-231	4682	TC-JRO	180	49585	40.6	
A321-231	4698	TC-JRP	180	49615	40.8	
A321-231	4706	TC-JRR	180	49585	41.0	
A321-231	4761	TC-JRS	180	49565	41.1	
A321-231	4779	TC-JRT	180	49615	41.3	
A321-231	4788	TC-JRU	180	49560	40.5	
A321-231	5077	TC-JRV	180	49575	41.0	
A321-231	5083	TC-JRY	180	49655	40.7	
A321-231	5118	TC-JRZ	180	49583	41.2	
A321-231	5154	TC-JSA	180	49559	41.3	
A321-231	5205	TC-JSB	180	49420	40.8	
A321-231	5254	TC-JSC	180	49592	41,9	
A321-231	5388	TC-JSD	180	49574	41.2	
A321-231	5450	TC-JSE	180	49990	42.6	
A321-231	5465	TC-JSF	180	49970	42.4	
A321-231	5490	TC-JSG	180	49455	41.9	
A321-231	5546	TC-JSH	180	49811	43.0	
A321-231	5584	TC-JSI	180	49799	42.6	
A321-231	5633	TC-JSJ	180	49887	42.4	
A321-231	5663	TC-JSK	180	49822	42.3	
A321-231	5667	TC-JSL	180	49744	42.8	
A321-231	5689	TC-JSM	180	49784	42.6	

A/C Reg	A/C Limitations	
JRM,...,JSM (WV002)	MTAXI	89400 KG
	MTOW	89000 KG
	MLDW	77800 KG
	MZFW	73800 KG

COCKPIT CREW TOTAL EFFECT / Cockpit Crew No/Locations		
Cockpit Crew No/Locations for TC-JRM, -JSM	WEIGHT	INDEX
2 COCKPIT CREW (2 FrontSeat)	170	-3.1
3 COCKPIT CREW (2 FrontSeat +1 AftSeat)	255	-4.6
CABIN CREW TOTAL EFFECT / Cabin Crew No/Locations		
Cabin Crew No/Locations for TC-JRM, -JSM	WEIGHT	INDEX
4 CABIN CREW (1 Fwd+2 MID+1 Aft)	300	-0.3
5 CABIN CREW (1 Fwd+2 MID+2 Aft)	375	0.9
6 CABIN CREW (2 Fwd+2 MID+2 Aft)	450	-0.3
7 CABIN CREW (2 Fwd+2 MID+3 Aft)	525	0.9
8 CABIN CREW (2 Fwd+2 MID+4 Aft)	600	2.1

PANTRY (CATERING) STANDARD W/I TABLE IS ON PAGE 12.02B

INFLUENCE OF POTABLE WATER ON DOW/DOI

BW/BI value in the above table already includes potable water with **FULL tank (200 kg / 3.1 Index)**.
If potable water tanks are different; adjust DOW & DOI in proper ratios.

%75 POTABLE WATER	%50 POTABLE WATER	%25 POTABLE WATER
Subtract 50 KG / Subtract 0.8 Index	Subtract 100 KG / Subtract 1.5 Index	Subtract 150 KG / Subtract 2.3 Index

*Basic Wt/Index includes: Cockpit & A/C Documents, Potable Water Tanks Full, Skylife Magazine, Tare empty Weight of all Trolleys & Galley Equipment (hotcup, hotjug, etc). If some items or Equipment 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". Dry Operating Weight/Index does **NOT** include "Equipment in cargo".

TOOLKIT BOX = 35 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 10 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.

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	
A321-231	6508	TC-JSN	178	49125	44.0	A/C Reg A/C Limitations MTAXI 89400 KG MTOW 89000 KG MLDW 77800 KG MZFW 73800 KG
A321-231	6563	TC-JSO	178	49146	44.0	
A321-231	6599	TC-JSP	178	49176	43.5	
A321-231	6652	TC-JSR	178	49116	43.5	
A321-231	6657	TC-JSS	178	49126	43.4	
A321-231	6682	TC-JST	178	49176	44.0	
A321-231	6709	TC-JSU	178	49126	43.4	
A321-231	6751	TC-JSV	178	49151	43.4	
A321-231	6758	TC-JSY	178	49136	43.3	
A321-231	6766	TC-JSZ	178	49126	43.5	
A321-231	6781	TC-JTA	178	49146	43.7	
A321-231	6822	TC-JTD	178	49216	43.2	
A321-231	6869	TC-JTE	178	49196	43.6	
A321-231	6987	TC-JTF	178	49225	43.8	
A321-231	6990	TC-JTG	178	49145	43.9	
A321-231	7029	TC-JTH	178	49307	43.5	
A321-231	7089	TC-JTI	178	49270	43.6	
A321-231	7139	TC-JTJ	178	49315	43.4	
A321-231	7146	TC-JTK	178	49302	43.7	
A321-231	7166	TC-JTL	178	49285	44.0	
A321-231	7242	TC-JTM	178	49416	43.8	
A321-231	7274	TC-JTN	178	49406	43.6	
A321-231	7299	TC-JTO	178	49352	43.7	
A321-231	7516	TC-JTP	178	49432	43.3	
A321-231	7518	TC-JTR	178	49402	44.0	

COCKPIT CREW TOTAL EFFECT / Cockpit Crew No/Locations		
Cockpit Crew No/Locations	WEIGHT	INDEX
2 COCKPIT CREW (2 FrontSeat)	170	-3.1
3 COCKPIT CREW (2 FrontSeat +1 AftSeat)	255	-4.5
4 COCKPIT CREW (2 FrontSeat +2 AftSeat)	340	-6.0

CABIN CREW TOTAL EFFECT / Cabin Crew No/Locations		
Cabin Crew No/Locations	WEIGHT	INDEX
4 CABIN CREW (1 Fwd+2 MID+1 Aft)	300	-0.3
5 CABIN CREW (1 Fwd+2 MID+2 Aft)	375	0.9
6 CABIN CREW (2 Fwd+2 MID+2 Aft)	450	-0.3
7 CABIN CREW (2 Fwd+2 MID+3 Aft)	525	0.9
8 CABIN CREW (2 Fwd+2 MID+4 Aft)	600	2.1

PANTRY (CATERING) STANDARD W/I TABLE IS ON PAGE 12.02B

INFLUENCE OF POTABLE WATER ON DOW/DOI

BW/BI value in the above table already includes potable water with **FULL tank (200 kg / 3.1 Index)**.
If potable water tanks are different, adjust DOW & DOI in proper ratios.

%75 POTABLE WATER	%50 POTABLE WATER	%25 POTABLE WATER
Subtract 50 KG / Subtract 0.8 Index	Subtract 100 KG / Subtract 1.5 Index	Subtract 150 KG / Subtract 2.3 Index

*Basic Wt/Index includes: Cockpit & A/C Documents, Potable Water Tanks Full, Skylife Magazine, Tare empty Weight of all Trolleys & Galley Equipment (hotcup, hotjug, etc). If some items or Equipment 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".
Dry Operating Weight/Index does **NOT** include "Equipment in cargo".

TOOLKIT BOX = 35 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 10 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	Aft	WEIGHT	INDEX	
N	251	371	622	2.2	ALL INTERNATIONAL FLIGHTS
D	110	150	260	0.7	DOMESTIC FLIGHTS ONE WAY
G	143	258	401	2.0	DOMESTIC FLIGHTS RETURN PANTRY

REMARKS:

1- All weights are in kg.

* Refer to "DOW-DOI_Table-A321-200" 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 A321-200	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-JMH	3637	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JMI	3673	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JMJ	3688	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JMK	3738	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JML	3382	89400 kg	N/A	89000 kg	71500 kg	75500 kg
TC-JMM	2916	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JMN	2919	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRA	2823	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRB	2868	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRC	2999	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRD	3015	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRE	3126	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRF	3207	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRG	3283	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRH	3350	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRI	3405	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRJ	3429	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRK	3525	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRL	3539	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRM	4643	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRN	4654	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRO	4682	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRP	4698	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRR	4706	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRS	4761	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRT	4779	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRU	4788	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRV	5077	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRY	5083	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JRZ	5118	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSA	5154	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSB	5205	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSC	5254	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSD	5388	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSE	5450	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSF	5465	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSG	5490	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSH	5546	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSI	5584	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSJ	5633	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSK	5663	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSL	5667	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSM	5689	89400 kg	N/A	89000 kg	73800 kg	77800 kg

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA		C Sheet 4
Cabin Configuration(s) ALL	A/C TYPE A321-200	Carrier TK	

4. LIMITATIONS

4.1. Aircraft Weight Limitations

4.1.1. Maximum weights for: (continued)

Aircraft Reg.	MSN	Ramp/Taxi	Design Take-off Wet	Design Take-off Dry	Zero Fuel	Design Landing
TC-JSN	6508	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSO	6563	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSP	6599	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSR	6652	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSS	6657	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JST	6657	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSU	6709	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSV	6751	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSY	6758	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JSZ	6766	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTA	6781	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTD	6781	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTE	6869	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTF	6987	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTG	6990	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTH	7029	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTI	7089	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTJ	7139	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTK	7146	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTL	7166	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTM	7242	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTN	7274	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTO	7299	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTP	7516	89400 kg	N/A	89000 kg	73800 kg	77800 kg
TC-JTR	7518	89400 kg	N/A	89000 kg	73800 kg	77800 kg

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 .

A321-200 : 500 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 A321-200	Carrier TK

4.2. CG - Limits for Loadsheet Purpose

4.2.1. TAKE-OFF CG - Limits for Loadsheet Purpose

Special condition if applicable		
TAKE-OFF FWD		
Specify applicability	Weight(kg)	Index Value
TC-JRA,....-JRL	45000	34.30
	67506	19.67
	71000	17.77
	80116	27.34
	83000	30.48
	84382	29.93
	89000	28.48
TC-JRM,....-JRZ, -JSA,....-JSM	47500	33.12
	71000	17.85
	83000	30.93
	89000	28.54
TC-JSN,....-JSZ, -JTA,..... -JTP,-JTR	47500	31.03
	52340	27.88
	71000	17.71
	83000	30.31
	89000	28.42
TC-JML	47500	30.69
	71000	17.88
	83000	30.48
	89000	28.59
TC-JMH,-JMI,-JMK,-JMJ, -JMM,-JMN	45000	34.5
	47500	32.67
	61602	23.5
	71000	18.45
	83000	31.05
89000	29.16	

Special condition if applicable		
TAKE-OFF AFT		
Specify applicability	Weight(kg)	Index Value
TC-JRA,....-JRL	45000	45.02
	79000	91.13
	81800	94.93
	89000	91.65
TC-JRM,....-JRZ, -JSA,....-JSM	47500	46.56
	79200	91.30
	81800	94.97
	89000	91.70
TC-JSN,....-JSZ, -JTA,..... -JTP,-JTR	47500	46.57
	79200	91.41
	81800	95.08
	89000	91.81
TC-JML	47500	48.24
	79200	91.23
	81800	94.76
	89000	91.48
TC-JMH,-JMI,-JMK,-JMJ, -JMM,-JMN	45000	42.30
	47500	45.84
	79200	90.67
	81800	94.35
89000	91.07	

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 5
Cabin Configuration(s) ALL	A/C TYPE A321-200	Carrier TK

4.2. CG - Limits for Loadsheet Purpose
4.2.2 ZERO FUEL CG - Limits for Loadsheet Purpose

Special condition if applicable		
ZERO FUEL FWD		
Specify applicability	Weight (kg)	Index Value
TC-JRA,....,-JRL	45000	36.14
	61648	25.32
	62230	25.00
	65704	28.61
	72878	36.42
	73404	36.84
	73800	37.04
TC-JRM,....,-JRZ, -JSA,....,-JSM	47500	34.96
	62294	25.35
	72748	36.74
	73274	37.19
	73800	37.50
TC-JMH,-JMI,-JMJ,-JMK, -JMM,-JMN	45000	36.7
	47500	35.09
	55727	29.16
	62228	25.69
	67488	31.15
	68014	31.62
	68540	31.95
	68791	31.97
	72748	36.28
	73274	36.74
73800	37.04	
TC-JML	47500	33.16
	62202	25.14
	65260	28.43
	65740	28.84
	66220	29.13
	66700	29.32
	67180	19.86
	70540	18.03
	71020	17.80
	71500	18.31
TC-JSN,....,-JSZ, -JTA,..... -JTP,-JTR	47500	32.97
	62228	24.95
	67488	30.41
	68014	30.88
	68540	31.21
	69066	31.4
	71696	33.5
	72748	34.64
	73274	35.1
	73800	35.4

Special condition if applicable		
ZERO FUEL AFT		
Specify applicability	Weight (kg)	Index Value
TC-JRA,....,-JRL	45000	72.80
	57801	81.93
	73800	92.66
TC-JRM,....,-JRZ, -JSA,....,-JSM	47500	74.45
	62096	84.85
	73800	92.71
TC-JMH,-JMI,-JMJ,-JMK, -JMM,-JMN	45000	72.75
	47500	74.43
	73800	92.08
TC-JML	47500	73.37
	71500	90.48
TC-JSN,....,-JSZ, -JTA,..... -JTP,-JTR	47500	74.81
	55999	80.87
	73800	92.82

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 6
Cabin Configuration(s) ALL	A/C TYPE A321-200	Carrier TK

5. EFFECT OF FUEL

Fuel Loading X Fuel Usage
Standard Procedure X Non-standard Procedure

Fuel Wt. (kg)	Fuel Density (Kg/Lt)							
	0.76	0.77	0.78	0.785	0.79	0.80	0.81	0.82
500	-1.09	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08
1000	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11
1500	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68
2000	-2.23	-2.23	-2.23	-2.23	-2.23	-2.23	-2.23	-2.23
2500	-2.74	-2.75	-2.75	-2.75	-2.75	-2.76	-2.76	-2.76
3000	-3.24	-3.24	-3.25	-3.25	-3.25	-3.25	-3.26	-3.26
3500	-3.70	-3.71	-3.72	-3.72	-3.73	-3.73	-3.74	-3.74
4000	-4.15	-4.16	-4.17	-4.17	-4.18	-4.18	-4.19	-4.20
4500	-4.57	-4.58	-4.59	-4.59	-4.60	-4.61	-4.62	-4.63
5000	-4.96	-4.97	-4.99	-4.99	-5.00	-5.01	-5.03	-5.04
5500	-5.33	-5.35	-5.36	-5.37	-5.38	-5.40	-5.42	-5.43
6000	-5.68	-5.70	-5.72	-5.73	-5.74	-5.76	-5.78	-5.80
6500	-6.01	-6.03	-6.06	-6.07	-6.08	-6.10	-6.12	-6.15
7000	-6.29	-6.33	-6.36	-6.38	-6.39	-6.42	-6.45	-6.47
7500	-6.51	-6.57	-6.61	-6.63	-6.65	-6.69	-6.73	-6.76
8000	-6.59	-6.68	-6.75	-6.79	-6.82	-6.88	-6.95	-7.00
8500	-6.51	-6.62	-6.73	-6.79	-6.84	-6.94	-7.03	-7.11
9000	-6.32	-6.46	-6.59	-6.65	-6.71	-6.84	-6.95	-7.06
9500	-6.00	-6.17	-6.33	-6.41	-6.49	-6.64	-6.78	-6.91
10000	-5.55	-5.75	-5.95	-6.05	-6.14	-6.32	-6.49	-6.65
10500	-4.96	-5.20	-5.43	-5.54	-5.65	-5.87	-6.07	-6.27
11000	-4.23	-4.51	-4.78	-4.92	-5.05	-5.29	-5.53	-5.75
11500	-3.32	-3.66	-3.99	-4.14	-4.29	-4.58	-4.86	-5.12
12000	-3.00	-2.87	-3.00	-3.18	-3.36	-3.70	-4.04	-4.35
12500	-3.63	-3.46	-3.30	-3.22	-3.15	-3.01	-3.04	-3.39
13000	-4.34	-4.15	-3.97	-3.88	-3.79	-3.61	-3.45	-3.30
13500	-5.10	-4.89	-4.69	-4.59	-4.50	-4.31	-4.12	-3.94
14000	-5.88	-5.67	-5.46	-5.35	-5.25	-5.04	-4.84	-4.65
14500	-6.66	-6.45	-6.24	-6.14	-6.03	-5.82	-5.61	-5.40
15000	-7.44	-7.23	-7.02	-6.92	-6.81	-6.60	-6.39	-6.18
15500	-8.22	-8.01	-7.80	-7.69	-7.59	-7.38	-7.17	-6.96
16000	-9.00	-8.79	-8.58	-8.47	-8.37	-8.16	-7.95	-7.74
16500	-9.78	-9.57	-9.36	-9.25	-9.15	-8.94	-8.73	-8.52
17000	-10.55	-10.34	-10.14	-10.03	-9.93	-9.71	-9.51	-9.30
17500	-11.34	-11.12	-10.91	-10.81	-10.70	-10.50	-10.29	-10.07
18000	-12.22	-11.95	-11.70	-11.59	-11.48	-11.27	-11.06	-10.86
18500				-12.45	-12.32	-12.07	-11.84	-11.63
19000								-12.43
FULL (index)	-12.22	-12.95	-12.57	-12.65	-12.73	-12.89	-13.05	-13.21
FULL (kg)	18012	18249	18486	18605	18723	18960	19197	19434

REMARK: VOLUMETRIC CAPACITY PER WING IS : 7745 LT
 CENTER TANK'S VOLUMETRIC CAPACITY IS : 8210 LT
 FUEL TANKS' TOTAL VOLUMETRIC CAPACITY IS : 23700 LT

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 = 13.5 kg/minute
 APU Fuel Flow = 130 kg/hour

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 7
Cabin Configuration(s) ALL	A/C TYPE A321-200	Carrier TK

6. CREW

6.1. Number of cockpit crew seats and average location

Location	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
Captain	-	18.032	-	0.01803
1st Officer	-	18.032	-	0.01803
1st Observer	-	17.395	-	0.01740
*2nd Observer	-	17.250	-	0.01725

Remarks: * 2nd Observer seat for only TC-JMH, -JMI, -JMJ, -JMK, -JML, -JMM, -JMN

6.2. Number of cabin crew seats and location

TC-JML,-JRA,...,-JRZ,-JSA,...,-JSM,-JSN, ,-JTP,-JTR

CABIN Crew seats locations	Max. No. of seats	Length of arm from reference station		Index influence	
		+/-	meter(s)	+/-	per 1 kg
FWD	2	-	15.79	-	0.015790
MID	2	-	1.705	-	0.001705
AFT	4	+	15.663	+	0.015663

TC-JMH, -JMI, -JMJ, -JMK

CABIN Crew seats locations	Max. No. of seats	Length of arm from reference station		Index influence	
		+/-	meter(s)	+/-	per 1 kg
FWD	2	-	15.89	-	0.01589
MID	3	-	0.06	-	0.00006
AFT	3	+	15.58	+	0.01558

TC-JMM, -JMN

CABIN Crew seats locations	Max. No. of seats	Length of arm from reference station		Index influence	
		+/-	meter(s)	+/-	per 1 kg
FWD	2	-	15.89	-	0.01589
MID	3	-	3.52	-	0.00352
AFT	3	+	15.57	+	0.01557

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	
2/4	2	4	1	2	1	BULK CARGO COMPT. 5
2/5	2	5	1	2	2	
2/6	2	6	2	2	2	
2/7	2	7	2	2	3	
2/8	2	8	2	2	4	
2/8 *	2	8	2	3	3	

2/8 * : Only for TC-JMH, -JMI, -JMJ, -JMK, -JMM, -JMN

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 8
Cabin Configuration(s) ALL	A/C TYPE A321-200	Carrier TK

7. GALLEY AND PANTRY

7.1. Galleys

	Galley locations				Length of arm from reference station		Index influence	
	JRA,,,JRL JML	JRM,,,JRZ JSA,,,JSM	JSN,,,,JSZ -JTA,,,,-JTP, -JTR	JMH,I,J,K,M,N	+/-	meter(s)	+/-	per 1 kg
F W D		G1		G1	-	16.450	-	0.01645
				G2	-	14.557	-	0.01456
				(G1+G2)	-	15.563	-	0.01556
					-	16.470	-	0.01647
					-	14.760	-	0.01476
					-	15.835	-	0.01584
			G1		-	16.904	-	0.01690
A F T	G1				-	16.434	-	0.01643
	G2A				-	14.760	-	0.01476
	(G1+G2A)				-	15.977	-	0.01598
			G5					
				G5				
			G4					
			G5					
		(G4+G5)						
		(G4+G5)						

Remarks: "“FWD”, "AFT" average Galley locations can be used for simplicity

7.2 Pantry Weight / Pantry Code

Pantry Weight / Pantry Code table 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.

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 9
Cabin Configuration(s)	A/C TYPE A321-200	Carrier TK

8. PASSENGER CABIN

8.1. Passenger Seats

8.1.1 Passenger Seats (TC-JRA,...,-JRL,-JML)

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	

CABIN CONFIGURATION 194Y				
OA		48		48
OB		52		52
OC		46		46
OD		48		48
Total per class		194		

CABIN CONFIGURATION 16C / 170Y				
OA	16	24		40
OB		52		52
OC		46		46
OD		48		48
Total per class	16	170		

CABIN CONFIGURATION 24C / 158Y				
OA	24	12		36
OB		52		52
OC		46		46
OD		48		48
Total per class	24	158		

CABIN CONFIGURATION 32C / 146Y				
OA	32			32
OB		52		52
OC		46		46
OD		48		48
Total per class	32	146		

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

CABIN CONFIGURATION 12C / 176Y				
OA	12	30		42
OB		52		52
OC		46		46
OD		48		48
Total per class	12	176		

CABIN CONFIGURATION 20C / 164Y				
OA	20	18		38
OB		52		52
OC		46		46
OD		48		48
Total per class	20	164		

CABIN CONFIGURATION 28C / 152Y				
OA	28	6		34
OB		52		52
OC		46		46
OD		48		48
Total per class	28	152		

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 9
Cabin Configuration(s)	A/C TYPE A321-200	Carrier TK

8.1.2 Passenger Seats (TC-JMH,-JMI,-JMJ,-JMK,-JMM-JMN)

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	
CABIN CONFIGURATION 20C/158Y				
OA	20			20
OB		80		80
OC		78		78
Total per class	20	158		

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

8.1.3 Passenger Seats (TC-JRM,,-JRZ,-JSA,,-JSM)

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	
CABIN CONFIGURATION 180Y				
OA		16		16
OB		52		52
OC		58		58
OD		54		54
Total per class		180		

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 16C/164Y				
OA	16			16
OB		52		52
OC		58		58
OD		54		54
Total per class	16	164		

8.1.4 Passenger Seats (TC-JSN,-JSO,-JSP,-JSR,-JSS,-JST,,-JTP,-JTR)

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	
CABIN CONFIGURATION 178Y				
OA		20		20
OB		52		52
OC		52		52
OD		54		54
Total per class		178		

Name of cabin section	NUMBER OF SEATS			Total per cabin section
	Class 1	Class 2	Class 3	
CABIN CONFIGURATION 20C/158Y				
OA	20			20
OB		52		52
OC		52		52
OD		54		54
Total per class	20	158		

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 9
Cabin Configuration(s)	A/C TYPE	Carrier
ALL	A321-200	TK

8.2 Class/Cabin Sections

TC-JRA ,...,-JRL

Class / Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
OA	-	10.809	-	0.01081
OB	-	3.137	-	0.00314
OC	+	3.420	+	0.00342
OD	+	9.995	+	0.01000

TC-JMH,-JMI,-JMJ,-JMK,-JMM-JMN

Class / Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
OA	-	10.554	-	0.01055
OB	-	1.285	-	0.00129
OC	+	9.534	+	0.00953

TC-JML

Class / Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
OA	-	10.718	-	0.01072
OB	-	3.458	-	0.00346
OC	+	2.605	+	0.00260
OD	+	9.625	+	0.00963

TC-JRM ,...,-JRZ,-JSA,...,-JSM

Class / Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
OA	-	11.973	-	0.01197
OB	-	5.276	-	0.00528
OC	+	2.434	+	0.00243
OD	+	10.231	+	0.01023

TC-JSN,...,-JSZ,-JTA,...,-JTP,-JTR

Class /Cabin Section	Length of arm from reference station		Index influence	
	+/-	meter(s)	+/-	per 1 kg
OA	-	11.570	-	0.01157
OB	-	4.355	-	0.00435
OC	+	2.875	+	0.00287
OD	+	10.218	+	0.01022

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 10
	A/C TYPE A321-200	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-JRA,B,C,D,E,F,G,H,I,J,K,L	A321-200	TK

8.3.1 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Index Influence per Seat-Row per 1kg	Rows from-to:	CABIN CONFIGURATION 194Y						Rows from-to:	CABIN CONFIGURATION 12C / 176Y							
				A	B	C	D	E	F		A	B	C	D	E	F		
A	1	-0.01376	1	NI	N	NB	.	NB	N	NI	1	NI	V	NB	.	NB	V	NI
	2	-0.01290	2-8	IN	N	N	.	N	N	IN	2-3	NI	V	N	.	N	V	NI
	3	-0.01206	9	Y	NE	NE	.	NE	NE	Y	4-8	IN	N	N	.	N	N	IN
	4	-0.01123	10	NE	N	N	.	N	N	NE	9	Y	NE	NE	.	NE	NE	Y
	5	-0.01039	11-21	IN	N	N	.	N	N	IN	10	NE	NE	NE	.	NE	NE	NE
	6	-0.00955	22	Y	N	N	.	N	N	Y	11-21	IN	N	N	.	N	N	IN
	7	-0.00871	23	NE	NE	NE	.	NE	NE	NE	22	Y	N	N	.	N	N	Y
	8	-0.00787	24-33	NI	NI	NI	.	NI	NI	NI	23	NE	NE	NE	.	NE	NE	NE
B	9	-0.00631								24-33	NI	NI	NI	.	NI	NI	NI	
	10	-0.00555																
	11	-0.00477		CABIN CONFIGURATION 16C / 170Y							CABIN CONFIGURATION 20C / 164Y							
	12	-0.00401	1	NI	V	NB	.	NB	V	NI	1	NI	V	NB	.	NB	V	NI
	13	-0.00325	2-4	NI	V	N	.	N	V	NI	2-5	NI	V	N	.	N	V	NI
	14	-0.00249	5-8	NI	N	N	.	N	N	NI	6-8	NI	N	N	.	N	N	NI
	15	-0.00173	9	Y	NE	NE	.	NE	NE	Y	9	Y	NE	NE	.	NE	NE	Y
	16	-0.00096	10	NE	NE	NE	.	NE	NE	NE	10	NE	NE	NE	.	NE	NE	NE
C	17	-0.00020	11-21	IN	N	N	.	N	N	IN	11-21	IN	N	N	.	N	N	IN
	18	0.00056	22	Y	N	N	.	N	N	Y	22	Y	N	N	.	N	N	Y
	19	0.00132	23	NE	NE	NE	.	NE	NE	NE	23	NE	NE	NE	.	NE	NE	NE
	20	0.00208	24-33	NI	NI	NI	.	NI	NI	NI	24-33	NI	NI	NI	.	NI	NI	NI
	21	0.00285																
	22	0.00361		CABIN CONFIGURATION 24C / 158Y							CABIN CONFIGURATION 28C / 152Y							
	23	0.00486	1	NI	V	NB	.	NB	V	NI	1	NI	V	NB	.	NB	V	NI
	24	0.00566	2-6	NI	V	N	.	N	V	NI	2-7	NI	V	N	.	N	V	NI
D	25	0.00645	7-8	NI	N	N	.	N	N	NI	8	NI	N	N	.	N	N	NI
	26	0.00724	9	Y	NE	NE	.	NE	NE	Y	9	Y	NE	NE	.	NE	NE	Y
	27	0.00803	10	NE	NE	NE	.	NE	NE	NE	10	NE	NE	NE	.	NE	NE	NE
	28	0.00881	11-21	IN	N	N	.	N	N	IN	11-21	IN	N	N	.	N	N	IN
	29	0.00960	22	Y	N	N	.	N	N	Y	22	Y	N	N	.	N	N	Y
	30	0.01039	23	NE	NE	NE	.	NE	NE	NE	23	NE	NE	NE	.	NE	NE	NE
	31	0.01118	24-33	NI	NI	NI	.	NI	NI	NI	24-33	NI	NI	NI	.	NI	NI	NI
	32	0.01196																
33	0.01275		CABIN CONFIGURATION 32C / 146Y															
			1	NI	V	NB	.	NB	V	NI								
			2-8	NI	V	N	.	N	V	NI								
			9	Y	NE	NE	.	NE	NE	Y								
			10	NE	NE	NE	.	NE	NE	NE								
			11-21	IN	N	N	.	N	N	IN								
			22	Y	N	N	.	N	N	Y								
			23	NE	NE	NE	.	NE	NE	NE								
			24-33	NI	NI	NI	.	NI	NI	NI								

MOVABLE CLASS DIVIDER is shown as :

THE AISLE is shown as : . | .

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 11
Cabin Configuration(s) TC-JMH,-JMI,-JMJ,-JMK	A/C TYPE A321-200	Carrier TK

8.3.2 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Index Influence per Seat-Row per 1kg	Rows from-to:	CABIN CONFIGURATION 20C/158Y							
				A		C		D	F		
A	1	-0.01299	1	NBI	Y	N	.	N	Y	NBI	
	2	-0.01177	2-5	NI	Y	N	.	N	Y	NI	
	3	-0.01055		A	B	C		D	E	F	
	4	-0.00934	6	Y	NE	NE	.	NE	NE	Y	
	5	-0.00812	7	NE	N	N	.	N	N	NE	
B	6	-0.00623	8-18	NI	N	N	.	N	N	NI	
	7	-0.00548	19	Y	N	N		N	N	Y	
	8	-0.00472	20	NE	NE	NE	.	NE	NE	NE	
	9	-0.00395	21-32	NI	N	N	.	N	N	NI	
	10	-0.00319									
	11	-0.00243									
	12	-0.00167									
	13	-0.00091									
	14	-0.00014									
	15	+0.00062									
	16	+0.00138									
	17	+0.00214									
	18	+0.00290									
	19	+0.00367									
	C	20	+0.00496								
		21	+0.00572								
		22	+0.00649								
23		+0.00725									
24		+0.00801									
25		+0.00877									
26		+0.00953									
27		+0.01030									
28		+0.01106									
29		+0.01182									
30		+0.01258									
31		+0.01334									
32		+0.01411									

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) TC-JML	A/C TYPE A321-200	Carrier TK

8.3.3 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Index Influence per Seat-Row per1kg	Rows from-to:	CABIN CONFIGURATION 194Y						Rows from-to:	CABIN CONFIGURATION 12C / 176Y							
				A	B	C		D	E		F	A	B	C		D	E	F
A	1	-0.01363	1	NI	N	NB	.	NB	N	NI	1	NI	V	NB	.	NB	V	NI
	2	-0.01279	2-8	IN	N	N	.	N	N	IN	2-3	NI	V	N	.	N	V	NI
	3	-0.01196	9	Y	NE	NE	.	NE	NE	Y	4-8	IN	N	N	.	N	N	IN
	4	-0.01112	10	NE	N	N	.	N	N	NE	9	Y	NE	NE	.	NE	NE	Y
	5	-0.01028	11-21	IN	N	N	.	N	N	IN	10	NE	NE	NE	.	NE	NE	NE
	6	-0.00947	22	Y	N	N	.	N	N	Y	11-21	IN	N	N	.	N	N	IN
	7	-0.00865	23	NE	NE	NE	.	NE	NE	NE	22	Y	N	N	.	N	N	Y
	8	-0.00784	24-33	NI	NI	NI	.	NI	NI	NI	23	NE	NE	NE	.	NE	NE	NE
B	9	-0.00624								24-33	NI	NI	NI	.	NI	NI	NI	
	10	-0.00548																
	11	-0.00472		CABIN CONFIGURATION 16C / 170Y							CABIN CONFIGURATION 20C / 164Y							
	12	-0.00396	1	NI	V	NB	.	NB	V	NI	1	NI	V	NB	.	NB	V	NI
	13	-0.00319	2-4	NI	V	N	.	N	V	NI	2-5	NI	V	N	.	N	V	NI
	14	-0.00243	5-8	NI	N	N	.	N	N	NI	6-8	NI	N	N	.	N	N	NI
	15	-0.00167	9	Y	NE	NE	.	NE	NE	Y	9	Y	NE	NE	.	NE	NE	Y
	16	-0.00091	10	NE	NE	NE	.	NE	NE	NE	10	NE	NE	NE	.	NE	NE	NE
C	17	-0.00015	11-21	IN	N	N	.	N	N	IN	11-21	IN	N	N	.	N	N	IN
	18	0.00062	22	Y	N	N	.	N	N	Y	22	Y	N	N	.	N	N	Y
	19	0.00138	23	NE	NE	NE	.	NE	NE	NE	23	NE	NE	NE	.	NE	NE	NE
	20	0.00214	24-33	NI	NI	NI	.	NI	NI	NI	24-33	NI	NI	NI	.	NI	NI	NI
	21	0.00290																
	22	0.00366		CABIN CONFIGURATION 24C / 158Y							CABIN CONFIGURATION 28C / 152Y							
	23	0.00493	1	NI	V	NB	.	NB	V	NI	1	NI	V	NB	.	NB	V	NI
	24	0.00570	2-6	NI	V	N	.	N	V	NI	2-7	NI	V	N	.	N	V	NI
D	25	0.00648	7-8	NI	N	N	.	N	N	NI	8	NI	N	N	.	N	N	NI
	26	0.00727	9	Y	NE	NE	.	NE	NE	Y	9	Y	NE	NE	.	NE	NE	Y
	27	0.00806	10	NE	NE	NE	.	NE	NE	NE	10	NE	NE	NE	.	NE	NE	NE
	28	0.00885	11-21	IN	N	N	.	N	N	IN	11-21	IN	N	N	.	N	N	IN
	29	0.00963	22	Y	N	N	.	N	N	Y	22	Y	N	N	.	N	N	Y
	30	0.01042	23	NE	NE	NE	.	NE	NE	NE	23	NE	NE	NE	.	NE	NE	NE
	31	0.01121	24-33	NI	NI	NI	.	NI	NI	NI	24-33	NI	NI	NI	.	NI	NI	NI
	32	0.01197																
33	0.01273		CABIN CONFIGURATION 32C / 146Y															
			1	NI	V	NB	.	NB	V	NI								
			2-8	NI	V	N	.	N	V	NI								
			9	Y	NE	NE	.	NE	NE	Y								
			10	NE	NE	NE	.	NE	NE	NE								
			11-21	IN	N	N	.	N	N	IN								
			22	Y	N	N	.	N	N	Y								
			23	NE	NE	NE	.	NE	NE	NE								
			24-33	NI	NI	NI	.	NI	NI	NI								

MOVABLE CLASS DIVIDER is shown as :

THE AISLE is shown as : . |

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 11
Cabin Configuration(s) TC-JMM,-JMN	A/C TYPE A321-200	Carrier TK

8.3.5 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Index Influence per Seat-Row per1kg	Rows from-to:	CABIN CONFIGURATION 20C/158Y							
				A		C		D	F		
A	1	-0.01296	1	NBI	Y	N	.	N	Y	NBI	
	2	-0.01175	2-5	NI	Y	N	.	N	Y	NI	
	3	-0.01054		A	B	C		D	E	F	
	4	-0.00934	6	Y	NE	NE	.	NE	NE	Y	
	5	-0.00813	7-18	NI	N	N	.	N	N	NI	
B	6	-0.00627	19	Y	N	N		N	N	Y	
	7	-0.00548	20	NE	NE	NE	.	NE	NE	NE	
	8	-0.00472	21-32	NI	N	N	.	N	N	NI	
	9	-0.00395									
	10	-0.00319									
	11	-0.00243									
	12	-0.00167									
	13	-0.00091									
	14	-0.00014									
	15	0.00062									
	16	0.00138									
	17	0.00214									
	18	0.0029									
	19	0.00363									
	C	20	0.00496								
		21	0.00572								
		22	0.00649								
23		0.00725									
24		0.00801									
25		0.00877									
26		0.00953									
27		0.01030									
28		0.01106									
29		0.01182									
30		0.01258									
31		0.01334									
32		0.01411									

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-JRM,N,O,P,R,S,T,U,V,Y,Z, TC-JSA,B,C,D,E,F,G,H,I,J,K,L,M	A321-200	TK

8.3.7 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Index Influence per Seat-Row per1kg	Rows from-to:	CABIN CONFIGURATION 180Y							Rows from-to:	CABIN CONFIGURATION 16C/164Y						
				A	B	C		D	E	F		A	B	C		D	E	F
A	1	-0.01369	1	NBI	N	Y	.	Y	N	NBI	1	NBI	N	Y	.	Y	N	NBI
	2	-0.01254	2-4	NI	N	Y	.	Y	N	NI	2-4	NI	N	Y	.	Y	N	NI
	3	-0.01140	5-6	NI	N	N	.	N	N	NI	5-6	NI	N	N	.	N	N	NI
	4	-0.01026	7	Y	NE	NE	.	NE	NE	Y	7	Y	NE	NE	.	NE	NE	Y
B	5	-0.00886	8	NE	NE	NE	.	NE	NE	NE	8	NE	NE	NE	.	NE	NE	NE
	6	-0.00807	9-19	NI	N	N	.	N	N	NI	9-19	NI	N	N	.	N	N	NI
	7	-0.00726	20	Y	NE	NE	.	NE	NE	Y	20	Y	NE	NE	.	NE	NE	Y
	8	-0.00596	21	NE	NE	NE	.	NE	NE	NE	21	NE	NE	NE	.	NE	NE	NE
	9	-0.00517	22-32	NI	N	N	.	N	N	NI	22-32	NI	N	N	.	N	N	NI
	10	-0.00439																
	11	-0.00360																
	12	-0.00281																
	13	-0.00202																
	C	14	-0.00124															
15		-0.00045																
16		+0.00034																
17		+0.00112																
18		+0.00191																
19		+0.00270																
20		+0.00353																
21		+0.00483																
22		+0.00560																
23		+0.00636																
D	24	+0.00713																
	25	+0.00791																
	26	+0.00868																
	27	+0.00946																
	28	+0.01023																
	29	+0.01101																
	30	+0.01178																
	31	+0.01256																
	32	+0.01333																

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) TC-JSN,....-JSZ,-JTA,...., -JTP,-JTR	A/C TYPE A321-200	Carrier TK

8.3.7 Seatplan Layout / Facilities and Row Index Influence

SECTION	ROW NO	Index Influence per Seat-Row per1kg	Rows from-to:	CABIN CONFIGURATION 178Y							Rows from-to:	CABIN CONFIGURATION 20C/158Y						
				A	B	C		D	E	F		A	B	C		D	E	F
A	1	-0.01376	1	NBI	N	Y	.	Y	N	NBI	1	NBI	N	Y	.	Y	N	NBI
	2	-0.01266	2-5	NI	N	Y	.	Y	N	NI	2-5	NI	N	Y	.	Y	N	NI
	3	-0.01157	6	NI	N	N	.	N	N	NI	6	NI	N	N	.	N	N	NI
	4	-0.01048	7	Y	NE	NE	.	NE	NE	Y	7	Y	NE	NE	.	NE	NE	Y
	5	-0.00939	8	NE	NE	NE	.	NE	NE	NE	8	NE	NE	NE	.	NE	NE	NE
	6	-0.00799	9-19	NI	N	N	.	N	N	NI	9-19	NI	N	N	.	N	N	NI
	7	-0.00720	20	Y	NE	NE	.	NE	NE	Y	20	Y	NE	NE	.	NE	NE	Y
	8	-0.00593	21	NE	NE	NE	.	NE	NE	NE	21	NE	NE	NE	.	NE	NE	NE
	9	-0.00514	22-32	NI	N	N	.	N	N	NI	22-32	NI	N	N	.	N	N	NI
B	10	-0.00435																
	11	-0.00357																
	12	-0.00278																
	13	-0.00199																
	14	-0.00120																
C	15	-0.00042																
	16	+0.00037																
	17	+0.00116																
	18	+0.00195																
	19	+0.00273																
	20	+0.00352																
	21	+0.00482																
	22	+0.00559																
	23	+0.00637																
D	24	+0.00714																
	25	+0.00792																
	26	+0.00869																
	27	+0.00946																
	28	+0.01023																
	29	+0.01099																
	30	+0.01175																
	31	+0.01251																
	32	+0.01327																

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	A321-200	
ALL			
		Carrier TK	

9. DETAILS FOR COMPARTMENT TRIM

TC-JRA,,-JRZ,-JSA,,-JSZ, -JTA,,-JTP,-JTR

COMPARTMENT		MAXIMUM CAPACITY				Length of arm from Ref. Sta.(m)	Index influence	
NUMBER	DESCRIPTION	CLS(ULD) Loading	Full BULK Loading	Hold TOTAL GROSS WEIGHT (kg)	VOLUME* (m ³)		+/-	per 1 kg
1	FWD CARGO HOLD	2268	2202	1 + 2 : 5670	8.860	-11.554	-	0.011554
2	FWD CARGO HOLD	3402	3468		13.950	-7.620	-	0.007620
3	AFT CARGO HOLD	3402	3587	3 + 4 : 5670	14.147	5.894	+	0.005894
4	AFT CARGO HOLD	2268	2083		8.108	9.954	+	0.009955
5	REAR / BULK CargoHold	1497		1497	5.880	13.205	+	0.013205

TC-JMH,-JMI,-JMJ,-JMK,-JML,-JMM,-JMN

COMPARTMENT			MAXIMUM CAPACITY		Length of arm from Ref. Sta.(m)	Index influence	
NUMBER	DESCRIPTION		GROSS WEIGHT (kg)	VOLUME* (m ³)		+/-	per 1 kg
1	FWD CARGO HOLD	Bulk Loading	2202	8.865	-11.460	-	0.01146
2	FWD CARGO HOLD	Bulk Loading	3468	13.954	-7.550	-	0.00755
3	AFT CARGO HOLD	Bulk Loading	3587	14.555	5.880	+	0.00588
4	AFT CARGO HOLD	Bulk Loading	2083	8.472	10.07	+	0.01007
5	REAR / BULK CargoHold	Bulk Loading	1497	5.880	13.15	+	0.01315

REMARKS : FOR TC-JMJ, -JMH, -JMI, -JMK, -JML, -JMM, -JMN
ONLY FULL BULK LOADING IS ALLOWED IN COMPARTMENTS 1, 2, 3 and 4

Remarks:

* : Volume information is given only for Bulk compartments / Bulk loading

9.1 Combined Load Limitations: N/A

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA		C Sheet 13
Cabin Configuration(s)	A/C TYPE		Carrier
ALL	A321-200		TK

10. DETAILS FOR BAY / SECTION TRIM

TC-JRA,....,-JRZ,-JSA,....,-JSZ,-JTA,.....-JTP,-JTR

	BAY / SECTION	MAX. CAPACITY		Length of arm from Ref. Sta.	Index influence	
		GROSS WEIGHT (kg)	VOLUME (M ³)		+/-	per 1 kg
11	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		-12.417	-	0.012417
12	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		-10.845	-	0.010845
21	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		-9.273	-	0.009273
22	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		-7.701	-	0.007701
23	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		-6.129	-	0.006129
31	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		4.328	+	0.004328
32	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		5.900	+	0.005900
33	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		7.472	+	0.007472
41	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		9.044	+	0.009044
42	ULD : LD3-46(AKG),LD3-46W(AKH),LD3-46R(AKJ),LD3-46P	1134		10.616	+	0.010616
51	Rear BULK cargo hold section	374	1.46	11.846	+	0.011846
52	Rear BULK cargo hold section	353	1.38	12.647	+	0.012647
53	Rear BULK cargo hold section	770	3.04	14.006	+	0.014006

TC-JMH,-JMI,-JMJ,-JMK,-JML,-JMM,-JMN ,
TC-JRA,....,-JRZ,-JSA,....,-JSZ,-JTA,.....-JTM, -JTP, -JTR

	BAY / SECTION	MAX. CAPACITY		Length of arm from Ref. Sta.	Index influence	
		GROSS WEIGHT (kg)	VOLUME (M ³)		+/-	per 1 kg
11	Full Bulk Loading Only	1013	4.09	-12.373	-	0.012373
12	Full Bulk Loading Only	1189	4.775	-10.684	-	0.010684
21	Full Bulk Loading Only	1189	4.775	-9.083	-	0.009083
22	Full Bulk Loading Only	1189	4.775	-7.483	-	0.007483
23	Full Bulk Loading Only	1090	4.404	-5.945	-	0.005945
31	Full Bulk Loading Only	1289	5.094	4.302	+	0.004302
32	Full Bulk Loading Only	1177	4.775	5.979	+	0.005979
33	Full Bulk Loading Only	1121	4.547	7.579	+	0.007579
41	Full Bulk Loading Only	919	3.726	9.179	+	0.009179
42	Full Bulk Loading Only	1164	4.746	10.779	+	0.010779
51	Rear Bulk cargo hold section	374	1.46	11.846	+	0.011846
52	Rear Bulk cargo hold section	353	1.38	12.647	+	0.012647
53	Rear Bulk cargo hold section	770	3.04	14.006	+	0.014006

LOADING OPTIONS (SUMMARY) :

A/C Registration	Full Bulk Loading	CLS(ULD) Loading
TC-JMH,-JMI,-JMJ,-JMK,-JML,-JMM,-JMN	YES	NO
TC-JRA,....,-JRZ,-JSA,....,-JSM,-JSN,.....-JTP,-JTR	YES	YES

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	C Sheet 14
	A/C TYPE A321-200	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 A321-200	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
45000	40.00
52000	50.00
71500*	70.00
73800	73.00

*only applicable to TC-JML

EDP-SYSTEM SEMI-PERMANENT DATA	AIRCRAFT DATA	D Sheet 2
	A/C TYPE A321-200	Carrier TK

2. UNIT LOAD DEVICES DETAILS

Type Code	Tare weight	Maximum Capacity		Remarks
		Gross Weight	VOLUME (M ³)	
AKG	86	1134	3.11	60.4x61.5 in.half-size container LD3-46, LD3-45
AKH	86	1134	3.68	60.4x61.5 in. Full size container LD3-46W, LD3-45W
AKJ	86	1134	2.55	60.4x61.5 in. Rectangular container LD3-46R, LD3-45R
PKC	40	1134	2.55	60.4x61.5 in. size pallet LD3-46P, LD3-45P

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 A321-200	Carrier TK

3. SPECIAL LOAD

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