

B737-700



Compartments

Sliding Carpet:

In an effort to improve the working environment of the loading personnel and to facilitate the loading of baggage, cargo and mail, a sliding carpet loading system is installed in compartments according to the table below.

	Compartment			
Aircraft type	1	2	3	4
B737-700	-	-	Installed	-

No HEA, AVI or any dangerous goods may be loaded in a compartment with sliding carpet.

To fulfil requirements for items weighing up to 149 kg that need to be secured, any one-carpet area must be loaded volumetrically full.

Air Cushion Pallet:

On some aircraft there is a loading device called air cushion pallet in the forward hold. It is used to move heavy items within the hold. It also Works as a supporting platform.

The maximum permitted load when the pallet is used on B737 aircraft is 544 kg.

Maximum weights and volumes:

This table shows the maximum weights and volumes per compartment 1, 2, 3 and 4:

Version 7375 and 7379 With sliding carpet	Compartment			
	1	2	3	4
Weight (kg)	888	1118	2238 (1)	763
Combined weight (kg)	2206		3001 (2)	
Area load (kg/m ²)	732	732	732	732
Volume (m ³)	4.39	6.54	11.2 (1)	4.25

Version 7372 and 7373 Without sliding carpet	Compartment			
	1	2	3	4
Weight (kg)	888	1118	2238	763
Combined weight (kg)	2006		3001 (3)	
Area load (kg/m2)	732	732	732	732
Volume (m3)	4.39	6.54	11.2 (1)	4.25

Note: Max weight capacity for LN-TUA deviates from the rest of the aircraft. Max weight for cpt 1 is 991 kg and cpt 4 is 867 kg.

Version 7377 and 7378 Without sliding carpet	Compartment			
	1	2	3	4
Weight (kg)	814	1021	2238	763
Combined weight (kg)	2006		3001 (2)	
Area load (kg/m2)	732	732	732	732
Volume (m3)	4.3	6.5	11.2 (1)	4.25

Note 1:

Max weight capacity for SE-RJU and – REY deviates from the rest of the aircraft.

Note 2:

(1) Max. allowable weight without sliding carpet installed in compartment 3, is 2409 kg. Volume is then 12.1 m3.

(2) Combined weight capacity of compartment 3 and 4 without sliding carpet installed in compartment 3, is 3172 kg.

(3) Combined weight capacity of compartment 3 and 4 without sliding carpet installed in compartment 3, is 3272 kg.

Maximum dimension tables:

Compartment 1 + 2

Height	Length								
	86	314	289	264	238	213	187	162	137
81	314	289	264	238	213	187	162	137	127
76	314	289	264	238	213	187	162	137	127
71	314	289	264	238	213	187	162	137	127
66	314	289	264	238	213	187	162	137	127
60	314	289	264	238	213	187	162	137	127
55	314	289	264	238	213	187	162	137	127
50	317	289	264	238	213	187	162	137	127
45	317	289	264	238	213	187	162	137	127
40	320	289	264	238	213	187	162	137	127
35	322	289	264	238	213	187	162	137	127
30	327	292	264	238	213	187	162	137	127
25	332	294	264	238	213	187	162	137	127
12	358	304	266	238	213	187	162	137	127
	12	25	38	50	63	76	88	101	114
	Width								

Compartment 3

Height	Length								
86	177	152	-	-	-	-	-	-	-
81	251	226	200	177	152	124	-	-	-
78	307	284	259	233	208	182	157	132	109
76	307	284	259	233	208	182	157	132	109
71	307	284	259	233	208	182	157	132	109
66	307	284	259	233	208	182	157	132	109
60	307	284	259	233	208	182	157	132	109
55	307	284	259	233	208	182	157	132	109
50	307	284	259	233	208	182	157	132	109
45	307	284	259	233	208	182	157	132	109
40	307	284	259	233	208	182	157	132	109
35	307	284	259	233	208	182	157	132	109
30	307	287	259	233	208	182	157	132	109
25	307	297	261	233	208	182	157	132	109
12	307	307	274	233	208	182	157	132	109
	12	25	38	50	63	76	88	101	114
	Width								

Air conditioning system:

Compartment	Description
1 and 2	The temperature inside the compartments is thermostatically controlled for heating only. Typical in-flight temperatures vary between 15 and 30 degrees centigrade (C°). Both compartments are incorporated in the pressurization system, but the ventilation is very poor.
3 and 4	The compartments usually maintain a temperature of 0 degree centigrade (C°) or slightly higher. Both compartments are incorporated in the pressurization system, but the ventilation is very poor.

Restrictions

Dangerous Goods

Dry Ice: Maximum amount in Compartment.

		Maximum amount of ICE per compartment			
A/C version	Maximum amount of ICE per A/C	1	2	3	4
B737-700	300	300	300	300	300

Note: Not to be loaded in the same hold as Live Animals (AVI).

Radioactive Materials: Maximum Transport Index (TI)

A/C version	Max TI pr. aircraft	Max TI pr. package (or Group of packages)	Max TI pr. Compartment			
			1	2	3	4
B737-700	9	See note below	2	3	4	0

Note: The maximum allowed TI per package (or group of packages), is depending on the height of the package (or group of packages).

Radioactive Materials: Maximum Package/Group Height and Separation Distance

The below table shows:

- The maximum allowed height per package (or group of packages).
- The minimum separation distance (horizontally) between packages (or groups of packages).

Note: Use the column for Minimum separation distance when:

- the package/group height, or
- the Transport Index (TI)

exceeds the permitted values for grouping packages together.

Transport Index (TI) per package (or group of packages)	Max. height per package (or group of packages) (cm)	Min. separation distance horizontally (cm)	Category
0.0	No restriction	No restriction	I – White (RRW)
0.0–1.0	77	100	II – Yellow (RRY)
1.1–2.0	57	150	III – Yellow (RRY)
2.1–3.0	37	210	III – Yellow (RRY)
More than 3	Not allowed	Not allowed	III – Yellow (RRY)

Heavy

The maximum weight for HEA onboard a B737 is 544 kg due to lashing capacities. The below table is a function of the number of tie down points and running load limit.

Max. Weight per HEA in Compartments				
Aircraft type	Cpt 1	Cpt 2	Cpt 3	Cpt 4
B737-700	360 kg	544 kg	Embargo	Embargo

Human Remains

No aircraft restrictions other than maximum dimensions, area load and maximum load in hold, but always check SIRIUS for current restrictions on origin, destination and possible embargoes.

Live Animals

SAS has two animal codes that differ from the IATA standard.

AVC – Crustaceans
 AVF - Aquatics and live fish

Note: Crustaceans, aquatics and live fish can be secured by volumetrically filling the compartment. **AVC and AVF can be loaded together with EAT, AVF can be loaded together with ICE.**

Most live animal shipments must be treated as wet cargo. Therefore, plastic sheeting or tarpaulin must be placed under live animal containers in order to avoid soilage of aircraft holds, ULD's and other load

Isolation from Cold Transfer Beneath Animal Cages

Loaded animal cages need to be insulated from cold transfer, as the aircraft does not have heated floors in the cargo compartments. Insulation can be made by various methods, such as: Spreader boards under the cage; insulating material, blankets etc.

Note: *If the insulating material also can absorb fluids, the LAR requirement to have plastic under the boxes or cages can be ignored.*

Group	Animal, Example	Maximum qty in compartment (kg)	
		1 + 2	3 + 4
1	Tropical fish, fish	No limit	No limit
2	Shrimps, reptiles, snakes, crabs, frogs, oysters	No limit	No limit
3	Cats, dogs, other pets	See note ¹	
4	Other animals	200	n/a

Note [1]

Number of Animal Cages	Flight Time: Less than 2 hours	Flight Time: 2 hours and Above
	1	Plan the crate in CPT 1. no other load allowed in CPT 1.
2 or more	Plan one in CPT 1, no other load allowed in CPT 1. Plan the second crate in CPT 2* or 4**.	Plan one in CPT 1, no other load allowed in CPT 1. Plan the second crate in CPT 2*.

* Any other load in CPT 2 needs to be tied down.

** Compartment 4 may only be used, if no other option is available. CPT 4 shall in that case only contain the animal crate.

Live Human Organs

Live Human Organs (LHO) shall be loaded in compartment 2, as close as possible to the cargo door.

STOOG, in coordination with STOOG and STOG3, may grant an exception to stow LHO in cabin.

Restriction: Separate from Radioactive materials by at least 0,5 meters.

Perishables

No aircraft restrictions other than maximum dimensions, area load and maximum load in hold, but always check SIRIUS for current restrictions on origin, destination and possible embargoes.

Sensitive

No aircraft restrictions other than maximum dimensions, area load and maximum load in hold, but always check SIRIUS for current restrictions on origin, destination and possible embargoes.

Valuable

No aircraft restrictions other than maximum dimensions, area load and maximum load in hold, but always check SIRIUS for current restrictions on origin, destination and possible embargoes.

Vulnerable

No aircraft restrictions other than maximum dimensions, area load and maximum load in hold, but always check SIRIUS for current restrictions on origin, destination and possible embargoes.

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