

A321



**Compartments:**

Maximum weights and volumes:

This table shows the maximum weights and volumes per compartment 1, 3, 4 and 5:

Note: NA indicates that volume figure is not given.

	Compartment				
	1	2	3	4	5
Weight (kg)	2268	3402	3402	2268	1497
Combined weight (kg)	5670		5670		
Area load (kg/m <sup>2</sup> )	488 *	488 *	488 *	488 *	732
Volume (m <sup>3</sup> )	NA	NA	NA	NA	5.8

\* For ULD configured aircrafts please see [Load support on ULD's](#)

Maximum dimension tables:

Compartment 5

Items with a height between 65 cm and 85 cm can be loaded via compartment 4.

Height	Length								
<b>65</b>	270	254	241	229	217	208	202	198	193
<b>60</b>	290	273	259	247	234	224	217	211	208
<b>50</b>	311	309	291	281	271	257	242	231	228
<b>40</b>	319	315	311	301	290	282	262	248	243
<b>30</b>	323	321	317	314	304	295	278	260	254
<b>20</b>	323	323	321	318	315	307	296	273	265
<b>10</b>	323	323	321	318	316	310	303	277	268
	10	20	30	40	50	60	70	80	85
	Width								

Air conditioning system:

The lower compartments are incorporated in the same pressure system as the passenger cabin and are ventilated and heated only to a certain extent for transportation of live animals.

**Restrictions**

Dangerous Goods

Dry Ice: Maximum amount in Compartment.

		Maximum amount of ICE per compartment Combined weight			
A/C version	Maximum amount of ICE per A/C	1	1 + 2	4 + 5	3 + 4 + 5
A321	100 kg	-	50 kg	-	50 kg

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

For A321 compartment 3-5 is the same hold, therefore AVI cannot be loaded in Cpt 5 if there is ICE in Cpt 3, 4 or 5.

Radioactive Materials: Maximum Transport Index (TI)

		Max TI pr. Compartment				
A/C version	Max TI pr. aircraft	Max TI pr. package (or Group of packages)				
		1	2	3	4	5
A321	17	See note and table below				
		4	4	4	4	1

**Note 1:** The maximum allowed TI per package (or group of packages), is depending on the height of the package (or group of packages).

**Note 2:** Packages in compartment 5 may not be higher than 50 cm.

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	105	100	II – Yellow (RRY)
1.1–2.0	85	150	III – Yellow (RRY)
2.1–3.0	65	210	III – Yellow (RRY)
3.1–4.0	50	255	III – Yellow (RRY)
More than 4.0	Not allowed	Not allowed	III – Yellow (RRY)

**Note:** For the separation of packages (or groups of packages with different Transport Indices (TI), the minimum separation distance required for the package (or group of packages) with the higher transport index must be Applied.

Heavy

Do not load heavy items weighing 150 kg or more (HEA) in compartment 5.

The use of forklift for loading in the aft compartment is prohibited for safety reasons due to the height above ground and the risk of damaging the CPT 5 cargo door lining.

Whenever a HEA is transported in a container, it must be secured by lashing. It is not sufficient to fill the container volumetrically.

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	3 + 4 + 5
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 <sup>1</sup>	
4	Other animals	100	100

**Note:** [1] All AVIH shall be loaded in the aft hold (Compartment 5).

Number of Animal Cages	Flight Time: Less than 4 h	Flight Time: 4 hours and Above
	1	Plan the crate in CPT 5, no other load allowed in CPT 5
2	Not allowed	Not allowed

- Live animals on A321, with the exception of Group 1 and 2, shall not be loaded inside a container. Other groups shall be loaded on pallets or in bulk

### Live Human Organs

Live Human Organs (LHO) shall be loaded in compartment 5, as close as possible to the cargo door.

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

LHO may be loaded in the cabin with the commander's approval

### Perishables

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### 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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