

A330



Compartments

Maximum weights and volumes:

This table shows the maximum weights and volumes per compartment 1, 2, 3, 4 and 5:

Note: NA indicates that volume figure is not given.

	Compartment				
	1	2	3	4	5
Weight (kg)	10206	20412	15309	10206	3468
Combined weight (kg)	22861		18607		NA
Area load (kg/m ²)	See note	See note	See note	See note	732
Volume (m ³)	NA	NA	NA	NA	19,7

Note: Please see document "Load support on ULD's"

Maximum dimension tables:

Compartment 5

Items with a height between 56 cm and 149 cm can be loaded via compartment 4.

Height			Length			
Up to 10	250	250	250	250	250	250
10 to 56	250	235	225	210	210	210
	10	25	40	55	70	85
			Width			

Air conditioning system:

The lower compartments are incorporated in the same pressure system as the passenger cabin.

Compartment	Description
1 and 2	Ventilated and heated to a certain extent for transportation of live animals. These compartments are equipped with a temperature control. A temperature range from +5°C to +25°C can be set. If a lower temperature is selected, the ventilation will increase in the compartment. This temperature selection can be overridden from the flight deck.

	Ask the Commander to set a special temperature when needed. A table of recommended temperatures for different commodities is available
3 and 4	Only indirectly ventilated and heated. No animals can be loaded in these compartments.
5	Ventilated and heated to a certain extent for transportation of live animals.

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	Combined weight 1 + 2	Combined weight 3+4	Weight 5
A330	4750 kg	3500 kg	1200	50

Note:

- Not to be loaded in the same hold as Live Animals (AVI). (E.g. compartments 3–5 are the same hold, not separated with solid walls, therefore AVI cannot be loaded in Cpt 5 if there is ICE in Cpt 3, 4 or 5.)
- If cargo compartment ventilation system is U/S no Dry-Ice is allowed.

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
A330	35	See note and table below	8	8	8	7	4

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	160	100	II – Yellow (RRY)
1.1–2.0	145	150	III – Yellow (RRY)
2.1–3.0	125	210	III – Yellow (RRY)
3.1–4.0	110	255	III – Yellow (RRY)
4.1–5.0	95	300	III – Yellow (RRY)
5.1–6.0	80	350	III – Yellow (RRY)
6.1–7.0	65	400	III – Yellow (RRY)
7.1–8.0	45	435	III – Yellow (RRY)
More than 8.0	Not allowed	Not allowed	III – Yellow (RRY)

Note:

1. For compartment 5 the maximum height per package (or group of packages) must be reduced with 20 cm.
2. 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 + 2	3 + 4	5
1	Tropical fish, fish	No limit	No limit	No limit
2	Shrimps, reptiles, snakes, crabs, frogs, oysters	No limit	No limit	No limit
3	Cats, dogs, other pets	See note ¹		
4	Other animals	4500	N/A	200

- NA indicates that no animals from that group can be loaded.
- Live animals, except for group 1 and 2, shall not be loaded inside a container.

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..	Plan the crate in CPT 5.
2*	Plan both crates in CPT 5..	Plan both crates in CPT 5.

* STOOG may grant exceptions, depending on other booked load.

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.

Outsized Cargo Pieces of Load

Outsized pieces of load are items which due to their dimensions do not fit into AKE or ALF containers. Typical examples of outsize pieces of load are windsurfing boards, hang-gliders, canoes and pole vaulting-poles.

Rule: On the A330 aircraft the following stowing restrictions for outsized pieces of lightweight load apply:

- The maximum weight limit per piece is 50 kg.
- Can be loaded in bulk compartment 5 or beside pallets in ULD compartments 1 and 2 (as these compartments are equipped with tie-down attachment points), if the dimensions permit

Outsized Cargo Items on Pallets

Loading of outsized cargo items, which require loading on more than one pallet, is permitted if the weight and dimensions allow manual loading on preloaded pallets and item properly secured to the pallets by means of pallet nets and straps.

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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