

A350



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)	12696	20412	10206	15870	1500
Combined weight (kg)	22000		19000		NA
Area load (kg/m ²)	See note	See note	See note	See note	415
Volume (m ³)	NA	NA	NA	NA	11,3

Note: Please see document “Load support on ULD’s”

Maximum dimension tables:

Compartment 5 – Upright loading

This table shows the maximum dimensions of cargo items for compartment 5, when the items must be loaded upright.

Max item width		Max item height		Max item length	
(m)	(in)	(m)	(in)	(m)	(in)
0,851	33,50	0,700	27,50	1,650	67,00
0,851	33,50	0,700	27,50	1,550	61,00
0,330	13,00	0,700	27,50	2,400	94,50

Compartment 5 – Tilted loading

This table shows the maximum dimensions of cargo items for compartment 5, when the items may be tilted.

Max item width		Max item height		Max item length	
(m)	(in)	(m)	(in)	(m)	(in)
0,300	13,00	1,100	46,00	2,400	94,50
0,850	33,50	1,000	39,30	2,300	90,50
0,950	37,40	0,500	19,70	2,200	86,50
1,200	47,20	0,200	7,900	2,400	94,50

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 are 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
A350	4225 kg *	3000 kg	1200 kg *	25 kg

Note:

* SAS AOC has decided to increase the amount of ICE that can be loaded in AFT compartment 3 and 4 on the A350 fleet. The new allowance is 1200kg in the AFT compartment.

This amount can be loaded as a whole in either compartment 3 or 4. It can also be divided between the compartments and as a total of 1200kg.

Maximum amount in compartment 5 will remain 25kg. Maximum amount of ICE per A/C will increase to 4225kg. SAS AHM A350 5.2 will be updated

1. Not to be loaded in the same hold as Live Animals (AVI) (AVF Aquatics and live fish can be loaded in the same hold as ICE). (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.)
2. If cargo compartment ventilation system is U/S the max limit for the forward cargo compartment is 150 kg. Aft compartments are calculated on no ventilation already in the table above).

Radioactive Materials: Maximum Transport Index (TI)

		Max TI pr. Compartment				
Max TI pr. aircraft	Max TI pr. package (or Group of packages)	1	2	3	4	5
28	See note and table below	6	6	6	6	4

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

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	145	100	II – Yellow (RRY)
1.1–2.0	125	150	III – Yellow (RRY)
2.1–3.0	105	210	III – Yellow (RRY)
3.1–4.0	90	255	III – Yellow (RRY)
4.1–5.0	75	300	III – Yellow (RRY)
5.1–6.0	60	350	III – Yellow (RRY)
More than 6.0	Not allowed	Not allowed	III – Yellow (RRY)

Note:

1. Max height per package (or group of packages) in the table above is only valid if the package is loaded on the bottom of the ULD. In compartment 5 it must be loaded on the level part of the floor.
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. Whenever a HEA is transported in a container, it must be secured by lashing. It is not enough 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 mbargoes.

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	50

Note: [1] All AVIH shall be loaded in the aft hold (Compartment 3–5).

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 or more	Not allowed	Not allowed

- n/a 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
- For A350, 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.

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 A350 aircraft the following stowing restrictions for outsized pieces of lightweight load apply:

- The maximum weight limit per piece is 50 kg.
- The maximum length is 5,0 m/16,4 ft
- Can be loaded in compartment 1 and 2, as these compartments are equipped with tie-down attachment points, if the dimensions permit
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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.

Long Lightweight Loading in ULD Compartments

On the YZ-latches (Side Restraints) and on the sloped floor in pallet-positions 23P and 24P, there are attachment points for tie-down rings mounted. This enables loading and securing of long lightweight items between the wall lining and loaded pallets.

Maximum length for the items is 650 cm and maximum weight is 50 kg. The items must be secured with at least two straps.

Adjacent pallets must be contoured so that no overhang exist on the side concerned.

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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