

Type of Aircraft

■ Cargo Aircraft and Passenger Aircraft



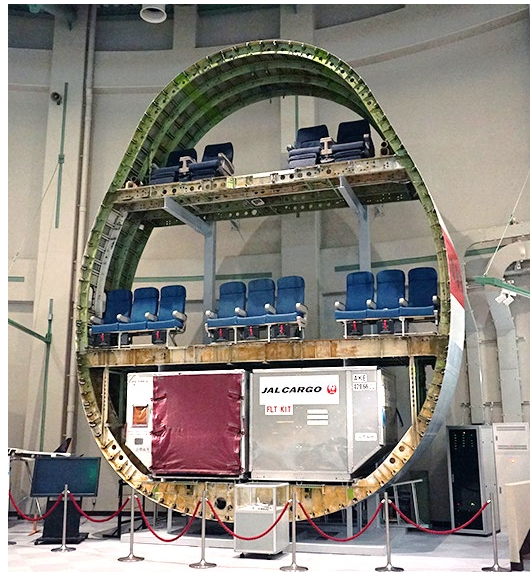
☐ Cargo Aircraft (Freighter)

Cargo aircrafts (known as Freighter also) are designed for the carriage of cargo only. They have a long & wide cargo compartment and large doors which enable to carry oversized cargoes. Flights of cargo aircrafts are mainly operated between departure and destination cities which have strong cargo demand.

☐ Passenger Aircraft

Passenger aircrafts have passenger compartment at the upper half and cargo compartment at the lower half.

Therefore the cargo compartment of passenger aircraft is limited rather than cargo aircraft.



Section of a Passenger Aircraft /
Photo supplied by Museum of Aeronautical Science

■ Wide-body aircraft and Narrow-body aircraft

☐ Wide-body aircraft

The wide-body aircrafts are also called twin-aisle aircraft because they have two aisles from the front to the back in the cabin.

They are generally operated for long-haul flights between airline hubs and major destinations.

Cargoes are loaded with the ULD (Unit Load Device) onto the cargo compartment.

Example : B747 B747F

☐ Narrow-body aircraft

The narrow-body aircrafts are also called single-aisle aircraft.

They are used for short or medium haul flights with fewer passengers than the wide-body aircraft.

Recently there is a trend to convert passenger aircraft to cargo freighters.

Example : B737 B737F

Type of ULD (Unit Load Device)

■ Pallet type and Container type

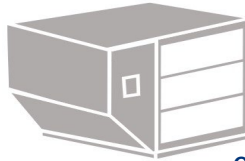
Cargoes are generally loaded with the ULD.

There are several types of ULD like pallets or containers which have various kinds of sizes or dimensions and those ULD belong to airline company.

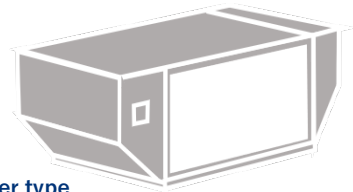
ULD building-up is generally done by airlines handling companies or forwarders.



Pallet type



Container type



Loading Procedure onto Aircraft



Empty ULD pallet.



Professional work of balancing cargoes on the ULD pallet.



Cargoes must be shrink-wrapped for waterproof. Then, ULD and cargo must be tightly fixed by cargo rubber-net not to move.



ULD Transport to aircraft with dolly.



ULD Loading onto aircraft with loader.



ULD fixing inside the belly.

Export

Import

