



# Backgrounder

Boeing Defense, Space & Security  
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## KC-767 International Tanker

### Description and Purpose:

The Boeing KC-767 International Tanker – the world’s most advanced aerial-refueling platform – is a fuel-efficient, long-range aircraft specifically sized for diverse air-refueling; cargo, troop and passenger transport; and aeromedical evacuation missions.



As a key element of global power projection, the KC-767 will enable combat operations, extend the range of humanitarian relief flights, and deploy military forces anywhere to protect a nation’s interest.

### Customer(s):

Leveraging an unmatched expertise in developing military aircraft from commercial product lines, Boeing is building KC-767s for two major international customers – Italy and Japan – at Boeing Defense, Space & Security facilities in Wichita, Kansas. The first Boeing KC-767A rolled-out of the modification hangar in February 2005, conducted its first flight on May 21, and made its maiden trans-Atlantic flight to participate in the 2005 Paris Air Show.

Two of the Italian Boeing KC-767A aerial refueling tankers made history in mid-December 2008 when they were used to successfully transfer fuel from one to the other during a test flight over northern Kansas. This marked the first time a KC-767 tanker has itself been refueled by any aircraft. The Italian Air Force is acquiring four KC-767A aerial refueling aircraft as replacements for its fleet of 707 tankers.



The Japan Air Self-Defense Force (JASDF) KC-767J was originally contracted for in 2003. The first Boeing 767 arrived in Wichita in June 2005 for modifications into a KC-767J Tanker and conducted its first flight on December 21, 2006. The first two tanker aircraft were delivered in the first quarter of 2008. The third KC-767J tanker was delivered to JASDF on March 9, 2009. The fourth KC-767J was delivered to the Itochu Corp., Boeing’s Japan partner, in December 2009 and transferred to JASDF in the first quarter of 2010. All four

delivered Japan KC-767 tankers have achieved Initial Operational Capability and been assigned to an active air wing in the JASDF.

## General Characteristics:

The KC-767 International Tanker, a derivative of Boeing Commercial Airplanes' 767-200ER, has the capability of multiple interior configurations. While maintaining its tanker capability, the aircraft's uninterrupted cabin floor interior can be configured for:

- Convertible Freighter (Full Passenger or Full Freighter)
- Convertible Combination (Full Passenger, Full Freighter, or Passenger and Freighter simultaneously)
- Dedicated Freighter
- Dedicated Passenger

The KC-767 International Tanker is the right solution for air refueling and transport needs for military services around the globe. It is "right-sized" for optimum fuel offload and range and takes off and lands at more locations than other current and prospective tanker platforms.

With more than 80 years of aerial-refueling experience, Boeing continues to lead the industry with the KC-767 and its groundbreaking technologies that are dramatically improving aircraft and aircrew capabilities. These include a high-tech boom operator station and advanced-design boom enabled by camera systems, new wing air refueling pods and centerline hose drum unit, and integrated avionics and communication systems. The KC-767 offers maximum operational flexibility along with full European Union and NATO interoperability.

<b>Boeing 767 International Tanker Characteristics</b>	
<b>Primary Function:</b>	Aerial refueling and airlift
<b>Power Plant:</b>	Pratt & Whitney PW4062/General Electric CF6-80C2B7F engines or General Electric CF6-80C2B6F engines
<b>Thrust:</b>	63,300 pounds each engine / 60,000 pounds each engine
<b>Wingspan:</b>	156 feet, 1 inch (47.57 meters)
<b>Length:</b>	159 feet, 2 inches (48.51 meters)
<b>Height:</b>	52 feet, 2 inches (15.9 meters)
<b>Speed:</b>	543 mph @ 30,000 ft (874 Km/h)
<b>Ceiling:</b>	43,100 feet (FAA certified altitude) (13,136.9 meters)
<b>Range:</b>	Global within flight refueling capability
<b>Maximum Takeoff Weight:</b>	395,000 pounds (Tanker /Transport) (179,169 Kilograms)
<b>Maximum Fuel Load:</b>	161,000 lbs w/o auxiliary fuel (73,028 Kilograms)
<b>Cargo Pallet Positions:</b>	19 Main Deck + 3 Forward Lower Lobe
<b>Passengers:</b>	200 airline-type seats mounted on military cargo pallets
<b>Crew:</b>	Three: Pilot, co-pilot, aerial refueling operator

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