

Super tanker in the sky

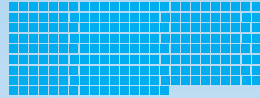
The air force's A330 Multi-Role Tanker Transport (MRTT) aircraft, first delivered in 2018, is now fully ready for operations. Here is a look at the different features of the tanker aircraft, which has higher capacity for fuel, cargo and passengers than the KC-135R aerial tanker it replaced.



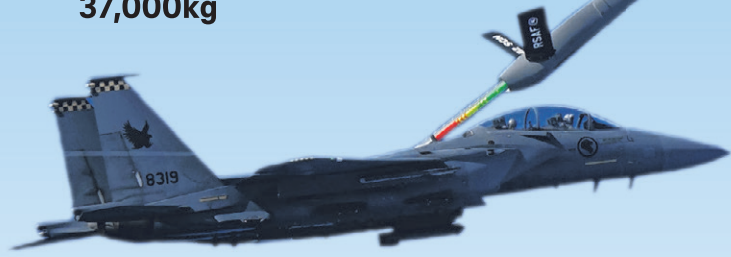
A330 MRTT SPECIFICATIONS

Cruise speed **Mach 0.86** Range **14,800km** Engines **2 Rolls-Royce Trent 772B**

Maximum personnel capacity **266 personnel** Maximum cargo capacity **37,000kg**

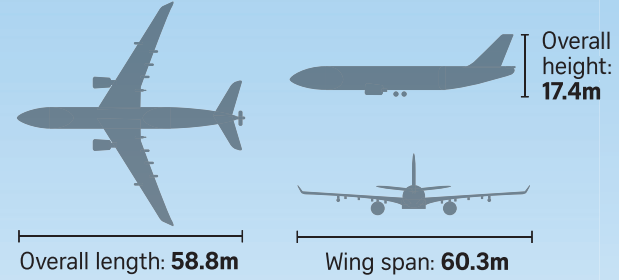


Maximum fuel weight **111,000kg**



1 MIDAIR REFUELLING AND AIRLIFT

- The MRTT can refuel the RSAF's F-16 and F-15SG fighter jets, as well as another MRTT, in midair.
- It also conducted a midair refuelling operation with a Royal Australian Air Force MRTT in November 2020.
- It can carry up to 37,000kg of cargo or 266 people.



2 AEROMEDICAL OPERATIONS

- One MRTT can be configured to provide care for up to three patients who need intensive care.
- Or, it can be set up to fit 12 patients requiring light to moderate care.
- It can also safely transfer patients with infectious diseases, such as severe acute respiratory syndrome (Sars) or Ebola.



3 TRAINING SIMULATOR

- Air refuelling operators train on a simulator, which replicates the operator's console on the MRTT.
- The simulator can simulate a wide range of operational scenarios – in different weather, as well as day and night conditions.
- Operators wear 3D glasses for depth perception.

4 'GREEN' HANGAR

- The MRTT hangar at Changi Air Base (East), completed in March 2020, is the Singapore Armed Forces' first net positive energy building.
- It is able to generate 30 per cent more electricity than it consumes, such as through the use of solar panels.

