

Royal Navy supercarrier ready for service

HMS Queen Elizabeth is the first of a new class of aircraft carriers that will be the biggest and most powerful warships ever constructed for the Royal Navy, designed to serve Britain for 50 years

SPECIFICATIONS – QE-CLASS

Displacement 65,000 tonnes

Speed 25 knots (46km/h)

Range 18,520km at 15 knots

Aircraft 40 (fixed and rotary wing)

Crew 1,600 (including air wing)

Ski jump: F-35 jets use 13-degree ramp to aid take-off, saving fuel and improving range

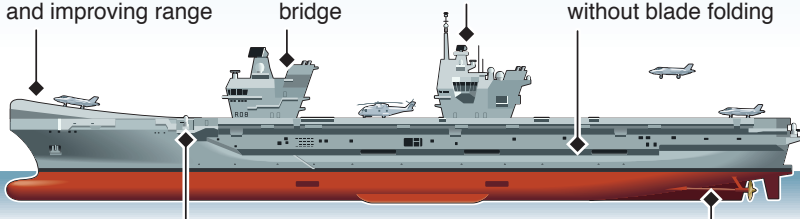
Forward island
Navigation bridge

Aft island
Flying control

Hangar: Houses up to 20 aircraft. Room for Chinook helicopter without blade folding

Aircraft types: F-35B STOVL* jets, Merlin Mk2 helicopters equipped with Crowsnest early warning radar

F-35B


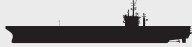





Armament: Three Phalanx rapid-fire guns for airborne threats. Ship also has 30mm cannons and mini-guns

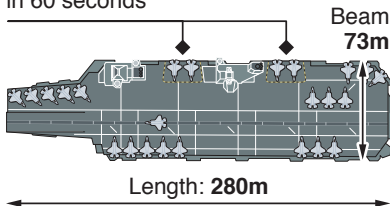
Propulsion: Two Rolls-Royce Marine Trent MT30 gas turbines, each generating 36MW (48,000hp)

CARRIER COMPARISON

Displacement (tonnes)

	Gerald R. Ford U.S. 100,000
	Nimitz-class U.S. 100,000
	Queen Elizabeth UK 65,000
	Adm. Kuznetsov Russia 58,500
	Liaoning China 55,000

Aircraft lifts: Each lift can move two F-35s from hangar to flight deck in 60 seconds



Flight deck area: 16,000 sq metres (includes islands and lifts)