Heavy metal on the high seas Larlier this month, the US debuted its most powerful new aircraft carrier, the USS Gerald R. Ford, described by President Donald Trump as a "100,000-ton message to the world". The American behemoth joins oceans already teeming with ships

Earlier this month, the US debuted its most powerful new American behemoth joins oceans already teeming with ships featuring big decks and fast jets. Here's how they stack up.



2 nuclear reactors, Each reactor is capable of producing 300MW of electricity.

Propulsion

Speed 30+ knots (55kmh)

Crew Approximately 5.000

Maximum displacement 100.000 tons As much as 400 Statues of Liberty

Flight Deck 2.02ha 78m wide. 2 runways

Aircraft capacity 75+

Capable of 220 air strikes a day - one almost every six minutes - because the deck uses electromagnetic force instead of steam power to propel the jets forward. The method is similar to that used on roller coasters.

Liaoning China V16 aircraft carrier

Propulsion Speed 32+ knots Diesel (59kmh) propulsion

Flight Deck

2 runways

1.47ha

Traditional

Conventionally powered, the vessel is built with eight boilers and four steam turbines, each producing 50,000hp.

arrestor hook and Maximum cables bring an displacement aircraft to a rapid 65.000 tons halt in a few seconds.

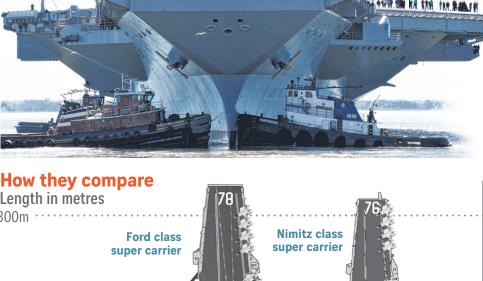
Aircraft capacity 45+

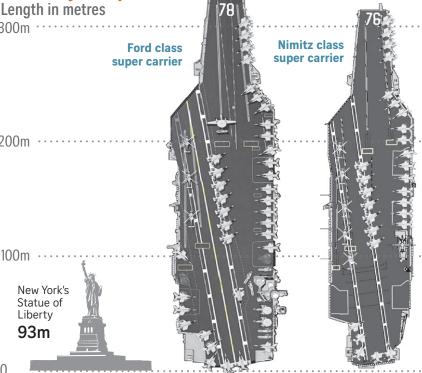
Ski-jump runway. Aircraft take off at a 14-degree angle to gain additional lift. American carriers use a catapult to launch planes into the air.

Approximately 2.500

The ship, originally known as the Varyag, was built in the Soviet Union in the 1980s. China bought the main body - with no engine, electronics or propeller - in 1998 at a cost of US\$20 million (S\$28million). In April, China unveiled its first home-grown carrier that is due to go into service in 2020.







Carrier name: Country: Maximum displacement: Carrying capacity: Type: **USS Gerald R. Ford USS Ronald Reagan** US 100,000 tons 97,000 tons 75+ aircraft 90 aircraft **Nuclear** Nuclear aircraft carrier aircraft carrier

Liaoning

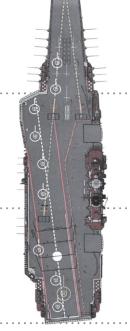
65,000 tons

50 aircraft

Conventional

aircraft carrier

China



Admiral Kuznetsov

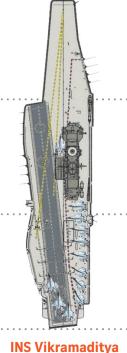
Russia

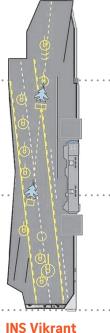
65,000 tons

50 aircraft

Conventional

aircraft carrier





India

40,000 tons

Conventional

aircraft carrier

30 aircraft



6111	
ROKS Dokdo	JS Kaga
South Korea	Japan
18,800 tons	27,000 tons
15 aircraft	28 aircraft
Helicopter carrier	Helicopter carrier

Short take-off, barrier-assisted recovery

India

45,000 tons

30 aircraft

Conventional

aircraft carrier