

Rocket milestones in 2024

Ariane 6

Two versions – **Ariane 62** with two strap-on boosters and **Ariane 64** with four. Height: **62m**



■ **Ariane 6:** European Space Agency's (ESA) heavy-lift rocket is set to make its debut mission between Jun 15-Jul 31. Ariane 64 can carry payloads of up to 11.5 tonnes to geostationary orbit or 20 tonnes to low Earth orbit

■ **New Glenn:** Blue Origin aims to carry payloads of 45 tonnes to low Earth orbit. Named in honour of **John Glenn**, first American to orbit Earth. Height: **95.4m**

■ **Vulcan Centaur:** Joint venture between Boeing and Lockheed Martin. United Launch Alliance's Vulcan Centaur can lift 27.2 tonnes into low Earth orbit. Height: **61.6m**

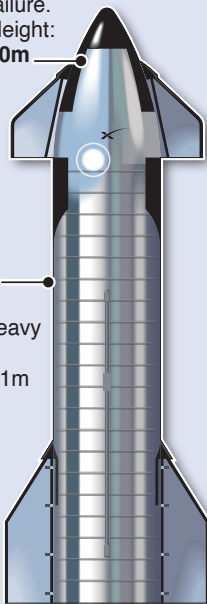


Two-stage BE-4 engines burn liquefied natural gas and liquid oxygen

■ **Vega C:** Italian Avio's Vega C is expected to launch in fourth quarter after failure of first commercial flight in Dec 2022. Height: **35m**



■ **Starship:** SpaceX will continue to test after first two flights ended in failure. Height: **50m**



Starship and its Super Heavy Booster stand 121m tall

