

# GOES-U

## Falcon Heavy Rocket Components

The GOES-U launch vehicle is a SpaceX Falcon Heavy rocket composed of three Falcon 9 nine-engine boosters – a center core and two reusable side boosters. Together, their 27 Merlin engines generate more than five million pounds of thrust at liftoff, equal to approximately eighteen 747 aircraft.

Height: 229.6 feet (70 meters)

Mass: 3,125,735 pounds  
(1,420,788 kilograms)

