

## **Falcon Heavy Rocket**

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### **About Falcon Heavy Rocket:**

- This is considered as a National Security Space Launch for the U.S. military.
- This is the fourth launch of the giant rocket system, and the first one in nearly three years since its last launch in 2019.

### **Specifications:**

- SpaceX claims Falcon Heavy to be the most powerful rocket in the world today by a factor of two.
- With a lifting capacity of around 64 metric tonnes into orbit, Falcon Heavy can lift more than twice the payload of the next closest operational vehicle, the Delta IV Heavy.
- Falcon Heavy has 27 Merlin engines which together generate more than five million pounds of thrust at lift-off, equalling around eighteen 747 aircraft at full power.
- The rocket can lift the equivalent of a fully loaded 737 jetliner, complete with passengers, luggage and fuel, to orbit.

- Merlin is a family of rocket engines developed by SpaceX for use on its Falcon 1, Falcon 9 and Falcon Heavy launch vehicles.
  - Merlin engines use RP-1 and liquid oxygen as rocket propellants in a gas-generator power cycle.
  - These engines were designed for recovery and reuse.
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**Source :** [The Hindu](#)

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