

Delta

Delta Launch Vehicles

The Satellite Launch Service Solution for the 21st Century

40-Year Delta Heritage

Since 1960, the Delta team has launched satellites that have brought the world closer together and helped deepen our understanding of the universe. During those four decades, Delta rockets have continually evolved to meet the growing needs of our customers.

Family of Launch Systems to Meet Customer Requirements

Today both Delta II and Delta III are operational and provide a broad range of capabilities to meet customer needs. Delta IV offers a launch vehicle, beginning in 2002, for nearly every payload class—from 900 kg to more than 13,000 kg to geosynchronous transfer orbit (GTO).

Delta II: The industry standard for reliability

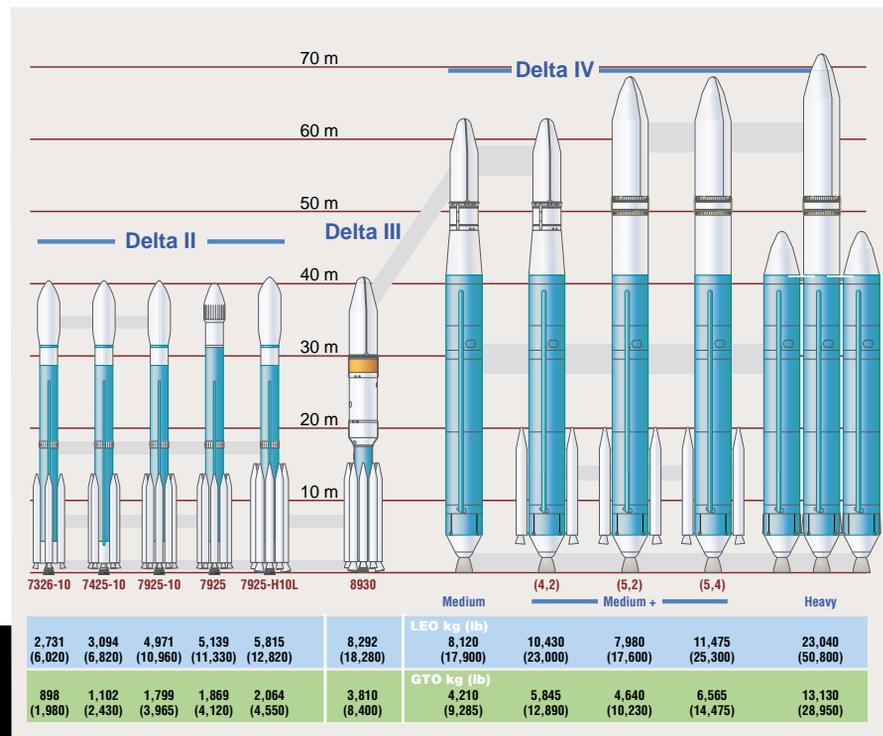
Since its introduction in 1989, Delta II has become the industry standard for reliability, on-time delivery of payloads to orbit, and customer satisfaction. With a 97.8 percent reliability record for more than 90 launches, Delta II continues to be the vehicle of choice for customers with payloads up to 2,064 kg to GTO.

Delta III: Flight proven and fully operational

With the successful launch of Delta III in August 2000, the performance of operational Delta vehicles has nearly doubled, with demonstrated ability to place up to 3,810-kg-class commercial satellites into GTO.

Delta IV: Comprehensive, affordable launch service

The Boeing Delta IV family of launch vehicles will bring assured and affordable access to space while lowering the per-kilogram cost of launch to orbit. Delta IV is Boeing's most advanced expendable launch system, combining design simplicity, manufacturing efficiency, and streamlined mission and vehicle integration to meet customer requirements.



The Delta IV family of vehicles enables affordable solutions:

- Commonality in the common booster core (CBC), designed for low-cost production in a new factory equipped with state-of-the-art lean manufacturing techniques.
- A new Rocketdyne RS-68 first-stage engine, designed with reduced complexity and costs, that utilizes liquid oxygen/liquid hydrogen propellants for high performance.
- Use of proven heritage hardware, software, and processes.
- Efficient launch site processing, with off-pad horizontal integration of the vehicle and parallel processing of the payload.



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