

H-IIA - 202



H-IIA is Japan's primary large-scale launch vehicle, is designed to meet diverse launch demands, at lower cost and with a high degree of reliability, by making the best use of the H-II launch-vehicle technology. The simplified design and improved efficiency of the manufacturing and launch processes of H-IIA have achieved one of the highest performance to cost ratio of launch system in the world, reducing the cost of launches by a half or more.

H-IIA launch service operations have been transferred to Mitsubishi Heavy Industries, LTD. ahead of the launch of H-IIA Flight 13. JAXA is in charge of launch safety management (including ground safety confirmation, flight safety assurance, and overall countdown control and supervision.)

JAXA is conducting the H-IIA upgrade project to improve the H-IIA launch capability and its global competitiveness.

The launch capability of an H-IIA launch vehicle can be enhanced by adding SRB-A solid rocket booster (SRB) and Castor 4AXL solid strap-on booster (SSB) to its basic configuration.

The models are indicated by three or four numbers following the prefix "H2A":

- ☒ The first number in the sequence indicates the number of stages
- ☒ The second, the number of liquid rocket boosters (LRBs)
- ☒ The third, the number of SRBs
- ☒ An optional fourth number shows the number of SSBs.

The first two figures are virtually fixed at "20", as H-IIA is always two-staged, and the plans for LRBs were cancelled and superseded by the H-IIB.

	Size
Height	53 m (174 ft)
Diameter	4 m (13 ft)
Mass	285,000–445,000 kg (628,000–981,000 lb)
Stages	2



