

Japan's disposable space freighter

The *H-II Transfer Vehicle* (HTV) is Japan's first unmanned spacecraft designed to resupply the International Space Station

HTV COMPONENTS

Unpressurized carrier
1.5 tonnes cargo

Avionics module

Pressurized carrier
4.5 tonnes cargo

Solar panels

Propulsion module

HTV SPECIFICATIONS

Length	10 metres
Diameter	4.4 metres
Empty weight	10.5 tonnes

After 30 days of operations, HTV will be loaded with station waste then destroyed upon reentry to Earth's atmosphere

Cargo capacity	6 tonnes
Orbit altitude	350-460km
Cost	\$220 million

H-IIB
ROCKET

HTV inside
nosecone

Second
stage

First
stage

Solid
rocket
boosters

