



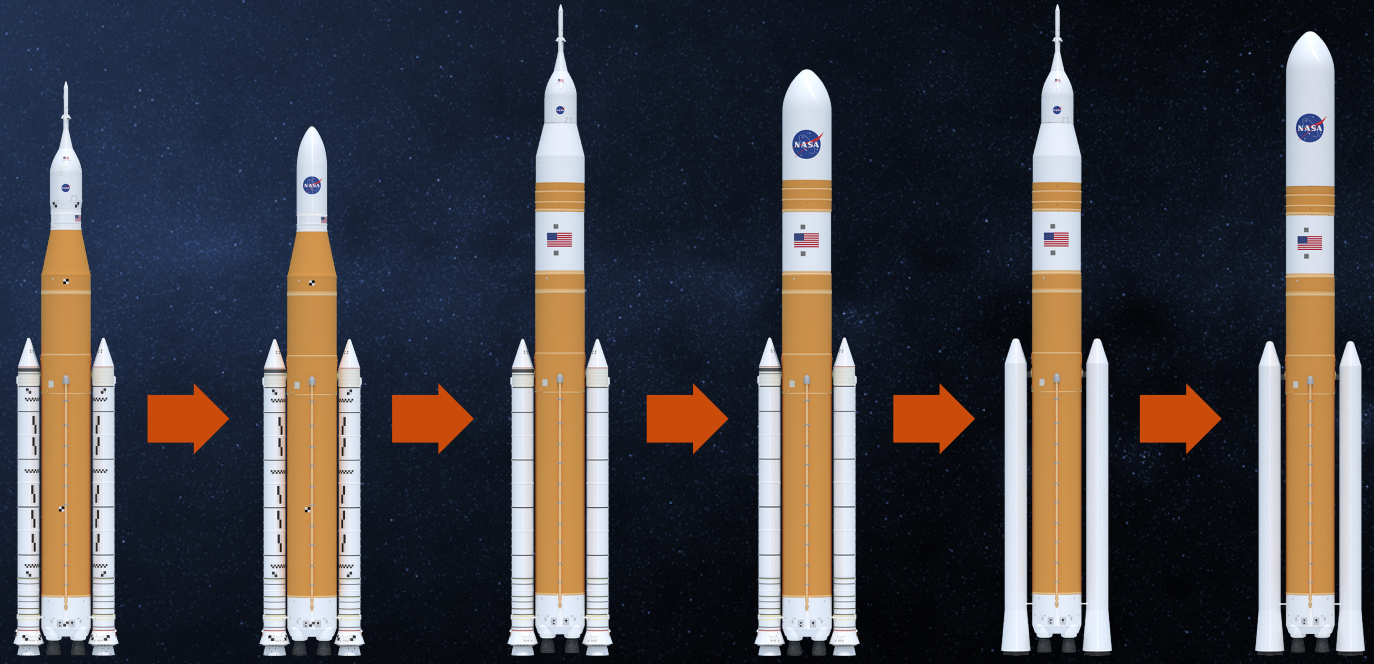
Space Launch System Lift Capabilities

Payload to TLI/Moon	> 27 t (59.5k lbs)	> 27 t (59.5k lbs)	38 t (83.7k lbs)	42 t (92.5k lbs)	> 43 t (94.7k lbs)	> 46 t (101.4k lbs)
Payload Volume	516 ft ³ (14.6 m ³)	8,118 ft ³ (229.9 m ³)	10,100 ft ³ (286 m ³)**	21,930 ft ³ (621.1 m ³)	10,100 ft ³ (286 m ³)**	34,910 ft ³ (988 m ³)

Low Earth Orbit (LEO)
 represents a typical 200 km circular orbit at 28.5 degrees inclination

Trans-Lunar Injection (TLI) is a propulsive maneuver used to set a spacecraft on a trajectory that will cause it to arrive at the Moon. A spacecraft performs **TLI** to begin a lunar transfer from a low circular parking orbit around Earth.

The numbers depicted here indicate the mass capability at the Trans-Lunar Injection point.



SLS Block 1 Crew SLS Block 1 Cargo SLS Block 1B Crew SLS Block 1B Cargo SLS Block 2 Crew SLS Block 2 Cargo

** Not including Orion/Service Module volume

Maximum Thrust	8.8 M lbs	8.8 M lbs	8.9 M lbs	8.9 M lbs	9.5 M lbs	9.5 M lbs
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Space Launch System Configurations

