Space Launch System Lift Capabilities



Payload to TLI/Moon	> 26 t (57k lbs)	34–37 t (74k–81k lbs)	37-40 t (81k-88k lbs)	> 45 t (99k lbs)	> 45 t (99k lbs)
Payload Volume	N/A**	10,100 ft ³ (286m ³)**	18,970 ft ³ (537 m ³)	10,100 ft ³ (286m ³)**	31,950 ft ³ (905 m ³)
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.					
** Not including Orion/Service					
** Not including Orion/Service Module volume	SLS Block 1	SLS Block 1B Crew	SLS Block 1B Cargo	SLS Block 2 Crew	SLS Block 2 Cargo
Maximum Thrust	8.8M lbs	8.8M lbs	8.8M lbs	11.9M lbs	11.9M lbs

Space Launch System Configurations



