SATURN V LAUNCH VEHICLE

**FIRST STAGE (S-IC)**
- **Diameter**: 33 feet
- **Height**: 138 feet
- **Weight**: 5,022,674 lbs. fueled, 288,750 lbs. dry
- **Engines**: Five F-1
- **Propellants**: Liquid Oxygen (3,307,855 lbs., 346,372 gals.) RP-1 (Kerosene) (1,426,069 lbs., 212,846 gals.)
- **Thrust**: 7,653,854 lbs. at liftoff

**SECOND STAGE (S-II)**
- **Diameter**: 33 feet
- **Height**: 81.5 feet
- **Weight**: 1,059,171 lbs. fueled, 79,918 lbs. dry
- **Engines**: Five J-2
- **Propellants**: Liquid oxygen (821,022 lbs., 85,973 gals.) Liquid Hydrogen (158,221 lbs., 282,555 gals.)
- **Thrust**: 1,120,216 to 1,157,707 lbs.
- **Interstage**: 1,353 (small), 8,750 (large)

**THIRD STAGE (S-IVB)**
- **Diameter**: 21.7 feet
- **Height**: 58.3 feet
- **Weight**: 260,523 lbs. fueled, 25,000 lbs. dry
- **Engines**: One J-2
- **Propellants**: Liquid Oxygen (192,023 lbs., 20,107 gals.) Liquid Hydrogen (43,500 lbs., 77,680 gals.)
- **Thrust**: 178,161 to 203,779 lbs.
- **Interstage**: 8,081 lbs.

**INSTRUMENT UNIT**
- **Diameter**: 21.7 feet
- **Height**: 3 feet
- **Weight**: 4,306 lbs.

NOTE: Weights and measures given above are for the nominal vehicle configuration for Apollo 11. The figures may vary slightly due to changes before launch to meet changing conditions. Weights not included in above are frost and miscellaneous smaller items.