

The Raptor



F-22

Primary Function: Fighter, air-superiority • Builder: Lockheed, Boeing • Power Plant: Two Pratt & Whitney F119-PW-100 turbofan engines with afterburners and two-dimensional thrust vectoring nozzles • Thrust (each engine): 35,000-pound class • Length: 62 feet, 1 inch • Height: 16 feet, 5 inches • Wingspan: 44 feet, 6 inches • Speed: Mach 2 class (approximately 1,500 miles per hour) • Ceiling: Above 50,000 feet • Empty Weight: 40,000-pound class • Range: More than 2,000 miles • Armament: One M61A2 20-millimeter multibarrel cannon; internal stations can carry AIM-9 infrared (heat seeking) air-to-air missiles and AIM-120 radar-guided air-to-air missiles or 1,000-pound Joint Direct Attack Munitions • Crew: F-22A: one. F-22B: two • Initial Operational Capability (IOC): 2003 • Projected Inventory: Active: More than 300.