

F-35C Lightning II - 2022, GBU-38, GBU-54 and JSOW-C1 Blk IV

United States

Type: Multirole (Fighter/Attack)

Min Speed: 350 kt

Max Speed: 920 kt

Commissioned: 2022

Length: 15.6 m

Wingspan: 10.7 m

Height: 4.33 m

Crew: 1

Empty Weight: 15800 kg

Max Weight: 31800 kg

Max Payload: 6810 kg

Propulsion: 1x F135-PW-100

Sensors / EW: - AN/ASQ-239 Barracuda - (F-35) ESM, ELINT, Max range: 926 km

- AN/APG-81 AESA - (F-35, LPI) Radar, Radar, FCR, Air-to-Air & Air-to-Surface, Long-Range, Max range: 370.4 km

- AN/AAQ-37 EO-DAS - (F-35) Infrared, Infrared, Day/Night Spherical Situational Awareness & Fire Control, Max range: 111.1 km

- EOTS [Laser Designator] - (F-35) Laser Designator, Laser Target Designator & Ranger (LTD/R), Max range: 27.8 km

- EOTS [IRST] - (F-35) Infrared, Infrared, Navigation / Attack FLIR & Air-to-Air Tracking, Max range: 185.2 km

- AN/AAQ-37 EO-DAS MAWS - (F-35) Infrared, MAWS, Missile Approach Warning System, Max range: 9.3 km

- AN/APG-81 OECM - (F-35, AN/APG-81 USN/USAF/USMC) ECM, OECM, Offensive ECM, Max range: 0 km

Weapons / Loadouts:

- AGM-154C JSOW [BROACH] - (2004) Guided Weapon. Surface Max: 83.3 km. Land Max: 83.3 km.

- AIM-120D AMRAAM P3L4 - (2016) Guided Weapon. Air Max: 138.9 km.

- GBU-31(V)4/B JDAM [BLU-109A/B] - (USN) Guided Weapon. Land Max: 24.1 km.

- GBU-32(V)2/B JDAM [Mk83] - (USN, 2001) Guided Weapon. Land Max: 24.1 km.

- AIM-9X Sidewinder - (2005) Guided Weapon. Air Max: 25.9 km.

- 25mm GAU-22/A Equalizer Burst [30 rnds] - (Aircraft, F-35) Gun. Air Max: 1.5 km. Surface Max: 1.9 km. Land Max: 2.8 km.

- GBU-12D/B Paveway II LGB [Mk82] - Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.

- GBU-53/B SDB-II - (2018) Guided Weapon. Surface Max: 111.1 km. Land Max: 111.1 km.

- AGM-154C-1 JSOW [BROACH] - (2016) Guided Weapon. Surface Max: 83.3 km. Land Max: 83.3 km.

- GBU-38(V)2/B JDAM [Mk82] - (USN, 2005) Guided Weapon. Land Max: 24.1 km.

- GBU-38(V)4/B JDAM [BLU-126/B LCDB] - (USN) Guided Weapon. Land Max: 24.1 km.

- GBU-54(V)2/B LJDAM [Mk82] - (USN, 2012) Guided Weapon. Surface Max: 24.1 km. Land Max: 24.1 km.

- GBU-54(V)4/B LJDAM [BLU-126/B LCDB] - (USN) Guided Weapon. Surface Max: 24.1 km. Land Max: 24.1 km.

- ASM HAWC - (Hypersonic Air-Breathing Weapon Concept) Guided Weapon. Surface Max: 250 km.

- GBU-136 JDAM [BLU-136 2000lb Superfrag] - (USAF) Guided Weapon. Land Max: 24.1 km.

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- GBU-134 JDAM [BLU-134 500lb Superfrag] - (USAF) Guided Weapon. Land Max: 24.1 km.