

Rafale C - 2022, F4-1, 1000kg AASM

France

Type: Multirole (Fighter/Attack)

Min Speed: 350 kt

Max Speed: 920 kt

Commissioned: 2022

Length: 15.3 m

Wingspan: 10.8 m

Height: 5.28 m

Crew: 1

Empty Weight: 9500 kg

Max Weight: 24500 kg

Max Payload: 0 kg

Propulsion: 2x SNECMA M88-9

Sensors / EW: - SPECTRA [RWR/ELINT, F3R Std] - ESM, ELINT, Max range: 222.2 km

- SPECTRA [DECM, F3R Std] - ECM, DECM, Defensive ECM, Max range: 0 km

- OSF-IT [CCD] - (Rafale, FSO-IT) Visual, LLTV, Attack, Max range: 55.6 km

- DDM-NG - (2013, Rafale F3) Infrared, MAWS, Missile Approach Warning System & Infrared Spherical Situational Awareness, Max range: 27.8 km

- SPECTRA [LWR, F3R Std] - (2013, Rafale F3) ESM, LWR, Laser Warning Receiver, Max range: 11.1 km

- RBE-2AA AESA - (LPI) Radar, Radar, FCR, Air-to-Air & Air-to-Surface, Medium-Range, Max range: 259.3 km

- AN/AVS-9 Night Vision Goggles - (LPI) Visual, LLTV, Night Vision Goggles (NVG), Max range: 27.8 km

- OSF-IT [Laser Rangefinder] - (LPI) Laser Rangefinder, Laser Rangefinder, Max range: 7.4 km

- OSF-IT [FLIR /IRST] - (Rafale F3R Re-Introduction, FSO-IT) Infrared, Infrared, Navigation / Attack Camera & Air-to-Air Tracking, Max range: 185.2 km

Weapons / Loadouts:

- 2000 liter Drop Tank - Drop Tank.

- 1250 liter Drop Tank - Drop Tank.

- MICA IR - Guided Weapon. Air Max: 83.3 km.

- Meteor - (2016) Guided Weapon. Air Max: 138.9 km.

- MICA EM - (2000) Guided Weapon. Air Max: 83.3 km.

- ASMP-A [300kT Nuclear] - (2010) Guided Weapon. Land Max: 398.2 km.

- Talios LDP-NG Pod [FLIR + LRMTS, 40k ft] - (2019, Damocles Follow-on) Sensor Pod.

- SBU-54 AASM/M [Hammer, Mk82, GPS + IIR] - (2011, Tested 2009, Combat Use 2011) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.

- SBU-64 AASM/M [Hammer, Mk82, GPS + SALH] - (2013) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.

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

- GBU-24A/B Paveway III LGB [BLU-109/B] - (USAF) Guided Weapon. Surface Max: 14.8 km. Land Max: 14.8 km.

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- GBU-49/B Paveway II GPS/LGB [Mk82] - Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.
- SBU-38 AASM/D [Hammer, Mk82, GPS-Only] - (2007) Guided Weapon. Land Max: 64.8 km.
- SCALP EG - (2004, Storm Shadow) Guided Weapon. Land Max: 398.2 km.
- T.200 400kg GPB - (France) Bomb. Surface Max: 1.9 km. Land Max: 1.9 km.
- T.25 250kg GPB - (France) Bomb. Surface Max: 1.9 km. Land Max: 1.9 km.
- AREOS Recon Pod [IR] - (2012) Sensor Pod.
- GBU-22/B Paveway III LGB [Mk82] - Guided Weapon. Surface Max: 14.8 km. Land Max: 14.8 km.
- AASM/D [Hammer, Mk84, GPS-Only] - (2022) Guided Weapon. Land Max: 64.8 km.
- AASM/M [Hammer, Mk84, GPS + IIR] - (2022) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.
- AASM/M [Hammer, Mk84, GPS + SALH] - (2022) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.
- AASM/D [Hammer, BLU-109, GPS-Only] - (2022) Guided Weapon. Land Max: 64.8 km.
- AASM/M [Hammer, BLU-109, GPS + IIR] - (2022) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.
- AASM/M [Hammer, BLU-109, GPS + SALH] - (2022) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.