Rafale M - 2019, F3R

France



Type: Multirole (Fighter/Attack)
Min Speed: 350 kt
Max Speed: 920 kt
Commissioned: 2019
Length: 15.3 m
Wingspan: 10.8 m
Height: 5.28 m
Crew: 1
Empty Weight: 10196 kg
Max Weight: 22200 kg
Max Payload: 0 kg
Propulsion: 2x SNECMA M88-2/3/4

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

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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: 185.2 km.
- MICA EM - (2000) Guided Weapon. Air Max: 83.3 km.
- AM.39 Exocet Blk II - (1995) Guided Weapon. Surface Max: 66.7 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.
- Damocles LDP Pod [FLIR + LRMTS, 40k ft] - Sensor Pod.
- SBU-64 AASM/M [Hammer, Mk82, GPS + SALH] - (2013) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.

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- 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.
- 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.
- AREOS Recon Pod [IR] - (2012) Sensor Pod.
- Generic Buddy Store - Buddy Store.
- GBU-22/B Paveway III LGB [Mk82] - Guided Weapon. Surface Max: 14.8 km. Land Max: 14.8 km.