FC-31 Gyrfalcon [Carrier Variant] - 2022, J-21, J-31, J-35

China

Type: Multirole (Fighter/Attack)

Min Speed: 350 kt

Max Speed: 900 kt

Commissioned: 2022

Length: 16.8 m

Wingspan: 11.5 m

Height: 4.8 m

Crew: 1

Empty Weight: 13500 kg

Max Weight: 25000 kg

Max Payload: 7000 kg

Propulsion: 2x WS-13E

Sensors / EW: - China KLJ-7A AESA - (FC-31) Radar, Radar, FCR, Air-to-Air & Air-to-Surface, Long-Range, Max range: 333.4 km
- Generic IRST - (Advanced, generates AAW FC data) Infrared, IRST, Imaging Infrared Search and Track, Max range: 185.2 km
- Generic Laser Rangefinder - (Anti-Air & Surface) Laser Rangefinder, Laser Rangefinder, Max range: 7.4 km
- Generic Laser Designator - (Surface Only) Laser Designator, Laser Target Designator & Ranger (LTD/R), Max range: 18.5 km
- China BM/KJ 8602C - (RW 1045) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- Generic MAWS - (RW 1045) Infrared, MAWS, Missile Approach Warning System, Max range: 9.3 km
- Generic DECM [Advanced] - (2010s) ECM, DECM, Defensive ECM, Max range: 0 km

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Weapons / Loadouts:
- 1700 liter Drop Tank - Drop Tank.
- 250kg GPB - (Generic) Bomb. Surface Max: 1.9 km. Land Max: 1.9 km.
- CH-AA-7 Adze [PL-12C] - (2018+, Folding fins for J-20) Guided Weapon. Air Max: 92.6 km.
- CH-AA-9 [PL-10] - (2018) Guided Weapon. Air Max: 20 km.
- 500kg GPB - (Generic) Bomb. Surface Max: 1.9 km. Land Max: 1.9 km.
- LS-6-500 Extended-Range Bomb, GPS/INS [500kg HE] - (China, 2010?) Guided Weapon. Land Max: 55.6 km.
- LT-2 LGB [LS-500J, 500kg HE] - (China) Guided Weapon. Surface Max: 7.4 km. Land Max: 7.4 km.
- YJ-91 [Kh-31P, ARM] - Guided Weapon. Surface Max: 120 km. Land Max: 120 km.
- CH-AA-10 Abaddon [PL-15] - (2018+) Guided Weapon. Air Max: 200 km.
- YJ-91A [Kh-31A, ASM] - Guided Weapon. Surface Max: 50 km.
- YJ-83K [C-802AK] - (Aircraft) Guided Weapon. Surface Max: 250 km.