T-50 PAK-FA - 2010, Su-57 Prototype

Russia [1992-]

Type: Fighter

Min Speed: 350 kt

Max Speed: 1000 kt

Commissioned: 2010

Length: 21.4 m

Wingspan: 14.3 m

Height: 6.0 m

Crew: 1

Empty Weight: 16500 kg

Max Weight: 38000 kg

Max Payload: 4500 kg

Propulsion: 2x AL-41F1A

Sensors / EW: - L402 Himalayas [RWR] - ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- N036-1-01 Byelka AESA - (Su-57) Radar, Radar, FCR, Air-to-Air & Air-to-Surface, Long-Range, Max range: 398.2 km
- N036L-1-01 Byelka AESA - (Su-57, Wing Mounted, Range/Azimuth Only) Radar, Radar, Air Search, 2D Medium-Range, Max range: 222.2 km
- L402 Himalayas [DECM] - (PAK-FA) ECM, DECM, Defensive ECM, Max range: 0 km
- 101KS-V - (Atoll) Infrared, IRST, Imaging Infrared Search and Track, Max range: 185.2 km
- Generic MAWS - (Atoll) Infrared, MAWS, Missile Approach Warning System, Max range: 9.3 km
- 101KS-V [Laser Rangefinder] - (Atoll) Laser Rangefinder, Laser Rangefinder for Weapon Director, Max range: 7.4 km
- Su-57 IRST, Aft-Facing - (Atoll) Infrared, IRST, Imaging Infrared Search and Track, Max range: 185.2 km
- N036B-1-01 Byelka AESA - (Su-57, Cheek Mounted) Radar, SLAR, Side-Looking Airborne Radar, Max range: 148.2 km

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Weapons / Loadouts:
- AA-12 Adder C [R-77M] - (PAK-FA, Izdeliye 180) Guided Weapon. Air Max: 138.9 km.
- AA-11 Archer [R-74M2] - (PAK-FA, Izdeliye 760) Guided Weapon. Air Max: 27.8 km.
- 2000 liter Drop Tank - Drop Tank.
- AA-13 Arrow [R-37M, RVV-BD] - (2019, Izdeliye 610M, Axehead) Guided Weapon. Air Max: 300 km.
- AS-11 Kilter [Kh-58UShK, ARM, Semi-Ballistic] - (PAK-FA) Guided Weapon. Surface Max: 240.8 km. Land Max: 240.8 km.
- PBK-500U Unitary [INS + GLONASS] - (2016?) Guided Weapon. Land Max: 27.8 km.
- PBK-500U SPBE-K [INS + GLONASS] - (2016?) Guided Weapon. Land Max: 30 km.
- AS-22 [Kh-38MKE] - (GLONASS) Guided Weapon. Land Max: 37 km.
- AS-17 Krypton D [Kh-31PD, ARM] - Guided Weapon. Surface Max: 203.7 km. Land Max: 203.7 km.
- AS-18 Kazoo A [Kh-59M] - (1993) Guided Weapon. Surface Max: 111.1 km. Land Max: 111.1 km.

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