

# JF-17 THUNDER FIGHTER AIRCRAFT

This advanced, all weather, day and night multirole and light weight fighter aircraft is manufacture by joint venture of Pakistan and China. It is capable to carry latest weapons. It has state of the art avionics and computerized controls. It has high combat maneuverability.

## SPECIFICATION

### Physical Parameters

- Length 49 ft
- Height 15.5 ft
- Wingspan 31 ft
- Empty Weight 14,520 lb

### Armament

- No of Stations 07
- Total Load Capacity 3400 lb

### Performance Parameters

- Maximum Take Off Weight 27,300 lb
- Max Mach No 1.6
- Maximum Speed 700 Knots IAS
- Service Ceiling 55,500 ft
- Thrust to Weight Ratio 0.95
- Maximum Engine Thrust 19,000 lb
- G Limit +8,-3
- Ferry Range 1,880 NM

## DESIGN FEATURES

### Aerodynamic Configuration

- Bifurcated side air inlet with incorporation of latest BUMP intake technology for improved performance
- Leading edge maneuvering flaps
- Trailing edge flaps
- Twin Ventral Fins

### Landing Gear

- Nose gear with steering
- Main gear with paddle controlled hydraulic brakes and anti-skid braking system.

### Ejection Seat

- Latest Martin Baker high performance ejection seat
- Canopy Severance System for additional safety
- French Oxygen Regulation System
- Passive Leg Restraint System
- Environment Control System and Oxygen System
- Effective control of cockpit pressure and temperature
- Effective temperature and humidity control of cockpit and avionics for optimum performance
- Efficient Anti G system for Pilot
- Oxygen supply duration three hours

## WEAPONS

The aircraft is fitted with modern Stores Management System incorporating accurate weapon delivery modes and solutions involving minimum pilot workload. The aircraft is capable of carrying some of the most modern as well as conventional weapons, including:

- 70-100 Km range beyond visual range active missiles
- Highly agile Imaging infrared short range missiles
- Air to sea missiles
- Anti radiation missiles
- Laser guided weapons
- Runway penetration bombs
- General purpose bombs
- Training bombs
- 23 mm double barrel gun



### Comfortable Cockpit Escape and Egress System

- NVG compatible cockpit conforming to US MIL
- Standard, suitable for 3% to 98% percentile range of pilots.
- Single Piece Stretch Acrylic Transparent Canopy providing a good all around Field of Vie

### Fuel System

- Total internal fuel 5130 lb (3000 liters)
- Single point pressure refueling system

### External Fuel

- One centre line drop tank 800 liters
- Two under wing drop tanks 800/1100 liters

### Flight Control System

- Composite Flight Control System comprising conventional controls with stability augmentation in roll and yaw axis and fly by wire in pitch axis
- Quad-redundancy in Fly By Wire System
- Autopilot with Altitude hold and Attitude hold modes

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