



HORNET (Strsljen) X-01

Unmanned Helicopter



Basic data:

- Overall Length: 8,75 m
- Height: 2,44 m
- Width: 1,8 m
- Empty Weight: 400 kg
- Maximum Take Off Weight: 750 kg
- Payload / fuel + weapon /: 350 kg
- Fuel Capacity: 200 l (normal)
240 l (max)
- Main Rotor Diameter: 7.63 m
- Tail Rotor Diameter: 1.24 m

Performances:

- Maximum speed: 180 km/h
- Cruising speed: 160 km/h
- Rate of climb: 8 m/s
- Ceiling: 4000 m
- Endurance: 5.7 h (200 l)

Engine: 1 x Turbo shaft Phoenix-180

- Maximum power: 180 kW
- Weight: 65 kg
- Engine length: 720 mm
- Width and depth
(without exhaust): 425 mm x 390 mm

Design Features

Main rotor blades:

- Carbon Fiber Reinforced Plastic CFRP

Teetering rotor head controlled by electric driven actuators

Tail rotor blades

- CFRP

Nose cone structure:

- CFRP

Tail boom

- CFRP

Undercarriage and middle section made of chrom-molibdenum steel, covers CFRP

Turbo-shaft engine Phoenix

Equipment

On board computer:

- Controlling all system logic
- Autopilot
- Stabilizes all DOF

Optional:

- Radar Jamming System

Metasensing
SAR X-Band Radar
Guardian /optional

Navigation-communication system IMAR
GPS/GLONASS/INS or
Optional Direct-Sequence Spread Spectrum
Communication System

Radar Altimeter

Gyro-stabilized laser-optical
platform

4x air to surface TV guided missile "Spider"
or unguided missiles S8