DEVELOPMENT CONCEPT

BAAS STRATEGIC SUPPLY CORPORATION
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HORNET (Strsljen) X-01

Unmanned Helicopter

Basic data:

- Overall Length: 8,75 m
- Height: 2,44 m
- Width: 1,8 m
- Empty Weigh: 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:

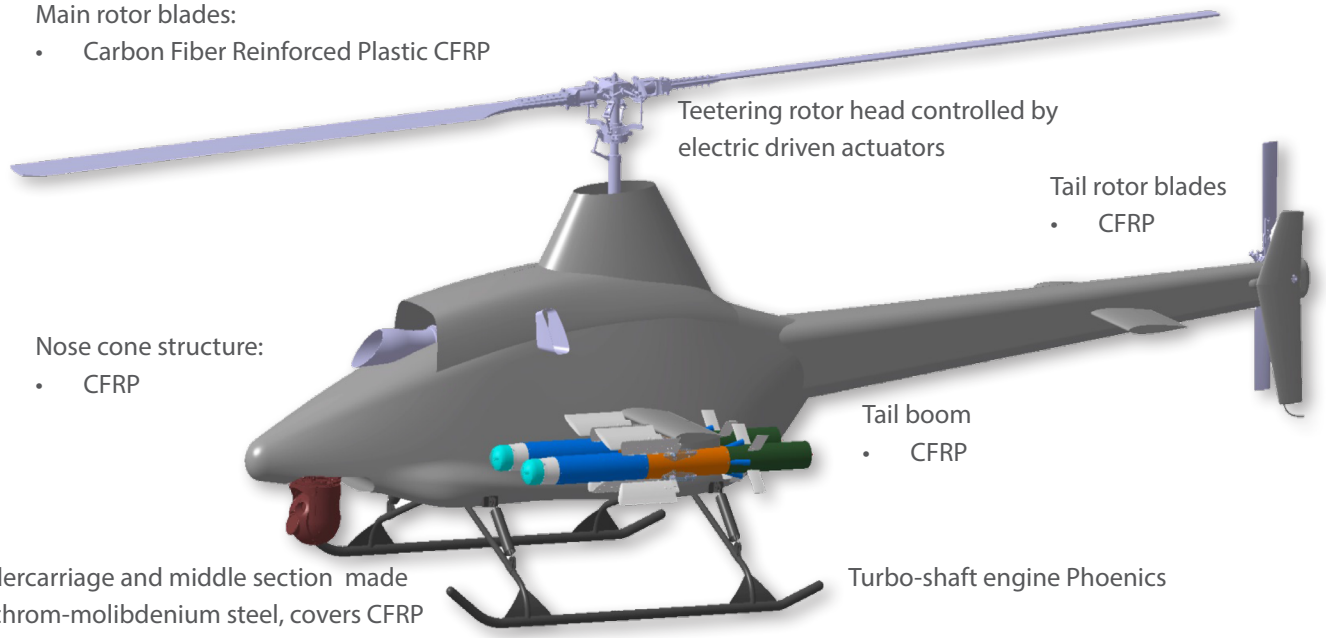
- Maximum speed: 180 km/h
- Cruising speed: 160 km/h
- Rate of climb: 8 m/s
- Ceiling: 4000 m
- Endurance: 5.7 h (200 l)

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

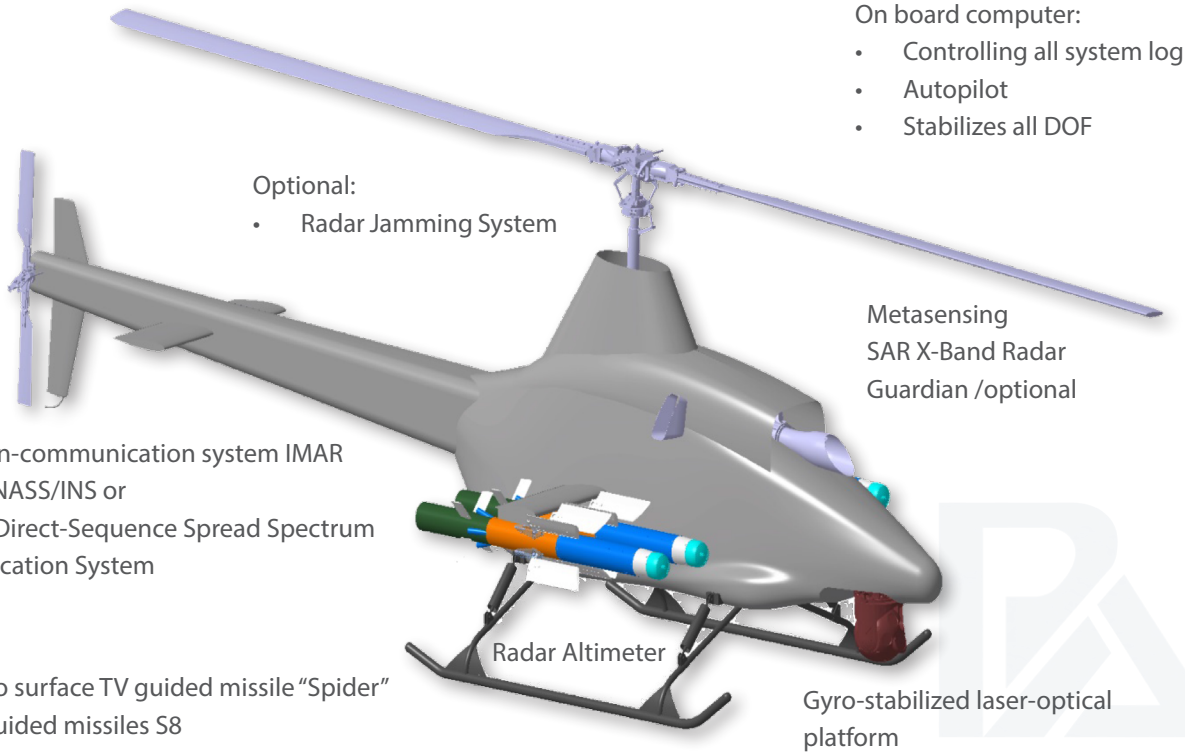
Tail boom
- CFRP

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

Turbo-shaft engine Phoenics

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

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

Gyro-stabilized laser-optical platform