

ROOIVALK COMBAT HELICOPTER INFORMATION SHEET

MISSIONS

- **Anti-armour**
 - Prime Target
 - Multiple Target
 - Long-range Target
- **Ground Suppression**
 - Area Suppression
 - Hard targets
 - Large Area Suppression
- **Anti-helicopter**
 - 4 missiles
- **Ferry, Reconnaissance and Counter-insurgency**

ARMAMENT

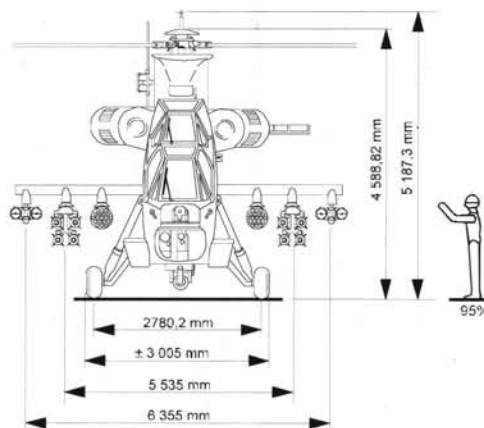
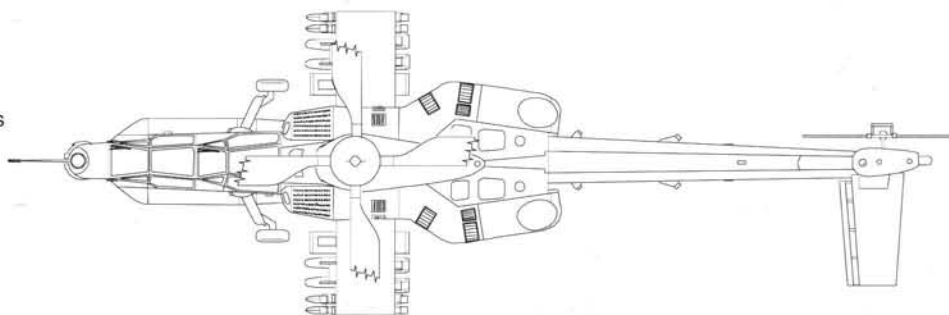
- **8 or 16 Anti-tank Missiles**
 - ZT-6 laser
 - ZT-6 mmW
 - Available international missile options
- **Air-to-air Missiles**
 - Mistral IR
 - V3 P
- **38 or 76 Unguided Rockets**
 - Variation of Warheads
- **20-mm F2 High-speed Cannon**

SURVIVABILITY

- **Low Detectability**
- **Low Vulnerability**
- **Crashworthiness Designed**
- **Threat Detection Warning and Jamming**

SIGHTING SYSTEM

- **Dual Helmet-mounted Sight and Display (HMSD)**
- **Stabilized nose-mounted sight with:**
 - FLIR, TV
 - Laser Rangefinder
 - Laser Designation
 - Autotracking
- **Pilot Night Vision System**



AVIONICS SYSTEM

- **Fully Integrated, Dual-redundant MIL-STD 1553B-based Avionics and Weapons System, providing the following Management Features:**
 - Total Mission Modes
 - Target Acquisition
 - Flight Control
 - Health and Usage Monitoring
 - Communications
 - Threat Detection and Control
 - Flight and Fuel

CREW

- **Pilot**
- **Weapon Systems Officer**

MASS

- **Maximum Take-off** 8 750 kg
- **Minimum Operating Mass** 5 730 kg
- **Maximum Internal Fuel** 1 469 kg

POWER PLANT

- **2x Makila 1K2**
- **Twin-engine**
 - Take-off Rating: 2 243 kW
- **Single-engine**
 - Super Contingency: 1 660 kW

FLIGHT PERFORMANCE

- **Maximum Speed (VNE)** 167 KTAS
- **Fast Cruise Speed** 150 KTAS
- **Maximum Sideways Speed** \pm 50 KTAS
- **Maximum Rate of Climb:**
 - Twin-engine Operation 2 620 ft/min
 - Single-engine Operation 1 128 ft/min
- **Maximum Range**
 - Internal Fuel 700 km
 - External Fuel 1 260 km
- **Maximum Hover Ceiling (OGE)** 17 900 ft
- **Maximum Hover Ceiling (IGE)** 19 200 ft
- **Excess Hover Power Margin** (OGE Sea level anti-tank mission) +39%