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: ± 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%