

MWARI



PARAMOUNT



MWARI

ADVANCED INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE
(ISR) AND LIGHT ATTACK AIRCRAFT

ONE AIRCRAFT, MULTIPLE MISSIONS, PRECISION OUTCOMES

GENERAL SPECIFICATIONS	General Characteristics and Layout	Twin Boom, Pusher Propeller and Forward Swept / High Wing Vertically Stepped Tandem Cockpit with Excellent Visibility High Floatation, Rugged, Retractable Under-Carriage Large Wheels and Good Ground Clearance for Rough Field Operations Interchangeable Conformal Mission Bay Automatic Flight Control System 6 Under Wing Hard Points (25 Around the Airframe in Total) Two Wet Pylons for External Fuel (Inner Wing Stations)	OPTIONS	Weapon Options (on Smart Pylons) • Cannon Pod (20mm) • Guide Rockets (70mm) • Guided Munition (Mk81 and Mk82 Smart Bombs) • Anti-Tank Guided Missile (Denel-Mokopa) Cockpit Equipment: • Ejection Seats (Martin Baker Mk16) • Canopy Fragilisation System • On-Board Oxygen Generation System (OBOGS) • Environmental Control System for Crew and Equipment • Latest Generation Fully Integrated Avionics System (IFR Certified) • Night Vision Compatible Instrumentation Panel • Health and Usage Monitoring System (HUMS) • Hands-On-Throttle and Stick (HOTAS) Mission System and Sensors: • Electro-Optical Sighting System (EOS) with Laser Designator • Wide Area Optical Scanner • Long Range Reconnaissance Radar (SAR) • Digital Mapping and Sensor Control • Image Processor (Multi-spectral, multi-source, image analysis, target recognition and alerting system) • Rear Cockpit Large Screen Mission Display (21") • Helmet Mounted Sight and Display System (HMDS) • Self-Protection System (LWR/RWR, MAWS, Chaff and Flares) • Electronic Warfare Equipment (Customer Specific) • Military Tactical Long Range Radios (Fast Frequency Hopping) • Broadband Satellite Communication • Long Range Video and Data Down Link • Multi-Spectrum Electronic Direction Finder Ground Support and Training System • Mission Planning Upload / Download System • Computer Based Training for Air and Ground Crew Transportability • Fit into Standard 40ft High Cube Shipping Container • Fit into C-130 on Special Pallet and two into C-17
PERFORMANCE	Maximum Cruise Speed	230 knots		
Stall Speed (Full Flaps)	70 knots			
Max Take-Off Weight (MTOW)	4500 kg			
Max Load Factor	+7.0 g and -2.5 g			
Take-Off Distance	600 m (2000 ft)			
Max Range (Internal Fuel Only)	1300 NM			
Max Range (With External Fuel)	2000 NM			
Max Endurance (Internal Fuel Only)	7 hours			
Max Payload with Full Fuel	800 kg			
Service Ceiling (at 3800kg)	21 000 ft			
Length, Wing Span, Height	10.85 m x 12.1 m x 3.5 m			
Power Plant	Pratt & Whitney PT6A-66B: (950 HP) or PT6A-67F (1700HP)			
Propeller	Hartzell 5 Blade (optimized)			