

C-UAS



MODEL: WARDEN

ARMORED PERSONNEL CARRIER (APC)

The APC bulletproof troop carrier model "WARDEN" is built with a non-monocoque armored body. The crew compartment floor uses a blast-resistant V-shaped design, providing strong ballistic and blast protection. Its wheeled-armored off-road chassis is powered by a high-pressure common-rail diesel engine paired with a 6AT automatic transmission and a high-low range transfer case, delivering exceptional off-road mobility.

The vehicle is designed multi-purpose vehicle (MPV) and modified to support the installation of detection and identification system, soft-kill and hard-kill systems, command and control system and various supporting

equipment related to anti-drone systems. The vehicle features five doors, each equipped with a reinforced heavy-duty lock and side-hinged design, with movable steps for rapid entry and exit. The dual-panel bulletproof windshield provides a wide field of view and includes an electric heating system for defogging.

The cabin accommodates 4 personnel with full gear and uses a high-capacity dual-evaporator air-conditioning system for reliable cooling. This ensures optimal and efficient mission performance, robustness, secure storage of system equipment, and maneuverability across diverse terrains and landscapes.



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MAIN FEATURES OF THE VEHICLE (CONTINUED)

ARMOURED PERSONNEL CARRIER (APC)

Vehicle Overview



VEHICLE'S DESIGN FEATURES

System Attribute	Parameter	Technical Notes
Overall Length (mm)	≤5990	Without movable steps, with front-mounted winch.
Overall Width (mm)	≤2450	
Overall Height (mm) (excluding roof-mounted equipment)	≤2750	Height of vehicle with equipment installed not exceeding 4.2 meter
Wheelbase (mm)	3700	
Drive Type	4x4	Part-time four-wheel drive
Driver's Position	Right-hand drive	Equipped with power-assisted system
Front/Rear Track (mm)	2010/2010	
Front Overhang/Rear Overhang (mm)	1140/1150	
Curb Weight (kg)	≤10500	Including passengers
Gross Vehicle Weight (kg)	12500	
Maximum Payload (kg)	≥2000	

MAIN FEATURES OF THE VEHICLE (CONTINUED)

ARMOURED PERSONNEL CARRIER (APC)

VEHICLE'S DESIGN FEATURES (CONTINUED)

System Attribute	Parameter	Technical Note
Maximum Speed (km/h)	120	
Maximum Speed with full load (km/h)	90	Superior traction performance
Minimum Ground Clearance (mm)	410	
Maximum Water Wading Depth (mm)	500	
Approach Angle	45°	
Departure Angle	44°	
Ramp Over Angle	35°	
Number of Occupants (persons)	4	2+2 persons.
Minimum Turning Radius (m)	7.9	
Operating Temperature Range	-30°C ~ +46°C	
Storage Temperature Range	-35°C ~ +65°C	
Fuel Tank Capacity (L)	330	Main and auxiliary fuel tanks.
Maximum Range (km)	800	
Body Protection	NIJ - STD - 0108.01 LEVEL III	
Bulletproof Glass	NIJ - STD - 0108.01 LEVEL III	Multi-layer PC board structure.

MAIN CONFIGURATION OF VEHICLE

ARMOURED PERSONNEL CARRIER (APC)

STANDARD CONFIGURATION

System Attribute	Parameter	Quantity	Technical Notes
Engine	Diesel Engine Model: ISDe 330 30 4-stroke 6 cylinders in line Horse power: 320 Hp RPM/min: 2500 Maximum Torque (N·m/r/min): 1200/(1400-1700) Displacement: 6.7L	1 PC	National III emission standards, high- pressure common rail
Gearbox	Automatic Transmission 6AT	1 PC	
Steering System	Hydraulic Power Steering	1 SET	
Tires	365/80R20 internally supported bulletproof tires, run-flat type	5 PC	4 main tires and 1 spare tire, made within 1 year
Suspension	Independent suspension system for both front and rear axles.	1 SET	
Fuel Tank	Iron fuel tank, 180L + 150L	2 PC	
Battery	165AH, 12V, maintenance- free	2 PC	
Braking	Front/rear disc brakes	1 SET	Pneumatic Parking braking Equipped with Anti- Roll system
	ABS	1 SET	
Reverse Monitoring	24V, 12.3-inch color screen	1 SET	24V
Air Conditioning	24V front and rear dual- evaporator air conditioning	1 PC	Rear roof- mounted evaporator
Bulletproof Glass	PC board, 42mm	Whole vehicle	
Driver's Seat	Mechanical vibration reduction, leather upholstered seats	1 SET	

MAIN CONFIGURATION OF VEHICLE

ARMoured PERSONNEL CARRIER (APC)

STANDARD CONFIGURATION (CONTINUED)

System Attribute	Parameter	Quantity	Technical Notes
Co-driver's Seat	Mechanical vibration reduction, leather material	1 SET	
Crew Seats	Leather upholstered seats	2 SET	
Floor	Blast-resistant	Whole vehicle	NIJ - STD - 0108.01 LEVEL III
Vehicle Tools	Common maintenance tools	1 SET	
Fire Extinguisher	Hand-held, 4.5kg dry powder	2 PC	
Windshield/ Window	Bulletproof glass Heat & UV Film Protection 99 % Light Opacity 50%	1 SET	Heat & UV Protection warranty 7 years.
Roof	Internal reinforcement beams (cross members)	1 SET	Designed and modified to support all components of C-UAS
Safety Feature	seat belts	-	Manufacturer's standard specifications
Color	Customizable to requirement	-	
Power Generator	Continuous full-system power supply for more than 24 hours	1 SET	
UPS	Continuous full-system (without hard kill) power supply for more than 1 hour during power failure	1 SET	High-grade uninterruptible power supply (UPS)
Surge Protection	Equipped with surge protection device	1 SET	For power supply and signal cables