

ARMA

6x6 WHEELED ARMORED VEHICLE



Otokar

OUTSTANDING PERFORMANCE SUPERIOR SURVIVABILITY

ARMA is a new generation modular multi-wheeled armored vehicle with superior tactical and technical features.

The modular and highly protected hull design of ARMA 6x6 provides a multipurpose platform that enables seamless integration of various types of mission equipment and/or weapon systems which meet the needs of modern armies in combat and peace keeping operations.

ARMA, being an agile and highly maneuverable platform, can be operated over long distances in a wide range of challenging terrains from deserts to arctic conditions.

Vehicle Concept

- State-of-the-art design and engineering
- Low silhouette and compact vehicle size with large internal volume and high payload
- Modular infrastructure for future operational requirements
- Superior mobility in a wide range of demanding terrains
- Armored monocoque hull protecting crew against a wide variety of threats
- Engine and power unit located at the right front of the vehicle
- Configurable to carry up to eight troops seated face to face, in addition to the driver and commander
- Ergonomically designed seating for protection and comfort
- Outstanding reliability, long service life and low life cycle cost





Mobility and Power

- Extraordinary mobility in both urban and cross-country environments
- Field proven in various on and off-road conditions under diverse climatic conditions
- Fully independent suspension
- High power to weight ratio
- Power-assisted two-axes steering system providing precise control and easy maneuverability with tight turns
- Central Tire Inflation System (CTIS) enabling the driver to adjust the tyre pressure while traveling
- Optional amphibious capability
- Powered by a turbo-charged diesel engine that generates high power and extraordinary torque at challenging terrains
- Superior reliability and maintainability
- Low fuel consumption and operational cost
- Optional amphibious capability by twin propeller drive with joystick control

Exceptional Cross Country Performance

The independent suspension system enhanced with Run Flat Tires, built-in Central Tyres Inflation System (CTIS) and Anti-locking Brake System (ABS) improves ground mobility and ride comfort even over the roughest terrain. Vehicle's mobility is further enhanced with longitudinal and transverse differential locks and the high power to weight ratio coupled with high ground clearance and approach/departure angles.

Survivability

- Modular ballistic protection, upgradable according to future threats
- Superior ballistic protection against KE projectiles and fragments
- High level of mine protection
- Enhanced protection against IEDs
- Equipped with Nuclear, Biological and Chemical (NBC) protection solutions
- Specially designed seats preventing body injuries such as head, neck, spinal cord and pelvis
- Five-point seat belt providing safe cruising for the crew

Fire Power

- Suitable for integration of various weapon systems
- Ideal platform for anti-tank or anti-aircraft missile systems



COMMON PLATFORM FOR VARIOUS MISSIONS AND APPLICATIONS

ARMA is designed to meet specific requirements of various customers in modern combat, peace keeping and humanitarian relief operations.

ARMA is available in various types of mission configurations such as Armored Personnel Carrier, Infantry Fighting Vehicle, Command Post, Ambulance, CBRN Reconnaissance, Driver Training, Reconnaissance, Mobile V/UHF Electronic Support System Vehicle, IED Detection and Deactivation System Vehicle.





PERSONNEL CARRIER WITH
OPEN CUPOLA



PERSONNEL CARRIER WITH
25 mm MKT MEDIUM CALIBER
ONE MANNED CLOSED TURRET



EXPLOSIVE ORDNANCE DISPOSAL (EOD)
VEHICLE



PERSONNEL CARRIER WITH REMOTE
CONTROLLED WEAPON SYSTEM



FIRE SUPPORT VEHICLE WITH
90 mm WEAPON SYSTEM



CBRN RECONNAISSANCE VEHICLE



PERSONNEL CARRIER WITH OPEN CUPOLA
(20 mm CANNON)



AMPHIBIOUS VEHICLE

SUPERIOR TACTICAL AND TECHNICAL CHARACTERISTICS





Transportability

- Integrated sling and tie-down provisions
- Transportability by rail and sea complying with international standards
- Air transportability

Interoperable and Modular System Infrastructure

- Enhanced Graphical User Interface for the driver to control and monitor subsystems
- Built-in test and on board diagnostic capability with automatic malfunction detection
- Open Software Architecture with capability of expanding for future needs

Integrated Logistic Support

- Use of Commercially Off-The-Shelf components and subsystems
- Low life cycle cost, superior-service life
- High reliability, High readiness for battle
- Ease of maintenance
- Training of operating and support personnel throughout the life cycle



ARMA 6x6 TECHNICAL SPECIFICATIONS

WEIGHT AND DIMENSIONS

Gross Vehicle Weight	Up to 23000 kg
Maximum Crew Capacity	Up to 10, including driver and commander
Length	7000 mm
Width	2750 mm
Height Over Hull	2460 mm
Ground Clearance	420 mm

ENGINE Turbo charged diesel engine
450 HP

TRANSMISSION Automatic

TRANSFER CASE Single speed with differential lock

AXLES Differentials with lock and geared wheel hubs

SUSPENSION Fully independent suspension with hydro-pneumatic struts on each wheel
or

Fully independent suspension with telescopic type shock absorber & helical spring

BRAKES Pneumatic service brakes with discs on each wheel, dual circuit with ABS

Pneumatic independent park brake system

STEERING Power assisted, steerable 1st and 2nd axles

TYRES 14.00 R20 with run-flat system

ELECTRICAL SYSTEM 24 V,

12 V, 120 Ah Maintenance-free Batteries,

28 V Alternator

STANDARD FEATURES

Central Tyre Inflation System

Radial Tyres with Run Flat Inserts

Anti-Locking Brake System (ABS)

Air Conditioning System/Heater

5 Point Seat Belts

Adjustable Seats for Driver and Commander

Floating Floor

Side Door

Roof Hatches

Gun Ports and Vision Blocks

Towing Eye

ARMATRONICS (Vehicle Electronics)

Driver's Vision Enhancement System

Driver Integrated Display

Blackout Lighting System, NATO Type Blackout System

Logging and Replay System (Video and Vehicle Data)

Embedded Diagnostics

Jump Start Socket

Fog Lights

Radio Provisions

OPTIONS

Amphibious Capability

Winterization Kit

Self-Recovery Winch

CBRN Filtration System

Automatic Fire Extinguishing and Explosion Suppression System

Radio/Intercom System

Smoke Grenade Launchers

Auxiliary Power Unit

Situational Awareness System

Commander Integrated Display

Navigation System (GPS/INS)

Ramp Door with Emergency Exit

Barricade Remover

>9 km/h	1500 mm	30%	60%	600 mm	1200 mm	42°/42°	>105 km/h / 700 km
Swimming Speed (Amphibious version)	Fording Depth	Slide Slope	Gradeability	Vertical Obstacle	Trench Crossing	Angle of Approach / Departure	Maximum Speed / Range

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Otokar

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