

ARMA

8x8 WHEELED ARMORED VEHICLE



Otokar

SUPERIOR MOBILITY OUTSTANDING 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 8x8 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 nine troops seated face to face, in addition to the commander, gunner and driver.
- 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-axles steering system providing precise control and easy maneuverability with tight turns
- Central Tyres 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 from 7.62 mm up to 120 mm (and also 120 mm mortar)
- Ideal platform for anti-tank or anti-aircraft missile systems



MISSION ORIENTED MODULAR INFRASTRUCTURE

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, Mobile Gun System, Mortar Carrier, Command Post, Ambulance, CBRN Reconnaissance, Driver Training, Reconnaissance, Maintenance, Recovery, Mine and IED Detection System Vehicle etc.





PERSONNEL CARRIER
WITH OPEN CUPOLA



FIRE SUPPORT VEHICLE
WITH 105 mm TURRET



IFV WITH ATGM LAUNCHER



AMBULANCE



PERSONNEL CARRIER WITH REMOTE
CONTROLLED WEAPON SYSTEM



PERSONNEL CARRIER WITH OPEN CUPOLA
(20 mm CANNON)



PERSONNEL CARRIER WITH
25 mm MKT ONE MANNED TURRET



PERSONNEL CARRIER WITH MIZRAK 30 MM
MEDIUM CALIBER REMOTE CONTROLLED
TURRET



AMPHIBIOUS VEHICLE



INFANTRY FIGHTING VEHICLE
WITH 30 mm WEAPON SYSTEM

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 8x8 TECHNICAL SPECIFICATIONS

WEIGHT AND DIMENSIONS

Gross Vehicle Weight	Up to 40000 kg
Maximum Crew Capacity	Up to 12, including driver and commander
Length	8000 mm
Width	3000 mm
Height Over Hull	2460 mm
Ground Clearance	450 mm

ENGINE

Turbo charged diesel engine
Up to 720 HP

TRANSMISSION

Automatic

TRANSFER CASE

Two speed with longitudinal 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 or 16.00 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
Ramp Door with Emergency Exit
5 Point Seat Belts
Adjustable Seats for Driver and Commander
Floating Floor
Roof Hatches
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
Gun Ports and Vision Blocks
All Wheel Steering System

> 9 km/h	1800 mm	30%	60%	700 mm	2000 mm	45°/45°	>100 km/h / 700 km
Swimming Speed	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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