

TECHNICAL SPECIFICATIONS	ARMA 6x6
DIMENSIONS AND WEIGHTS	
Overall length	6500 mm
Overall width	2700 mm (suspension with hydro-pneumatic struts) 2750 mm (suspension with telescopic type shock absorber & helical spring)
Overall height	2220 mm
Track width	2300 mm (suspension with hydro-pneumatic struts) 2380 mm (suspension with telescopic type shock absorber & helical spring)
Wheelbase	1530 mm, 1660 mm
Crew capacity	Up to 10, including driver and commander
Ground clearance	420 mm
Gross vehicle weight	18500 kg
ENGINE	8.9 liters, 6 cylinders, water cooled, turbo charged diesel Common rail, intercooler, 450 hp (336 kW) @ 2200 rpm 1627 Nm @1300 rpm, F-34 and F-54 fuel compatability
GEARBOX	Automatic, 6 forward - 1 reverse
TRANSFER BOX	Single speed with differential lock
AXLES	Differentials with lock and geared wheel hubs
SUSPANSION	Fully Independent suspension with hydro-pneumatic struts on each wheel or Fully independent suspension with telescopic type shock absorber & helical spring
BRAKES	Air-over hydraulic service brakes with discs on each wheel, dual circuit with ABS Air-over hydraulic independent park brake system or Pneumatic service brakes with discs on each wheel, dual circuit with ABS Pneumatic independent park brake system
STEERING	Power assisted, steerable 1 <sup>st</sup> and 2 <sup>nd</sup> axles
FUEL TANK	350 liters
TYRES	395/85 R 20 size radial tyres with run flat device or 14.00 R 20 size radial tyres with run flat device
ELECTRICAL SYSTEM	24 V electrical system installation, 190 A alternator capacity 2x12 V, 120 Ah batteries
PERFORMANCE DATA	
Power to weight ratio	24,32 hp/ton @ 18500 kg
Angle of approach	42°
Angle of departure	42°
Obstacle crossing	600 mm
Trench crossing	1200 mm
Gradeability	60%
Side slope	30%
Range	700 km
Maximum speed on road	105 km/hour
Water speed	8 km/hour

STANDARD EQUIPMENT
Central Tyres Inflation System (CTIS)
Run-Flat Tyres
Rear View Camera
Thermal Front Camera
Anti-Locking Brake System (ABS)
Air Conditioning System/Heater
Vehicle Electronic (ARMATRONICS)
Blackout Lighting System
Intervehicle Start Socket
Radio Provisions
On Vehicle Equipment
Central Main Switch

OPTIONAL EQUIPMENT
Self-Recovery Winch
NBC Protection Kit
Fire Suppression Systems
Intercom System
Amphibious Kit
Grenade Launchers
Hydraulically Operated Ramp Door
Navigation System (GPS/INS)
Auxiliary Power Unit (APU)
Barricade Remover

Technical features contain nominal data. These technical specifications may vary according to the vehicle specification and equipment. Otokar reserves the right to modify the specifications and equipment of vehicles beforehand. The details of the specifications and equipment may change according to the local needs and conditions.



# ARMA

## 6x6 WHEELED ARMoured VEHICLE

AZ66EG-15





## Outstanding Performance with High Survivability

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

Thanks to the modularity and highly protected armoured monocoque hull design, ARMA is a multipurpose platform allowing the integration of various types of mission equipment or weapon systems which can meet the current needs of the modern armies in real battlefield and peacemaking operations.

ARMA, being an agile and highly maneuverable platform, can cross 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
- Growth potential for future emerging requirements
- Superior mobility in a wide range of demanding terrains
- Armoured 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 ten troops seated face to face, in addition to the driver and commander
- Ergonomically designed seating for protection and comfort
- Exceptional travel comfort and safety for crew
- Outstanding reliability, long service life and excellent economy



### 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.

### Mobility

- Extraordinary mobility in both urban and rural environments
- 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 Tire Inflation System (CTIS) enabling the driver to adjust the tyre pressure while traveling
- Optional amphibious capability

### Power

- Powered by a six cylinder, turbo-charged diesel engine that generates high power and extraordinary torque at challenging terrains
- High power to weight ratio
- Superior reliability and maintainability
- Low fuel consumption and operational cost
- Optional amphibious capability by twin propeller drive with joystick control

### 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 RPGs, EFPs, 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

### Lethality

- Suitable for integration of various weapon systems from 7.62 mm up to 105 mm (and also 120 mm mortar)
- 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 battlefield, peace keeping and human relief operations.

ARMA is available in various types of mission configurations such as Armoured Personnel Carrier, Infantry Fighting Vehicle, Command Post, Ambulance, CBRN Reconnaissance, Driver Training, Reconnaissance, etc.



## Multipurpose Platform



ARMA PERSONNEL CARRIER WITH OPEN CUPOLA



ARMA PERSONNEL CARRIER WITH BOZOK 25 MM MKT MEDIUM CALIBER ONE-MAN CLOSED TURRET



ARMA PERSONNEL CARRIER WITH CLOSED TURRET WEAPON STATION



ARMA CBRN RECONNAISSANCE VEHICLE



ARMA EXPLOSIVE ORDNANCE DISPOSAL (EOD) VEHICLE



ARMA PERSONNEL CARRIER WITH REMOTE CONTROLLED WEAPON STATION



ARMA PERSONNEL CARRIER WITH OPEN CUPOLA (20 MM CANNON)



ARMA AMPHIBIOUS VEHICLE





# Superior Tactical and Technical Characteristics



## Transportability

- Integrated slinging and tie-down provisions
- Transportability by rail and sea complying with international standards
- Air transportability by C-130 or larger aircrafts

## Vehicle Electronics

- 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

## Supportability

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



Up to 8 km/h	1500 mm	30%	60%	600 mm	1200 mm	42°/42°
Swimming speed	Fording depth	Slide slope	Gradient	Vertical step	Trench crossing	Angle of Departure / Approach