

AKREP II

ARMORED RECONNAISSANCE,
SURVEILLANCE AND WEAPONS PLATFORM



Otokar

MOBILITY AND POWER SYSTEMS

AKREP II's four-wheel drive system and steerable rear axle (optional) give the vehicle excellent maneuverability. Relying on the four-wheel independent suspension and swift torque control of the power pack, AKREP II can travel cross-country over challenging terrain and traverse deep mud, snow or water with equal ease. Maneuverability of AKREP II is crowned by crab steering motion which comes with its steerable rear axle.

AKREP II controls the basic mechanical components of steering, acceleration and deceleration electrically (drive-by-wire). This makes possible to remote control of the vehicle or adapt the driving assistance systems and autonomous capabilities.

Reduced Silhouette and Signature for Unique Survivability and Fire Power

AKREP II has the advantage of a reduced silhouette. AKREP II can be equipped with alternative power sources, diesel, hybrid and electric. AKREP II serves low silhouette, high mine protection and efficient fire power on the same platform. With the help of electric and hybrid drive, thermal and acoustic signature of vehicle is minimized.



Interoperable and Multi Role Vehicle

As a multi-role vehicle suitable for various mission types, AKREP II has the ability to provide effective firepower without compromising survivability. Medium caliber turrets up to 90 mm can be integrated. AKREP II can also be configured for; weapon platform for quick reaction, surveillance missions, armed reconnaissance, air defense missions, forward observer and other similar tasks.



ARMORED RECONNAISSANCE VEHICLE



FIRE SUPPORT VEHICLE (90 mm TURRET)



ANTI AIRCRAFT MISSILE CARRIER



FIRE SUPPORT VEHICLE
(25/30 mm TURRET)



ANTI TANK MISSILE CARRIER



FORWARD OBSERVER VEHICLE
(ARTILLERY OR AIR FORCE)



AKREP II TECHNICAL SPECIFICATIONS

WEIGHT AND DIMENSIONS

| | |
|-----------------------|-----------------------------------|
| Gross Vehicle Weight | Up to 15500 kg |
| Maximum Crew Capacity | 3 (Driver, commander and gunner) |
| Length | 5900 mm |
| Width | 2500 mm |
| Height Over Hull | 1975 mm |
| Ground Clearance | 400 mm |
| Vertical Obstacle | 500 mm |
| Fording | 1000 mm |
| Turning Radius | 8 m (6 m with rear axle steering) |

ENGINE Diesel (360 HP, turbo intercooler), Electric (2 x 180 kW), Hybrid

TRANSMISSION Automatic 6 speed (for diesel version)

AXLES With differential lock

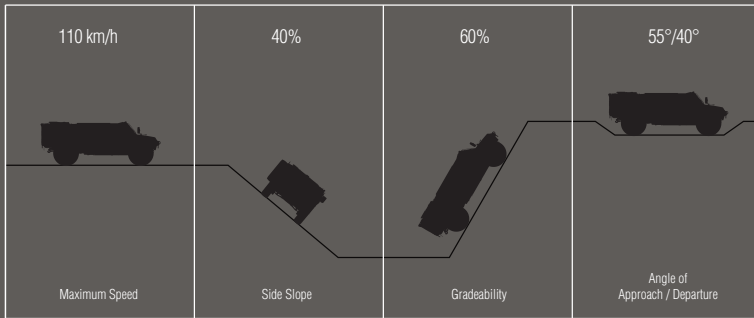
SUSPENSION Full independent suspension system with coil springs

BRAKES Disc brakes with ABS

STEERING Hydraulic (Rear axle steering and crab motion capability optional)

TYRES 395/85R20 with run-flat system

ELECTRIC SYSTEM 24 VDC AGM Batteries
For electric drive system high voltage Li-Ion Batteries



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STANDARD FEATURES

Central Tyre Inflation System (CTIS)
Radial Tyres with Run Flat Inserts
Anti-Locking Brake System (ABS)
Air Conditioning System and Heater
5 Point Seat Belts and Floating Floor
Towing Eye, front and rear
Driver's Vision Enhancement System
Built in Diagnostics
Blackout Lighting System
LED Lighting

OPTIONS

Drive-by-wire
CBRN Filtration System
Self Recovery Winch
360° Situational Awareness System
Radio/Intercom System
Smoke Grenade Launchers
Mirror Cameras
Automatic Fire Extinguishing / Explosion Suppression System
Commander Integrated Display (Depending on Vehicle Mission)
Navigation System (GPS/INS)
Rear Axle Steering and Crab Motion Capability
BMS (With Command Post Vehicle)
Spare Wheel

Otokar

Otokar Otomotiv ve Savunma Sanayi A.Ş.

Head Office: Aydınevler Mahallesi Saygı Caddesi No: 58 Maltepe 34854 İstanbul, Türkiye T: +90 216 489 29 50 F: +90 216 489 29 67

Factory: Atatürk Caddesi No: 6 Arıfıye 54580 Sakarya, Türkiye T: +90 264 229 22 44 F: +90 264 229 22 42

www.otokar.com

