



# KAYA II

MINE RESISTANT PERSONNEL CARRIER

Otokar



KAYA II is specially designed and developed as a Mine Resistant Ambush Protected Personnel Carrier based on torsionally flexible chassis. KAYA II provides enhanced mine and ballistic protection along with superior mobility in a wide range of demanding terrains under diverse climatic conditions. Single cabin monocoque body of KAYA II carries up to eight troops addition to driver and commander.



TECHNICAL SPECIFICATIONS	KAYA II
<b>WEIGHT AND DIMENSIONS</b>	
Gross Vehicle Weight	14500 kg
Maximum Crew Capacity	Up to 10, including driver and commander
Length	6450 mm
Width	2560 mm
Height Over Hull	2650 mm
Ground Clearance	490 mm
<b>CHASSIS</b>	Mercedes Unimog FGA 14.5 Special Purpose
<b>ENGINE</b>	Mercedes, Turbo charged diesel engine 302 HP
<b>TRANSMISSION</b>	Automatic
<b>TRANSFER CASE</b>	Two speed with high and low ranges
<b>AXLES</b>	Permanent All-Wheel drive (4x4) Portal axles with hub reduction gears differential locks engageable during driving, inter-axle locks and transverse locks
<b>SUSPENSION</b>	Progressive coil springs, telescopic shock-absorbers and stabilisers front and rear
<b>BRAKES</b>	Service Brake: Air brake twin circuit disc brakes with 4-channel ABS Parking Brake + 4 Wheel Lock: Spring brake system acting on the rear wheel brake discs Engine Brake: 2-stage, actuated pneumatically by multiple function levers at the steering column with exhaust flap and constant throttle
<b>STEERING</b>	Hydraulic power-assisted steering
<b>TYRES</b>	395/85/R20 with run-flat system
<b>ELECTRICAL SYSTEM</b>	24 V, 12 V, 120 Ah Maintenance-free Batteries, 28 V Alternator
<b>PERFORMANCE DATA</b>	
Maximum Speed	95 km/h
Fording Depth	1200 mm
Side Slope	30%
Gradeability	60%
Vertical Obstacle	500 mm
Trench Crossing	1000 mm
Angle of Approach	40° (w/o winch)
Angle of Departure	48°
Range	700 km

STANDARD FEATURES
Central Tyre Inflation System (CTIS)
Radial Tyres with Run Flat Inserts
Anti-Locking Brake System (ABS)
Hill Start Assist
Air Conditioning System/Heater
5 Point Seat Belts
Floating Floor
Roof Hatches
Gun Ports and Vision Blocks
Towing Eye
Blackout Lighting System, NATO Type Blackout System
Jump Start Socket
Fog Lights
Radio Provisions
Ramp Door

OPTIONS
Winterization Kit
Driver's Vision Enhancement System
CBRN Filtration System
Automatic Fire Extinguishing and Explosion Suppression System
Radio/Intercom System
Smoke Grenade Launchers
360° Situational Awareness System
Navigation System (GPS/INS)
Self Recovery Winch
Search Light



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