

iKlwa

MULTI-ROLE ARMoured VEHICLE



DENEL OMC

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DENEL VEHICLE SYSTEMS



The iKlwa* is a military fighting vehicle developed from the battle-proven Ratel Infantry Combat Vehicle.

This extremely cost-effective transformation, incorporates upgrades to existing elements combined with modern technology insertion. It is not merely a make-over but a major improvement on the Ratel, that increases the vehicle's capacity in almost every operational aspect. Additional, new design features make iKlwa the perfect support weapons and logistics platform.

For existing Ratel users, the iKlwa conversion offers a class-leading, modern fighting vehicle, without the costly need to change training packages doctrine or logistics.

The modular roof system, high internal volume and variable payload capacity makes it suitable for Armoured Personnel Carriers (APC), Infantry Fighting Vehicles (IFV) and gun platform roles. For large calibre artillery systems, a hydraulic outrigger system can be provided.

The distinctive Ratel nose with its near-upright driver's windscreen can be retained or replaced with a sloping section with a driver's hatch and episcopes.

* Named after the legendary short stabbing spear invented for his soldiers by Zulu King Shaka, the iKlwa incorporates the best battle-proven elements of the Ratel with state-of-the-art technology and design expertise to produce a unique wheeled defence and fighting vehicle for the 21st century.

Dimensions

Length (to rear of spare wheel)	7,100 mm
Width	2,520 mm
Height (to top of roof)	2,400 mm
Wheelbase	2,800/1,400 mm
Ground clearance (under transfer case)	455 mm
Angle of approach	42°
Angle of departure	48°
Hump radius 1-2 axle	1,655 mm

Mass

Gross Vehicle Mass (GVM)	23,500 kg
Tare	14,400 kg

Seating

Qty	*Driver + 15
*APC Variant	

Performance

Maximum speed (road)	> 110 km/h
Gradeability	60%
Turning circle (kerb to kerb)	13,5 m

Protection Levels

Ballistic protection	STANAG 4569A level 1 7.62 x 51 mm NATO ball 5.56 x 45 mm NATO ball @ 30 mm STANAG 4569A up to level 5 with appliqué armour
Mine protection	STANAG 4569B 2A STANAG 4569B 3A and 3B with additional packages

Engine

Make	Cummins ISL turbocharged intercooled
Maximum power (DIN)	336 kW @ 2,200 rpm
Maximum torque (DIN)	1,630 Nm @ 1,600 rpm

Transmission

Make	RENK HSV106
Type	6-speed automatic

Steering System

Type	Hydraulically assisted
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Axles

Front axle	MAN VA7/09 Beam axle with selectable diff lock
Rear axles	MAN H08 Beam axle with selectable diff lock

Suspension

Springs	Progressive rate coil springs, longitudinal arms and wishbones
Shock absorbers	Double-acting hydraulic

Brakes

Service brake	Dual circuit hydraulic/pneumatic
Parking brake	Spring-actuated on rear axles

Road Wheels and Tyres (standard)

Rim type	10.0 x 20" split rim
Tyre size	Michelin 16.00R20XZL or 14.00R20XZL

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