



DENEL OMC

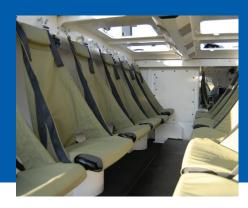


12 Barnsley Road Benoni, 1500, South Africa Telephone +27 11 747 3300, Fax +27 11 749 8298 www.denel.co.za









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 inventedfor his soldiers by Zulu King Shaka, the iKlwa incorporatesthe best battle-proven elements of the Ratel with state-of-the-art technology and design expertise to produce a uniquewheeled defence and fighting vehicle for the 21st century.

Dimensions

Mine protection

Length (to rear of spare whe	eel) 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 *APC Variant	*Driver + 15
Performance	
Maximum speed (road)	>110 km/h
Gradeability	60%
Turning circle (kerb to kerb)	13,5 m
Protection Levels	
7.62 x 5.56 x 45 mm NA STANAG 4	IAG 4569A level 1 51 mm NATO ball NTO ball @ 30 mm .569A up to level 5 n appliqué armour

STANAG 4569B 2A STANAG 4569B 3A and 3B

with additional packages

Engine

Make	Cummins ISL turbocharged intercooled
Maximum power	r (DIN) 336 kW @ 2,200 rpm
Maximum torque	e (DIN) 1,630 Nm @ 1,600 rpm
Transmission	
Make	RENK HSV106
Туре	6-speed automatic
Steering System	
Туре	Hydraulically assisted
Axles	
Front axle	MAN VA7/09 Beam axle with selectable diff lock
Rearaxles	MAN H08 Beam axle with selectable diff lock
Suspension	
Springs long	Progressive rate coil springs, itudinal arms and wishbones
Shock absorbers	Double-acting hydraulic
Brakes	
Service brake	Dual circuit hydraulic/ pneumatic
Parking brake S	Spring-actuated on rear axles
Road Wheels an	nd Tyres (standard)
Rim type	10.0 x 20" split rim
Tyre size	Michelin 16.00R20XZL or 14.00R20XZL

Disclaime

Denel © 2015 06.15.J0318.CC