



## ONCILLA PERFORMANCE CHARACTERISTICS

PARAMETERS	PARAMETER VALUE
Gross weight, kg	8800+3%
Combat crew, persons	3 (Commander, driver, gunner)
- Crew	3
- Troopers	6
Overall dimensions, mm:	
- Length / including winch	5450/5800
- Width	2450
- Height (to the hull top/ to the AA- machine gun in a travel mode)	2300/2700
Wheel base, mm	3100
Track width, mm	2000
Ground clearance, not less than, mm	400
Engine	DEUTZ BF 4M 1013FC   IVECO NEF 4 ENT
Maximum power, hp	190.5   209.5
Transmission gearbox type	Allison 1000   Automatic (6/1)
Driving performance:	
Outer front wheel min. turning radius, m	8.9
Max. highway speed, not less than, km/h	120
Fuel range, not less than, km	750
Obstacles bridged:	
- Max. climbing angle, degree	30
- Max. banking angle, degree	24
- Trench width, not wider than, m	0.7
- Forging depth, not deeper than, m	1.0
Weapon system, type	NSV
Machine gun caliber, mm	12.7
Armor protection level (NATO STANAG 4569)	2
with outer add-on passive armor plating (NATO STANAG 4569)	3
Air conditioning and heating system (NATO AECTP – 230)	A1 type
Standard APC equipment package includes central tire inflation system; hydraulic power steering; communications and satellite navigation systems; heating, ventilation and air-conditioning system (HVAC), automatic fire extinguisher system; filtering and ventilation unit; 6.8 t self-recovery winch.	
Due to Oncilla's high load capacity and good versatility the vehicle has great potential for further modernization. Taking its standard design as a base it is possible to develop the following types of vehicles:	
<ul style="list-style-type: none"> <li>• Radiation and chemical reconnaissance vehicle</li> <li>• Command vehicle</li> <li>• Reconnaissance and patrol vehicle</li> <li>• Self-propelled antitank missile system</li> <li>• Medical vehicle</li> <li>• Riot police vehicle.</li> </ul>	

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Information contained in this booklet is general in nature. The company reserves the right to modify the parameters of the vehicle.



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# ONCILLA

MULTI-PURPOSE DUAL-AXIS ARMORED PERSONNEL CARRIER (4X4 APC)





## Engine-transmission compartment

Armored personnel carrier is equipped with diesel engines DEUTZ BF 4M 1013 FC (190,5 hp) or IVECO NEF 4 ENT C (209,5 hp) and Allison 1000 automatic gearbox.



## Inhabited compartment

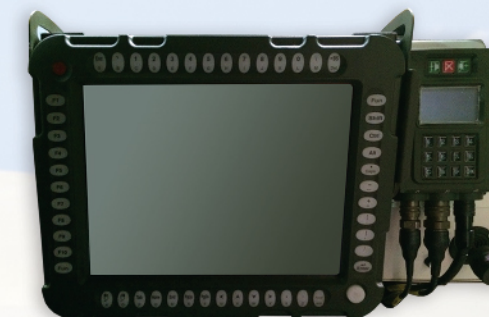
Inhabited compartment consists of a driving compartment, which includes the driver's workplace with the controls as well as the commander's seat with established means of communication and navigation.

Troop compartment is located at the rear of the inhabited compartment and is equipped with special mine protection seats.



## Armament

As weapons, there are two kinds of machine-gun installations: uninhabited machine-gun turret system with remote control and the open turret. Each of them is equipped with 12,7 mm machine-gun. Ammunition load is 450 rounds.



## Radio station

External communication is provided with VHF radio transceiver with an operating range of frequencies from 30 to 110 MHz. Maximum communication range is 35 km.

## Navigation

Radio navigation equipment determines the space-time vector of the absolute ground speed of the vehicle by GPS NAVSTAR radio satellite systems anywhere, at any time, regardless of weather conditions.