

## Technical Specifications

<b>General</b>	Gross Vehicle Weight	24,000 kg
	Max Gross Vehicle Weight	26,000 kg
	Unladen Weight	16,300 kg
	Length	7.78 m
	Width	2.97 m
	Height	2.46 m
	Seating capacity	13 (including driver)
<b>Performance</b>	Maximum Road Speed	105 km/h
	Minimum Speed	5 km/h
	Speed in Reverse	14.5 km/h
	Acceleration (0-50 km/h)	13.5 sec
	Turning Radius (Unassisted)	8.5 m
	Turning Radius (Assisted)	<6.1 m
	Range	300 km / 600 km
<b>Engine</b>	Make and Model	Caterpillar C9
	Type	6-cylinder 4-stroke Diesel Turbo-charged
	Gross Horsepower	450 hp (336 kW)
<b>Transmission</b>	Make and Model	Allison 4500SP Wide Ratio
	Type	Automatic
	Gears	6 forward, 1 reverse
<b>Steering</b>	Hydraulic Power Assisted Double Master Recirculating Ball System	
<b>Suspension Type</b>	Fully Independent Hydrogas Suspension Front: Double Wishbone Rear: Macpherson Strut	
<b>Brakes</b>	Dual circuit full Hydraulics with ABS / Traction Control system. Hydraulic assisted mechanical parking brake.	
<b>CTIS</b>	Fully Automatic Tyre Inflation System with Tyre Overspeed Protection	
<b>Wheel (Tyre)</b>	395/85 R20 XZL Radial equipped with Run Flat System	
<b>Driveline</b>	Independent Axles equipped with Smart Inter-Axle and Cross-Wheel Differential Locking System	
<b>Electrical &amp; Auxiliaries</b>	Alternator	Niehoff N1603-1
	Ampere	450 Amp
	Volts	28 V DC
	Air Conditioning System	Cooling capacity 16 kW (54,700 BTU/hr)
<b>Armament</b>	Type	Remote Control Weapon System (RCWS)
	Weapon (Configuration 1)	7.62 GMPG & 40 mm AGL (with Air burst kit)
	Weapon (Configuration 2)	0.5" HMG
	Secondary Weapon	Up to 2 x Rear GPMG
	Sight	Optical / TI / Eye-safe Laser Range Finder

Note: Specifications are subject to change by the manufacturer without prior notice.

# TERREX



## 8x8 Wheeled Armoured Vehicle

- High Mobility
- Large Payload
- Enhanced Survivability
- Cost Effective



Swimming



Trench Crossing



Skid Steer Capabilities



Vertical Step



Gradient Crossing



Closed Hatch Driving System

# Features

ST Kinetics Terrex 8x8 Wheeled Armoured Vehicle represents a new class of wheeled vehicles that is network-centric, highly mobile and survivable. The platform offers great flexibility in adopting any protection solutions, weapon configurations and vehicular customisation.

The vehicle can be configured to carry a remote control weapon system (RCWS) armed with a 0.5" HMG, a coaxial 40mm/7.62MG (equipped with 40mm Air Bursting Munitions System) or a 30mm cannon. An integrated all-round camera system provides excellent situational awareness around the vehicle and enhanced closed hatch driving capability in day and night conditions. The platform has a digital architecture that allows technology insertion such as vehicle navigation system, battle management system, power control management and state-of-the-art data and communication systems.

## Greater Mobility

Terrex is equipped with an independent suspension system that greatly improve ground mobility and ride comfort over the roughest terrain. Mobility is further enhanced with a built-in Central Tyre Inflation System (CTIS) – allowing automated inflation and deflation of tyres to suit different terrains while on the move. Coupled with large footprint off road tyres, Terrex is able to traverse soft ground with ease.

## Enhanced Protection

The Terrex can be equipped with passive or active armour suites, including those designed to provide effective all round protection against IED threats. The vehicle has excellent mine blast protection and may be installed with Nuclear, Biological and Chemical protection solutions.

## Performance



10km/h

SWIMMING

1.8m

FORDING

40%

SIDE SLOPE

60%

GRADIENT

0.6m

VERTICAL WALL

2m

TRENCH

# Variants

## Trooper

- Designed to provide rapid mobility with protection for up to 13 crews (including driver)
- Spacious interior that can be customised on either sides of the platform to house combat payloads



## Command

- Designed for command and control role in the battlefield
- Equipped with state-of-art data and communications systems



## Engineer

- Equipped with front push barrier for obstacles clearing
- Mounted with Heavy Short Trackway Bridge for bridge laying capability



## Ambulance

- Includes integrated Lift Support Equipment for casualty evacuation during field operations
- Mounted with 3 Stretcher Loading System (SLS) for fast loading/unloading of laid casualties



## ATGM

- Mounted with Spike ATGM system
- Ability to fire on board the platform



120mm Mortar



Recovery



30mm RCWS