

PENMAN

RAPTOR II



RAPTOR II is the latest generation of Armour-Protected Patrol Vehicle from PENMAN.

RAPTOR II offers Users the ultimate in Off-Road Performance combined with a highly-configurable Mission Module and comprehensive Protection. Integration of C4I and Weapon systems is straightforward, as is ECM/Counter IED equipment.

At Penman we offer Integrated Vehicle System Solutions, from Concept, through Design, Development, Testing, Manufacture and Logistical Support worldwide. Our customers benefit from this approach and are reassured that they are PENMAN PROTECTED™

PENMAN ENGINEERING LTD

Heathhall, Dumfries DG1 3NY, United Kingdom.
Tel: +44(0)1387 252784 Fax: +44(0)1387 267332

Email: info@penman.co.uk

www.penman.co.uk

Registered Office Registered No. 84160 Scotland



Secure in the knowledge you are protected ... PENMAN PROTECTED™

PENMAN RAPTOR II



PRODUCT FEATURES

WEIGHTS		ENGINE		BASELINE EQUIPMENT
Ready for operation	6700 kg	Manufacturer	Cummins	Air conditioning system
Payload available	2100 kg	Type	ISB 6.7 E3 230	Vehicle information system
Gross vehicle weight	8800 kg	Function	Common Rail	Runflat tires
		No. of cylinders	4-stroke / Diesel	Can bus system
		Performance	6	Preheat unit
		Emission compliance	180 kW (242 hp)	Heated power mirror
		Torque	EURO III	Electrically heated bullet proof glass
			925 Nm	
DIMENSIONS		TRANSMISSION		PROTECTION
Overall length	5.40 m	Manufacturer	Allison	Electrically welded high hardness armour steel plates with provisions for add-on armour and mine protection kits
Height	2.40 m	Type	2500 SP	
Overall width w/o mirrors	2.16 m	Transmission	5-speed automatic	Ballistic and mine protection: according to STANAG 4569, AEP55 certified
Wheelbase	3.53 m			Other ballistic and mine protection solutions available on request
Ground clearance	0.40 m			IED protection solutions
Angle of approach	42°			
Angle of departure	45°			
Number of seats	4 – 5			
VEHICLE PERFORMANCES		DRIVELINE AND SUSPENSION		OPTIONAL EQUIPMENT
Max. speed:		Wheel drive	Permanent, four wheel	Winch
high range	110 km/h	Transfer case	Two-speed	Central tire inflation system (CTIS)
low range	55 km/h	Differential	Torsen, self locking	Preheat unit
Gradient	60%			NBC overpressure system
Vertical obstacle	0.5 m	De-Dion axles with wheel hub gear, patented roll stabilizers		Customer specific C41STAR-, Weapon- and other systems
Turning circle diameter wall to wall	15.0 ± 0.5 m	Brakes	Air over hydraulic disc type with ABS	Customer specific roof and cargo module configuration
Fuel tank capacity	180 liters	Steering	Hydraulic power assisted	Snow chains
Range on hard level surface	700 km	Tires	335 / 80 R 20	Trailer hitch
Power-to-weight ratio	27.5 hp/t			Various mission kits
				Supplementary battery kit
				GPS
				Battery charger
				Emission compliance EURO V
				Engine
				Trailer air brake system

Please note that technical data referred to in the baseline vehicle may vary due to configuration, version and mission