

APC VEHICLE MILKOR

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MILKOR Vehicle Systems offers a wide range of designs, capabilities and customizability tailored to adapting needs and services.

Company’s vehicle design and development team have decades of experience within the defense industry allowing for proven and tested reliability and capability.

With the use of commercial, off the shelf components used in strategic areas, upgrades and maintenance can easily be configured.

DESCRIPTION	Fully welded monocoque hull from Strenx and Armour steel
USED FOR	Armoured Personnel Carrier, Police Riot Vehicle, Command Unit, Ambulance, Police Vehicle





TECHNICAL CHARACTERISTICS

Category	4x4 Milkor Mine-Resistant Ambush Protected (MRAP)
Model	Military
Type / Characteristics of Chassis	Drivetrain Iveco MI 150 E24
YOM	Year in progress, new Factory
Color	Will be determined at the time of signing the contract
Transportation Capacity	10 - 1 Driver, 1 Codriver + 8 passengers
Weight	+ 12000 kg - Front 6000 kg, Rear: 6000 kg
DOORS	1 Rear

ENGINE SYSTEM

Turbocharger	Turbocharge and intercooled Tector 4 stroke Engine
Number of cylinders	6 - In line
Bore (mm)	102
Stroke (mm)	120
Power (HP) / (KW)	240 / 180
Cylinders power (cc)	5880
Torque (Nm)	Minimum 810 @ 1200 to 2100
EEC emissions regulation	Euro 3
Number of valves	12
Governor	All Speeds
Cooling fan	Viscostatic
Fuel system	Common rail Bosch
Electrical System	
Tension	24 V, Negative earth return 2 x 12 V, 110 AH
Alternator	28 V, 70 A
Starter	24 V, 4 KW
Batteries	2 x 12 V, 110 AH
Circuits protected	By fuse
System	Multiplex - CAN linedata bus



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STEERING SYSTEM

Steering	Power assisted
Steering position	Left or Right
Turning diameter	8 meters radius

FUEL SUPPLY SYSTEM

Type	Common rail Bosch
Power	Electric injection control
Fuel	Diesel
Capacity of the fuel tank (L)	Minimum 200L.
Ballistic protection	With ballistic protection of Cal. 7.62 x 51 mm AP (B 7)

OPERATING CAPACITY

Gradient (%)	Minimum 60
Side slope (%)	Max 30°
Wading Depth (m)	Max 1 m
Angle of attack	Max 40°
Angle of attack with Winche	Max 30°
Departure Angle	40°
Maximum road speed (km/h)	100
Travel distance (full tank)	800 km

TRANSMISSION, BEARING, SUSPENSION AND BRAKES SYSTEM

Type of transmission	Allison 3000 auto box 5 speed
Transfer case	TC 700 3 shaft distribution 33% front and 67% rear + diff lock
Traction	4x4 drive with diff locks
Tires	1400 x 20 in
Rims	5 x 20 in
Suspension	Parabolic leaf springs multiy leaf. Anti-role bar front and rear
Brake System	Independent pneumatic circuit drums + exhaust brake
Shock absorbers	Hydraulic telescopic
Axle	Straight beam with hub reduction
Ratio	6,34



PROTECTION AND SECURITY

Body	Fully welded monocoque hull from Strenx and ArmoX steel
Windshield and glass	With ballistic protection: 7.62 x 51 mm AP
Engine compartment	With ballistic protection: 7.62 x 51 mm AP
Cooling system	Water
Exhaust pipe	Anti-insert

CERTIFICATIONS

B6 Protection	762 x 61 Ball. 9mm ArmoX 500T
Or B7 Protection	762 x 39 API(Chinese type 560. 5mm ArmoX adV 40mm air gap 9mm ArmoX 500T

ACCESSORIES

Communication and jamming system provided for but not fitted if Clint require it
Battery connector cable for direct recharge, portable light with extension adaptable to the vehicle panel lined with double connectors
Portable dry chemical extinguisher of two (02) kilos installed in the cargo compartment.
Safety triangle, wheel chock kit
Hydraulic jack and Wheel wrench
Reverse camera
Basic tool set with case
First aid kit



