



The V4 is the new Ultra-Light-Combat-Vehicle (ULCV)/GMV. Establishing itself as the vehicle of choice for agility and versatility, this lightweight and combat ready model serves the Search and Rescue and Law Enforcement arenas. Multiple options are available along with various PODs, which are quickly interchangeable, providing mission specific flexibility in one vehicle. The platform carries 9 persons comfortably, as well as up to 3 litters, and is 80% COTS (Commercial off the Shelf). The platform may also be adapted with armor; becoming an LRV (Light Reconnaissance Vehicle) which is resistant to 7.62 penetration and NIJ III approved materials. The V4 can be carried internally or externally by a CH-47 and various other carriers. The V4 is unique and the first of its kind; far superior to the Humvee or any other vehicles currently available.

V4



Physical Stats

Dimensions	194 in/ 493 cm Length X 74 in/ 188 cm Width X 79 in/ 201 cm Height (@ 3600 lb Payload)
Wheelbase	144 in/ 366 cm
Track	61 in/ 155 cm Front and Rear
Net Weight	4500 lbs/ 2041 kg Unladen (Less 200 Lbs. for Military Engine)
Payload	3500 lbs/ 1588 kg Standard
Gross Vehicle Rating	10,000 lbs./ 4536 kg
Ground Clearance	16 in+/40 cm+
Fording	36 in/91 cm Standard, 42 in/107 cm with Fording Kit
Fuel Capacity	40 gal/151 L
Fuel	Diesel, JP8 (Gas Optional)
Fuel Economy	24 MPG Highway, 14 MPG Off-Road
Electrical Power	2800 Watts (14 VDC/28 VDC)

Powertrain

Engine	Torque (lb.ft.)	HP	Emissions
Chrysler Dodge Jeep V6	410	240	US Tier 3/EURO 5/6
Ford 3.2 Liter Inline 5 Cyl.(Optional)	450	215	NONE

Transmission	Gear Ratio:	1	2	3	4	5	6	7	8	-	4.71
Jeep Dodge 8 Speed		3.14	2.10	1.67	1.29	1.00	0.84	0.67			
GM 4L60HD 6 Speed (Optional)											

Transfer Case	Ratio:	1.0 to 1.0 High/1.0 to 2.84 Low
Magna 2 Speed 2WD or 4 WD		

Functional Benefits

Pod Dimensions	79 in/201 cm Length X 47 in/119 cm Width X 42 in/107 cm Height (Length and height can be increased)
Pod Benefits	<ul style="list-style-type: none"> - Various styles configured as required - Slide in, self-loading - Capable of carrying 2 Pods - PODs can be integral structural part of platform
Troop Capabilities	No Pod: 2 Cab + 4 Passenger = 6 total Pod: 2 Cab + 4 Pod (mid) + 3 Pod (rear) = 9 total
Hydraulics	2500 PSI Hydraulic Quick Disconnect Coupling for Jaws of Life, etc

Optional Equipment

Power Station	Built-In 10 kw to 15 kw
4 Wheel Steering	
Winch	12,000 lb/11 kg
Cold Weather Kit	
Air	150 PSI Air Quick Connect (200 PSI available)
Redundancy	Batteries, Radiator Fans, Independent Compressors, Independent Air Tanks
Rear Deck Pod (Bolt-on) 3 Person Jump Seat	
Automated Hydraulic Jacks lifts vehicle off of ground, resulting in a stable platform for flat repair, service or slope stability.	
Air/Hydraulic Adjustable Suspension (AS) (Highlift)	
Man-Lift/Crane Pod	
120 VAC, 15 AMP or 15 KW Power Source	
Redundant Alternators (2 at 2800 Watt/ea)	
Custom Pods, Body Style, Paint Color or Vinyl Wrap Available Upon Request	



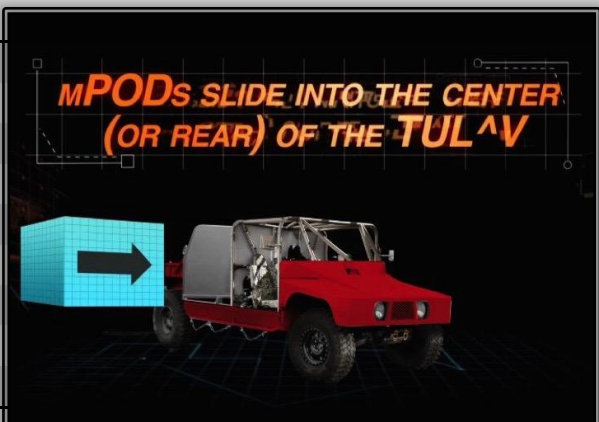
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ONE VEHICLE, MULTIPLE CONFIGURATIONS



Performance

Top Speed	70 MPH (100MPH Optional)
Acceleration / Braking	U.S. Army Proprietary
Turning Radius	25 ft/762 cm Standard (Less w/Optional 4 Wheel Steer)
Approach Angle	50 Degrees
Brake Over Angle	24 Degrees
Departure Angle	45 Degrees
Climbing	60% Slope
Air Conditioning Output	15,000 BTU
Heating Output	13,000 BTU



mPOD OPTIONS

POD EXAMPLES



TD100 HEATER POD



OIL SUPERSUKER POD



FIRE PUMPER POD



MEDICAL POD



- M101 Cargo Transport/Logistical
- M102 Medical Suite
- M103 Troop Transport
- M104 Weapons
- M105 Rescue/Breaching
- M106 TOC
- M107 Fuel Container
- M108 Water Container
- M109 Holding Cell
- M110 Custom



WE GET YOU THERE, SUPPORT YOU THERE, AND KEEP YOU SAFE

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