

GENERAL DYNAMICS
Land Systems

The Buffalo Mine Protected Clearance Vehicle (MPCV) is the recognized leader in route clearance missions around the globe and is currently in service with the United States, United Kingdom, Canada, France and Italy.

BUFFALO





BUFFALO

The Buffalo's improvements include increased engine power and greater compatibility, increased driving range, increased fording and slope angle performance, enhanced HVAC and a common spare for all six tires. The enhanced safety features include larger roof hatches for crew egress and both crew and engine compartment Automatic Fire Extinguishing Systems (AFES). With bar armor and air spade as optional features, the more powerful, improved Buffalo is ready to roll.

CONFIGURATION

Height – 156 in
Width – 106 in
Length – 323 in
Internal Hull Length - ~150 in behind Front Seats
Curb Weight – 53,500 lbs with bar armor
A2 GVWR – 66,000 lbs
A1 GVWR – 62,000 lbs
A2 Payload – 15,000 lbs
A1 Payload – 14,000 lbs
T-Case – Cushman 2 speed w/Neutral

PERFORMANCE @ GVW

Speed – 55 mph
Range – 330 mi with 85 gal fuel tank
Fording Depth – Unprepared 40 in
Approach Angle – 25°
Departure Angle – 60° w/rear ladder stowed
Side Slope - 30°
Ground Clearance – 18 in front; 25 in T-Case cover; 15 in rear

POWER TRAIN & SUSPENSION

Engine – Caterpillar C13 12.5 liter
Transmission – Caterpillar CX31, 6 speed
Horsepower – 440 @ 1800 RPM
Torque – 1483 @ 1400 RPM
Front Suspension – 30,000 lbs
Front Axle – Axletech 30,000 lbs; drive steer axle
Rear Suspension – 23,000 lbs (per side)
Rear Axle – Axletech 46,000 lbs
Tires – Michelin 16 R 20 XZL with 16,000 lbs aluminum rim w/run flat
Spare Tire – 1 spare for 6 position
Brakes – Air; brake chambers protected

DOORS/HATCHES

Doors – 1 rear
Hatches – 6 MIL-STD topside

AIR TRANSPORT

C-17 Transportable

SYSTEMS

Climate Control System – Air Conditioning (80,000 BTU, 1 Front & 2 Rear Units); Fresh air intake w/ direct ducting
Vehicle Tool Kit – Included
Communication – Rack w/power distribution center
Electrical – 24V w/12V power outlets
Batteries – 4 x 12V wired for 24V
Armor Protection – Restricted (available upon request)
Glass Protection – White water glass, Restricted (available upon request)
Mine Protection – Restricted (available upon request)

OTHER

Seating (Variable) – Driver & Co-Driver plus 4-man
Seat Belts – Four-point Harness
Fire Extinguishers – Automated engine & crew AFES System w/manual extinguisher
Bar Armor – RPG Protection
Air Spade – 175 PSI, 200 CFM