

Standard features of the Unimog U500 NA – 2005 model

Engine:

- MB 906 diesel engine; 260 hp at 2,200 rpm, torque 700 ft-lbs, max. rpm: 2,500
- Mercedes-Benz 6-cylinder diesel engine water cooled, turbo charger and intercooler
- Electronic injection governor (MR)
- Interlock starter switch
- US regulations for noise dampening will be respected, noise dampening insulation under cab deck
- Electronic accelerator
- Electronic hand throttle
- Electronically governed max. speed of 55 mph, (max. speed of 70 mph optional)
- Cooling fan, electronically regulated, hydraulic drive
- Air filter with pre-separator
- Air compressor; spur gear driven, water cooled, 15.5 ccm displacement
- 2-step engine brake, throttle in manifold, compression brake in cylinder head
- Governor characteristics for driving (RQV) and implement operation (RSV) electronically controlled
- Long maintenance intervals; after 700 engine working hours
- Cold start ability up to 1°F / -17°C

Weights:

- Gross vehicle weight (GVW): 26,000 lbs (11,800 kg)
- Front axle weight (FAW): 11,900 lbs (5,400 kg)
- Rear axle weight (RAW): 16,500 lbs (7,500 kg)

Wheelbases:

- Model 405.210: 131.89 in / 3,350 mm
Turning diameter: 49.54 ft / 15.1 m (wall to wall)
- Model 405.230: 153.54 in / 3,900 mm
Turning diameter: 55.45 ft / 16.9 m (wall to wall)

Transmission:

- Fully synchronized transmission, 8 forward, 6 reverse gears
- Permanent all-wheel drive with inter-axle differential lock
- Telligent® Shifting, Electronic Pneumatic Shifting (EPS) with Electronic Quick Reverse (EQR)
- Cruise control / speed limiter
- Preparation parts for retrofitting of front PTO (code N00)
- Retrofitting possibilities for transmission PTO (code N18)

Clutch:

- Single-dry clutch, diameter 15.5 in / 395 mm

Portal axles:

- Overall ratio: $i=5.92$; pinion / ring gear: $i=2.182$ (24:11); wheel hubs: 2.714 (38:14)
- Coil springs, telescopic shock absorbers, stabilizers front and rear
- Differential lock at rear axle

Brake:

- Dual circuit air brake system; pressure 117.5 PSI / 8.1 bar
- Front and rear pneumatic disc brakes
- Four-wheel antilock brake system (ABS), spring loaded parking brake
- Antilock brake system with mud and snow switch
- Air dryer
- All wheel air disc brakes

Cab:

- Compound fiberglass cab; corrosion free, structural integrity of cab according to EU reg. ECE-R29
- Hydraulic cab tilting device integrated
- Flat cab floor
- Storage compartments:
 - o Large storage compartments under dash
 - o Bottle and cup holder integrated in door molding
 - o Storage box on the rear cab wall
 - o Storage area behind the driver's seat
- Door mounted armrest
- Ashtray
- Ceiling console with mounting provisions for radio
- Driver seat, adjustable
- Large rear window
- A/C and heater with multi speed fan, dust filter and air re-circulation
- Interior lighting with reading light for driver and passenger
- Cab suspension with shock absorbers
- 3 coat hooks
- Adjustable head rests (on seats)
- Ergonomic center console, controls centrally arranged and installation provisions for CB radio
- Multi-layered, tinted panorama windshield and large door windows for excellent visibility
- Windshield wipers; intermittent, 3 settings, windshield washer
- 3-point safety belts in B-column
- 3 sun visors

Drive:

- Differential locks on rear axle, electric-pneumatic engagement while in motion
- Progressive helical springs
- Power steering

Chassis:

- 60 gal / 227 l aluminum fuel tank
- Front towing jaw with pin
- Anti-slip steps with handle for windshield cleaning
- Frame with integrated standardized mounting points for implement and body installation
- Front integral support for fitting front mounting plate (adjustable)
- High mounted air-intake pipe
- Non-corrosive fenders

Electrical system:

- Rear trailer socket (SAE J560), 12 V, 7 pins
- Exterior mirrors heated, electrically adjustable
- Batteries 3x12 V / 96 Ah, 680 A (EN) 2400 CCA total
- Vehicle electric system: 12 V / 24 V
- Electric and electronic parts with radio interference suppression (EMC proof according to EU standard)
- Electronic power train management system with diagnostic interface and onboard diagnostics
- 14 V / 145 A (2.72 hp) alternator
- Centrally located electronic control box, protected inside cab
- Battery main switch at battery box (code E33)
- Permanent power plug (code E37)
- 12 V / 25 A power outlet in cab with C3 road speed signal (rectangular impulses)
- Opening for wiring harness at front and rear side of cab
- Body builder plug-in at battery box incl. male end of connector (12 V / 40 A), (code E47)

Instruments:

- Electric controls located in center console
- Adjustable dash board illumination
- Multi-function switches on steering column:
 - o Right hand side: Hand throttle, cruise control, speed limiter and exhaust brake
 - o Left hand side: Headlight beams, blinker, windshield wash/wiper, horn
- Large instrument panel LCD-displays and gauges for:
 - o Selectable speedometer (USA: miles; CDN: km)
 - o Tachometer
 - o Air system pressure indicator for 1st and 2nd circuit
 - o Engine coolant temperature indicator
 - o Fuel level indicator
 - o Hydraulic oil indicator
 - o Differential locks indicator
 - o Ambient temperature indicator
 - o Brake pad wear indicator
 - o Clutch fluid level indicator
 - o Coolant level indicator
 - o Steering fluid level indicator
 - o Air filter restriction indicator
 - o Engine oil indicator
 - o Transmission gear indicator
 - o Hour meter
 - o Trip mileage odometer (USA: miles; CDN: km)
 - o Clock

Lights:

- Headlights
- Additional side indicators
- Clearance lamps
- Rear lights: Clearance, blinker, tail lights, reflector backup lights
- Lights on entrance steps

Accessories:

- Onboard tools

Wheels:

- 4 rims 22.5 x 9.00 (code R40)
- 4 tires 315/80R22.5 Michelin XDN Grip, 156L

Rust protection:

- Under coating (Dinol)
- Sea wax conservation (code Z68)

Others:

- 15 gal / 57 l diesel fuel ex works

Standard warranty:

- One year bumper to bumper warranty, mileage unlimited
- Engine two years warranty, mileage unlimited

Available tires:

- 4 tires 385/65 R22.5 Michelin XZY, 158K, W48-J26-4/80, 55 mph only
- 4 tires 395/85 R20 Michelin XZL, 168G 987-G56-4/80, 70 mph, no snow chains
- 4 tires 445/65 R22.5 Michelin XZL, 55 mph only, no snow chains
- 4 tires 445/70 R24 Michelin XM47, 151G 972-G67-4/80, 55 mph only
- 4 tires 445/65 R22.5 Continental AC70, 160G P48-G56-4/10, 55 mph only

Available spare tires:

- 1 tire 315/80 R22.5 Michelin XDN Grip, 156L F18-L76-1/80
- 1 tire 385/65 R22.5 Michelin XZY, 158K, W48-J26-4/80, 55 mph only
- 1 tire 395/85 R20 Michelin XZL, 168G 987-G56-4/80, 70 mph, no snow chains
- 1 tire 445/65 R22.5 Michelin XZL, 55 mph only, no snow chains
- 1 tire 445/70 R24 Michelin XM47, 151G 972-G67-4/80, 55 mph only
- 1 tire 445/65 R22.5 Continental AC70, 160G P48-G56-4/10, 55 mph only

Cab base colors:

- MB0841 LaFrance Red
- MB1239 Traffic Yellow
- MB2549 Pure Orange
- MB2603 Deep Orange (Highway Orange), (European municipal color)
- MB3535 Carmine Red
- MB5318 Ultramarine Blue
- MB6841 Light Yellow Green
- MB8400 Doe Brown
- MB9147 Arctic White
- MB9678 Pure White

Cab metallic colors:

- MB3512 Almandine Red Metallic
- MB5371 Veilchen Blue Effect
- MB5555 Zircon Blue Metallic
- MB6269 Tourmaline Green Metallic
- MB9154 Carbon Black Metallic
- MB9744 Zircon Silver Metallic