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## GMC Yukon 2005 4X4



**Technical Specs:** All Technical Specs are before vehicle armoring

### Engine

Standard Engine	5.3L V8 or 4.8L V8
Standard Transmission	4 Speed Automatic
Cylinders	8
Horsepower @ RPM	295@5200
Fuel Economy Cty/Hwy	15 / 19
Combined Fuel Economy	16
EPA Class	Four Wheel Drive SUV
Number of Valves	16
Torque @ RPM	335@4000
Fuel Type/System	Gas Engine / Sequential Electronic Fuel Injected
Turbo (yes/no)	No
Overdrive Transmission	Yes
Battery Output	N/A
Compression	9.5
Displacement	5359 / 327
Bore X Stroke	3.78x3.62



**Engine Continued**

Cruising Range	416
Final Drive Gear Ratio Opt	4.10
Power To Weight Ratio	N/A
Final Drive Ratio	3.42
Valves Configuration	Overhead Valve
Supercharged	No
Electric HorsePower RPM	N/A
Electric Torque Feet Per Pound	N/A
Electric Torque RPM	N/A
Electric HorsePower BHP	N/A

**Capacity & Volume**

Cargo Volume (EPA)	N/A
Cargo Volume (MFR)	63.6
Fuel Capacity	26.0
Passenger Volume (EPA)	N/A
Passenger Volume (MFR)	Not Listed
Box/Cargo Height	41.5
Box/Cargo Length	49.8
Box/Cargo Width (Wheel)	49.1
Box/Cargo Width (Wall)	59.8
GVWR Standard	6800
GVWR Maximum	6900
Payload Standard	1549
Payload Maximum	1556

**Brakes, Steering, Suspension & Tires**

Brakes (Front)	Disc
Brakes (Rear)	Disc
Driveline	Four Wheel Drive Selectable
Driveline (Opt)	N/A
Steering	Recirculating Ball
Steering Diameter Left	38.3
Steering Diameter Right	38.3
Suspension (Front)	Independent
Suspension (Rear)	Live
Tire Type	Passenger
Tire Width	265



**Brakes, Steering, Suspension & Tires Continued**

Tire Aspect Ratio	70
Tire Construction	Radial
Tire Wheel Diameter	16

**Interior Dimensions**

Seating (Standard)	6
Seating (Optional)	5/7/8/9
Tow Capacity (Standard)	7500
Tow Capacity (Maximum)	7800
Headroom (Front)	40.7
Headroom (Row 2)	39.4
Hiproom (Front)	61.4
Hiproom (Row 2)	61.3
Legroom (Front)	41.3
Legroom (Row 2)	38.6
Shoulder Room (Front)	65.2
Shoulder Room (Row 2)	65.1
Seating (Maximum)	9
Headroom (Row 3)	37.4
Hiproom (Row 3)	49.2
Legroom (Row 3)	27.3
Shoulder Room (Row 3)	64.4

**Exterior Dimensions & Weight**

Curb Weight MT	N/A
Curb Weight AT	5251
Ground Clearance	8.4
Height	76.5
Length	198.9
Top Type (Standard)	Hard Fixed
Top Type (Optional)	Not Applicable
Track (Front)	65.0
Track (Rear)	66.0
Weight Distribution AT (Front)	53
Weight Distribution AT (Rear)	47
Weight Distribution MT (Front)	N/A
Weight Distribution MT (Rear)	N/A
Wheelbase	116.0



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**Exterior Dimensions & Weight Continued**

Width	78.9
Doors (Standard)	4
Doors (Maximum)	4

**Origin**

Manufactured in	U.S.A. / Canada
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**Standard Features:****Transmission**

- 4-Speed Electronically Controlled Automatic Transmission With Overdrive and Tow/Haul Mode
- 3.42 Rear Axle Ratio

**Steering**

- Power Recirculating Ball Steering
- Tilt Steering Column

**Suspension**

- Independent Front Suspension With Torsion Bars, 46-mm Shock Absorbers and Premium Smooth Ride Type
- Live Multi-Link Rear Suspension With Coil Springs, 46-mm Shock Absorbers and Premium Smooth Ride Type
- 32-mm Front Stabilizer Bar

**Electrical**

- Towing Pre-Wiring
- 160-Amp Alternator
- 1 Cargo Area Power Outlet
- Cigarette Lighter With Ashtray
- 600 Cold Cranking Amp Battery
- Battery Saver
- Delayed Power Retention Operates Audio and Power Windows
- 3 Front Power Outlets, 1 Integrated With Cigarette Lighter



### **Braking & Traction**

- AutoTrac(R) Selectable 4WD System
- Automatic Locking Hubs
- AutoTrac(R) 2-Speed Transfer Case With Push Button Controls
- StabiliTrak(TM) Vehicle Stability Control System
- Rear Locking Differential
- 4-Wheel Anti-Lock Brakes
- Front Power 305-mm X 28-mm Disc and Rear Power 328-mm X 30-mm Disc Brakes
- Electronic Brake Force Distribution

### **Safety**

- Driver Airbag With Dual Stage Deployment
- Passenger Airbag Cutoff Sensor Activated By Seatbelt Engagement or Passenger Weight
- Passenger Airbag With Dual Stage Deployment
- Automatic Locking Retractor On Passenger 3-Point Seatbelts
- L A T C H
- Front and Second Row 3-Point Center Seatbelts
- Front and Second Row 3-Point Seatbelts In All Positions
- Side Guard Door Beams

### **Anti-Theft & Locks**

- Theftlock(R) Radio Anti-Theft
- Child Safety Door Locks Located On Rear Doors
- Power Liftgate Locks/Unlocks Via Remote
- Programmable Power Door Locks
- Selective Locking/Unlocking Via Remote Keyless Entry
- Vehicle Anti-Lockout
- Vehicle Anti-Theft Via PassLock(R) II Engine Immobilizer
- OnStar(R) Stolen Vehicle Tracking

### **Remote Controls & Remote Releases**

- Keyless Entry Operated Via Key Fob
- Multi-Function Remote Operates Door Lock/Unlock, Illuminated Entry, Panic Alarm and Anti-Theft
- Panic Alarm Sounds Horn and Flashes Lights



## **Seats**

- Front Driver Power Seat Adjusts 6 Ways Total
- Front 40/20/40 Reclining Split Bench Seat With Fold-Down Center Armrest, Driver Power Adjustable Seat Height and Manually Adjustable Outboard Headrests
- Cloth Seats
- Second Row 60/40 Folding Split Bench Seat and Seatback With Outboard Headrests and Fold-Down Center Armrest

## **Storage**

- Glovebox
- Front Dual Seatback Storage Pockets
- Second Row Armrest Storage
- Storage Bin Behind Rear Left Side Quarter Panel
- 2 Front Cupholders, 2 Second Row Cupholders and 2 Third Row Cupholders, 6 Cupholders Total
- Front Dual Door Mounted Storage
- Exterior Rails

## **Instrumentation**

- Cruise Control
- Steering Wheel Mounted Controls For Audio
- Service Interval Indicator For Brake Wear
- Compass
- Exterior Temperature Gauge
- Tire Pressure Monitor
- Oil Pressure Gauge
- Battery Gauge
- Digital Clock
- Audible Warnings Include Headlights-On, Key-In-Ignition, Seatbelts Unfastened and Turn Signal
- Tachometer

## **Interior Lighting**

- Interior Load Area Light
- Delayed Courtesy Light
- Illuminated Entry
- Front Map Lights and Second Row Map Lights



### **Exterior Lighting**

- Automatic Headlights With Automatic On/Off and Dusk Sensor
- Daytime Running Lights
- Front Halogen Foglights
- Twin Halogen Headlights

### **Entertainment, Communication & Navigation**

- Radio Data System
- Radio Antenna
- AM/FM Radio With Seek/Scan, Speed Sensitive Volume and 8 Speakers Total; Auto-Reverse Cassette Player; CD Player
- Pre-Programmed Equalizer
- OnStar(R) Virtual Advisor E-Mail Access
- OnStar(R) Telematics System With 12 Months Safe and Sound Service Plan Includes Automatic Collision Notification, Concierge Services, E-Mail, Emergency Response, Med-Net Family Medical History, Internet Services, Personal Calling, Remote Unlocking, Roadside Assistance, Security System Notification, Stolen Vehicle Tracking, and Vehicle Diagnostics
- OnStar(R) Personal Calling Hands-Free Telephone
- Telephone Antenna
- OnStar(R) Vehicle Location System

### **Heating, Ventilation & Air Conditioning**

- Separate Driver/Front Passenger Climate Controls
- Rear Heating Unit
- Rear Seat HVAC Controls
- Manual Air Conditioning
- Rear Heating and Air Conditioning Ducts

### **Interior, Design, Decor & Floor Covering**

- Second Row Carpeted Floor Mats
- Front Carpeted Floor Mats
- Leather Steering Wheel
- Color-Keyed Carpet Located In Passenger Cabin and Cargo Area

### **Wheels & Tires**

- Alloy Wheels, 16-In. X 7-In.
- SBRP265/70R16 BSW, All-Season Touring Tires
- Underbody Tire Carrier
- Full-Size Spare Tire



### **Windows, Mirrors & Wipers**

- Solar-Ray(R) Deep Tinted Glass On Rear Windows
- Electrochromic Interior Rearview Mirror
- Dual Color-Keyed Folding Power Adjustable Heated Exterior Rearview Mirrors
- Flip-Up Liftgate Window
- Dual Illuminated Vanity Mirrors
- Power Window Lockout
- Power Windows With Driver One-Touch Down
- Rear Window Defroster
- Solar-Ray(R) Tinted Glass On Front Windows
- Dual Cloth Sunvisors
- Intermittent Windshield Wipers
- Intermittent Rear Window Wiper/Washer

### **Exterior, Design, Paint & Finish**

- Front and Rear Chrome Bumpers
- Rear Chrome Step Up Bumper
- Gray Front Air Dam
- Metallic Paint (If Selected)
- Body Color Body Side Moldings With Bright Insert

## **MAINTENANCE**

### **1.1 MAINTENANCE Package (Optional)**

#### **1.1.1 Maintenance Levels**

The System Operators or Technical Personnel are responsible for the following Maintenance tasks and include the following:

- i. Preventive Maintenance such as Inspections.
- ii. Preventive Maintenance such as Cleaning.
- iii. Preventive Maintenance such as Services.
- iv. Corrective Maintenance such as Replacement of Items with a High Failure Rate or Wear-out Rate and which can be replaced with ease.
- v. Corrective Maintenance by Replacement of LRU's (Line Replaceable Units, Assemblies, Sub-assemblies etc.) with a High Failure Probability, High Criticality and which are within the Capability.



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- vi. Recovery of Equipment from the Deployment or Units to a maintenance level for Corrective Maintenance.

### 1.1.2 Maintenance Equipment

Available at all repair facilities

- i. Operating Equipment and Accessories.
- ii. Maintenance Equipment. (Toolboxes)
- iii. Maintenance Items.(Service Packages)
- iv. Spares as required.
- v. Support Equipment as required.
- vi. Special Support and Test Equipment as required.
- vii. Common Support and Test Equipment as required.

## 1.2 MAINTENANCE ELEMENTS

### 1.2.1 Documentation

The following documentation is used for vehicle Maintenance:

- i. Operators Maintenance Manual (OMM) for the Operators Maintenance Tasks.
- ii. Maintenance Schedule for the definition of all Preventive Maintenance.
- iii. Workshop Repair Manual (WRM) for Technical Maintenance Tasks.
- iv. Illustrated Parts Breakdown (IPB) to identify Spare Parts.
- v. Illustrated Stock List (ISL) to identify Support Equipment and Spares.

### 1.2.2 Support Equipment

The following types of support equipment are used for Maintenance:

- i. Support Equipment carried in the Equipment ETS Boxes including Operating Equipment, Accessories and Maintenance Equipment.
- ii. Support Equipment as required for Preventive and Corrective Maintenance.
- iii. Support Equipment required and consists of Special Tools and Common Equipment which are within the Capability.



### 1.2.3 Spares

The following types of spares are required for Maintenance:

- i. Spares kept in the Equipment ETS Boxes.
- ii. Preventive and Corrective Maintenance Spares.

### 1.2.4 Personnel

The following operating and or technical personnel are located at all repair facilities:

- i. Auto Electricians for Vehicle and PSU Electrical.
- ii. Auto Mechanics for diesel and petrol engines.

## Armoring

Vehicle Armoring is available in all different levels depending on customer preferences. For more information on armoring levels please visit [www.mushriquiconsulting.com/armorlev.htm](http://www.mushriquiconsulting.com/armorlev.htm)

NIJ Level III/B6 Armored Vehicles

### SPECIFICATION SHEET

Protection System	NATO CLASS / HIGH LEVEL
Glass Areas	44 MM BULLET-RESISTANT TRANSPARENT ARMOR, MULTI-LAYER GLASS AND POLYCARBONATE INNER LAYER
Glass Appearance	GLASS IS CURVED AND CONTOURED TO RETAIN THE APPEARANCE OF THE ORIGINAL GLASS. ALL TRANSPARENT AREAS IS ARMORED TO LEVEL B6 WITH 44MM BALLISTIC AUTO GLASS.
Front Side Driver Window	OPERABLE TO 6 INCHES



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Body Doors	PILLAR POSTS, SIDE PANELS, KICK-PANELS, FIREWALL, AND HEADERS (LATERALS) ARE ARMORED WITH BALLISTIC COMPOSITE MATERIAL EQUIVALENT MATERIAL OR AIR HARDENED HEAT TREATED BALLISTIC STEEL (NIJ LEVEL III AND EN 1063 B6 PROTECTION )
Roof	ARMORED WITH BALLISTIC COMPOSITE MATERIAL
Floor	FLOOR AREAS ARE ARMORED WITH MULTI-PLY RIGID BALLISTIC FRAGMENTATION MATERIAL COMBINED WITH KEVLAR MOLDED TO FORM FIT CONTOURS OF FLOOR BOARDS AND PANELS. DESIGNED TO DEFEAT THE FOLLOWING HAND GRENADES AND ALL LESSER EXPLOSIVES. TWO DM 51 (GERMAN NORM) HAND GRENADES PER SQ.M. DETONATED SIMULTANEOUSLY
Opaque Areas	<p>PROTECTS AGAINST SOFT CORE PROJECTILES FIRED WITH THE FOLLOWING AND ALL LESSER WEAPONS AT 90° AND 45° (ROOF) IMPACT ANGLE IN ACCORDANCE WITH CEN.</p> <ol style="list-style-type: none"> <li>1. CALIBRE 7.62 X 39 MM, FJ/PB/SC, AK 47, (KALASHNIKOV) OBR-43 PS</li> <li>2. CALIBRE 5.45 X 39.5 MM AP, FJ/PB/SCP, AKS 74, (KALASHNIKOV) OBR-74</li> <li>3. CALIBRE 5.56 X 45 MM, FJ/PB/SCP, US RIFLE M16 A2, SS-109 /M-855</li> <li>4. CALIBRE 7.62 X 51 MM, FJ/PB/SC, "FAL" / "LAR" NATO RIFLE</li> </ol>
Transparent Areas	<p>PROTECTES AGAINST SOFT CORE PROJECTILES FIRED WITH THE FOLLOWING AND ALL LESSER WEAPONS AT 90° IMPACT ANGLE IN ACCORDANCE WITH CEN.</p> <ol style="list-style-type: none"> <li>1. CALIBRE 7.62 X 39 MM, FJ/PB/SC, AK 47, (KALASHNIKOV) OBR-43 PS</li> <li>2. CALIBRE 5.45 X 39,5 MM AP, FJ/PB/SCP, AKS 74, (KALASHNIKOV) OBR-74</li> <li>3. CALIBRE 5.56 X 45 MM, FJ/PB/SCP, US RIFLE M16 A2, SS-109 /M-855</li> <li>4. CALIBRE 7.62 X 51 MM, FJ/PB/SC, (FN) "FAL" / "LAR" NATO RIFLE</li> </ol>



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<p>Transparent Areas Ballistic Properties</p>	<table border="1"> <thead> <tr> <th data-bbox="708 310 863 373">TYPE OF WEAPON</th> <th data-bbox="876 310 1032 373">CALIBER</th> <th data-bbox="1039 310 1240 373">BULLET</th> <th data-bbox="1247 310 1383 373">IMPACT SPEED</th> </tr> </thead> <tbody> <tr> <td data-bbox="708 382 863 596">RIFLE (E.G.: FAL G1)</td> <td data-bbox="876 382 1032 596">7.62 X 51, 305 MM LAY</td> <td data-bbox="1039 382 1240 596">STEEL FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD</td> <td data-bbox="1247 382 1383 596">830 + 10 M/S</td> </tr> <tr> <td data-bbox="708 604 863 945">RIFLE (E.G.: US M16)</td> <td data-bbox="876 604 1032 945">5.56 X 45, 178 MM LAY</td> <td data-bbox="1039 604 1240 945">COPPER FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD AND STEEL PENETRATOR SS109</td> <td data-bbox="1247 604 1383 945">950 + 10 M/S</td> </tr> </tbody> </table>	TYPE OF WEAPON	CALIBER	BULLET	IMPACT SPEED	RIFLE (E.G.: FAL G1)	7.62 X 51, 305 MM LAY	STEEL FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD	830 + 10 M/S	RIFLE (E.G.: US M16)	5.56 X 45, 178 MM LAY	COPPER FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD AND STEEL PENETRATOR SS109	950 + 10 M/S
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<p>Certification</p>	<ul style="list-style-type: none"> <li>• H. P. WHITE LABORATORIES U.S.A</li> <li>• UNITED STATES LABORATORY</li> </ul> <p>THE COMPLETE TESTING STANDARDS SET OUT IN THE GUIDELINES REFERRED TO, AS WELL AS THE TEST PROTOCOL AND ALL CERTIFICATES, MAY BE VIEWED.</p>												
<p>Suspension &amp; Braking System</p>	<p><b>REAR STABILISER BAR</b> UPGRADED TO A HEAVY DUTY MODEL</p> <p><b>BRAKING SYSTEM</b> IS FULLY MODIFIED TO PERFORM UNDER ADDITIONAL ARMoured VEHICLE BODY.</p> <p><b>TIRES AND RIMS</b> FITTED ARE FULLY APPROVED FOR THE HIGHER VEHICLE WEIGHT RATIO ACCORDING TO TÜV / MOT (DOT EQUIVALENT) TYPE RECOMMENDATIONS AND LEGAL REQUIREMENTS.</p> <p><b>MODIFICATIONS</b> ARE CARRIED OUT TO ASSURE THAT THE VEHICLE PASSES THE VERY EXACT GERMAN TYPE APPROVAL.</p>												



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<p>Extra Security Equipment Fitted as a Standard to Vehicle</p>	<p><b>REINFORCED HINGES:</b> SPECIALLY DESIGNED REINFORCED STRENGTHENED HEAVY DUTY DOOR HINGES A MINIMUM OF TWO EXTRA HINGES PER DOOR</p> <p><b>PROTECTED FUEL TANK:</b> COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS WITH LEVEL CEN B6.UTILIZING ARMORED STEEL</p> <p><b>PROTECTED VEHICLE MANAGEMENT SYSTEM (BLACK BOX):</b> COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS UTILIZING LEVEL CEN B6. WITH ARMORED STEEL</p> <p><b>RUN-FLAT TIRE SYSTEM:</b> 50 KM DISTANCE AT 50 Km/H SPEED.</p> <p><b>REAR CARGO:</b> 100% PROTECTION AGAINST FOREIGN PROJECTILES AND SPLINTERS. THE TRANSPARENT ARMOUR AREA PROVIDES REAR VIEW VISION WITH MINIMAL OBSTRUCTION.</p> <p><b>VEHICLE SUSPENSION STABILISING BARS:</b> ROBUST HEAVY DUTY HARD WEARING COIL SYSTEM. OEM COMFORT STANDARDS ARE MAINTAINED WITH THIS FEATURE.</p>
<p>Optional Security Extras</p>	<ul style="list-style-type: none"> <li>• ALARM SIREN</li> <li>• BATTERY PROTECTION</li> <li>• BEACON CONNECTOR</li> <li>• BULL BAR</li> <li>• CENTRAL DOOR LOCKING</li> <li>• FIRE EXTINGUISHER SYSTEM</li> <li>• FLAG POLES</li> <li>• FOG LAMPS</li> <li>• HEAVY DUTY CAR JACK</li> <li>• 10 TON WRENCH</li> <li>• 4 WINDOW OPERABLE LIFTERS</li> <li>• INTERCOM / PUBLIC ADDRESSING SYSTEM</li> <li>• MAGNETIC BEACON             <ul style="list-style-type: none"> <li>• RADIO/CD COMBINATION</li> <li>• STALK MOUNTED MAP READING LAMP</li> </ul> </li> </ul>



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Service Package	Local Service Provided in Iraq (Baghdad, at Camp Victory & Camp Brooklyn and for all other locations in Iraq like Mosul, Tikrit, Basrah and Balad a team of engineers & technicians will be sent on a secure military base) Kuwait , Jordan, Egypt, U.A.E. , U.S.A. , Canada, Russia, Brazil, Mexico, Turkey, Sweden, France, Italy, Afghanistan, and Germany. All other countries are available upon request, All the above have the ability to conduct full warranty, maintenance & service for ballistic and non ballistic needs
Strobe Lights	BLUE OR RED LIGHTS VISIBLE OR NON-VISIBLE EXCEPT WHEN TURNED ON CAN BE MOUNTED TO THE VEHICLE TO DRAW ATTENTION IN STANDARD TRAFFIC SITUATIONS.
Telephone / Radio Cable Preparation	PRE-WIRING HAS BEEN LAID THROUGHOUT THE VEHICLE TO ASSIST FURTHER INSTALLMENT OF COMMUNICATION EQUIPMENT FOR ON BOARD TELEPHONE.
Toolbox	Standard Tools included for emergency situations

### Warranty

- 3 YEARS OR 60,000 KM WHICHEVER COMES FIRST
- WARRANTY FOR DEFECTS IN MATERIALS AND WORKMANSHIP AFTER TRANSFER OF RISK.
- SERVICES UNDER THE WARRANTY SHALL ONLY BE PROVIDED FREE OF CHARGE IF THE DEFECTS ARE PROVEN IN DESIGN, MATERIALS OR WORKMANSHIP.
- THE WARRANTY IS EXTENDED TO ANY PARTS INSTALLED WHEN REMEDYING THE DEFECTS UNTIL EXPIRE OF THE WARRANTY PERIOD.



**SAMPLE (Pictures doesn't reflect car type)**

		
REAR HATCH DOOR	BATTERY COMPARTMENT	DOORS
		
ROOF	FRONT COMPARTMENT	RUNFLATS