

# 2007 TRAILERING WITH GMC TRUCKS



**GMC** | PROFESSIONAL GRADE

## YOU NEED THE RIGHT RIG TO GET THE JOB DONE RIGHT.

It takes the right truck to give you the specific trailering capabilities you need. A number of factors must be taken into account – everything from the weight of the load to driving conditions. This document will assist you in selecting the vehicle, powertrain and other equipment that best suit your particular application.

You should look for the same qualities in a tow vehicle that you do in any truck – you need it to be strong and powerful, as well as comfortable and accommodating. That's what makes GMC trucks such a smart choice for trailering. GMC trucks have what it takes for serious towing. Every truck shown in this document was engineered and manufactured with trailering in mind. And with the extensive lineup of GMC trucks, you can be sure there is one that is built to meet your trailering specifications.

## SAFE TRAILERING

Safe trailering isn't just a matter of hitching up and driving off – it places demands on all the major systems of your truck, including powertrain, steering, suspension and brake systems. Safe trailering also places the onus on you to meet legal requirements, follow break in and maintenance schedules, use proper vehicle and trailer loading guidelines and employ safe driving techniques. See your Owner's Manual for more information. Above all, safe and easy trailering requires a properly equipped vehicle. It is important to ensure that a vehicle is built to handle your specific trailering requirements. This will help you choose the right truck for the job.

## CAUTION

If you don't use the correct equipment and drive properly, you can lose control of your vehicle when you pull a trailer. For example, if the trailer is too heavy, your vehicle's brakes may not work well – if at all. Your vehicle passengers and you could also be seriously injured. Pull a trailer only after you have taken the following precautions. **Trailer Brakes** – If your trailer weighs more than 454 kg (1000 lb.)\* loaded, then it must have its own adequate brakes. Be sure to read and follow the instructions for the trailer brake controller so that it is installed, adjusted and maintained properly. **Hitches** – It's important to have the correct hitch equipment. Crosswinds, large trucks going by and rough roads are just a few of the reasons why you'll need the right hitch. Be sure to use a frame-mounted, weight-distributing hitch and sway control of the proper size if the loaded trailer will weigh more than the limit shown for a weight-carrying hitch in the specific vehicle notes. This equipment is very important for proper vehicle weight distribution and good handling.

**Note:** These safety steps are by no means the only precautions to be taken when trailering. See your vehicle Owner's Manual for additional information.

\*Sierras, Yukons and Yukon XLs can handle loaded trailer weights up to 907 kg (2000 lb.) where local regulations permit.

## TRAILERING CLASSIFICATIONS

| CLASSIFICATIONS                   | TYPICAL EXAMPLES  | WEIGHT RANGE<br>(Gross Trailer Weight)   | TYPICAL HITCH TYPE                                   | TYPICAL HITCH WEIGHT<br>(tongue or kingpin)  |   |
|-----------------------------------|---|--|--|--|---|
| <b>Light-Duty Class I</b>         | Folding camping trailer, snowmobile and jet-ski trailers                  | Up to 907 kg (2000 lb.)                  | Weight-carrying hitch                                | 10%-15% of loaded trailer weight<br>91 kg (200 lb.) maximum                                      |   |
| <b>Medium-Duty Class II</b>       | Single axle trailer, open utility trailer and small boat trailers         | 908 kg – 1588 kg<br>(2001 – 3500 lb.)    | Weight-carrying hitch                                | 10%-15% of loaded trailer weight<br>159 kg (350 lb.) maximum                                     |   |
| <b>Heavy-Duty Class III</b>       | Dual axle trailers, larger boats and enclosed utility trailers            | 1589 kg – 2268 kg<br>(3501 – 5000 lb.)   | Weight-carrying or Weight-distributing hitch         | 10%-15% of loaded trailer weight<br>272 kg (600 lb.) maximum                                     |   |
| <b>Extra Heavy-Duty Class IV</b>  | Large horse or travel and fifth-wheel recreational trailers               | 2269 kg – 4536 kg<br>(5001 – 10,000 lb.) | Weight-distributing or fifth-wheel hitch             | 10%-15% of loaded trailer weight.<br>544 kg (1200 lb.) maximum<br>for weight-distributing hitch. | 15%-25% of loaded trailer weight.<br>Maximum limited by truck's GVWR.                     |
| <b>Maximum Heavy-Duty Class V</b> | Largest horse, travel and fifth-wheel recreational or commercial trailers | 4537 kg (10,001 lb.) and over            | Weight-distributing, fifth-wheel or gooseneck hitch. | 10%-15% of loaded trailer weight.<br>680 kg (1500 lb.) maximum<br>for weight-distributing hitch. | 15%-25% of loaded trailer weight.<br>1588 kg (3500 lb.) maximum<br>for fifth-wheel hitch. |

## WHEN IT COMES TO TRAILER TOWING, ALL VEHICLES ARE NOT CREATED EQUAL. IT'S IMPORTANT TO SELECT THE RIGHT VEHICLE WITH THE PROPER EQUIPMENT FOR THE JOB.

Before you can select the right tow vehicle, you need to define your trailering requirements, including the trailer type, its loaded weight and the way it will be used. Pick your trailer first.

Even if you plan to tow a trailer for only one or two trips a year, your tow vehicle must be strong and stable enough to be safe under the most extreme towing situations it is likely to face. Will towing include trips in mountainous areas with long, steep grades and high altitudes? Will you be driving it in extreme temperatures? Will road conditions, winter operation or slippery boat ramps dictate the need for four-wheel drive? Each of these factors has an impact on your choice of a towing vehicle. If you plan to use a vehicle primarily for towing, you should optimize its trailering equipment. If instead you are going to use a vehicle primarily for personal transportation with only occasional towing, your need for specialized equipment may be less. But the vehicle still needs to be capable of towing the

trailer you have selected – even the most basic trailering requires some special equipment. Obviously, trailer weight is critical in vehicle selection. In making this calculation, don't forget to include your estimate of the weight of passengers, cargo and other equipment in the tow vehicle. Once you have established your trailering requirements, you are ready to determine specifications for the tow vehicle. Properly selected vehicle components provide the added durability needed to support, move and stop the extra weight of a trailer.

## LOCKING REAR AXLE

A locking-type differential is available in most GMC trucks and is standard in many. It permits normal differential action, which helps prevent tire scuffing when turning. If the differential senses an excessive difference in speed between the rear driving wheels, it forces power to the wheel with the best traction and is more effective than the limited slip designs used by most competitors. This advantage is most evident on slippery surfaces where traction is at a premium, such as on boat ramps and ice- or snow-covered roads.

## TOW/HAUL MODE

Most GMC trucks equipped with a 4-speed automatic transmission feature a Tow/Haul mode,\* which helps minimize wear and tear on the transmission by reducing the frequency of transmission shifting when pulling a heavy trailer. It also improves performance and control of your vehicle's speed, for smoother operation. Pressing the Tow/Haul mode selector switch located on the end of the gearshift lever (on the instrument panel in Savana Vans) produces a more aggressive transmission shift pattern, which lengthens the shift intervals and produces firmer upshifts. Take note: this is not the overdrive lock-out used by many competitors. In fact, Tow/Haul mode, combined with Passive Shift Stabilization, permits towing in overdrive for optimum fuel efficiency in most situations. The Passive Shift Stabilization feature detects and reduces a condition referred to as "shift busyness."

\*Except GMC Canyon, GMC Envoy, Buick Rainier, Pontiac Montana SV6 and Buick Terraza.



# POWERTRAIN SELECTION

The greater your towing requirements, the greater the demand you place on your vehicle's powertrain. That's why it is so important to carefully select all your powertrain components in response to your trailering needs. Below are some key guidelines.

## ENGINES

The information presented in the charts in this document is intended to help you identify the right engine for your application. The charts show, by vehicle type and trailer weight, the minimum engine sizes and available axle ratios needed to provide good performance at legal highway speeds with no significant reduction in long-term durability.

Engine performance is measured in horsepower and torque. Horsepower is a measurement of the work an engine can produce and is a factor of both torque and engine speed. Torque is a twisting force normally expressed in pounds-feet (lb.-ft.). You need torque, to put a twisting force on the drive axles and to turn the wheels when you start a load moving. The engine's torque can be multiplied using transmission and drive axle gears. Higher numerical gear ratios increase the leverage (twisting force) on a rotating shaft. GMC truck engines are designed with a broad rpm range in which high torque can be produced and sustained.

A larger engine with greater torque and horsepower will provide a performance improvement while operating with less strain. For example, higher horsepower allows the engine to maintain highway speeds when pulling a heavy trailer uphill.

Under the following higher performance demands, it is advisable to choose an engine larger than the minimum recommendation, if one is available:

- if much of the towing will be at high altitudes, since a gasoline engine loses approximately 10% of its power for every 1000 metres of altitude
- if mountainous terrain involving long, steep grades will be encountered frequently
- if the trailer has a very large frontal area, which adds to air drag and therefore to pulling requirements



## TRANSMISSIONS

Transmissions provide various gear ratios that allow for higher engine rpm relative to road speed. They also multiply the engine's torque to provide the pulling power needed to reach cruising speeds. All GMC truck transmissions\* feature an overdrive top gear that reduces engine speed when cruising, for improved fuel efficiency.

Some GMC trucks offer a choice of manual or automatic transmission. General Motors recommends automatic transmissions for trailering. Automatic transmissions utilize a torque converter (a type of fluid coupling) between the engine and transmission gears. The torque converter is capable of more than doubling the engine's torque when starting to move a heavy trailer, in addition to acting as a cushion to reduce shock loading of powertrain components. The increased twisting force from the torque converter is further multiplied by the transmission gears to provide outstanding load-starting capability – and there is no conventional clutch to slip and burn out.

Caution: The torque converter's operation causes heat to build up in the automatic transmission's oil, so all GMC automatic transmissions have an oil cooler. For heavy-duty applications such as trailering, your vehicle should be equipped with additional transmission oil cooling if not standard equipment.



\*Except Torrent which uses a 5-speed automatic transmission with a 2.65:1 final drive ratio.

## REAR AXLE RATIOS

Another important consideration when determining an ideal trailering vehicle is the rear axle ratio. Higher axle ratios (4.10:1, for example) increase engine speed relative to road speed, resulting in increased horsepower development and torque multiplication. This produces greater towing power, but with a possible reduction in fuel efficiency when lightly loaded. Overdrive transmissions help to reduce this negative.

Lower ratios (3.42:1, for example) translate into lower engine rpms, reducing the torque at the drive wheels. Some gains may be expected in fuel efficiency when lightly loaded and not towing.

## SELECT THE CORRECT AXLE RATIO FOR YOUR REQUIREMENTS

| Lower Numerical Ratio<br>(such as 3.42:1) | REAR AXLE RATIO                                    | Higher Numerical Ratio<br>(such as 4.10:1) |
|---|--|--|
| Lower                                     | ENGINE SPEED (RPM)                                 | Higher                                     |
| Slower                                    | ACCELERATION                                       | Faster                                     |
| Less                                      | FUEL CONSUMPTION                                   | More                                       |
| Less                                      | PERFORMANCE<br>(Trailering or mountainous terrain) | Greater                                    |

Charts on pages 6 through 15 show the axle ratios required, with available engines, to provide the torque development for good performance with various loads.



## KNOW YOUR WEIGHTS AND HITCHES

Overloading of tow vehicles and trailers compromises safety and can result in vehicle failure. An understanding of the following terms will assist in proper vehicle selection and help prevent overloading.

### DRY TRAILER WEIGHT

The weight of the empty trailer as manufactured. This weight, usually shown on a vehicle identification plate, is not usually used as a measure for the selection of a tow vehicle.

### LOADED TRAILER WEIGHT

The weight of the trailer (Dry Weight) plus all equipment, fluids and cargo. Loaded Trailer Weight can be determined by putting the fully loaded vehicle on a commercial vehicle scale. If this is not practical, the trailer's Gross Vehicle Weight Rating (GVWR), as found in the trailer manufacturer's literature or brochures for the model selected, can be used when selecting a tow vehicle.

### MAXIMUM TRAILER WEIGHT RATING

Often referred to as the Gross Trailer Weight Rating, it is the most weight that a given vehicle can safely and reliably haul, as determined by the manufacturer. This rating usually requires optional equipment such as a specific axle ratio, suspension components, engine and/or transmission coolers and type of hitch. The rating assumes the tow vehicle is properly equipped with a driver allowance of 68 kg (150 lb.) and no cargo. The weight of additional options or equipment, passengers and cargo must be deducted from the trailer weight rating.

### GROSS VEHICLE WEIGHT RATING (GVWR)

The maximum allowable weight, as determined by the manufacturer, for any vehicle (or trailer) including the weight of the vehicle, fuel and other fluids, driver and passengers, cargo and equipment. Tongue Weight or Kingpin Weight (see below) is included when trailering.

### CURB WEIGHT

The weight of the empty vehicle as equipped, including a full tank of fuel. It does not include the driver, passengers or cargo – so it is similar to Dry Trailer Weight.

### PAYLOAD WEIGHT

The weight carried by the vehicle, including the driver, passengers and cargo, plus options or aftermarket equipment such as boxliners, hitches or fifth wheels. It should not exceed the Gross Vehicle Weight Rating (GVWR) minus the Curb Weight.

### GROSS AXLE WEIGHT RATING (GAWR)

The maximum allowable weight that can be carried on a vehicle's axle or individual suspension system, either front or rear. It includes the weight of the vehicle plus cargo and equipment supported by the axle and includes Tongue Weight or Kingpin Weight when trailering. These ratings are shown on the vehicle's Certification Label, usually located in the driver's door frame, and should not be exceeded, nor should the total load exceed the GVWR.

### TONGUE WEIGHT/KINGPIN WEIGHT

The weight of the trailer tongue or kingpin that is carried on the hitch ball or fifth-wheel hitch, respectively. This is a critical measurement as it has an impact on vehicle handling. Too much Tongue/Kingpin Weight causes overloading of the rear axle, causing the front suspension to lift and reducing steering response. Too little Tongue/Kingpin Weight can reduce rear-wheel traction and cause excessive swaying or jackknifing. Depending on the type of hitch being used, Tongue Weight is generally 10-15% of the Loaded Trailer Weight. Kingpin Weight is usually 15-25% of the trailer weight. Some adjustment to Tongue Weight or Kingpin Weight can be made by moving the cargo in the trailer.

### GROSS COMBINATION WEIGHT RATING (GCWR)

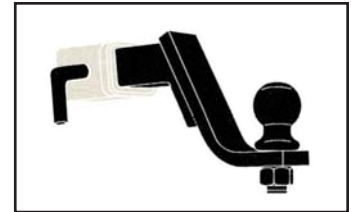
The maximum weight allowable, as established by the manufacturer, for the truck, the trailer, all equipment, total payload, fuel, fluids and occupants. This is the total loaded road-ready rig.

### HITCHES

Once you have selected your vehicle, the next step is making sure you have the necessary equipment to help you trailer safely and confidently. The vehicle owner is responsible for obtaining the hitch ball, a hitch of the proper size, type and capacity, and other appropriate equipment required to safely tow the loaded trailer.

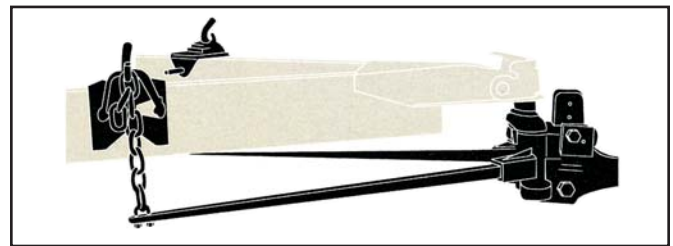
There are three categories of trailer hitches: weight-carrying, weight-distributing and fifth-wheel. Each is designed for specific types of trailering.

Weight-Carrying Hitch is the most basic and most common hitch for light and medium weights. A weight-carrying hitch uses a hitch ball mounted to a draw bar or a step-bumper and supports the trailer tongue weight just as though it were cargo located at the ball. The hitch ball must match the trailer coupler and meet or exceed the maximum trailer weight rating.



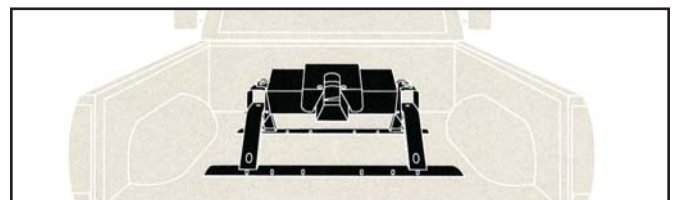
Draw bar type weight-carrying hitch.

Weight-Distributing Hitch is used for heavy trailering. This hitch, with its equalizing bars and snap-up brackets, applies leverage between the tow vehicle and the trailer to help distribute your trailer's tongue weight evenly to your vehicle and trailer instead of "carrying" the load mostly on the rear of the vehicle. The brackets and spring bars raise the hitch point parallel to the ground, equalizing the load onto all axles. This results in a more level ride, reduced weight on the rear suspension and provides improved steering and braking control.



Weight-distributing hitch.

Fifth-Wheel Hitch, or gooseneck hitch, is used for heavy trailering with a full-size pickup, and it must be attached to the truck's frame, usually just slightly ahead of the rear axle centreline. Make sure to follow the manufacturer's installation instructions, paying careful attention to the truck's payload capacity and rear axle weight ratings. These kingpin loads are generally higher than conventional trailer tongue loads and for most calculations becomes the payload in the truck box. The addition of kingpin weight must not cause the vehicle to exceed its GVWR or GAWRs.



Fifth-wheel hitch.

# NOTES AND CONDITIONS

## TRAILER LOADING

Maximum trailer ratings are calculated based on a properly equipped tow vehicle with a driver as its only occupant. The weight of additional equipment, passengers or cargo will reduce the trailer rating. **In addition to the weight of the trailer, maximum trailer weight includes the weight of passengers, equipment and cargo in the tow vehicle, plus any cargo on the trailer.** The addition of the trailer's tongue weight (or fifth-wheel kingpin weight) must not cause the vehicle weights to exceed the Rear Gross Axle Weight Rating (RGAWR) or Gross Vehicle Weight Rating (GVWR). The tongue load of any trailer is an important weight to measure because it affects the total or gross vehicle weight of your vehicle as well as the front and rear axle loads.

If a weight-carrying or a weight-distributing hitch is used, the trailer tongue weight should be 10-15% of the total loaded trailer weight. The kingpin weight of fifth-wheel trailers is typically 15-25% of the loaded trailer weight. After you've loaded your trailer, weigh the trailer and then the tongue separately on a commercial scale to see if the weights are accurate. If they are not, some adjustment can be made by moving some cargo fore or aft in the trailer. **Do not exceed the maximum allowable tongue weight for your vehicle.** The weight of additional equipment, passengers or cargo in the tow vehicle will reduce the allowable tongue weight. Refer to the Owner's Manual for additional information. A Certification/Tire label can be found on the rear edge of the vehicle's driver-side door. The label shows the size of the original tires and the inflation pressures needed to obtain the gross



weight capacity of the vehicle. The GVWR (Gross Vehicle Weight Rating) and both front and rear GAWRs (Gross Axle Weight Ratings) are also indicated. Never exceed the GVWR, or the GAWR for either the front or rear axle.

## TRAILER BRAKES

The towing vehicle's brake system is rated for safe operation at the GVWR and not the GCWR.

If the loaded trailer will weigh more than 450 kg (1000 lb.), it must have its own separate brakes when towing with a compact or mid-size truck, or a Savana Van. The GM full-size pickups, sport-utilities and chassis cabs can haul trailers weighing up to 907 kg (2000 lb.) without a separate trailer brake system, where local regulations permit. Trailer brakes come in three main types:

**1. Electric actuation brakes** typically utilize the tow vehicle's battery power and the brake light circuit to trigger their function. They provide both automatic and manual control of electric trailer brakes. Recent versions have attempted to use a sensor in the tow vehicle's hydraulic system in order to vary trailer brake pressure in concert with the driver's input. The GM full-size pickups and sport-utility vehicles with the available Z82 Trailing Special Equipment Package provide an under-dash provision for an Electronic Brake Controller (EBC) jumper harness. This special wiring harness, with 4 blunt cut wires, is included with the Trailing Package. It allows the EBC to electronically adjust brake pressure to the trailer brakes.

**2. Hydraulic actuation brakes** tap into the tow vehicle's own brake system and are not recommended. Although brake modulation is very good, this method is restricted to large tow vehicles with high volume master cylinders and strongly assisted power brakes. Care must be taken to follow proper installation procedures or complete loss of braking may result. The trailer's brake parts must be able to withstand 3000 pounds per square inch of pressure and not use more than 0.02 cubic inches of fluid from the tow vehicle's master cylinder.

**3. Surge brakes** actuate hydraulic trailer brakes via a master cylinder mounted in the trailer coupler. As the vehicle slows, the trailer presses (or surges) against the hitch, operating the master cylinder and applying the brakes. Surge brakes are ideal for marine trailers where the wheels may be submerged. Surge brakes present problems when backing up, as they will lock on unless some manually actuated override is provided.

**NOTE:** Be sure to read and follow the instructions for the trailer brake controller so that it is installed, adjusted and maintained properly. Many jurisdictions require a "breakaway" device which activates the trailer brakes automatically in the event the trailer becomes detached.

## TRAILERING AND THE LAW

Trailer laws vary from place to place. A set-up that's legal in one province may not be legal in another, or in an American state. In some locations, you may be required to have a commercial driver's licence. It pays to check ahead when planning a trip to ensure your trailering rig meets the local requirements in all provinces and/or states you will be visiting.

**BE SURE AND READ THE TRAILERING INFORMATION FOUND IN YOUR VEHICLE OWNER'S MANUAL.**



# THE ALL-NEW SIERRA 1500 PICKUPS

## BALL HITCH TRAILERING WITH THE ALL-NEW SIERRA 1500 PICKUPS

| ENGINE  | Vortec 4.3L V6 (LU3)         |                     | Vortec 4.8L V8 (LY2)         |                     | Vortec 5.3L V8 (LY5/LMG/LH6/LC9) |                     | Vortec 6.0L V8 (L76)         |                     |
|---|------------------------------|---------------------|------------------------------|---------------------|----------------------------------|---------------------|------------------------------|---------------------|
| Horsepower  | 195 @ 4600                   |                     | 295 @ 5600                   |                     | 315 @ 5200                       |                     | 367 @ 5500                   |                     |
| Torque (lb.-ft.)                                      | 260 @ 2800                   |                     | 305 @ 4800                   |                     | 338 @ 4400                       |                     | 375 @ 4300                   |                     |
| MODEL   | Max. Trailer Weight kg (lb.) | Axle Ratio Required | Max. Trailer Weight kg (lb.) | Axle Ratio Required | Max. Trailer Weight kg (lb.)     | Axle Ratio Required | Max. Trailer Weight kg (lb.) | Axle Ratio Required |
| C10703 - Regular Cab<br>6' 6" Standard Box, 2WD       | 2177 (4800)                  | 3.23                | 2359 (5200)                  | 3.23                | 3266 (7200)                      | 3.42                |                              |                     |
| C10903 - Regular Cab<br>8' Long Box, 2WD              | 2132 (4700)                  | 3.23                | 2268 (5000)                  | 3.23                | 3175 (7000)                      | 3.42                |                              |                     |
| C10553 - Extended Cab<br>5' 8" Short Box, 2WD         | 2359 (5200)                  | 3.73                | 3175 (7000)                  | 3.73                | 3629 (8000)                      | 3.73                | 4037 (8900)                  | 3.73                |
| C10753 - Extended Cab<br>6' 6" Standard Box, 2WD      | 1996 (4400)                  | 3.23                | 2177 (4800)                  | 3.23                | 3084 (6800)                      | 3.42                | 3992 (8800)                  | 3.73                |
| C10753 Extended Cab<br>6' 6" Standard Box, 2WD - NHT* | 2223 (4300)                  | 3.73                | 3084 (6800)                  | 3.73                | 3538 (7800)                      | 3.73                | 4672 (10,300)                | 3.73                |
| C10953 - Extended Cab<br>8' Long Box, 2WD             | 1950 (4300)                  | 3.23                | 2132 (4700)                  | 3.23                | 3039 (6700)                      | 3.42                |                              |                     |
| C10543 - Crew Cab<br>5' 8" Short Box, 2WD             | 2177 (4800)                  | 3.73                | 3039 (6700)                  | 3.73                | 3493 (7700)                      | 3.73                | 3946 (8700)                  | 3.73                |
| C10543 - Crew Cab<br>5' 8" Short Box, 2WD - NHT*      |                              |                     |                              |                     |                                  |                     | 4627 (10,200)                | 3.73                |
| K10703 - Regular Cab<br>6' 6" Standard Box, 4x4       | 2313 (5100)                  | 3.73                | 2676 (5900)                  | 3.42                | 3583 (7900)                      | 3.73                |                              |                     |
| K10903 - Regular Cab<br>8' Long Box, 4x4              | 2177 (4800)                  | 3.73                | 2676 (5900)                  | 3.42                | 3583 (7900)                      | 3.73                |                              |                     |
| K10553 - Extended Cab<br>5' 8" Short Box, 4x4         |                              |                     | 3583 (7900)                  | 4.10                | 4037 (8900)                      | 4.10                | 3900 (8600)                  | 3.73                |
| K10753 - Extended Cab<br>6' 6" Standard Box, 4x4      |                              |                     | 2595 (5500)                  | 3.42                | 3402 (7500)                      | 3.73                | 3856 (8500)                  | 3.73                |
| K10753 Extended Cab<br>6' 6" Standard Box, 4x4 - NHT* |                              |                     | 3402 (7500)                  | 4.10                | 3856 (8500)                      | 4.10                | 4763 (10,500)                | 4.10                |
| K10953 - Extended Cab<br>8' Long Box, 4x4             |                              |                     |                              |                     | 3311 (7300)                      | 3.73                |                              |                     |
| K10543 - Crew Cab<br>5' 8" Short Box, 4x4             |                              |                     | 2449 (5400)                  | 3.42                | 3402 (7500)                      | 3.73                | 3856 (8500)                  | 3.73                |
| K10543 - Crew Cab<br>5' 8" Short Box, 4x4 - NHT*      |                              |                     | 3357 (7400)                  | 4.10                | 3856 (8500)                      | 4.10                | 4763 (10,500)                | 4.10                |

## FIFTH -WHEEL TRAILERING WITH THE ALL-NEW SIERRA 1500 PICKUPS

| ENGINE/TRANSMISSION                                   | Vortec 4.8L V8 (LY2)          |                     | Vortec 5.3L V8 (ALL)          |                     | Vortec 6.0L V8 (L76)          |                     |
|---|-------------------------------|---------------------|-------------------------------|---------------------|-------------------------------|---------------------|
| MODEL   | Max. Trailer Weight, kg (lb.) | Axle Ratio Required | Max. Trailer Weight, kg (lb.) | Axle Ratio Required | Max. Trailer Weight, kg (lb.) | Axle Ratio Required |
| C10703 Regular Cab<br>6' 6" Standard Box, 2WD         | 3266 (7200)                   | 3.73                | 3266 (7200)                   | 3.42                |                               |                     |
| C10903 Regular Cab<br>8' Long Box, 2WD                |                               |                     | 3720 (8200)                   | 3.73                |                               |                     |
| C10753 Extended Cab<br>6' 6" Standard Box, 2WD        | 3175 (7000)                   | 3.73                | 3175 (7000)                   | 3.42                | 3992 (8800)                   | 3.73                |
| C10753 Extended Cab<br>6' 6" Standard Box, 2WD - NHT* |                               |                     | 3629 (8000)                   | 3.73                | 4672 (10,300)                 | 3.73                |
| C10953 Extended Cab<br>8' Long Box, 2WD               |                               |                     | 2948 (6500)                   | 3.42                |                               |                     |
| K10703 Regular Cab<br>6' 6" Standard Box, 4x4         |                               |                     | 3402 (7500)                   | 3.73                |                               |                     |
| K10903 Regular Cab<br>8' Long Box, 4x4                | 3311 (7300)                   | 4.10                | 3311 (7300)                   | 3.73                |                               |                     |
| K10753 Extended Cab<br>6' 6" Standard Box, 4x4        |                               |                     | 3765 (8300)                   | 4.10                | 3900 (8600)                   | 3.73                |
| K10753 Extended Cab<br>6' 6" Standard Box, 4x4 - NHT* | 3583 (7900)                   | 4.10                | 4037 (8900)                   | 4.10                | 4763 (10,500)                 | 4.10                |
| K10953 Extended Cab<br>8' Long Box, 4x4               | 3402 (7500)                   | 4.10                | 3402 (7500)                   | 3.73                |                               |                     |
|   |                               |                     | 3856 (8500)                   | 4.10                |                               |                     |
|   |                               |                     |                               |                     |                               |                     |
|   |                               |                     | 3266 (7200)                   | 3.73                |                               |                     |
|   |                               |                     | 3720 (8200)                   | 4.10                |                               |                     |

\*With optional VortecMAX Performance Package (NHT). Notes: Please refer to the cautions and restrictions shown in the notes in the Sierra 1500 section on page 8.

## GROSS COMBINATION WEIGHT RATING (GCWR) - 1500 SERIES

| GCWR kg (lb.)        | 4309 (9500)                            | 4536 (10,000) | 4990 (11,000) | 5443 (12,000) | 5897 (13,000) | 6350 (14,000)     | 7031 (15,500)     | 7258 (16,000)     |
|----------------------|--|---------------|---------------|---------------|---------------|-------------------|-------------------|-------------------|
| ENGINE               | AXLE RATIO WITH AUTOMATIC TRANSMISSION |               |               |               |               |                   |                   |                   |
| Vortec 4.3L V6 (LU3) | 3.23                                   | 3.73          |               |               |               |                   |                   |                   |
| Vortec 4.8L V8 (LY2) |  | 3.23          | 3.42          | 3.73          | 4.10          |                   |                   |                   |
| Vortec 5.3L V8 (ALL) |  |               |               | 3.42          | 3.73          | 4.10              |                   |                   |
| Vortec 6.0L V8 (L76) |  |               |               |               |               | 3.73 <sup>1</sup> | 3.73 <sup>2</sup> | 4.10 <sup>3</sup> |

<sup>1</sup>Not available with VortecMAX Performance Package (NHT). <sup>2</sup>2WD models with VortecMAX Performance Package (NHT). <sup>3</sup>4x4 models with VortecMAX Performance Package (NHT).

## TRAILERING WITH THE ALL-NEW SIERRA 2500HD AND 3500HD PICKUPS

| ENGINE/TRANSMISSION  | BALL HITCH TRAILERING                           |   | FIFTH-WHEEL TRAILERING                          |   |
|--|---|---|---|---|
|  | Vortec 6.0L V8 (LY6)<br>Automatic 6-speed (MYD) | Duramax 6.6L V8 Diesel (LMM)<br>Automatic 6-speed (MW7) | Vortec 6.0L V8 (LY6)<br>Automatic 6-speed (MYD) | Duramax 6.6L V8 Diesel (LMM)<br>Automatic 6-speed (MW7) |
| Horsepower   | 353 @ 5400                                      | 365 @ 3200  | 353 @ 5400                                      | 365 @ 3200  |
| Torque (lb.-ft.)   | 373 @ 4400                                      | 660 @ 1600  | 373 @ 4400                                      | 660 @ 1600  |
| MODEL  | Max. Trailer<br>Weight kg (lb.)                 | Max. Trailer<br>Weight kg (lb.)                         | Max. Trailer<br>Weight kg (lb.)                 | Max. Trailer<br>Weight kg (lb.)                         |
| <b>2500HD - 4173 kg (9200 lb.) GVWR</b>                          |   |   |   |   |
| C20903 - Regular Cab<br>Long Box, 2WD                            | 5851 (12,900)                                   | 5897 (13,000)   | 5851 (12,900)                                   | 7167 (15,800)   |
| C20753 - Extended Cab<br>Standard Box, 2WD                       | 5761 (12,700)                                   | 5897 (13,000)   | 5761 (12,700)                                   | 6985 (15,400)   |
| C20953 - Extended Cab<br>Long Box, 2WD                           | 4670 (12,500)                                   | 5897 (13,000)   | 4670 (12,500)                                   | 6804 (15,000)   |
| C20743 - Crew Cab<br>Standard Box, 2WD                           | 4670 (12,500)                                   | 5897 (13,000)   | 4670 (12,500)                                   | 6895 (15,200)   |
| C20943 - Crew Cab<br>Long Box, 2WD                               | 5625 (12,400)                                   | 5897 (13,000)   | 5625 (12,400)                                   | 6532 (14,400)   |
| K20903 - Regular Cab<br>Long Box, 4x4                            | 5761 (12,700)                                   | 5897 (13,000)   | 5761 (12,700)                                   | 7031 (15,500)   |
| K20753 - Extended Cab<br>Standard Box, 4x4                       | 5625 (12,400)                                   | 5897 (13,000)   | 5625 (12,400)                                   | 6486 (14,300)   |
| K20953 - Extended Cab<br>Long Box, 4x4                           | 5534 (12,200)                                   | 5897 (13,000)   | 5534 (12,200)                                   | 6078 (13,400)   |
| K20743 - Crew Cab<br>Standard Box, 4x4                           | 5579 (12,300)                                   | 5897 (13,000)   | 5579 (12,300)                                   | 6169 (13,600)   |
| K20943 - Crew Cab<br>Long Box, 4x4                               | 5489 (12,100)                                   | 5897 (13,000)   | 5489 (12,100)                                   | 5670 (12,500)   |
| <b>3500HD - 4491 kg (9900 lb.) GVWR with Single Rear Wheels.</b> |   |   |   |   |
| C30953 - Extended Cab<br>Long Box, 2WD                           | 5534 (12,200)                                   | 5897 (13,000)   | 5534 (12,200)                                   | 6849 (15,100)   |
| C30943 - Crew Cab<br>Long Box, 2WD                               | 5489 (12,100)                                   | 5897 (13,000)   | 5489 (12,100)                                   | 7439 (16,400)   |
| K30903 - Regular Cab<br>Long Box, 4x4                            | 5625 (12,400)                                   | 5897 (13,000)   | 5625 (12,400)                                   | 6940 (15,300)   |
| K30953 - Extended Cab<br>Long Box, 4x4                           | 5443 (12,000)                                   | 5897 (13,000)   | 5443 (12,000)                                   | 6759 (14,900)   |
| K30943 - Crew Cab<br>Long Box, 4x4                               | 5352 (11,800)                                   | 5897 (13,000)   | 5352 (11,800)                                   | 6623 (14,600)   |
| <b>3500HD - 4171 kg (11,400 lb.) GVWR with Dual Rear Wheels.</b> |   |   |   |   |
| C30953 - Extended Cab<br>Long Box, 2WD                           | 5443 (12,000)                                   | 5897 (13,000)   | 5443 (12,000)                                   | 7394 (16,300)   |
| C30943 - Crew Cab<br>Long Box, 2WD                               | 5352 (11,800)                                   | 5897 (13,000)   | 5352 (11,800)                                   | 7348 (16,200)   |
| K30903 - Regular Cab<br>Long Box, 4x4                            | 5534 (12,200)                                   | 5897 (13,000)   | 5534 (12,200)                                   | 7484 (16,500)   |
| K30953 - Extended Cab<br>Long Box, 4x4                           | 5307 (11,700)                                   | 5897 (13,000)   | 5307 (11,700)                                   | 7358 (16,000)   |
| K30943 - Crew Cab<br>Long Box, 4x4                               | 5262 (11,600)                                   | 5897 (13,000)   | 5262 (11,600)                                   | 7212 (15,900)   |

## NOTES:

- The maximum allowable Gross Combination Weight Ratings (GCWR) are:
  - 8392 kg (18,500 lb.) with the Vortec 6.0L V8 (LY6)
  - 9979 kg (22,000 lb.) with the Duramax 6.6L V8 Diesel with Single Rear Wheels (SRW).
  - 10,600 kg (23,500 lb.) with the Duramax 6.6L V8 Diesel with Dual Rear Wheels (DRW).
  - All 2500HD and 3500HD Series have an automatic transmission and a 3.73 axle ratio as standard equipment.
  - Use this GCWR information when calculating the trailering capacity for Chassis Cabs/Box Delete (option ZW9) models. The GCWR includes the total loaded weight of the truck, the body and the trailer.
- The 2500HD and 3500HD models have a weight-carrying hitch limit of 3402 kg (7500 lb.) and require a weight-distributing hitch with trailer weights in excess of this limit.
- Fifth-wheel kingpin loads are higher than ball hitch trailer tongue loads, so careful attention must be given to the truck's payload capacity and rear axle weight ratings (GAWR). Subtract the tow vehicle's weight plus passenger and cargo weights from the GVWR to determine the available payload and/or kingpin weight allowance.
- Trailer kingpin weight should be 15-25% of loaded trailer weight.
- Trailering capacity may be limited by the tow vehicle's ability to carry the kingpin weight without exceeding the GVWR or rear GAWR.
- The Integrated Trailer Brake Control (option JL1) is new for 2007 in combination with the Trailering Special Equipment Package (option Z82). This facilitates hook-up of electric trailer brakes and provides excellent brake modulation.



# SIERRA 1500 & 1500HD PICKUPS

## BALL HITCH TRAILERING WITH SIERRA 1500 AND 1500HD – AUTOMATIC TRANSMISSION

| ENGINE   | Vortec 4.3L V6 (LU3)         |                     | Vortec 4.8L V8 (LR4)                      |                      | Vortec 5.3L V8 (LM7/L59)                  |                            | Vortec 6.0L V8 (LQ4/LQ9)                     |                     |
|--|------------------------------|---------------------|---|----------------------|---|----------------------------|--|---------------------|
| Horsepower   | 195 @ 4000                   |                     | 285 @ 5200                                |                      | 295 @ 5200                                |                            | LQ4 - 300 @ 4400                             |                     |
| Torque (lb.-ft.)                                       | 260 @ 2800                   |                     | 295 @ 4000                                |                      | 335 @ 4000                                |                            | 360 @ 4000<br>LQ9 - 345 @ 5200<br>380 @ 4000 |                     |
| MODEL  | Max. Trailer Weight kg (lb.) | Axle Ratio Required | Max. Trailer Weight kg (lb.)              | Axle Ratio Required  | Max. Trailer Weight kg (lb.)              | Axle Ratio Required        | Max. Trailer Weight kg (lb.)                 | Axle Ratio Required |
| C15703 - Regular Cab<br>6' 6" Standard Box, 2WD        | 2268 (5000)                  | 3.23                | 2903 (6400)<br>3357 (7400)                | 3.23<br>3.73         | 3357 (7400)<br>3810 (8400)                | 3.23<br>3.73               |  |                     |
| C15903 - Regular Cab<br>8' Long Box, 2WD               | 2177 (4800)                  | 3.23                | 2812 (6200)<br>3266 (7200)                | 3.23<br>3.73         | 3266 (7200)<br>3720 (8200)                | 3.23<br>3.73               |  |                     |
| C15553 - Extended Cab<br>5' 8" Short Box, 2WD          |                              |                     |   |                      | 3175 (7000)<br>3629 (8000)                | 3.23<br>3.73               |  |                     |
| C15753 - Extended Cab<br>6' 6" Standard Box, 2WD       | 2087 (4600)<br>2313 (5100)   | 3.23<br>3.73        | 2676 (5900)<br>3130 (6900)                | 3.23<br>3.73         | 3130 (6900)<br>3583 (7900)                | 3.23<br>3.73               | 3538 (7800)<br>4717 (10,400)*                | 3.23<br>4.10        |
| C15753 - Extended Cab 6' 6" Standard Box, 2WD-Hybrid   |                              |                     |   |                      | 3039 (6700)<br>3493 (7700)                | 3.23<br>3.73               |  |                     |
| C15953 - Extended Cab<br>8' Long Box, 2WD              |                              |                     | 2631 (5800)<br>3084 (6800)                | 3.23<br>3.73         | 3084 (6800)<br>3538 (7800)                | 3.23<br>3.73               |  |                     |
| C15543 - Crew Cab<br>5' 8" Short Box, 2WD              |                              |                     | 2586 (5700)                               | 3.23                 | 3039 (6700)<br>3493 (7700)                | 3.23<br>3.73               | 4581 (10,000)*                               | 3.73                |
| C15743HD - Crew Cab<br>6' 6" Standard Box, 2WD         |                              |                     |   |                      |   |                            | 3765 (8300)<br>4672 (10,300)                 | 3.73<br>4.10        |
| K15703 - Regular Cab<br>6' 6" Standard Box, 4x4        | 2313 (5100)                  | 3.73                | 3221 (7100)<br>3221 (7100)<br>3674 (8100) | 3.42<br>3.73<br>4.10 | 3674 (8100)<br>3674 (8100)<br>4128 (9100) | 3.42<br>3.73<br>4.10       |  |                     |
| K15903 - Regular Cab<br>8' Long Box, 4x4               | 2268 (5000)                  | 3.73                | 3130 (6900)<br>3130 (6900)<br>3583 (7900) | 3.42<br>3.73<br>4.10 | 3583 (7900)<br>3583 (7900)<br>4037 (8900) | 3.42<br>3.73<br>4.10       |  |                     |
| K15553 - Extended Cab<br>5' 8" Short Box, 4x4          |                              |                     |   |                      | 3493 (7700)<br>3493 (7700)<br>3946 (8700) | 3.42<br>3.73<br>4.10       |  |                     |
| K15753 - Extended Cab<br>6' 6" Standard Box, 4x4       |                              |                     | 3039 (6700)<br>3039 (6700)<br>3493 (7700) | 3.42<br>3.73<br>4.10 | 3493 (7700)<br>3493 (7700)<br>3946 (8700) | 3.42**<br>3.73**<br>4.10** | 4536 (10,000)*                               | 4.10                |
| K15753 - Extended Cab 6' 6" Standard Box, 4x4 - Hybrid |                              |                     |   |                      | 3357 (7400)<br>3357 (7400)                | 3.42<br>3.73               |  |                     |
| K15953 - Extended Cab<br>8' Long Box, 4x4              |                              |                     | 2948 (6500)<br>2948 (6500)<br>3402 (7500) | 3.42<br>3.73<br>4.10 | 3402 (7500)<br>3402 (7500)<br>3856 (8500) | 3.42<br>3.73<br>4.10       |  |                     |
| K15543 - Crew Cab<br>5' 8" Short Box, 4x4              |                              |                     | 2903 (6400)                               | 3.73                 | 3357 (7400)<br>3357 (7400)<br>3810 (8400) | 3.42<br>3.73<br>4.10       | 4491 (9900)*                                 | 4.10                |
| K15543 - Crew Cab Denali<br>5' 8" Short Box, AWD       |                              |                     |   |                      |   |                            | 3674 (8100)                                  | 4.10                |
| K15743HD - Crew Cab<br>6' 6" Standard Box, 4x4         |                              |                     |   |                      |   |                            | 3583 (7900)<br>4491 (9900)                   | 3.73<br>4.10        |

\*With optional VortecMAX Performance Package (NHT). \*\*Vortec 5.3L V8 develops 310 horsepower in this application (L33 with aluminum block).

### NOTES:

- Any Sierra pickup can tow a 907 kg (2000 lb.) trailer without special equipment.
- Weight-Carrying Hitch Limit: 2268 kg (5000 lb.) trailer with 272 kg (600 lb.) tongue weight.
- A Weight-Distributing Hitch and Sway Control is required over 2268 kg (5000 lb.) Trailer Weight.
- Sierra 1500 models are limited to 2268 kg (5000 lb.) trailer rating unless equipped with Heavy-Duty (Z85), High Performance (Z60), Ride Control (ZX3) or Off-road Suspension Package (Z71).
- Ball hitch trailers over 2268 kg (5000 lb.) require optional Trailering Special Equipment (Z82), which includes a weight-distributing hitch platform, extra capacity transmission cooling, if not already equipped, a high capacity air cleaner, an electric brake control wiring harness and a heavy-duty 8-lead wiring harness with a 7-pin connector.
- Trailer tongue weight should be 10-15% of the total loaded trailer weight (up to 454 kg (1000 lb.) on 1500 models - 543 kg (1200 lb.) on models with option NHT, VortecMAX Performance Package - 680 kg (1500 lb.) on 1500HD models).
- Addition of trailer tongue or kingpin weight must not cause the vehicle weights to exceed the Rear Gross Axle Weight Rating (RGAWR) or Gross Vehicle Weight Rating (GVWR).

- Trailer 5th-wheel kingpin weight should be 15-25% of the total loaded trailer weight (up to 680 kg (1500 lb.) on 1500 models - 1134 kg (2500 lb.) on 1500HD models). Fifth-wheel trailers have a greater percentage of their weight on the kingpin (tongue load) than a conventional trailer. Because of this, greater attention must be given to the maximum allowable payload and GVWR.
- 1500 Short Box models are neither designed or intended to tow 5th-wheel or gooseneck trailers.

Caution must be used when selecting a Sierra 1500 model to tow fifth-wheel trailers due to limited payload and rear axle capacity to handle typical kingpin weights. Payload capacity is reduced by the added weight of additional optional equipment plus passengers and cargo in the tow vehicle. Sierra 1500 models can tow 5th-wheel trailers, within the limits shown on page 9, as long as the kingpin weight does not cause the vehicle to exceed the GVWR or GAWRs.

## GROSS COMBINATION WEIGHT RATINGS (GCWR) – 1500 AND 1500HD SERIES

| GCWR kg (lb.)        | 3856 (8500)                            | 4082 (9000) | 4309 (9500) | 4536 (10,000) | 4990 (11,000) | 5443 (12,000) | 5897 (13,000) | 6350 (14,000) | 7031 (15,500) | 7258 (16,000) |
|----------------------|--|-------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| ENGINE               | AXLE RATIO WITH AUTOMATIC TRANSMISSION |             |             |               |               |               |               |               |               |               |
| Vortec 4.3L V6 (LU3) | 3.23                                   |             | 3.73        |               |               |               |               |               |               |               |
| Vortec 4.8L V8 (LR4) |  |             |             |               | 3.23          | 3.42/3.73     | 4.10          |               |               |               |
| Vortec 5.3L V8 (ALL) |  |             |             |               |               | 3.23          | 3.42/3.73     | 4.10          |               |               |
| Vortec 6.0L V8 (LQ9) |  |             |             |               |               |               | 3.73          |               | 3.73/4.10*    |               |
| Vortec 6.0L V8 (LQ4) |  |             |             |               |               |               |               | 3.73          |               | 4.10          |
| ENGINE               | AXLE RATIO WITH MANUAL TRANSMISSION    |             |             |               |               |               |               |               |               |               |
| Vortec 4.3L V6 (LU3) | 3.23                                   | 3.73        |             |               |               |               |               |               |               |               |

\*7031 kg (15,500 lb.) on models with option NHT, VortecMAX Performance Package.



GMC recommends that you specify a 4-speed automatic transmission with overdrive for your 1500 Series Sierra if you plan to tow with it. Trailer ratings for vehicles equipped with a manual transmission are generally reduced as shown below and on the GCWR chart on page 8. Note that the Vortec 4.3L V6 is the only engine currently available with a manual transmission.

**BALL HITCH TRAILERING WITH SIERRA 1500 PICKUPS – MANUAL TRANSMISSION**

| ENGINE                               |                               | VORTEC 4.3L V6 |                     |
|--------------------------------------|-------------------------------|----------------|---------------------|
| MODEL                                | Max. Trailer Weight, kg (lb.) |                | Axle Ratio Required |
| C15703 Regular Cab Standard Box, 2WD | 1814 (4000)                   |                | 3.23                |
| C15903 Regular Cab Long Box, 2WD     | 1724 (3800)                   |                | 3.23                |
| K15703 Regular Cab Standard Box, 4x4 | 1860 (4100)                   |                | 3.73                |
| K15903 Regular Cab Long Box, 4x4     | 1814 (4000)                   |                | 3.73                |

A 1500 Extended Cab with the available VortecMAX Performance Package makes an ideal family tow vehicle. With a GVWR of up to 2903 kg (6400 lb.), a towing capacity of 4717 kg (10,400 lb.) on 2WD models and a 345-hp VortecMAX V8 engine, it can handle most trailering duties with ease. Refer to the information on page 8 for details.

**FIFTH-WHEEL TRAILERING WITH SIERRA 1500 AND 1500HD PICKUPS – AUTOMATIC TRANSMISSION**

| ENGINE/TRANSMISSION                   | VORTEC 4.8L V8                |                     | VORTEC 5.3L V8                |                     | VORTEC 6.0L V8                |                     |
|---------------------------------------|-------------------------------|---------------------|-------------------------------|---------------------|-------------------------------|---------------------|
|                                       | Max. Trailer Weight, kg (lb.) | Axle Ratio Required | Max. Trailer Weight, kg (lb.) | Axle Ratio Required | Max. Trailer Weight, kg (lb.) | Axle Ratio Required |
| C15703 Regular Cab Standard Box, 2WD  | 2903 (6400)<br>3357 (7400)    | 3.23<br>3.73        | 3357 (7400)<br>3810 (8400)    | 3.23<br>3.73        |                               |                     |
| C15903 Regular Cab Long Box, 2WD      | 2812 (6200)<br>3266 (7200)    | 3.23<br>3.73        | 3266 (7200)<br>3720 (8200)    | 3.23<br>3.73        |                               |                     |
| C15753 Extended Cab Standard Box, 2WD | 2676 (5900)<br>3084 (6800)    | 3.23<br>3.73        | 3084 (6800)<br>3084 (6800)    | 3.23<br>3.73        | 3130 (6900)*                  | 4.10                |
| C15953 Extended Cab Long Box, 2WD     | 2631 (5800)<br>3084 (6800)    | 3.23<br>3.73        | 3084 (6800)<br>3447 (7600)    | 3.23<br>3.73        |                               |                     |
| C15743HD Crew Cab Standard Box, 2WD   |                               |                     |                               |                     | 3765 (8300)<br>4672 (10,300)  | 3.73<br>4.10        |
| K15703 Regular Cab Standard Box, 4x4  | 3220 (7100)<br>3311 (7300)    | 3.42/3.73<br>4.10   | 3311 (7300)<br>3311 (7300)    | 3.42/3.73<br>4.10   |                               |                     |
| K15903 Regular Cab Long Box, 4x4      | 3130 (6900)<br>3583 (7900)    | 3.42/3.73<br>4.10   | 3583 (7900)<br>3765 (8300)    | 3.42/3.73<br>4.10   |                               |                     |
| K15753 Extended Cab Standard Box, 4x4 | 3039 (6700)<br>3130 (6900)    | 3.42/3.73<br>4.10   | 3131 (6900)<br>3131 (6900)    | 3.42/3.73<br>4.10   |                               |                     |
| K15743HD Crew Cab Standard Box, 4x4   |                               |                     |                               |                     | 3583 (7900)<br>4491 (9900)    | 3.73<br>4.10        |

\*With optional VortecMAX Performance Package (NHT).

**SIERRA TRAILER-TOWING FEATURES:**

- Automatic transmissions feature a Tow/Haul mode for improved performance when towing.
- Four-wheel anti-lock braking system (ABS) with Dynamic Rear Proportioning (DRP) adds a measure of safety when braking, especially on slippery surfaces.
- Rear axles use a synthetic lubricant for lower operating temperatures under heavy-load conditions.
- Large, cross-flow radiators with excellent airflow characteristics keep things cool in extreme conditions.
- The Driver Information Centre (DIC) monitors both engine and transmission temperatures and alerts the operator of any problems before damage occurs. A dedicated transmission fluid temperature gauge is available on 2500HD and 3500 models that are equipped with an automatic transmission.
- Three-piece modular frame with a hydroformed front section provides exceptional strength without unnecessary weight.
- Independent front suspension is used on all pickup models, both two- and four-wheel drive, providing superior ride and handling. Suspension packages are available for trailering.
- The Trailering Special Equipment Package includes a weight-distributing hitch receiver, an electric brake control wiring harness, as well as a trailer wiring 7-pin connector. Engine and transmission coolers are included as required.

**VORTECMAX PERFORMANCE PACKAGE**

The VortecMAX Performance Package, (option NHT), adds an extra measure of capability and toughness to selected 1500 series pickups. This Performance Package provides a trailer rating of up to 4763 kg (10,500 lb.) with the all-new Sierra 4x4 Extended and Crew Cab models. It's available on 1500 2WD and 4x4 Extended Cab standard box and Crew Cab short box models and includes the following equipment;

- Vortec 6.0L V8 engine that develops 345 hp and 380 lb.-ft. of torque and on the all-new Sierra develops 367 hp and 375 lb.-ft. of torque
- Engine oil cooling system for extended engine life in severe service applications
- 4-speed super-duty automatic transmission (model 4L70E) with Tow/Haul mode and an oil temperature sensor that will signal the DIC to display a "TRANSMISSION HOT" message and also cause the transmission to enter a protection mode until it cools down
- Heavy-duty rear axle assembly with a 9.5 in. diameter ring gear similar to the 2500 models
- P265/70R17 On/Off Road tires including the spare
- Locking differential for superior traction
- Autotrac four-wheel drive system on 4x4 models
- Trailering Special Equipment that includes a weight-distributing platform trailer hitch receiver, a heavy-duty 8-lead wiring harness with a 7-way sealed connector and trailer brake control wiring harness plus extra capacity cooling and high-capacity air cleaner
- Special identification on the doors and a Vortec engine cover label.

## SIERRA 2500HD & 3500 PICKUPS WITH BALL HITCH

The bigger the job, the more you'll appreciate the capabilities of these Sierra heavy-duty pickups. The 2500HD and 3500 pickups deliver all the power you need with the available 330-hp Vortec 8.1L V8 and turbocharged 360-hp Duramax 6.6L Diesel V8 engines. Coupled with the Allison 1000 Series 6-speed automatic transmission, these powertrains offer the performance needed for even the most demanding trailering applications.

### BALL HITCH TRAILERING SIERRA 2500HD AND 3500 PICKUPS

| ENGINE/TRANSMISSION   | Vortec 6.0L V8 (LQ4)<br>Manual or Automatic |                        | Vortec 8.1L V8 (L18)<br>Automatic 6-speed |                        | Duramax 6.6L V8 Diesel (LBZ)<br>Automatic 6-speed |                        |
|---|---|------------------------|---|------------------------|---|------------------------|
| Horsepower<br>Torque (lb.-ft.)  | 300 @ 4400<br>360 @ 4000                    |                        | 330 @ 4200<br>450 @ 3200                  |                        | 360 @ 3200<br>650 @ 1600                          |                        |
| MODEL   | Max. Trailer<br>Weight, kg (lb.)            | Axle Ratio<br>Required | Max. Trailer<br>Weight, kg (lb.)          | Axle Ratio<br>Required | Max. Trailer<br>Weight, kg (lb.)                  | Axle Ratio<br>Required |
| <b>2500HD - 4173 kg (9200 lb.) GVWR</b>   |   |                        |   |                        |   |                        |
| C25903 – Regular Cab<br>Long Box, 2WD   | 4763 (10,500)                               | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| C25753 – Extended Cab<br>Standard Box, 2WD  | 4672 (10,300)                               | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| C25953 – Extended Cab<br>Long Box, 2WD  | 4627 (10,200)                               | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| C25743 – Crew Cab<br>Standard Box, 2WD  | 4581 (10,100)                               | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| C25943 – Crew Cab<br>Long Box, 2WD  | 4536 (10,000)                               | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| K25903 – Regular Cab<br>Long Box, 4x4   | 4672 (10,300)                               | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| K25753 – Extended Cab<br>Standard Box, 4x4  | 4536 (10,000)                               | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| K25953 – Extended Cab<br>Long Box, 4x4  | 4491 (9900)                                 | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| K25743 – Crew Cab<br>Standard Box, 4x4  | 4445 (9800)                                 | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| K25943 – Crew Cab<br>Long Box, 4x4  | 4400 (9700)                                 | 4.10                   | 5443 (12,000)<br>5443 (12,000)            | 3.73<br>4.10           | 5443 (12,000)                                     | 3.73                   |
| <b>3500 - 4491 kg (9900 lb.) GVWR with Single Rear Wheels (SRW) / 4171 kg (11,400 lb.) GVWR with Dual Rear Wheels (DRW)</b> |   |                        |   |                        |   |                        |
| C35953 – Extended Cab<br>Long Box, 2WD/SRW  | 4445 (9800)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| C35953 – Extended Cab<br>Long Box, 2WD/DRW  | 4400 (9700)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| C35943 – Crew Cab<br>Long Box, 2WD/SRW  | 4355 (9600)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| C35943 – Crew Cab<br>Long Box, 2WD/DRW  | 4305 (9500)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| K35903 – Regular Cab<br>Long Box, 4x4/SRW   | 4536 (10,000)                               | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| K35903 – Regular Cab<br>Long Box, 4x4/DRW   | 4445 (9800)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| K35953 – Extended Cab<br>Long Box, 4x4/SRW  | 4355 (9600)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| K35953 – Extended Cab<br>Long Box, 4x4/DRW  | 4264 (9400)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| K35943 – Crew Cab<br>Long Box, 4x4/SRW  | 4264 (9400)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |
| K35943 – Crew Cab<br>Long Box, 4x4/DRW  | 4173 (9200)                                 | 4.10                   | 5443 (12,000)                             | 4.10                   | 5443 (12,000)                                     | 3.73                   |

SRW = Single Rear Wheels DRW = Dual Rear Wheels

The chart below shows the maximum allowable Gross Combination Weight Ratings (GCWR) based on the available engines and axle ratios with automatic or manual

transmissions. The GCWR includes the total loaded weight of both the truck and the trailer. Any available engine may be used for trailering if the GCWR shown is not exceeded.

### SIERRA 2500HD AND 3500 PICKUP GROSS COMBINATION WEIGHT RATINGS (GCWR)

| GCWR kg (lb.)          | 7258 (16,000)                                   | 9072 (20,000) | 9979 (22,000) | 10,660 (23,500) |
|------------------------|---|---------------|---------------|-----------------|
| ENGINE                 | AXLE RATIO REQUIRED WITH AUTOMATIC TRANSMISSION |               |               |                 |
| Vortec 6.0L V8*        | 4.10  |               |               |                 |
| Vortec 8.1L V8         |   | 3.73          | 4.10          |                 |
| Duramax 6.6L V8 Diesel |   |               | 3.73          | 3.73**          |
| ENGINE                 | AXLE RATIO REQUIRED WITH MANUAL TRANSMISSION    |               |               |                 |
| Vortec 6.0L V8*        | 4.10  |               |               |                 |

\*Rating is reduced by 454 kg (1000 lb.) when engine modified to operate on alternate fuels (CNG).

\*\*Rating for 3500 Series with Dual Rear Wheels (DRW).

# SIERRA 2500HD & 3500 PICKUPS WITH FIFTH-WHEEL HITCH

Often used with the heaviest trailers, fifth-wheel (or gooseneck) hitches are mounted in a pickup's box and bolted through the frame with the trailer's kingpin weight located slightly in front of the tow vehicle's rear axle. Fifth-wheel trailer kingpin loads are higher than ball hitch trailer tongue loads, so careful attention must be given to the truck's payload capacity and rear-axle weight ratings (GAWR). Subtract the tow vehicle's weight plus passenger and cargo weights from the GVWR to determine the available payload and/or kingpin weight allowance.

## FIFTH-WHEEL TRAILERING WITH SIERRA 2500HD AND 3500 PICKUPS

| ENGINE/TRANSMISSION   | Vortec 6.0L V8 (LQ4)<br>Manual or Automatic |                        | Vortec 8.1L V8 (L18)<br>Automatic 6-speed |                        | Duramax 6.6L V8 Diesel (LBZ)<br>Automatic 6-speed |                        |
|---|---|------------------------|---|------------------------|---|------------------------|
| Horsepower<br>Torque (lb.-ft.)  | 300 @ 4400<br>360 @ 4000                    |                        | 330 @ 4200<br>450 @ 3200                  |                        | 360 @ 3200<br>650 @ 1600                          |                        |
| MODEL   | Max. Trailer<br>Weight, kg (lb.)            | Axle Ratio<br>Required | Max. Trailer<br>Weight, kg (lb.)          | Axle Ratio<br>Required | Max. Trailer<br>Weight, kg (lb.)                  | Axle Ratio<br>Required |
| <b>2500HD - 4173 kg (9200 lb.) GVWR</b>   |   |                        |   |                        |   |                        |
| C25903 - Regular Cab<br>Long Box, 2WD   | 4763 (10,500)                               | 4.10                   | 6395 (14,100)<br>7303 (16,100)            | 3.73<br>4.10           | 7212 (15,900)                                     | 3.73                   |
| C25753 - Extended Cab<br>Standard Box, 2WD  | 4672 (10,300)                               | 4.10                   | 6305 (13,900)<br>7212 (15,900)            | 3.73<br>4.10           | 7122 (15,700)                                     | 3.73                   |
| C25953 - Extended Cab<br>Long Box, 2WD  | 4627 (10,200)                               | 4.10                   | 6214 (13,700)<br>7122 (15,700)            | 3.73<br>4.10           | 7031 (15,500)                                     | 3.73                   |
| C25743 - Crew Cab<br>Standard Box, 2WD  | 4581 (10,100)                               | 4.10                   | 6169 (13,600)<br>7076 (15,600)            | 3.73<br>4.10           | 6985 (15,400)                                     | 3.73                   |
| C25943 - Crew Cab<br>Long Box, 2WD  | 4536 (10,000)                               | 4.10                   | 6124 (13,500)<br>7031 (15,500)            | 3.73<br>4.10           | 6849 (15,100)                                     | 3.73                   |
| K25903 - Regular Cab<br>Long Box, 4x4   | 4672 (10,300)                               | 4.10                   | 6260 (13,800)<br>7167 (15,800)            | 3.73<br>4.10           | 7076 (15,600)                                     | 3.73                   |
| K25753 - Extended Cab<br>Standard Box, 4x4  | 4536 (10,000)                               | 4.10                   | 6169 (13,600)<br>7076 (15,600)            | 3.73<br>4.10           | 6985 (15,400)                                     | 3.73                   |
| K25953 - Extended Cab<br>Long Box, 4x4  | 4491 (9900)                                 | 4.10                   | 6078 (13,400)<br>6985 (15,400)            | 3.73<br>4.10           | 6713 (14,800)                                     | 3.73                   |
| K25743 - Crew Cab<br>Standard Box, 4x4  | 4445 (9800)                                 | 4.10                   | 6033 (13,300)<br>6940 (15,300)            | 3.73<br>4.10           | 6441 (14,200)                                     | 3.73                   |
| K25943 - Crew Cab<br>Long Box, 4x4  | 4400 (9700)                                 | 4.10                   | 5988 (13,200)<br>6623 (14,600)            | 3.73<br>4.10           | 5988 (13,200)                                     | 3.73                   |
| <b>3500 - 4491 kg (9900 lb.) GVWR with Single Rear Wheels (SRW) / 4171 kg (11,400 lb.) GVWR with Dual Rear Wheels (DRW)</b> |   |                        |   |                        |   |                        |
| C35953 - Extended Cab<br>Long Box, 2WD/SRW  | 4445 (9800)                                 | 4.10                   | 7031 (15,500)                             | 4.10                   | 6940 (15,300)                                     | 3.73                   |
| C35953 - Extended Cab<br>Long Box, 2WD/DRW  | 4400 (9700)                                 | 4.10                   | 6940 (15,300)                             | 4.10                   | 7530 (16,600)                                     | 3.73                   |
| C35943 - Crew Cab<br>Long Box, 2WD/SRW  | 4355 (9600)                                 | 4.10                   | 6940 (15,300)                             | 4.10                   | 6849 (15,100)                                     | 3.73                   |
| C35943 - Crew Cab<br>Long Box, 2WD/DRW  | 4309 (9500)                                 | 4.10                   | 6849 (15,100)                             | 4.10                   | 7439 (16,400)                                     | 3.73                   |
| K35903 - Regular Cab<br>Long Box, 4x4/SRW   | 4536 (10,000)                               | 4.10                   | 7076 (15,600)                             | 4.10                   | 6985 (15,400)                                     | 3.73                   |
| K35903 - Regular Cab<br>Long Box, 4x4/DRW   | 4445 (9800)                                 | 4.10                   | 6985 (15,400)                             | 4.10                   | 7575 (16,700)                                     | 3.73                   |
| K35953 - Extended Cab<br>Long Box, 4x4/SRW  | 4355 (9600)                                 | 4.10                   | 6895 (15,200)                             | 4.10                   | 6804 (15,000)                                     | 3.73                   |
| K35953 - Extended Cab<br>Long Box, 4x4/DRW  | 4264 (9400)                                 | 4.10                   | 6804 (15,000)                             | 4.10                   | 7394 (16,300)                                     | 3.73                   |
| K35943 - Crew Cab<br>Long Box, 4x4/SRW  | 4264 (9400)                                 | 4.10                   | 6804 (15,000)                             | 4.10                   | 6668 (14,700)                                     | 3.73                   |
| K35943 - Crew Cab<br>Long Box, 4x4/DRW  | 4173 (9200)                                 | 4.10                   | 6713 (14,800)                             | 4.10                   | 7258 (16,000)                                     | 3.73                   |

SRW = Single Rear Wheels DRW = Dual Rear Wheels

Sierra 3500 models with dual rear wheels provide an extra measure of stability, traction and braking - important attributes when towing heavy fifth-wheel trailers.



Refer to the Gross Combination Weight Ratings shown on page 10 for allowable GCWRs.

**NOTES:**

- 2500HD and 3500 models have a weight-carrying hitch limit of 3402 kg (7500 lb.) and require a weight-distributing hitch with trailer weights in excess of this limit.
- Trailer kingpin weight should be 15-25% of total loaded trailer weight.
- Trailering capacity may be limited by the tow vehicle's ability to carry the trailer kingpin weight without exceeding the GVWR or Rear GAWR.

Provision for an overdrive lock-out and manual control using a tap-up, tap-down feature on vehicles equipped with the Allison automatic transmission provides improved performance and control when towing heavy trailers.

## YUKON & YUKON XL – YUKON DENALI & YUKON XL DENALI

They represent the latest evolution of the full-size SUV: the Yukon, Yukon XL and the Denali models. These SUVs offer high-capacity trailering capability. Improvements to the braking, steering, handling, suspensions and standard StabiliTrak vehicle stability enhancement system (except Yukon XL 2500) all help transform these SUVs into superior tow vehicles. Denali models add luxurious amenities, even more powerful engines and all-wheel-drive traction.

### TRAILERING WITH YUKON, YUKON XL AND DENALI

| ENGINE                            | Vortec 4.8L V8 (LY2)*        |                     | Vortec 5.3L V8 (LY5/LMG)**   |                     | Vortec 5.3L V8 (LC9)**       |                     | Vortec 6.0L V8 (LY6/L76)**                   |                     | Vortec 6.2L V8 (L92)         |                     |
|-----------------------------------|------------------------------|---------------------|------------------------------|---------------------|------------------------------|---------------------|--|---------------------|------------------------------|---------------------|
| Horsepower                        | 295 @ 5600                   |                     | 320 @ 5200                   |                     | 310 @ 5200                   |                     | LY6 - 352 @ 5400                             |                     | 380 @ 5500                   |                     |
| Torque (lb.-ft.)                  | 305 @ 4800                   |                     | 340 @ 4200                   |                     | 335 @ 4400                   |                     | 383 @ 4300<br>L76 - 366 @ 5500<br>380 @ 4300 |                     | 417 @ 4400                   |                     |
| MODEL                             | Max. Trailer Weight kg (lb.) | Axle Ratio Required | Max. Trailer Weight kg (lb.) | Axle Ratio Required | Max. Trailer Weight kg (lb.) | Axle Ratio Required | Max. Trailer Weight kg (lb.)                 | Axle Ratio Required | Max. Trailer Weight kg (lb.) | Axle Ratio Required |
| C10706<br>Yukon 2WD               | 2041 (4500)<br>2948 (6500)   | 3.23<br>3.73        | 2948 (6500)<br>3402 (7500)   | 3.42<br>3.73        |                              |                     |  |                     |                              |                     |
| K10706<br>Yukon 4x4               |                              |                     | 3266 (7200)<br>3720 (8200)   | 3.73<br>4.10        |                              |                     |  |                     |                              |                     |
| K10706/Y91<br>Yukon Denali AWD    |                              |                     |                              |                     |                              |                     |  |                     | 3583 (7900)                  | 3.42                |
| C10906<br>Yukon XL 1500 2WD       |                              |                     | 3221 (7100)<br>3674 (8100)   | 3.73<br>4.10        |                              |                     | 3720 (8200)                                  |                     | 4.10                         |                     |
| K10906<br>Yukon XL 1500 4x4       |                              |                     | 3175 (7000)<br>3629 (8000)   | 3.73<br>4.10        | 3629 (8000)                  | 4.10                |  |                     |                              |                     |
| K10906/Y91<br>Yukon XL Denali AWD |                              |                     |                              |                     |                              |                     |  |                     | 3583 (7900)                  | 3.42                |
| C20906<br>Yukon XL 2500 2WD       |                              |                     |                              |                     |                              |                     | 3493 (7700)<br>4400 (9700)                   | 3.73<br>4.10        |                              |                     |
| K20906<br>Yukon XL 2500 4x4       |                              |                     |                              |                     |                              |                     | 3357 (7400)<br>4264 (9400)                   | 3.73<br>4.10        |                              |                     |

\*Available on Yukon SLE 1SA 2WD model only.

\*\*LY5 is only in 2WD Yukon and Yukon XL 1500. LMG is a Bi-fuel engine and is optional in 2WD models, standard in Yukon 4x4. LC9 is a Bi-fuel engine and is standard in Yukon XL 4x4 models. L76 is optional on Yukon XL 1500. LY6 is standard in Yukon XL 2500 models.

#### NOTES:

- **Weight-Carrying Hitch Limit:** 2268 kg (5000 lb.) trailer with 272 kg (600 lb.) Tongue Weight.
- A **Weight-Distributing Hitch and Sway Control** is required over 2268 kg (5000 lb.) Trailer Weight.
- **Trailer tongue weight** should be 10-15% of the total loaded trailer weight up to 454 kg (1000 lb.) on the 1500 models and up to 680 kg (1500 lb.) on 2500 models).

- **The addition of trailer tongue weight must not cause vehicle weights to exceed the Rear Gross Axle Weight Rating (RGAWR) or Gross Vehicle Weight Rating (GVWR).** Trailering capacity may be limited by the tow vehicle's ability to carry the trailer tongue weight.
- **Heavy-duty trailering equipment** is standard on Yukon, Yukon XL and Denali. It includes a weight-distributing hitch platform with a 51 mm (2 in.) receiver, an independently fused trailering circuit mated to a 7-way sealed connector and electric brake controller provision with 4 blunt cut wires under the instrument panel. A high capacity engine air cleaner and heavy-duty auxiliary transmission oil cooler are also standard. An external engine oil cooler is standard on 2500 Series Yukon XLs.

### GROSS COMBINATION WEIGHT RATINGS (GCWR)

You may prefer to use Gross Combination Weight Ratings (GCWR) to determine the engine and rear axle ratios you will require to tow a specific trailer. This chart shows you the maximum allowable GCWR based on all the available engines and

rear axle ratios with an automatic transmission. The GCWR includes the total loaded weight of both the truck and the trailer. Any available powertrain may be used for trailering if the GCWR shown is not exceeded.

| GCWR kg (lb.)        | 4536 (10,000) | 5443 (12,000) | 5897 (13,000) | 6350 (14,000) | 7258 (16,000) |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| ENGINE/AXLE RATIOS   |               |               |               |               |               |
| Vortec 4.8L V8 (LY2) | 3.23          | 3.73          |               |               |               |
| Vortec 5.3L V8 (ALL) |               | 3.42          |               |               |               |
| Vortec 6.0L V8 (L76) |               |               |               | 4.10          |               |
| Vortec 6.0L V8 (LY6) |               |               |               |               | 4.10          |
| Vortec 6.2L V8 (L92) |               |               |               | 3.42          |               |

## ACADIA

The all-new 2007 Acadia combines SUV capabilities with a smooth ride that puts you comfortably in control. Acadia's Vortec 3.6L engine produces 275 horsepower and ample torque across a broad range of engine speeds. A six-speed automatic transmission and StabiliTrak are standard. Available active all-wheel drive can further enhance stability and control on a variety of road surfaces.

### BALL HITCH TRAILERING

| ENGINE/TRANSMISSION                          | 3.6L V6/AUTOMATIC               |
|--|---------------------------------|
| EQUIPMENT                                    | Maximum Trailer Weight kg (lb.) |
| All models without Trailer Towing Package    | 907 (2000)                      |
| All models with Trailer Towing Package (V92) | 2041 (4500)                     |

#### NOTES:

- Maximum trailer ratings are calculated assuming a standard equipped vehicle, driver and required trailering equipment. The weight of optional equipment, passengers and cargo will reduce the maximum trailer weight. 10 to 15% of the trailer weight is the recommended trailer tongue load.
- Maximum trailering capacity requires the available Trailer Towing Package (option V92) that includes a trailer wiring harness, heavy-duty cooling system and a trailer hitch holder. It does not include the actual hitch which should be selected to be compatible with the trailer's coupler.



## CANYON PICKUP & CHASSIS CAB

Canyons are designed for people who want a purposeful, mid-size pickup providing efficiency, driving and parking ease in a vehicle that meets their work and recreational needs. Canyons are true pickup trucks, with body-on-frame construction, Regular, Extended and Crew Cab models, manual or automatic transmissions, rear- or four-wheel drive, and ample power from two very fuel-efficient engines. Canyons provide outstanding performance, payload and towing capacity.

### BALL HITCH TRAILERING WITH CANYON PICKUP AND CHASSIS CAB

| ENGINE/TRANSMISSION            | Vortec 2.9L DOHC 4-cyl.<br>5-speed manual |                  | Vortec 2.9L DOHC 4-cyl.<br>Automatic Transmission |                  | Vortec 3.7L DOHC 5-cyl.<br>Automatic Transmission |                  |
|--------------------------------|---|------------------|---|------------------|---|------------------|
| Horsepower<br>Torque (lb.-ft.) | 185 @ 5600<br>190 @ 2800                  |                  | 185 @ 5600<br>190 @ 2800                          |                  | 242 @ 5600<br>242 @ 4600                          |                  |
| MODEL                          | Max. Trailer<br>Weight, kg (lb.)          | Axle<br>Required | Max. Trailer<br>Weight, kg (lb.)                  | Axle<br>Required | Max. Trailer<br>Weight, kg (lb.)                  | Axle<br>Required |
| S15403<br>Regular Cab, 2WD     | 1043 (2300)                               | 3.73             | 1497 (3300)                                       | 3.73             | 1814 (4000)                                       | 3.73             |
| S15603<br>Chassis Cab 2WD      |   |                  |   |                  | 1814 (4000)                                       | 3.73             |
| S15653<br>Extended Cab, 2WD    | 953 (2100)                                | 3.73             | 1406 (3100)                                       | 3.73             | 1814 (4000)                                       | 3.73             |
| S15643<br>CrewCab, 2WD         | 862 (1900)                                | 3.73             | 1315 (2900)                                       | 3.73             | 1814 (4000)                                       | 3.73             |
| T15403<br>Regular Cab, 4x4     | 907 (2000)<br>907 (2000)                  | 3.73<br>4.10     | 1361 (3000)<br>1361 (3000)                        | 3.73<br>4.10     | 1814 (4000)                                       | 3.73             |
| T15653<br>Extended Cab, 4x4    | 862 (1900)<br>862 (1900)                  | 3.73<br>4.10     | 1315 (2900)<br>1315 (2900)                        | 3.73<br>4.10     | 1814 (4000)                                       | 3.73             |
| T15643<br>Crew Cab, 4x4        |   |                  |   |                  | 1814 (4000)                                       | 3.73             |

#### NOTES:

- Maximum limits for a weight-carrying trailer hitch are 1814 kg (4000 lb.) for the trailer and 227 kg (500 lb.) of tongue weight. A weight-distributing hitch is not required.
- Trailer tongue weight should be 10-15% of the total loaded trailer weight, up to a maximum of 227 kg (500 lb.).
- Tongue weight must not cause vehicle weights to exceed Rear Gross Axle Weight Rating (RGAWR) or Gross Vehicle Weight Rating (GVWR).
- Trailer hitch platform and 4-lead trailer wiring harness are available as dealer-installed accessories.

### GROSS COMBINATION WEIGHT RATINGS (GCWR)

You may prefer to use Gross Combination Weight Ratings (GCWRs) to determine the engine and rear axle ratio you will require to tow a specific trailer with your Canyon. The chart below shows you the maximum allowable GCWR based on all the available

engines and axle ratios for both automatic and manual transmission equipped vehicles. The GCWR includes the total loaded weight of both the tow vehicle and the trailer. Any available powertrain may be used for trailering if the GCWR shown is not exceeded.

|                             |  |             |             |
|-----------------------------|--|-------------|-------------|
| GCWR kg (lb.)               | 2722 (6000)                            | 3175 (7000) | 4082 (9000) |
| ENGINE                      | AXLE RATIO WITH AUTOMATIC TRANSMISSION |             |             |
| Vortec 2.9L DOHC 4-cylinder | 3.73/4.10                              |             |             |
| Vortec 3.7 DOHC 5-cylinder  | 3.73                                   |             |             |
| ENGINE                      | AXLE RATIO WITH MANUAL TRANSMISSION    |             |             |
| Vortec 2.9L DOHC 4-cylinder | 3.73/4.10                              |             |             |

## PONTIAC TORRENT

Torrent provides impressive versatility and standard V6 power, a bonus in the compact SUV class, for superior trailering performance.

### BALL HITCH TRAILERING

| ENGINE/TRANSMISSION | 3.4L V6/AUTOMATIC               |
|---------------------|---------------------------------|
| EQUIPMENT           | Maximum Trailer Weight kg (lb.) |
| All models          | 1588 (3500)                     |

#### NOTES:

- Maximum trailer ratings are calculated assuming standard equipped vehicle, driver and required trailering equipment. The weight of optional equipment, passengers and cargo will reduce the maximum trailer weight your vehicle can tow. 10 to 15% of the trailer weight is the recommended trailer tongue load.
- Trailering capacity may be limited by tow vehicle ability to carry trailer tongue weight.
- A Trailer Towing Package including a 4-pin harness connector and trailer hitch receiver is available to facilitate trailering with a Torrent.

## ENVOY, ENVOY DENALI & BUICK RAINIER

With a 291-horsepower Vortec 4.2L engine, these SUVs can really haul. They have just the kind of torque required for trailering, achieving 90 percent of peak torque from only 1600 up to 5600 rpm. The Vortec 5.3L V8, with fuel-saving Active Fuel Management,<sup>™</sup> standard in Denali models and available in Rainier, adds an extra measure of performance when hauling heavier trailers.

### BALL HITCH TRAILERING WITH ENVOY, ENVOY DENALI AND RAINIER

| ENGINE<br>Horsepower<br>Torque (lb.-ft.) | Vortec 4.2L I-6 (LL8)        |                     | Vortec 5.3L V8 (LH6)         |                     |
|--|------------------------------|---------------------|------------------------------|---------------------|
|  |                              |                     |                              |                     |
|  | 291 @ 6000<br>277 @ 4800     |                     | 302 @ 5200<br>330 @ 4000     |                     |
| MODEL                                    | Max. Trailer Weight kg (lb.) | Axle Ratio Required | Max. Trailer Weight kg (lb.) | Axle Ratio Required |
| S15506<br>Envoy, 2WD                     | 2404 (5300)                  | 3.42                |                              |                     |
|  | 2630 (5800)                  | 3.73                |                              |                     |
|  | 2857 (6300)                  | 4.10                |                              |                     |
| T15506<br>Envoy, 4x4                     | 2359 (5200)                  | 3.42                |                              |                     |
|  | 2586 (5700)                  | 3.73                |                              |                     |
|  | 2812 (6200)                  | 4.10                |                              |                     |
| T15506/Y91<br>Envoy Denali               |                              |                     | 2767 (6100)                  | 3.42                |
|  |                              |                     | 2948 (6500)                  | 4.10                |
| T15506<br>Buick Rainier, AWD             | 2540 (5600)                  | 3.73                | 2994 (6600)                  | 3.73                |
|  | 2767 (6100)                  | 4.10                |                              |                     |

#### NOTES:

- All of the above models include, as standard equipment, an integrated platform hitch receiver on the rear bumper and a 7-pin wiring harness connector. The cooling system includes all content required to attain the maximum trailer ratings.
- The trailer tongue weight should be 10-15% of the loaded trailer weight, up to a maximum of 340 kg (750 lb.).
- Weight-carrying hitch limit is a 1814 kg (4000 lb.) trailer with 181 kg (400 lb.) tongue weight.
- Weight-Distributing Hitch and Sway Control is required over 1814 kg (4000 lb.) trailer weight.
- 4x4 models of Envoy and Denali can be flat-towed in the neutral position.

#### GROSS COMBINATION WEIGHT RATING (GCWR)

GCWRs include the total loaded weight of the tow vehicle and the trailer combined. The chart below shows your maximum allowable GCWRs with specific axle ratios.

| GCWR kg (lb.)                              | 4536 (10,000) | 4763 (10,500) | 4990 (11,000) | 5216 (11,500) |
|--|---------------|---------------|---------------|---------------|
| Vortec 4.2L I-6                            | 3.42          | 3.73          | 4.10          |               |
| Vortec 5.3L V8<br>– Envoy Denali & Rainier |               |               | 3.42          | 3.73          |

## PONTIAC MONTANA SV6 & BUICK TERRAZA & RENDEZVOUS

These front-wheel-drive vehicles combine excellent fuel efficiency, passenger comfort and road manners with trailer-towing capability.

### BALL HITCH TRAILERING

| ENGINE/TRANSMISSION       | 3500 or 3900 V6/AUTOMATIC       |
|---------------------------|---------------------------------|
| EQUIPMENT                 | Maximum Trailer Weight kg (lb.) |
| With standard equipment   | 907 (2000)*                     |
| With Trailering Package** | 1588 (3500)*                    |

\* Capacities based on up to two occupants and no cargo. The weight of additional passengers, cargo or equipment must be subtracted from these ratings.

\*\* Available on Extended Wheelbase models.

#### Trailering Package includes:

- 125-amp alternator
- P225/60R17 All Season tires
- Trailer wiring harness
- Heavy-duty turn signal flasher
- Heavy-duty radiator and transmission oil cooler
- Automatic load-levelling suspension with inflator kit on most models

#### NOTE:

Some of the equipment shown in Trailering Package may be included in the specific model selected and/or additional equipment must be specified. A trailer hitch is a dealer installed accessory and should be selected to match the trailer's coupler.

## SAVANA CARGO & PASSENGER VANS

As the largest and most capable vans in GMC's long and illustrious history, the full-size Savanas are ideal tow vehicles. Along with massive capacity and rock-solid strength, Savanas have all the power you need for accelerating and merging with a trailer in tow. With the 300 horsepower Vortec 6.0L V8, Savana can tow up to 4536 kg (10,000 lb.) when properly equipped. And now the efficiency of diesel power is available in 2500/3500 Cargo models – the Duramax 6.6L V8 produces 460 lb.-ft. of torque.

### BALL HITCH TRAILERING WITH SAVANA CARGO MODELS

| ENGINE                         | VORTEC 4.3L V6 (LU3)            |                        | VORTEC 4.8L V8 (LR4)            |                        | VORTEC 5.3L V8 (LM7/L59)        |                        | VORTEC 6.0L V8 (LQ4)            |                        | DURAMAX 6.6L DIESEL V8 (LLY)    |                        |
|--------------------------------|---------------------------------|------------------------|---------------------------------|------------------------|---------------------------------|------------------------|---------------------------------|------------------------|---------------------------------|------------------------|
| Horsepower<br>Torque (lb.-ft.) | 195 @ 4600<br>260 @ 2800        |                        | 285 @ 5200<br>295 @ 4000        |                        | 295 @ 5200<br>335 @ 4000        |                        | 300 @ 4400<br>360 @ 4000        |                        | 250 @ 3000<br>460 @ 1600        |                        |
| SERIES/MODEL                   | Max. Trailer Weight<br>kg (lb.) | Axle Ratio<br>Required | Max. Trailer Weight<br>kg (lb.) | Axle Ratio<br>Required | Max. Trailer Weight<br>kg (lb.) | Axle Ratio<br>Required | Max. Trailer Weight<br>kg (lb.) | Axle Ratio<br>Required | Max. Trailer Weight<br>kg (lb.) | Axle Ratio<br>Required |
| G13405<br>1500 – RWB – RWD     | 1950 (4300)                     | 3.42                   |                                 |                        | 2676 (5900)                     | 3.42                   |                                 |                        |                                 |                        |
| H13405<br>1500 – RWB – AWD     |                                 |                        |                                 |                        | 2948 (6500)                     | 3.42                   |                                 |                        |                                 |                        |
| G23405<br>2500 – RWB – RWD     |                                 |                        | 2858 (6300)<br>3311 (7300)      | 3.73<br>4.10           |                                 |                        | 3765 (8300)<br>4536 (10,000)    | 3.73<br>4.10           | 4536 (10,000)                   | 3.73                   |
| G23705<br>2500 – LWB – RWD     |                                 |                        | 2767 (6100)<br>3221 (7100)      | 3.73<br>4.10           |                                 |                        | 3674 (8100)<br>4536 (10,000)    | 3.73<br>4.10           | 4536 (10,000)                   | 3.73                   |
| G33405<br>3500 – RWB – RWD     |                                 |                        | 2812 (6200)<br>3266 (7200)      | 3.73<br>4.10           |                                 |                        | 3720 (8200)<br>4536 (10,000)    | 3.73<br>4.10           | 4536 (10,000)                   | 3.73                   |
| G33705<br>3500 – LWB – RWD     |                                 |                        | 2721 (6000)<br>3175 (7000)      | 3.73<br>4.10           |                                 |                        | 3629 (8000)<br>4536 (10,000)    | 3.73<br>4.10           | 4536 (10,000)                   | 3.73                   |

### BALL HITCH TRAILERING WITH SAVANA PASSENGER MODELS

| ENGINE                     | Vortec 4.8L V8 (LR4)          |                        | Vortec 5.3L V8 (LM7/L59)      |                        | Vortec 6.0L V8 (LQ4)          |                        |
|----------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|
| SERIES/MODEL               | Max. Trailer Weight, kg (lb.) | Axle Ratio<br>Required | Max. Trailer Weight, kg (lb.) | Axle Ratio<br>Required | Max. Trailer Weight, kg (lb.) | Axle Ratio<br>Required |
| G13406<br>1500 – RWB – RWD |                               |                        | 2858 (6300)<br>2858 (6300)    | 3.42<br>3.73           |                               |                        |
| H13406<br>1500 – RWB – AWD |                               |                        | 2767 (6100)<br>2767 (6100)    | 3.42<br>3.73           |                               |                        |
| G23406<br>2500 – RWB – RWD | 2858 (5800)<br>3084 (6800)    | 3.73<br>4.10           |                               |                        | 3538 (7800)<br>4445 (9800)    | 3.73<br>4.10           |
| G33406<br>3500 – RWB – RWD |                               |                        |                               |                        | 3493 (7700)                   | 3.73                   |
| G33706<br>3500 – LWB – RWD |                               |                        |                               |                        | 3357 (7400)                   | 3.73                   |

RWB – Regular wheelbase. LWB – Long wheelbase. RWD – Rear-wheel Drive. AWD – All-wheel Drive.

#### NOTES:

- Savana vans are not equipped or recommended for trailering with a bumper-mounted ball hitch. If you'll be towing a trailer, be sure to use a frame-mounted hitch of the proper size.
- Any GMC Savana can tow a 907 kg (2000 lb.) trailer without special equipment, except for the appropriate hitch and wiring.
- The weight-carrying hitch limit is a 1814 kg (4000 lb.) trailer with a 181 kg (400 lb.) tongue weight.
- Savana vans towing trailers weighing over 1814 kg (4000 lb.) require a weight-distributing hitch platform, which is included with optional Z82 Trailering Special Equipment Package.
- The trailering tongue weight should be 10-15% of total loaded trailer weight, up to 454 kg (1000 lb.).
- The Z82 Trailering Special Equipment Package includes a weight-distributing hitch platform and a 7-wire trailer wiring harness.
- The base cooling system for vans with a GVWR under 3900 kg (8600 lb.) includes all that is required to attain the maximum trailer rating. An auxiliary transmission oil cooler is required on vans with a GVWR of 3900 kg (8600 lb.), or higher, equipped with a Vortec gasoline engine when the trailer weight exceeds 1814 kg (4000 lb.).
- The standard electrical system was designed to handle one additional stop/turn light bulb per tail light circuit. The addition of more than one bulb per circuit may result in damage to the electrical system unless equipped with the optional 7-wire trailer wiring harness.

### GROSS COMBINATION WEIGHT RATINGS (GCWR)

You may prefer to use Gross Combination Weight Ratings (GCWR) to determine the engine and rear axle ratio you will require to tow a specific trailer with your GMC Savana. The chart below shows you the maximum allowable GCWR based on all the

available engines and rear axle ratios. The GCWR includes the total loaded weight of both the truck and the trailer. Any available engine may be used for trailering if the GCWR shown is not exceeded.

| GCWR kg (lb.)          | 4309 (9500)                            | 4536 (10,000) | 5443 (12,000) | 5897 (13,000) | 6350 (14,000) | 7258 (16,000) | 7711 (17,000) | 8392 (18,500) |
|------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| ENGINE                 | AXLE RATIO WITH AUTOMATIC TRANSMISSION |               |               |               |               |               |               |               |
| Vortec 4.3L V6         | 3.42                                   | 3.73          |               |               |               |               |               |               |
| Vortec 4.8L V8         |  |               | 3.73          | 4.10          |               |               |               |               |
| Vortec 5.3L V8         |  |               | 3.42/3.73     |               |               |               |               |               |
| Vortec 6.0L V8         |  |               |               |               | 3.73          | 4.10          |               |               |
| Duramax 6.6L V8 Diesel |  |               |               |               |               |               | 3.73          | 3.73*         |

\*G33803/G33903 Special cutaway models with dual rear wheels.

**NOTE:** Model availability of the above driveline combinations must be verified by your GMC dealer. Savana Special cutaway models are incomplete vehicles

and trailer ratings are not assigned; use this GCWR chart to determine powertrain requirements and combination weight limit.

# WORKSHEET

The answers to these 12 questions provide you with helpful information required for selecting the right truck to meet your needs. For additional helpful information, visit our website at [www.pickups.gmcanada.com](http://www.pickups.gmcanada.com)

Fill out this worksheet and review it with your sales consultant as you spec your new vehicle.

1. What is the weight of your boat and/or trailer (including all cargo)? \_\_\_\_\_
2. Maximum towing ratings include a weight allowance for only the driver.  
How many additional passengers will be in the vehicle when you are towing? \_\_\_\_\_
3. What is the weight of other equipment and cargo in the tow vehicle? \_\_\_\_\_
4. How much of the vehicle's driving time will be spent towing?
  - 0-25%
  - 25-50%
  - 50-75%
  - 75-100%
5. What special conditions requiring the added traction of a locking differential and/or 4-wheel drive will you encounter while towing?
  - Off-road
  - Unfinished roads
  - Snow-covered roads
  - Boat ramps
6. What is the height and width of your boat or trailer? \_\_\_\_\_
7. Will you be towing over short or long distances?
  - Short
  - Long
8. When trailering, which of the following special conditions will you encounter?
  - Steep grades
  - Mountains
  - High altitudes
  - Extreme temperatures
9. What type of hitch does your trailer require?
  - Weight-carrying (Bumper Hitch)
  - Weight-distributing
  - Fifth-wheel
10. Is your trailer equipped with trailer brakes?
  - Yes      Type \_\_\_\_\_
  - No
11. What type of electrical connection does your trailer require? \_\_\_\_\_
12. Will your towing needs increase in the future?
  - Yes
  - No

#### A WORD ABOUT THIS BROCHURE

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