

Vehicle description and empty vehicle weight

Vehicle Description	Truck Class	Gross Vehicle Weight Range (Pounds)	Empty Vehicle Weight Range	Maximum Payload Capacity (Pounds)
Cars	Not applicable	3,200-6,000	2,400-5,000	1,000
Minivans, Small SUVs, Small Pick-Ups	1	4,000-2,400	3,200-4,500	1,500
Large SUVs, Standard Pick-Ups	2a & 2b	6,001-10,000	4,500-6,300	2,500
Utility Van, Multi- Purpose, Mini-Bus, Step Van	3	10,001-14,000	7,650-8,750	3,700
City Delivery, Parcel Delivery, Bucket, Landscaping	4	14,001-16,000	7,650-8,750	5,250
City Delivery, Parcel Delivery, Bucket, Recreational Vehicles	5	16,001-19,500	9,500-10,000	7,250
City Delivery, School Bus, Bucket, Recreational Vehicles	6	19,501-26,000	11,500-14,500	8,700
City Bus, Furniture, Refrigerated, Refuse, Fuel Tanker, Dump, Tow, Concrete, Fire Engine, Tractor-Trailer	7	26,001-33,000	11,500-14,500	11,500
Refuse, Concrete, Furniture, City Bus, Tow, Fire Engine (straight trucks)	8a	33,001-80,000	20,000-26,000	18,500
Tractor-Trailer: Van, Refrigerated, Bulk Tanker, Flat Bed (combination trucks)	8b	33,001-80,000	20,000-26,000	54,000

Source: National Academy of Sciences, Technologies and Approaches to Reducing the Fuel Consumption of Medium and Heavy-Duty Vehicles, prepublication copy, March 2010, pp. 2-2 and 5-42.

www.energy.gov/eere/vehicles/fact-621-may-3-2010-gross-vehicle-weight-vs-empty-vehicle-weight (accessed March 20, 2018)

A pickup truck's payload capacity is the difference between its curb weight and its gross vehicle weight rating. The curb weight of a truck is how much it weighs without anything in it, and the GVWR is the total weight of the vehicle, passengers and cargo and necessary fluids.

Recreational Vehicles	Average Weight in lbs.*
Class A	13,000 to 30,000
Camping Conversion Class B	6,000 to 8,000
Class C	10,000 to 12,000
Travel Trailers	3,500 to 8,000
Fifth wheel	16,000 to 30,000

* Weights are estimates based on internet research

Truck Tractor weights:

Depends on the type and size of the rig, but a typical tractor weighs 15,000 lbs. and a 53' enclosed van trailer weighs about 13,000 lbs., for a total of 28,000 lbs. Most US highways have an 80,000-pound weight limit, so the load capacity or maximum net weight of a typical tractor-trailer is 52,000 lbs.

According to federal law, every truck must have a weight classification based on its gross vehicle weight rating, or its maximum allowable weight per vehicle. When making this classification, things such as engine size are considered, and a truck with a V6 engine does not have the same GVWR as a truck with a V8. To find a particular vehicle's GVWR, look at the sticker on the driver's side doorjamb.

The weight classes for pickup trucks are listed below, as noted by PickupTrucks.com.

- Class 1: up to 6,000 lbs.
- Class 2: 6,001 to 10,000 lbs.
- Class 3: 10,001 to 14,000 lbs.
- Class 4: 14,001 to 16,000 lbs.

- Class 5: 16,001 to 19,500 lbs.
- Class 6: 19,501 to 26,000 lbs.
- Class 7: 26,001 to 33,000 lbs.
- Class 8: Any truck weighing more than 33,000 lbs.

Each of the major pickup truck manufacturers has its own way of classifying its trucks by weight. Ford, for example has its F-150, F-250 and F-350 trucks, which fall into the half-, three quarter- and one-ton range, respectively. Chevrolet classifies its trucks of the same respective sizes into 1500, 2500 and 3500 categories.

Pickup trucks are categorized into weight classes such as Class 1, which weighs up to 6,000 lbs. and Class 2, which weighs from 6,001 to 10,000 lbs., notes PickupTrucks.com. Light-duty pickup trucks fall into either the Class 1 or Class 2 categories.

Curb Weight

The curb weight of your vehicle is the weight of the car with all of the standard equipment and amenities, but without any passengers, cargo or any other separately loaded items in it. Thus, the curb weight is the amount that the vehicle weighs when it's resting on the curb and not in use. This is generally the standard weight that the manufacturer assigns to the car.

Gross Vehicle Weight

The gross vehicle weight is the combined weight of the vehicle and all passengers and cargo pieces in "gross," that is to say, in total. Gross vehicle weight is especially important if you're driving in a delicate area or if you're carry exceptionally heavy cargo. Gross vehicle weight is particularly important for truck drivers, who may be carrying huge quantities of cargo that might alter the total weight of the vehicle considerably.

<https://www.carsdirect.com/car-safety/curb-weight-vs-gross-vehicle-weight>

Boats

- G3 Suncatcher 22' X22RF weighs 3,600 pounds total package weight (with trailer and motor)

- A Yamaha 115hp motor weighs just under 400 pounds (181 kilos)
- An Avalon Catalina DRL 24' Pontoon Boat weighs 2,050 pounds (929 kilos) dry weight (meaning it includes the motor but not any gas or other liquids, and doesn't include the weight of the trailer or gear in the boat)
- Avalon Eagle 16' weighs 1,350 pounds (612 kilos) dry weight
- Lowe SS210 20' Pontoon Boat with 115hp motor weighs 1,860 dry hull
- Suntracker Regency 254XP3 27' Pontoon Boat weighs about 3,300 pounds (1,497kg) dry hull and 5,695 pounds (2,583kg) package weight with trailer
- Sweetwater SW 2086 22' pontoon boat weighs about 1,773 lbs. (804kg) dry weight or 2,448 pounds (1,110kg) wet weight

A standard 18-19ft bass boat will weigh in at around 1200lbs, motor 400-450, gas @ 30 gallons 210lb, batteries 150, trailer - 500-600, misc. 200 for a total of 2500 - 2800