



GVWR INFORMATION

GVWR: GROSS VEHICLE WEIGHT RATING

In the United States, two important GVWR limitations are 6,000 lb (2,700 kg) and 8,500 lb (3,900 kg). Vehicles over 6,000 lb are restricted from some city roadways (though there is a dispute about whether this restriction is for actual curb weight or GVWR). Vehicles over the 8,500 lb threshold are required to have insurance under Section 387.303 of the Motor Carrier Act of 1980.

Vehicles over 26,000 lb (11,800 kg) GVWR generally require a Commercial Driver License (CDL), in the Class "A" or "B" group. A CDL is also required for certain vehicles under 26,000 lb GVWR, such as buses and for-hire passenger vehicles of 16 or more passengers and ALL vehicles transporting placarded hazardous materials or waste regardless of weight or load class. *Source: U.S. Commercial Driver License Manual" (PDF). American Association of Motor Vehicle Administrators (AAMVA). July 2014.*

Class	Weight - Standard	Weight - Metric	Category	License Required
Class 1	0 - 6,000 lbs	0 - 2,722 kg	Light Duty Trucks	Standard License
Class 2	6,001 - 10,000 lbs	2,722 - 4,536 kg	Light Duty Trucks	Standard License
Class 2A	6,001 - 8,500 lbs	2,722 - 3,855 kg	Light Duty Trucks	Standard License
Class 2B	8,501 - 10,000 lbs	3,855 - 4,536 kg	Light Duty Trucks	Standard License
Class 3	10,001 - 14,000 lbs	4,536 - 6,350 kg	Light Duty Trucks	Standard License
Class 4	14,001 - 16,000 lbs	6,351 - 7,257 kg	Medium Duty Trucks	Standard License
Class 5	16,001 - 19,500 lbs	7,258 - 8,845 kg	Medium Duty Trucks	Standard License
Class 6	19,501 lbs - 26,000 lbs	8,846 - 11,793 kg	Medium Duty Trucks	Standard License
Class 7	26,001 - 33,000 lbs	11,794 - 14,969 kg	Heavy Duty Trucks	Class-B CDL (Class-A CDL with additional trailer over 10,000lbs)
Class 8/9	33,001+ lbs	14,969+ kg	Heavy Duty Trucks	Class-B CDL (Class-A CDL with additional trailer over 10,000lbs) Class-C CDL (For Hazardous Material)

EXAMPLE

If you have a truck and you want to know what the maximum payload is, follow this example. In this situation, we find the chassis weight and the GVRW on the interior of the "B" pillar (the "A" pillar is the windshield pillar, "B" is the next pillar to the rear, and so on). We find the chassis weight is 12,000 lbs and the GVRW is 20,000 lbs.

$$\begin{array}{ccccccc}
 \text{Truck Chassis Weight} & & \text{Body} & & \text{Passenger} & & \text{Maximum} & & \text{Truck Chassis} \\
 \text{(with fuel)} & & \text{Weight} & & \text{Weight} & & \text{Load Weight} & & \text{GVWR} \\
 \mathbf{12,000\ lbs} & \mathbf{+} & \mathbf{4,000\ lbs} & \mathbf{+} & \mathbf{200\ lbs} & \mathbf{+} & \mathbf{?\ lbs} & \mathbf{=} & \mathbf{33,000\ lbs} \\
 \hline
 & & \mathbf{16,200\ lbs\ Combined\ Weight} & & & & & &
 \end{array}$$

$$\begin{array}{ccc}
 \text{Truck Chassis} & \text{Total Truck Chassis} & \text{Maximum Load} \\
 \text{GVWR} & \text{Weight} & \text{Weight} \\
 \mathbf{33,000\ lbs} & \mathbf{-\ 16,200\ lbs} & \mathbf{= 16,800\ lbs}
 \end{array}$$

GCWR INFORMATION

Gross Combination Weight Rating (GCWR). This is the maximum allowable combined mass of a towing road vehicle, passengers and cargo in the tow vehicle, plus the mass of the trailer and cargo in the trailer. This rating is set by the manufacturer.