

Understanding Truck Payload Capacity

Full Size Truck with or without Manufacturers' Truck Bed/Box

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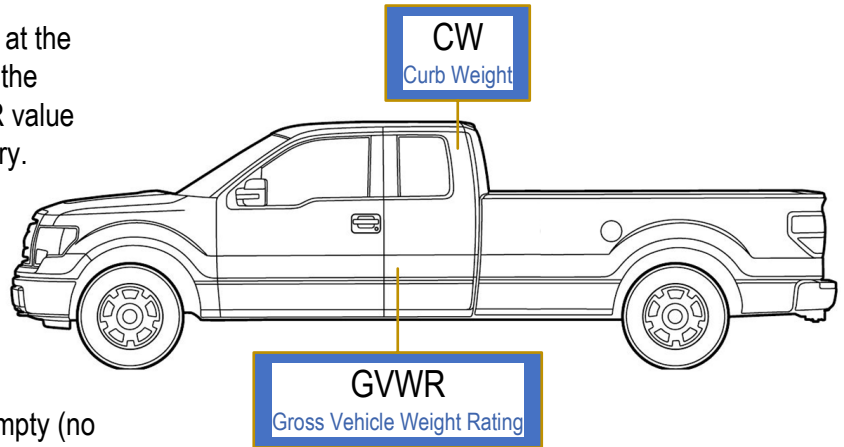
Truck Payload (Cargo) Capacity (TPC)

When selecting the pickup truck for your applications, look at the GVWR (Gross Vehicle Weight Rating) typically located on the door panel or/and owner's manual. The higher this GVWR value is, the more payload and towing capacity the truck can carry.

For example:

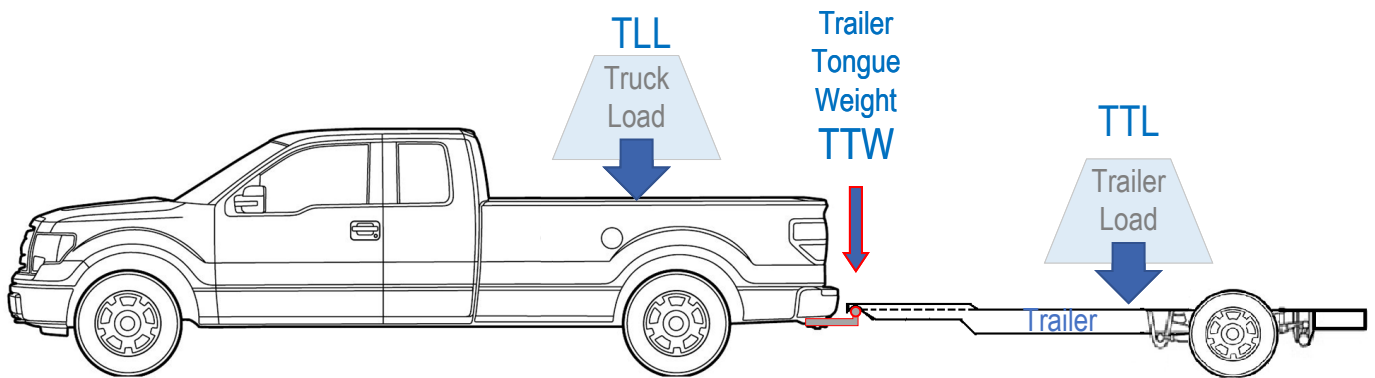
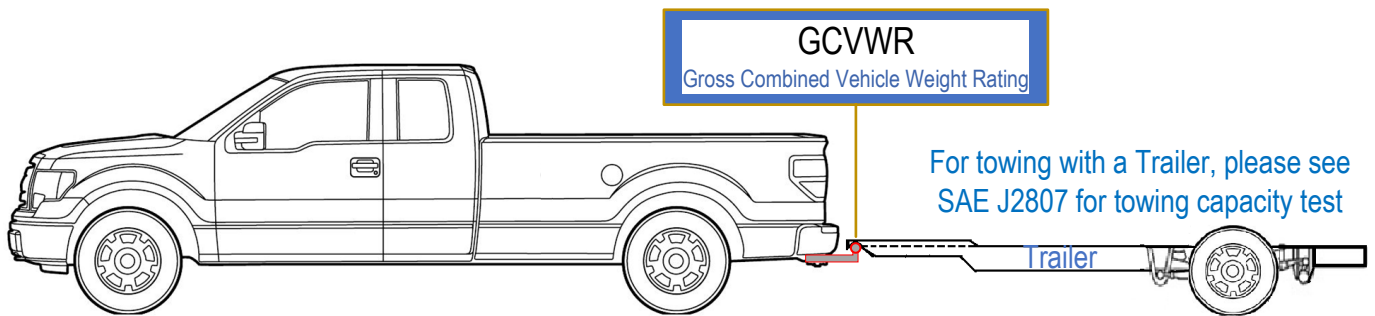
- Small Truck ~ 6,000 lbs
- Light Duty Truck ~ 10,000 lbs
- Medium Duty Truck ~ 10,000 to 26,000 lbs
- Heavy Duty Truck ~ more than 26,000 lbs

Curb Weight (CW) = Truck Weight when it is completely empty (no passenger, no accessories on truck, no cargo, no fuel)



GCVWR (Gross Combined Vehicle Weight Rating) which indicates the total amount for loaded truck and trailer.

Depending on how the Trailer Load is being distributed, the weight of the Trailer Load exerted on the truck tongue is approximately 10 to 12% of total trailer weight (including the load). Trailer Tongue Weight (TTW) is considered part of the Truck Load.



$$\text{Available Truck Payload (Cargo) Capacity (TPC)} = \text{GVWR} - \text{CW} - \{ \text{Accessories} - \text{Passengers} - \text{Fuel} \} - \text{TTW}$$

This information is on the door panel or owner manual

Any Accessories, Ladder Rack, Toolboxes, and etc. mounted on the truck

2 Passengers at 200 lbs each = 400 lbs

Full Tank of gas 15 gal (110 lbs)

Use 12% of Trailer Load or zero if not applicable (no Trailer)



Energy Efficient Work or Service Truck Accessories and Equipment

