



Weight and Length Maximum for 3 Major Equipment Types

53' DRY VAN

Length: The maximum cargo length of a 53-foot dry van trailer is 53 feet long (636 inches). Weight: The maximum cargo weight of a 53-foot dry van trailer falls **between 42,000 and 45,000 pounds** depending on the trailer and commodity in question.

53' Long x 102" Wide x 13.6' High

If your pallets are standard-sized (48" x 40" x 48"): A 53ft truck can fit **26 non-stackable pallets and 52 stackable, standard-size pallets**

53' REEFER

A refrigerated or reefer trailer's maximum freight weight is **44,000 pounds**. Refrigerated or Reefer Maximum Freight Dimensions: Max length 48 ft. - 53 ft.

53' Long x 102" Wide x 13.6' High

The reefer truck has several parts, including an **evaporator, condenser, compressor, and the reefer engine attached to the trailer that runs the HVAC system (T.C.U. – Temperature Control Unit)**

If your pallets are standard-sized (48" x 40" x 48"): A 53ft truck can fit **26 non-stackable pallets and 52 stackable, standard-size pallets**

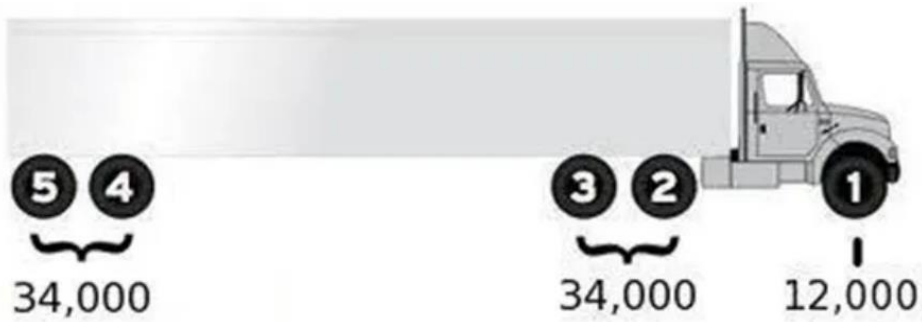
FLATBED

The standard maximum freight weight allowed to be carried on flatbed trucks is **about 48,000 lbs.** for trucks with a trailer length of between 48 to 53 feet, and can also differ according to the number of axles present in the flat-bed truck.

48' or 53' Long x 102" Wide x 13.6' High

Driver Cab Dimensions

47.6" Long x 98.5" Wide x 108" High



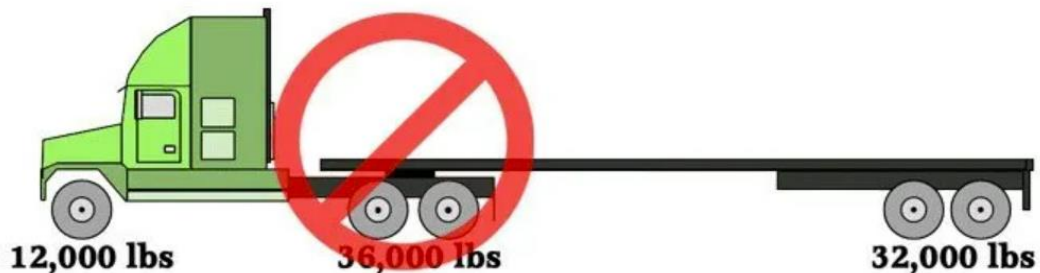
The trick with max gross weight limit

The legal weight for a 53 feet semi-trailer combined with a tractor-trailer is 80,000 lbs.

Sometimes, after loading, even though the gross weight of the tractor-trailer doesn't exceed the 80,000 lbs legal limit, but it is still overweight on some of the axles.

That usually happens when the load is not equally spread inside the trailer.

For example, in the diagram below, see how the drive tandem is overweight.



AXLES TYPES

1. **Steer Axle** = 12,000 pounds maximum
2. **Drive Axle** = 34,000 pounds maximum
3. **Tandems (Double or 2 axles)** = 34,000 maximum