

How Much Material Can Your Dump Trailer Hold?

BACKGROUND: A cubic yard is a measure of volume and is calculated as the (length) x (width) x (depth) divided by 27 because there are 27 cubic feet in a cubic yard.

Cubic yard calculations for Kaufman Dumpers = (Length of bed) x (height of bed) x (width of bed) / 27.

- DELUXE 15,000 & 17,000 GVWR 16'x7' Gooseneck = 7.9 cubic yards
- STANDARD 15,000 & 16,000 GVWR 16'x7' Gooseneck = 7.08 cubic yards
- DELUXE 15,000 & 16,000 GVWR 14'x7' Bumper Pull = 7.2 cubic yards
- STANDARD 14,000 & 16,000 GVWR 14'x7' Bumper Pull = 7.08 cubic yards
- DELUXE 12,000 GVWR 12'x7' Bumper Pull = 5.9 cubic yards
- STANDARD 12,000 GVWR 12'x7' Bumper Pull = 6.07 cubic yards
- DELUXE 10,000 GVWR 12'x6' Bumper Pull = 5.6 cubic yard
- DELUXE 10,000 GVWR 10'x6' Bumper Pull = 4.7 cubic yard
- STANDARD 10,000 GVWR 10'x6' Bumper Pull = 4.4 cubic yards

(Note: Actual bed width of 7' wide models is actually 80-82", which is slightly less than 84" or 7'. Actual bed width of 6' wide DELUXE models is actually 76", which is slightly more than 72" or 6'. Actual widths were used to calculate cubic yard capacities above.)

❖ **How many cubic yards of material can you put in a given dump trailer?**

The answer depends on the weight of the material that you are putting in the dump box.

COMMON CUBIC YARD WEIGHTS OF MATERIAL:

Dirt = 2,000 to 3,200 lbs/cubic yard (depending on the type of dirt, moisture content, etc.)

Gravel = 2,700 to 3,000 lbs/cubic yard (depending on type & size of gravel)

Sand = 3,000 to 3,500 lbs/cubic yard (depending on moisture content)

IT IS VERY IMPORTANT TO UNDERSTAND THE EXACT WEIGHT OF THE MATERIAL THAT YOU ARE LOADING IN YOUR DUMP TRAILER. JUST BECAUSE THE BOX IS BIG ENOUGH TO HOLD IT, DOES NOT ALWAYS MEAN THAT THE TRAILER CAN SUPPORT THE WEIGHT. EXCEEDING THE WEIGHT LIMITS OF YOUR TRAILER CAN CAUSE DAMAGE TO THE FRAME, INABILITY OF THE HYDRAULIC SYSTEM TO LIFT THE LOAD, & IN SOME CASES OVERWEIGHT CITATIONS FROM THE DOT.

Refer to the chart below for safe load limits for your Kaufman Dump Trailer. The model of your trailer can be found on your Original Invoice or Sales Order.

Model of Trailer	Bed Capacity	Safe Weight of Load	Amount of Dirt	Amount of Gravel	Amount of Sand
FXSLPG-8K-16D	7.9 cu. yards	12,000 lbs.	5 cu. yards	4 to 4 ½ cu. yards	4 cu. yards
FXSLPG-7K-16D	7.9 cu. yards	11,000 lbs.	4 ½ cu. yards	4 cu. yards	3.5 cu. yards
FXSLP-8K-14D	7.2 cu. yards	12,000 lbs.	5 cu. yards	4 to 4 ½ cu. yards	4 cu. yards
FXSLP-7K-14D	7.2 cu. yards	11,000 lbs.	4 ½ cu. yards	4 cu. yards	3.5 cu. yards
FXSLP-6K-12D	5.9 cu. yards	8,500 lbs.	3 ½ cu. yards	3 cu. yards	2 ½ - 3 cu. yards
FXSLP-5.2K-12D	5.6 cu. yards	7,000 lbs.	2 ½-3 cu. yards	2 ½ cu. yards	2 – 2 ½ cu. yards
FXSLP-5.2K-10D	4.7 cu. yards	7,000 lbs.	2 ½-3 cu. yards	2 ½ cu. yards	2 – 2 ½ cu. yards
FXALPG-8K-14KTI	7.08 cu. yards	12,000 lbs	5 cu. yards	4 to 4 ½ cu. yards	4 cu. yards
FXALPG-7K-14KTI	7.08 cu. yards	10,500 lbs	4 ½ cu. yards	4 cu. yards	3.5 cu. yards
FXALP-8K-14KTI	7.08 cu. yards	12,000 lbs	5 cu. yards	4 to 4 ½ cu. yards	4 cu. yards
FXALP-7K-14KTI	7.08 cu. yards	10,500 lbs	4 ½ cu. yards	4 cu. yards	3.5 cu. yards
FXALP-6K-12KTI	6.07 cu. yards	8,500 lbs	3 ½ cu. yards	3 cu. yards	2 ½ - 3 cu. yards
FXALP-5.2K-10KTI	4.4 cu. yards	7,000 lbs	2 ½-3 cu. yards	2 ½ cu. yards	2 – 2 ½ cu. yards