



EAST COAST TRUCK & TRAILER SALES

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2024 KENTUCKY 53' SPREAD AXLE CUSTOM MOVING VAN WITH 4 DOUBLE DOORS ON ROADSIDE AND CURBSIDE - 15,400 lbs. Tare Weight

	TRACTOR	TRAILER 5TH WHEEL SECTION	TRAILER BELLY SECTION	SPLIT AXLE SECTION
LENGTH (144' Spacing Split Axle)	474" (39.5')	144" (12')	264" (22')	228" (19')

	AXLE #1 (Steer)	AXL2 #2 (Drive Front)	AXLE #3 (Drive Rear)	AXLE #4 (Trailer First)	AXLE #5 (Trailer Rear)
MANUFACTURER RATING	23,000 lbs.	23,000 lbs.	23,000 lbs.	20,000 lbs.	20,000 lbs.
FEDERAL RATING	12,000 lbs.	17,000 lbs.	17,000 lbs.	17,000 lbs.	17,000 lbs.
SPACING (feet)	0'	393" (32.75')	54" (4.5')	408" (34')	144" (12')
FEDERAL PERMIT RATING	Single Axle 13,200 lbs.	Drive Front (1 of 2) 20,000 lbs.	Drive Rear (2 of 2) 20,000 lbs.	Split Axle (1 of 2) 20,000 lbs.	Split Axle (2 of 2) 20,000 lbs..
NORTH CAROLINA PERMIT RATING	Single Axle 13,200 lbs.	Drive Front (1 of 2) 20,000 lbs.	Drive Rear (2 of 2) 20,000 lbs.	Split Axle (1 of 2) 20,000 lbs.	Split Axle (2 of 2) 20,000 lbs.
PERMIT WEIGHT	Axle 1 Spacing - 0'	Axle 1-2 Spacing - 393" Feet - 32' Rating -40,000 lbs.'	Axle 2-3 Spacing - 54" Feet - 4.5' Rating -34,000 lbs.	Axle 3-4 Spacing - 408" Feet - 34' Rating -40,000 lbs.	SPLIT AXLE Axle 4-5 Spacing - 144 Feet - 12' Rating -40,000 lbs. GCVWR - 154,000 lbs.

1. **TOTAL SPECIFICATIONS (Gross Vehicle Weight Rating)**
2. **Total Length:.....636" (53')**
3. **Kingpin Spacing:.....36" (3')**
4. **Swing Radius:.....108" (9')**
5. **# of Double Doors:.....8 (4 on each side - 48" Door Width)**
6. **Fifth Wheel Section Specs:**
 - a. Length:.....144" (12')
 - b. Width:.....102" (8.5')
 - c. Int. Height:.....111" (9.25')
 - d. Ext.. Height:.....162" (13.5')
 - e. Cubic Inches of Space:.....1,630,368 cu. Inches
 - i. Pounds Per Square Inch:.....0.005 lbs. Per Cubic Inch
 - f. Cubic Feet of Space:.....943 Cubic Feet
 - i. Pounds Per Cubic Feet:.....8.1 lbs.
 - g. Cubic Yards of Space:.....34.9 Cubic Yards

- i. Pounds Per Cubic Yard:.....218 lbs. Per Cubic Yard
- h. Square Yards of Space:.....102 Square Yards
- i. Pounds Per Square Yards:.....74.5 lbs. Per Square Yard



i. **LEFT SIDE NUMBERS SYSTEM:**

1. 0100= 635 lbs. Allowed (2.9 Cubic Yards)
2. 0200 = 1,270 lbs. Allowed (5.8 Cubic Yards)
3. 0300 = 1,905 lbs Allowed (8.7 Cubic Yards)
4. 0400 = 2,540 lbs. Allowed (11.6 Cubic Yards)
5. 0500 = 3,175 lbs. Allowed (14.5 Cubic Yards)
6. 0600 = 3,810 lbs. Allowed (17.4 Cubic Yards)
7. 0700 = 4,445 lbs. Allowed (20.3 Cubic Yards)

8. 0800 = 5,080 lbs. Allowed (23.2 Cubic Yards)
9. 0900 = 5,715 lbs. Allowed (26.1 Cubic Yards)
10. 1000 = 6,350 lbs. Allowed (29.0 Cubic Yards)
11. 1100 = 6,985 lbs. Allowed (31.9 Cubic Yards)
12. 1200 = 7,620 lbs. Allowed (34.8 Cubic Yards)

j. RIGHT SIDE NUMBER SYSTEM

1. 5300 = 635 lbs. Allowed (2.9 Cubic Yards)
2. 5200 = 1,270 lbs. Allowed (5.8 Cubic Yards)
3. 5100 = 1,905 lbs. Allowed (8.7 Cubic Yards)
4. 5000 = 2,540 lbs. Allowed (11.6 Cubic Yards)
5. 4900 = 3,175 lbs. Allowed (14.5 Cubic Yards)
6. 4800 = 3,810 lbs. Allowed (17.4 Cubic Yards)
7. 4700 = 4,445 lbs. Allowed (20.3 Cubic Yards)
8. 4600 = 5,080 lbs. Allowed (23.2 Cubic Yards)
9. 4500 = 5,715 lbs. Allowed (26.1 Cubic Yards)
10. 4400 = 6,350 lbs. Allowed (29.0 Cubic Yards)
11. 4300 = 6,985 lbs. Allowed (31.9 Cubic Yards)
12. 4200 = 7,620 lbs. Allowed (34.8 Cubic Yards)

k. Pounds Per Foot Allowable:.....7,607.5 lbs.

7. Belly Deck Section Specs:

- a. Length:.....264" (22')
- b. Width:.....102" (8.5')
- c. Int. Height:.....150" (12.5')
- d. Ext. Height:.....162" (13.5')
- e. Cubic Inches of Space:.....4,039,200 cu. inches
- f. Cubic Feet of Space:.....2,337.5 Cubic Feet
- g. Cubic Yards of Space:.....86.5 Cubic Yards
 - i. Pounds Per Cubic Yard:.....388.4 lbs. Per Cubic Yard
- h. Square Yards of Space:.....187 Square Yards
 - i. Pounds Per Square Yards:.....179.7 lbs. Per Square Yard

8. LEFT SIDE NUMBERS SYSTEM:

- i. 1300 = 633.9 lbs. Allowed (3.9 Cubic Yards)
- ii. 1400 = 1,267.8 lbs. Allowed (7.8 Cubic Yards)
- iii. 1500 = 1,901.7 lbs. Allowed (11.7 Cubic Yards)
- iv. 1600 = 2,535.6 lbs. Allowed (15.6 Cubic Yards)
- v. 1700 = 3,169.5 lbs. Allowed (19.5 Cubic Yards)
- vi. 1800 = 3,803.4 lbs. Allowed (23.4 Cubic Yards)
- vii. 1900 = 4,437.3 lbs. Allowed (27.3 Cubic Yards)
- viii. 2000 = 5,071.2 lbs. Allowed (31.2 Cubic Yards)
- ix. 2100 = 5,705.1 lbs. Allowed (31.5 Cubic Yards)
- x. 2200 = 6,339 lbs. Allowed (39.0 Cubic Yards)
- xi. 2300 = 6,972.9 lbs. Allowed (42.9 Cubic Yards)
- xii. 2400 = 7,606.8 lbs. Allowed (46.8 Cubic Yards)

- xiii. 2500 = 8,240.7 lbs. Allowed (50.7 Cubic Yards)
- xiv. 2600 = 8,874.6 lbs. Allowed (54.6 Cubic Yards)
- xv. 2700 = 9,508.5 lbs. Allowed (58.5 Cubic Yards)
- xvi. 2800 = 10,142.4 lbs. Allowed (62.4 Cubic Yards)
- xvii. 2900 = 10,776.3 lbs. Allowed (66.3 Cubic Yards)
- xviii. 3000 = 11,410.2 lbs. Allowed (70.2 Cubic Yards)
- xix. 3100 = 12,044.1 lbs. Allowed (74.1 Cubic Yards)
- xx. 3200 = 12,678 lbs. Allowed (78 Cubic Yards)
- xxi. 3300 = 13,311.9 lbs. Allowed (81.9 Cubic Yards)
- xxii. 3400 = 13,945.8 lbs. Allowed (85.8 Cubic Yards)

9. RIGHT SIDE NUMBER SYSTEM

- i. 3400= 633.9 lbs. Allowed (3.9 Cubic Yards)
- ii. 3300 = 1,270 lbs. Allowed (7.8 Cubic Yards)
- iii. 3200 = 1,905 lbs Allowed (11.7 Cubic Yards)
- iv. 3100 = 2,540 lbs. Allowed (15.6 Cubic Yards)
- v. 3000 = 3,175 lbs. Allowed (19.5 Cubic Yards)
- vi. 2900= 3,810 lbs. Allowed (23.4 Cubic Yards)
- vii. 2800 = 4,445 lbs. Allowed (27.3 Cubic Yards)
- viii. 2700= 5,080 lbs. Allowed (31.2 Cubic Yards)
- ix. 2600 = 5,715 lbs. Allowed (35.1 Cubic Yards)
- x. 2500 = 6,350 lbs. Allowed (39 Cubic Yards)
- xi. 2400 = 6,985 lbs. Allowed (42.9 Cubic Yards)
- xii. 2300 = 7,620 lbs. Allowed (46.8 Cubic Yards)
- xiii. 2200 = 8,240.7 lbs. Allowed (50.7 Cubic Yards)
- xiv. 2100 = 8,874.6 lbs. Allowed (54.6 Cubic Yards)
- xv. 2000 = 9,508.5 lbs. Allowed (58.5 Cubic Yards)
- xvi. 1900 = 10,142.4 lbs. Allowed (62.4 Cubic Yards)
- xvii. 1800 = 10,776.3 lbs. Allowed (66.3 Cubic Yards)
- xviii. 1700 = 11,410.2 lbs. Allowed (70.2 Cubic Yards)
- xix. 1600 = 12,044.1 lbs. Allowed (74.1 Cubic Yards)
- xx. 1500 = 12,678.0 lbs. Allowed (78 Cubic Yards)
- xxi. 1400 = 13,311.9 lbs. Allowed (81.9 Cubic Yards)
- xxii. 1300 = 13,945.8 lbs. Allowed (85.8 Cubic Yards)

10. Pounds Per Foot Allowable:.... 13,945.8 lbs. (Cubic Yards)

11. Split Axle Section Specs:

- a. Length:.....228" (19')
- b. Width:.....102" (8.5')
- c. Int. Height:.....120" (10')
- d. Ext.. Height:.....162" (13.5')
- e. Cubic Inches of Space:.....2,790,720 cu. inches
- f. Cubic Feet of Space:.....1,615 Cubic Feet
- g. Cubic Yards of Space:.....59.8 Cubic Yards

- i. Pounds Per Cubic Yard:.....561.9 lbs. Per Cubic Yard
- h. Square Yards of Space:....161.5 Square Yards
 - i. Pounds Per Square Yards:.....208.0 lbs. Per Square Yards

i. **LEFT SIDE NUMBERS SYSTEM:**

1. 3500= 633.9 lbs. Allowed (3.1 Cubic Yards)
2. 3600 = 1,267.8 lbs. Allowed (6.2 Cubic Yards)
3. 3700 = 1,901.7 lbs Allowed (9.3 Cubic Yards)
4. 3800 = 2,535.6 lbs. Allowed (12.4 Cubic Yards)
5. 3900 = 3,169.5 lbs. Allowed (15.5 Cubic Yards)
6. 4000 = 3,803.4 lbs. Allowed (18.6 Cubic Yards)
7. 4100 = 4,437.3 lbs. Allowed (21.7 Cubic Yards)
8. 4200 = 5,071.2 lbs. Allowed (24.8 Cubic Yards)
9. 4300 = 5,705.1 lbs. Allowed (27.9 Cubic Yards)
10. 4400 = 6,339 lbs. Allowed (31.0 Cubic Yards)
11. 4500= 6,972.9 lbs. Allowed (34.1 Cubic Yards)
12. 4600 = 7,606.8 lbs. Allowed (37.2 Cubic Yards)
13. 4700 = 8,240.7 lbs. Allowed (40.3 Cubic Yards)
14. 4800 = 8,874.6 lbs. Allowed (43.4 Cubic Yards)
15. 4900 = 9,508.5 lbs. Allowed (46.5 Cubic Yards)
16. 5000 = 10,142.4 lbs. Allowed (49.6 Cubic Yards)
17. 5100 = 10,776.3 lbs. Allowed (52.7 Cubic Yards)
18. 5200 = 11,410.2 lbs. Allowed (55.8 Cubic Yards)
19. 5300 = 12,044.1 lbs. Allowed (58.9 Cubic Yards)

j. **RIGHT SIDE NUMBER SYSTEM**

1. 5300= 633.9 lbs. Allowed (3.1 Cubic Yards)
2. 5200 = 1,267.8 lbs. Allowed (6.2 Cubic Yards)
3. 5100 = 1,901.7 lbs Allowed (9.3 Cubic Yards)
4. 5000 = 2,535.6 lbs. Allowed (12.4 Cubic Yards)
5. 4900 = 3,169.5 lbs. Allowed (15.5 Cubic Yards)
6. 4800= 3,803.4 lbs. Allowed (18.6 Cubic Yards)
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10. 4400 = 6,339.0 lbs. Allowed (31.0 Cubic Yards)
11. 4300 = 6,972.9 lbs. Allowed (34.1 Cubic Yards)
12. 4200 = 7,606.8 lbs. Allowed (37.2 Cubic Yards)
13. 4100 = 8,240.7 lbs. Allowed (40.3 Cubic Yards)
14. 4000 = 8,874.6 lbs. Allowed (43.4 Cubic Yards)
15. 3900 = 9,508.5 lbs. Allowed (46.5 Cubic Yards)
16. 3800 = 10,142.4 lbs. Allowed (49.6 Cubic Yards)
17. 3700 = 10,776.3 lbs. Allowed (52.7 Cubic Yards)
18. 3600 = 11,410.2 lbs. Allowed (55.8 Cubic Yards)
19. 3500 = 12,044.1 lbs. Allowed (58.9 Cubic Yards)

k. Pounds Per Foot Allowable:....12,045.3 lbs.

12. Tires Size:.....17.5"

13. Wheelbase (Kingpin to Split Axle 144" Spacing).....480" (40")

14. Split Axle Trailer GVWR

a. Tractor (420" [35'] Spacing 3-Axles):.....60,000 lbs.

b. 3-Axles (Drives & Front Split Axle- 34' Spacing):...60,000 lbs.

c. 2-Axles (Split Axles - 12' Spacing):.....40,000 lbs.

d. TOTAL GROSS COMBINATION VEHICLE RATING:.....91,500 lbs.

15. Tare Weight:

a. Tractor (474" [39.5'] Length):.....32,000 lbs (16-Tons)

b. Trailer (636" [53'] Length):.....15,400 lbs. (7.7-Tons)