



HUDSONVILLE TRAILER

3308 Hudson Trails Drive

Hudsonville, MI 49426

(616)896-8900

[HTTPS://www.hudsonvilletrailer.com](https://www.hudsonvilletrailer.com)



	MANUFACTURER RATING	FEDERAL LEGAL AXLE RATING	TIRE TYPE	TIRE SIZE
Peterbilt 389 Tri Axle Steer Axle #1	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	24.5"
Peterbilt 389 Tri Axle Lift Steerable Axle #2	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	24.5"
Peterbilt 389 Tri Axle Drive Front Axle #3	23,000 lbs.	17,000 lbs.	Michelin X Multi D 295 Duals 7,390 lbs. Max. Load	24.5"
Peterbilt 389 Tri Axle Drive Rear Axle #4	23,000 lbs.	17,000 lbs.	Michelin X Multi D 295 Duals 7,390 lbs. Max. Load	24.5"
Mac 8-Axle Flatbed #5 Lift Steerable Axle	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	22.5"
Mac 8-Axle Flatbed #6 Lift Steerable Axle	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	22.5"
Mac 8-Axle Flatbed #7 Lift Steerable Axle	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	22.5"
Mac 8-Axle Flatbed #8 Lift Axle	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
Mac 8-Axle Flatbed #9 Lift Axle	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
Mac 8-Axle Flatbed #10 Lift Axle	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
Mac 8-Axle Flatbed #11 Lift Steerable Axle	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	22.5"
Mac 8-Axle Flatbed	20,000 lbs	12,000 lbs.	Michelin X One Line Energy Super	22.5"

	MANUFACTURER RATING	FEDERAL LEGAL AXLE RATING	TIRE TYPE	TIRE SIZE
#12 Lift Steerable Axle			Single 10,200 lbs. Max. Load	

	AXLE SPACING (Feet)	AXLE CLASSIFICATION (DOT Requirements)	FEDERAL BRIDGE WEIGHT FORMULA	NORTH CAROLINA STATE POLICE COMMERCIAL DIVISION PERMIT REGULATIONS
Peterbilt 389 Tri Axle Steer Axle #1	N/a	Single	N/a	20,000 lbs. Single - Steer
Peterbilt 389 Tri Axle Lift Steerable Axle #2	22.5'	1st of Tridem	N/a	20,000 lbs. (Tridem - 60,000 lbs.) 1st of 3
Peterbilt 389 Tri Axle Drive Front Axle #3	4.5'	2nd of Tridem	61,500 lbs. 29' Spacing (USDOT 4-AXLES)	20,000 lbs. (Tridem - 60,000 lbs.) 2nd of 3
Peterbilt 389 Tri Axle Drive Rear Axle #4	4.5'	3rd of Tridem	N/a	20,000 lbs. (Tridem - 60,000 lbs.) 3rd of 3
Mac 8-Axle Flatbed #5 Lift Steerable Axle	14.5' [14' from front]	Single	N/a	20,000 lbs. (1st of 3 Tri Axle Bogie) 60,000 lbs.
Mac 8-Axle Flatbed #6 Lift Steerable Axle	7' [21.5' from front]	Single	N/a	20,000 lbs. (2nd of 3 Tri Axle Bogie) 60,000 lbs.
Mac 8-Axle Flatbed #7 Lift Steerable Axle	7' [28.5' from front]	Single	N/a	20,000 lbs. (3rd of 3 Tri Axle Bogie) 60,000 lbs.
Mac 8-Axle Flatbed #8 Lift Steerable Axle	4.5' [33.0' from front]	1st of Tridem	N/a	20,000 lbs. (Tridem - 60,000 lbs.)

				<i>1st of 3</i>
Mac 8-Axle Flatbed #9 Lift Axle	<i>4.5' [37.5' from front]</i>	<i>2nd of Tridem</i>	<i>92,000 lbs. 36' Spacing (USDOT 9-AXLES)</i>	<i>20,000 lbs. (Tridem - 60,000 lbs.) 2nd of 3</i>
Mac 8-Axle Flatbed #10 Lift Axle	<i>4.5' [42.0' from front]</i>	<i>3rd of Tridem</i>	<i>N/a</i>	<i>20,000 lbs. (Tridem - 60,000 lbs.) 3rd of 3</i>
Mac 8-Axle Flatbed #11 Lift Steerable Axle	<i>4.5' [46.5' from front]</i>	<i>Single</i>	<i>N/a</i>	<i>20,000 lbs. Single</i>
Mac 8-Axle Flatbed #12 Lift Steerable Axle	<i>4.5' [51' from front]</i>	<i>Single</i>	<i>N/a</i>	<i>20,000 lbs. Single</i>

TRACTOR (GVWR)	TRAILER (GVWR)	GROSS COMBINATION VEHICLE WEIGHT RATING	TRAILER SHIPMENT WEIGHT CAPACITY	TRACTOR & TRAILER MANUFACTURER WEIGHT CAPACITY
<i>61,500 lbs. GVWR</i>	<i>92,000 lbs. GVWR</i>	<i>153,500 lbs. GCVWR</i>	<i>109,760 lbs.</i>	<i>187,500 lbs Manufacturing Weight Rating</i>
<i>25,000 lbs. Tare Weight</i>	<i>18,740 lbs. Tare Weight</i>	<i>43,740 lbs. Tare Weight</i>		<i>143,760 lbs. Manufacturing Shipment Weight Rating</i>

2024 MAC MFG M-80 MULTI AXLE FLATBED TRAILER

1. **TOTAL SPECIFICATIONS (Gross Vehicle Weight Rating)**
2. **Total Length (Fully Closed Trailer).....636" (53')**
3. **Wheelbase (Kingpin to Center Axle).....436" (36')**
4. **Trailer GVWR (8-Axles).....136,000 lbs. (68-Tons)**
5. **Tare Weight w/Peterbilt 389 Tri Axle (Estimated & Max Weight Preferred)....43,740 lbs. [Est.] 47,000 lbs. [Max.]**
6. **Drive Axle Sections Specifications'..... 12 Length x 8.5'Width x 52" Height**
 - a. **Max. Shipment Weight Per Square Inch (With Permit)....1.42 lbs. Per Square Inch**
 - b. **Max. Shipment Weight Per Square Inch (Legal 80,000 lbs.)....0.55 lbs. Per Square Inch**
 - c. **Max. Shipment Weight Per Cubic Inch (Height 13'6" /Width 8'6") Legal: 0.005 lbs. Per Cubic Inch**
 - d. **Max. Shipment Weight Per Cu. Inch (Height 13'6" /Width 8'6") Permit:....0.01 lbs. Per Cubic Inch**
 - e. **Max. Shipment Height Per Inch (9.1' Max. Height) Permit:189.9 lbs. Per Inch**
 - f. **Max. Shipment Height Per Foot (9.1' Max. Height) Legal:.....74.6 lbs. Per Inch**
 - g. Max. Shipment Weight (Permit).....;.....20,888.4 lbs.**
 - h. Max. Shipment Weight (Legal).....8,209.2 lbs.**
 - i. **Max. Amount of Pallets Capacity.....6 Pallets**
 - j. **Max. Amount of Shipment & Pallet Weight on Each Pallet (Legal)...1,346.4 lbs.**
 - k. **Max. Amount of Shipment & Pallet Weight on Each Pallet (Permit):...3,476.1 lbs.**
 - l. **Max. Amount of Aircraft Transport Lift Vans (87"H x 87"L x 48"W):....3 Lift Vans**
 - m. **Max. Amount of Goods weight inside Each Lift Van (Permit):....6,952.3 lbs.**
 - n. **Max. Amount of Goods Weight Inside Each Lift Van (Legal):.....2,692.8 lbs.**
 - o. **Max. Amount Medium Moving PODS Containers (12'L x 8'W x 8'H)...1 Containers**
 - p. **Max. Amount of Goods Weight inside Moving PODS (Permit):...27.1 lbs. Per Cu. Foot**
 - q. **Max. Amount of Goods Weight inside Moving PODS (Legal):...10.5 lbs. Per Cubic Foot**
 - r. **# of Dry or Refrigerated 10' Shipping Containers:.....1-Dry or Reefer Container**
 - s. **Max. Weight per 10' Dry or Reefer Shipping Container (Permit):...17,407 lbs.**
 - t. **Max. Weight per 10' Dry or Reefer Shipping Container (Legal):....6,841.0 lbs.**
7. **Center Section Specifications.....25' Length x 8.5'Width x 52" Height**
 - a. **Max. Shipment Weight Per Square Inch (With Permit)....1.42 lbs. Per Square Inch**
 - b. **Max. Shipment Weight Per Square Inch (Legal 80,000 lbs.)....0.55 lbs. Per Square Inch**
 - c. **Max. Shipment Weight Per Cubic Inch (Height 13'6" /Width 8'6") Legal: 0.005 lbs. Per Cubic Inch**
 - d. **Max. Shipment Weight Per Cu. Inch (Height 13'6" /Width 8'6") Permit:....0.01 lbs. Per Cubic Inch**

- e. Max. Shipment Height Per Inch (9.1' Max. Height) Permit:395.6 lbs. Per Inch
 - f. Max. Shipment Height Per Foot (9.1' Max. Height) Legal:.....155.4 lbs. Per Foot
 - g. Max. Shipment Weight (Permit).....43,500.0 lbs.**
 - h. Max. Shipment Weight (Legal).....17,102.5 lbs.**
 - i. Max. Amount of Pallets Capacity..... 12 Pallets
 - j. Max. Amount of Shipment & Pallet Weight on Each Pallet (Legal).....1,425.2 lbs.
 - k. Max. Amount of Shipment & Pallet Weight on Each Pallet (Permit):.....3,625 lbs.
 - l. Max. Amount of Aircraft Transport Lift Vans (87"H x 87"L x 48"W):.....6 Lift Vans
 - m. Max. Amount of Goods weight inside Each Lift Van (Permit):.....7,250.0 lbs.
 - n. Max. Amount of Goods Weight Inside Each Lift Van (Legal):.....2,850.4 lbs.
 - o. Max. Amount Medium Moving PODS Containers (12'L x 8'W x 8'H):..2 Containers
 - p. Max. Amount of Goods Weight inside Moving PODS (Permit):...28.3 lbs. Per Cu. Foot
 - q. Max. Amount of Goods Weight inside Moving PODS (Legal):...22.2 lbs. Per Cubic Foot
 - r. # of Dry or Refrigerated 10' Shipping Containers:.....2-Dry or Reefer Container
 - s. Max. Weight per 10' Dry or Reefer Shipping Container (Permit):...17,400 lbs. Each
 - t. Max. Weight per 10' Dry or Reefer Shipping Container (Legal):....6,841.0 lbs. Each
- 8. Tri Axle Section Specification (Open Trailer)....16' Length x 8.5 Width x 52" Height**
- a. Max. Shipment Weight Per Square Inch (With Permit)....1.42 lbs. Per Square Inch
 - b. Max. Shipment Weight Per Square Inch (Legal 80,000 lbs.)....0.55 lbs. Per Square Inch
 - c. Max. Shipment Weight Per Cubic Inch (Height 13'6" / Width 8'6") Legal: 0.005 lbs. Per Cubic Inch
 - d. Max. Shipment Weight Per Cu. Inch (Height 13'6" / Width 8'6") Permit:....0.01 lbs. Per Cubic Inch
 - e. Max. Shipment Height Per Inch (9.1' Max. Height) Permit:253.2 lbs. Per Inch
 - f. Max. Shipment Height Per Foot (9.1' Max. Height) Legal:.....99.5 lbs. Per Foot
 - g. Max. Shipment Weight (Permit).....27,851.2 lbs.**
 - h. Max. Shipment Weight (Legal).....10,945.6 lbs.**
 - i. Max. Amount of Pallets Capacity.....8 Pallets
 - j. Max. Amount of Shipment & Pallet Weight on Each Pallet (Legal).....1,368.2 lbs.
 - k. Max. Amount of Shipment & Pallet Weight on Each Pallet (Permit):.....3,481.4 lbs.
 - l. Max. Amount of Aircraft Transport Lift Vans (87"H x 87"L x 48"W):.....4 Lift Vans
 - m. Max. Amount of Goods weight inside Each Lift Van (Permit):.....6,9562.8 lbs.
 - n. Max. Amount of Goods Weight Inside Each Lift Van (Legal):.....2,736.4 lbs.
 - o. Max. Amount Medium Moving PODS Containers (12'L x 8'W x 8'H):..1 Containers
 - p. Max. Amount of Goods Weight inside Moving PODS (Permit):...36.2 lbs. Per Cu. Foot
 - q. Max. Amount of Goods Weight inside Moving PODS (Legal):...14.2 lbs. Per Cubic Foot

- r. # of Dry or Refrigerated 10' Shipping Containers:.....1-Dry or Reefer Container*
- s. Max.Weight per 10' Dry or Reefer Shipping Container (Permit):...17,407 lbs.*
- t. Max.Weight per 10' Dry or Reefer Shipping Container (Legal):....6,841.0 lbs.*