

# Frequently Asked Questions

The following information has been accumulated by the sales department and is in response to the most frequently asked questions by both dealers and users.

1. What is the **GCWR** of the Kalmar Terminal Tractor, by model?

**GROSS COMBINED WEIGHT RATING: GCWR:** is the combined weight of the tractor and the laden trailer(s) calculated by adding the weight of the tractor, the trailer(s) and the load.

2. What are the approximate weights of the Kalmar Terminal Tractor?

Tractor weights are approximate averages for STANDARD models.

**Ottawa 4x2 Off-Road & DOT/EPA:** 13,500 to 14,700 lbs. (6120 to 6668 kg.)

**Ottawa 6x4 DOT/EPA:** 18,400 lbs (8346 kg.)

3. What are the average height and clearance dimensions of the Kalmar Terminal Tractor?

**Truck with Raised Roof Cab:**

Overall height to top of exhaust stack: 137 1/4"

Height to bottom of cab step: 24"

Ground clearance to bottom of rectangular tank: 19"

Ground clearance to bottom of battery box: 19"

Standard wheelbase: 110"

RRC rear door opening, sill to top of door: 67 3/4"

(NOTE: for STANDARD flat roof cab: 52 3/4")

**Truck with Flat Roof Cab:**

Front View: Deck width, curbside edge to Hood: 25"

Hood width: 23 1/2"

Cab width: 50"

Side View: Cab depth to back of Cab: 65"

Cab depth to edge of rear door: 68 1/2"

Cab depth to edge of rear platform: 79 1/2"

Side Door: Height: 52 1/4"

Width: 33"



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4. How much is added to the chassis frame length for the "Beavertail" option?

**Add 21.84"**

5. What are the distances from the back of cab to the trailing edges of the top, and bottom of the optional Trailer Stop?

**At Top:** 7 1/2"

**At Bottom:** 11 1/2"

6. What is the standard 5th wheel lifting capacity, and 5th wheel elevation travel?

**All Models:** Lift Capacity 60,000 lb. (27,215 kg) **Travel:** 17 1/2" (444 mm)

7. What are speed restrictions and guidelines for street legal and off road terminal tractors?

**Off Road Units: Maximum** road speed 25 MPH. All models. Speed requirements in excess of 25 MPH require DOT/EPA automotive certified engines. **NOTE:** On road units: Road speed of over 33 MPH **REQUIRES** FMVSS 121 and ABS brake systems.

8. What type of rear suspension is used on the Ottawa 6x4 DOT/EPA?

Rear Suspension: Rubber load pad, Ridewell Dynalastic equalizer beam with a load rating of 48,000 lbs. (21,770 kg).

9. What gauges and controls are standard on the off-road tractors?

**Standard Gauges:** All mounted in removable dash modules, back lighted: volt meter, oil pressure, fuel level, water temperature, air pressure and hour meter. **Standard Cab Controls:** accelerator, tractor/trailer brakes, transmission gear selector, 5th wheel elevation control, 5th wheel unlock, heater control, heater temp, windshield wiper control. **Toggle Switches:** Headlights, running lights, gauge illumination, 5th wheel flood light, dome light, trailer auxiliary light. Turn signals mounted on LH side of steering column and hazard warning light control with hi-lo beam switch. Key Type ignition-start stop switch is **STANDARD**.

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10. What trailer equipment is provided as standard?

Two (2) color coded (red and blue), coiled air lines w/glad hand receivers, 7 wire female receptacle at rear of cab, curbside. 7 wire trailer cable is OPTIONAL.

11. Can you provide more complete information of the standard chassis frames used on all models?

**All Models Basic Material:** ASTM A656 Grade 50. min. yield: 50,000 psi Ottawa 4x2: min. tensile: 60,000 psi, Ottawa 6x4: min. tensile: 80,000 psi, fine grained for improved mechanical properties and increased resistance to fatigue. Formed frame rails with “L” frame reinforcement provide more consistent and stabilized dimensions.

<b>Ottawa 4x2 Off-Road &amp; DOT/EPA:</b>	<b>RBM:</b> 1,835,000 lbs.	<b>SM:</b> 36.6
<b>Ottawa 6x4 DOT/EPA:</b>	<b>RBM:</b> 3,877,500 lbs.	<b>SM:</b> 48.47

**RBM** = Resisting Bending Movement

**SM** = Section Modulus

12. Does **FET** (Federal Excise Tax) apply to terminal tractors?

**NO!** Reference: Revised Rule 70-8, Section 48.4061 (a)-1 (d) Manufacturers & Retailers Excise Tax Regulations. Paragraph one states: "Truck tractors specifically designed for use in shifting semi-trailers in and around freight terminals and freight yards are not subject to tax section 4061 (a) (1) of the code." There is more detail in other sections, but the above is the rule.

13. What is the turning radius of each model? (See chart below)

The values below are theoretical per SAE J695 (40 degree wheelcut)

<b>Wheelbase:</b>	110	116	122	132	146
<b>Turning Dia:</b>	33.8'	35.6'	37.4'	40.6'	47.10'
<b>Curb to Curb:</b>	34.7'	36.5'	38.4'	41.4'	48.9'
<b>Wall to Wall LH:</b>	37.8'	39.6'	41.4'	44.4'	51.8'
<b>Wall to Wall RH:</b>	39.7'	41.5'	43.3'	46.3'	53.5'