



# Palletized Load System (PLS)



## Specifications



### OSHKOSH TRUCK CORPORATION

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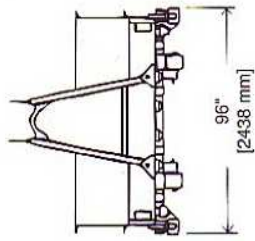


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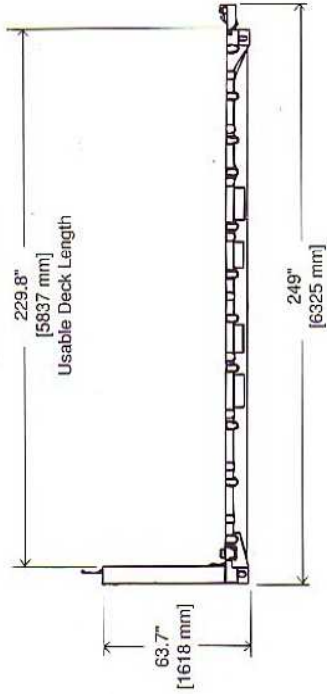
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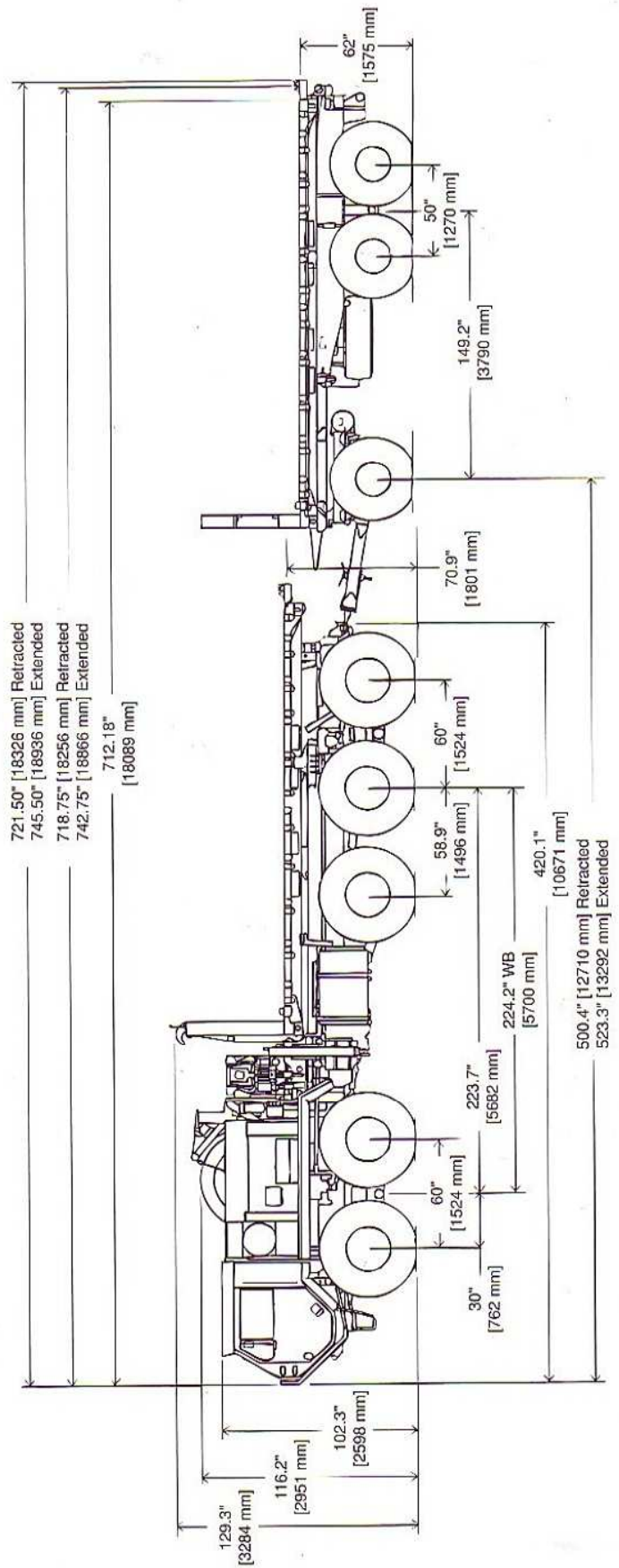
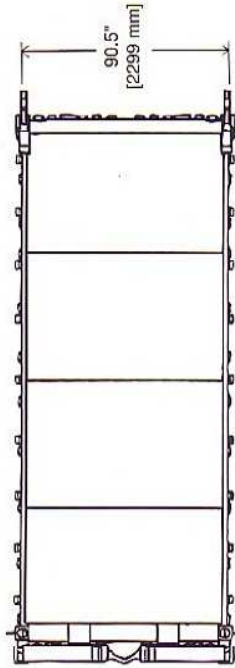
**REAR VIEW**



**SIDE VIEW**



**TOP VIEW**



For reference only. The addition of options will change the listed standard dimensions, consult Oshkosh Truck Corporation. Specifications, descriptions, and illustrations in this literature are as accurate as known at the time of publication, but are subject to change without notice. Ratings are general guidelines. Actual ratings vary with application and duty cycle. Illustrations may include optional equipment and accessories and may not include all standard equipment. Consult Oshkosh Truck Corporation for additional information.



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# Oshkosh PLS

## A Total Distribution System

Palletized Load System (PLS): a revolutionary concept in logistics. A highly mobile truck and trailer form a self-contained system that loads and unloads a wide range of cargo without the need for forklifts or other material handling equipment.

Truck and trailer each carry a demountable cargo bed called a flatrack. Each flatrack handles a 16.5 ton load, providing a 33 ton total capacity. The PLS has a hydraulically powered arm with a hook that lifts the flatrack on or off the truck. Up to ten pallets of supplies can be secured to a flatrack. A crane on the truck can drop off the pallets individually if the entire load is not needed. Without leaving the cab, the driver loads or unloads in less than one minute for the truck and less than five minutes

for both truck and trailer. The 10-wheel drive PLS truck is equipped with a 500 horsepower engine and a five speed automatic transmission. Central tire inflation gives PLS the ability to cross rugged terrain with ease. Over sand... rocks... mud... and on paved roads, the turn of a dial provides correct tire pressure to achieve superb mobility under varying conditions.

The pace of modern battle is accelerating rapidly. But an army can only move as fast as its supplies can keep up and modern combat weapon systems are only as effective as their logistics support. PLS enables logisticians to get supplies where they're needed, when they're needed. PLS - The Army's Total Distribution System.

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### Truck (M1074, M1075)

#### **Axles**

- Axle Configuration- 10 x 10 - Five axles; 1,2,5 steering
- Make and Model - Rockwell SVI 5MR
- Rated Capacity - 26,455 lb [12 000 kg] ea
- Type - Driving; Differential and planetary hub reduction - Double cardon joint steering axles
- Inter-Axle Differential Lock - Controlled by Central Tire Inflation System (CTIS)
- Intra-Axle Lock - Controlled by CTIS
- Gear Ratios -  
Final - 6.00:1  
Differential Carrier - 1.687:1  
Planetary Hub - 3.556:1

#### **Brakes, Parking And Emergency**

- Type - Spring brakes on axles 3, 4 and 5
- Secondary Emergency System - modulated split air type

#### **Brakes, Service**

- Make - Rockwell
- Type - Drum with internal shoe, air operated dual wedge system and automatic adjustment
- Size - 16.1 x 7.9 in [410 x 200 mm]

#### **Cab**

Construction and Accessories - Extra heavy-duty; Welded steel construction with corrosion-resistant skins; Two-man, 96 in [2438 mm] cab width; Tinted safety glass throughout; Piano-type door hinges with stainless steel hinge pins; Suspension driver and passenger seats; Dual sun visors; Interior light; Auxiliary circuit breakers 12/24 Volt @ 15 amp;

#### **Cab (continued)**

Two speed electric windshield wipers; Windshield washer; Electric horn; Air horn; Heater and defroster; 3 point seat belts with retractors

Instrumentation - US/metric gauges; Speedometer with odometer (miles); Odometer (kilometers); Gauges: Dual air pressure, engine oil pressure, fuel level, coolant temperature, tachometer with engine hour meter, transmission oil temperature; 12 and 24 voltmeter; Air cleaner restriction indicator; Auxiliary hydraulics activation light; Emergency steering system activation light; Engine brake indicator light; Engine and transmission malfunction indicator lights; High beam indicator light; High coolant temperature warning light/ buzzer; LHS activation light; LHS no-transit indicator light; LHS overload indicator light; Low air pressure warning light/buzzer; Low hydraulic oil warning light/buzzer; Low oil pressure warning light/buzzer; Trailer flatrack unlocked indicator light; Transfer case lockup light; Turn signal indicator lights

#### **Central Tire Inflation System (CTIS)**

- Preset Selections - Highway; Cross Country; Mud-Sand-Snow; Emergency

#### **Chassis Equipment**

Auxiliary air supply connection; Blackout lights; Extra heavy-duty front bumper and skid plate; Front and rear LED identification and clearance lights; Front and rear tow eyes; Front, center and rear LED marker lights; Front steel fenders; Self-guided pintle hook; Service and emergency air brake connectors front and rear; Slave

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