



PALLETIZED LOAD SYSTEM

PLS A1 | M1074A1



Supplies And Equipment Anywhere The Mission Calls. Oshkosh® PLS A1 M1074A1.

With the ability to power through each mission and overcome any challenge along the way, the Oshkosh Defense® PLS A1 M1074A1 is a performance workhorse. It gets equipment and supplies wherever they're needed, and it has the ability to load and unload those supplies and equipment all by itself.

The PLS A1 M1074A1 increases mission effectiveness and decreases personnel fatigue. The truck and trailer can haul an ISO container or demountable flatrack. Each flatrack secures as many as ten supply pallets with a total load capacity of 16.5 tons (14969 kg). A hydraulic arm and cargo hook load and unload – so there's no need for a forklift or other material handling equipment. With minimal risk and maximum efficiency, the driver can reposition loads from within the safety of the cab. And, its 600 horsepower Caterpillar® C15 engine provides 100 more horsepower than the original PLS.

Built to perform under the most extreme conditions, the PLS A1 M1074A1 enables the operator to respond efficiently and effectively to any challenge, regardless of the environment, and ensures mission success each and every time.

PLS A1 | M1074A1 | PALLETIZED LOAD SYSTEM

- 600 horsepower diesel engine provides the power and performance to haul even the heaviest loads
- TAK-4® independent suspension system offers unmatched stability and mobility
- Able to climb a 60 percent grade on its own with full payload or GVW
- Truck and trailer combination can haul demountable flatrack or ISO container while climbing a 30 percent grade at full payload capacity
- Hydraulic arm can load or unload the flatracks in less than one minute from the truck, and less than five minutes from both the truck and trailer
- Engineering Mission Modules (EMMs) further expand PLS A1 mission profiles to include building and repairing roads, firefighting and construction details

Cab Seating: 2 person • air-ride seats
• 4-point safety belts

Axle Configuration: 10x10 all-wheel drive

Curb Weight: 57,500 lbs. (26082 kg)
includes flatrack

Gross Vehicle Weight Rating (GVWR):
90,500 lbs. (41050 kg)

Gross Combined Weight Rating (GCWR):
140,000 lbs. (63503 kg)

Length: 425 in. (10795 mm) without flatrack
445 in. (11303 mm) including flatrack

Width: 99 in. (2517 mm) includes flatrack

Height: 129 in. (3277 mm)

Deck Height: 69 in. (1753 mm) fully loaded

Track: 76 in. (1930 mm)

Wheelbase: 225 in. (5715 mm)

Maximum Speed: 62 mph (100 km/h)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 10 + 1 spare

Central Tire Inflation: Four preset selections –
HVVY • CC • MSS • EMERG

Fuel Capacity: 186 gal. (704 L)

Cruising Range: 300 mi. (483 km)

Fording: 48 in. (1219 mm)

Air Transportability: C-5A and C-17

Engine: Caterpillar® C15, ACERT 600 hp 15.2 L

Transmission: Allison® 4500 SP/6-speed automatic

Transfer Case: Oshkosh® 36000 Series/2 speed

Front Axle: Oshkosh TAK-4® with AxleTech® carriers
with differential lock and planetary wheelends

Rear Axle: AxleTech with differential lock
and planetary hubs

Suspension: Front – Oshkosh TAK-4 independent
Rear – Hendrickson RT400

Electrical System: (2) 24V/20A with master electrical
disconnect with (2) 12V/10A accessory in cab
• 260A alternator

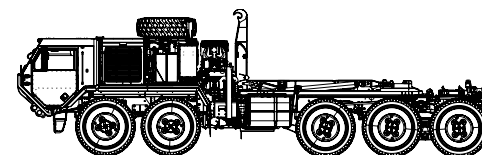
Brakes: AxleTech drum brakes with dual wedge actuation

Steering: 3-axle steering (axles 1, 2 and 5) • power assist

Load Handling System: Multilift MK V 36,250 lb.
(16443 kg) capacity

Crane: 5,400 lbs. (2449 kg)

Lighting: LED lights on all sides • LED black-out
drive light



Oshkosh Corporation
2307 Oregon Street, P.O. Box 2566 • Oshkosh, WI, USA 54903-2566
ph 1.920.235.9150 • fax 1.920.233.9506
Washington, DC Office
1300 North 17th Street, Suite 1040 • Arlington, VA, USA 22209
ph 1.703.525.8400 • fax 1.703.525.8408

©2010 OSHKOSH CORPORATION Oshkosh, the Oshkosh logo and TAK-4 are registered trademarks of Oshkosh Corporation, Oshkosh, WI, USA. All other trademarks are property of their respective owners.

oshkoshdefense.com

PALLETIZED LOAD SYSTEM

PLS A1 | M1075A1



**Support The Mission With Versatility,
Performance And Reliability.
Oshkosh Defense® PLS A1 M1075A1.**

Built to perform under the most extreme conditions, the Oshkosh Defense® PLS A1 M1075A1 enables efficient supply and equipment distribution in even the most treacherous environments. It offers armed forces the versatility, reliability and performance needed to support even the most challenging transportation line haul missions.

The PLS A1 M1075A1 offers the same power, performance and efficiency of the PLS A1 M1074A1, minus the material handling crane. Carrying its payloads on demountable flatrack cargo beds or inside 8x8x20 foot (2.4 m x 2.4 m x 6.1 m) ISO containers, its hydraulic Load Handling System (LHS) is capable of self-loading and unloading. Without leaving the cab, the operator can load or unload the truck in less than one minute, and both truck and trailer in less than five minutes – increasing mission efficiencies and safety while reducing personnel fatigue and risk. No additional material handling equipment or forklifts are needed.

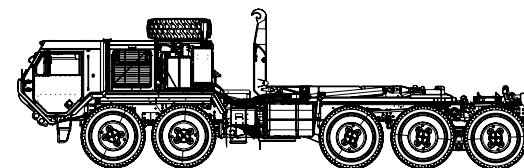
The consistent reliability, high performance and extreme versatility of the PLS A1 M1075A1 is the solution to meeting field mission support needs.

PLS A1 | M1075A1 | PALLETIZED LOAD SYSTEM

- Hydraulic Load Handling System (LHS) capable of self-loading and unloading flatracks with a 16.5-ton (14969 kg) payload capacity
- TAK-4® independent suspension system offers unmatched mobility
- Able to climb a 60 percent grade on its own with full payload or GVW
- Truck and trailer combination can haul demountable flatrack or ISO container while climbing a 30 percent grade at full payload capacity
- Engineering Mission Modules (EMMs) further expand mission profiles to include building and repairing roads, firefighting and construction details

Cab Seating: 2 person
Axle Configuration: 10x10 all-wheel drive
Curb Weight: 53,000 lbs. (24040 kg)
includes flatrack
Gross Vehicle Weight Rating (GVWR):
86,000 lbs. (39009 kg)
Gross Combined Weight Rating (GCWR):
135,500 lbs. (61462 kg)
Length: 425 in. (10795 mm) without flatrack
445 in. (11303 mm) including flatrack
Width: 99 in. (2517 mm)
Height: 129 in. (3277 mm)
Deck Height: 67 in. (1742 mm) fully loaded
Track: 76 in. (1930 mm)
Wheelbase: 225 in. (5715 mm)
Maximum Speed: 62 mph (100 km/h)
Tires: 16.00 R20 XZLT Michelin tubeless
Number of Tires: 10 + 1 spare
Central Tire Inflation: Four preset selections –
HWY • CC • MSS • EMERG
Fuel Capacity: 186 gal. (704 l)

Cruising Range: 300 mi. (483 km)
Fording: 48 in. (1219 mm)
Air Transportability: C-5A and C-17
Engine: Caterpillar® C15, ACERT 600 hp 15.2 L
Transmission: Allison® 4500SP/6-speed automatic
Transfer Case: Oshkosh® 36000 Series/2 speed
Front Axle: Oshkosh TAK-4® with AxleTech® carrier
with differential lock and planetary wheelends
Rear Axle: AxleTech with differential lock and
planetary wheelends
Suspension: Front – Oshkosh TAK-4 independent
Rear – Hendrickson RT400
Electrical System: 24V/260A with (2) 12V/10A
and (2) 24V/20A accessory in cab with master
electrical disconnect
Brakes: AxleTech drum brakes with dual wedge actuation
Steering: 3-axle steering (axles 1, 2 and 5)
Load Handling System: Multilift MK V 36,250 lb.
(16443 kg) capacity
Lighting: LED lights on all sides • LED blackout drive light



Oshkosh Corporation
2307 Oregon Street, P.O. Box 2566 • Oshkosh, WI, USA 54903-2566
ph 1.920.235.9150 • fax 1.920.233.9506
Washington, DC Office
1300 North 17th Street, Suite 1040 • Arlington, VA, USA 22209
ph 1.703.525.8400 • fax 1.703.525.8408

©2010 OSHKOSH CORPORATION Oshkosh, the Oshkosh logo and TAK-4 are registered trademarks of Oshkosh Corporation, Oshkosh, WI, USA
All other trademarks are property of their respective owners

oshkoshdefense.com



PALLETIZED LOAD SYSTEM

PLS | M1076 TRAILER



Support The Mission With Enhanced Hauling Capabilities. Oshkosh Defense® PLS M1076 Trailer (PLST).

Specifically designed for interoperability with Palletized Load System (PLS) vehicles, the Oshkosh Defense® PLS M1076 trailer (PLST) offers military personnel the versatility, reliability and performance needed to support transportation missions, even those in the most hazardous environments.

The PLST is a three-axle trailer with the ability to carry an 8x20 foot (2.4 m x 6.1 m) flatrack with a 16.5-ton (14969 kg) payload. It can accommodate both fully- and partially-loaded flatracks and can be loaded directly from the PLS truck using the Load Handling System (LHS) – increasing mission efficiency while decreasing personnel fatigue. It also increases safety and lowers risk because guides laterally position the flatrack on the trailer while rear stops and locks secure the load to prevent it from sliding backward.

Built to last with rugged, durable components, the PLST offers the consistent reliability, extreme durability and high performance of the PLS vehicles it supports – on each and every mission.

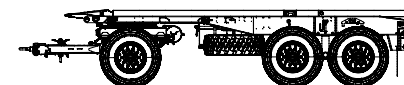
PLS | M1076 TRAILER | PALLETIZED LOAD SYSTEM

- Designed specifically for interoperability with PLS vehicles (M1074A1 and M1075A1)
- Can accommodate both fully- and partially-loaded flatracks
- Equipped with a two position adjustable drawbar and inter-vehicular connecting cables that attach trailer to towing vehicle
- Can be loaded directly from the PLS vehicle using the Load Handling System (LHS)
- Self-adjusting slack adjusters as well as parking and emergency brakes on all axles

Axles: 3 Arvin Meritor TN-4670Q
Curb Weight: 16,500 lbs. (7484 kg) with flatrack
Loaded Weight: 49,500 lbs. (22453 kg)
Capacity: Maximum 33,000 lbs. (14969 kg) plus flatrack
Construction: 2-position drawbar with air-lift assist

- air-operated flatrack lock/release
- 12V and 24V lighting system
- turntable steer • stowage box

Tires: Michelin 15.5/80 R20 Pilote XL or Michelin 395 85R20 XML • 6 + 1 spare
Suspension: Front – multiple leaf spring
Rear – Hutchens H-900 single point
Brakes: 17 x 7 in. (419 mm x 178 mm) rotary S-cam • air-operated drum • self-adjusting slack adjusters on all axles • parking and emergency brakes on all axles



Oshkosh Corporation
2307 Oregon Street, P.O. Box 2566 • Oshkosh, WI, USA 54903-2566
ph 1.920.235.9150 • fax 1.920.233.9506
Washington, DC Office
1300 North 17th Street, Suite 1040 • Arlington, VA, USA 22209
ph 1.703.525.8400 • fax 1.703.525.8408

©2010 OSHKOSH CORPORATION Oshkosh and the Oshkosh logo are registered trademarks of Oshkosh Corporation, Oshkosh, WI, USA. All other trademarks are property of their respective owners.

oshkoshdefense.com