

# LVSR

## LOGISTICS VEHICLE SYSTEM REPLACEMENT



**OSHKOSH**

# IMPROVE COMBAT CAPABILITY BY IMPROVING LOGISTICS DELIVERY.

The U.S. Marine Corps' Logistics Vehicle System Replacement (LVSR) is the next generation of heavy-payload tactical wheeled vehicles and one of the world's most technologically-advanced logistics platforms. With three variants—**cargo**, **wrecker** and **fifth-wheel**—the LVSR expands on the combat-tested Logistics Vehicle System (LVS), a mainstay of the Marine Corps' fleet since 1985, by incorporating new technology and features that increase the vehicle's capabilities and reduce life-cycle costs. With a 22 ½ ton on-road payload and a 13 ½ ton off-road payload, this truck redefines performance possibilities for military trucks.

- Improved survivability – Factory-installed armor integrated into the vehicle's design enhances crew safety, and the LVSR can accept additional add-on armor.
- Improved mobility – Oshkosh's TAK-4® independent suspension system and its proprietary mechanical rear-steer technology improve mobility and off-road capability.
- In-cab vehicle diagnostics – Oshkosh's Command Zone™ advanced electronics system lets the driver monitor engine, transmission, brakes, central tire inflation and other critical components.
- Increased performance – A 600 hp engine and advanced suspension allow for speeds of 65 mph (105 kph) on paved surfaces with a 45,000 lbs. (20412 kg) payload.
- Simplified maintenance – A single-source lubrication system houses engine oil, transfer case, hydraulics, and transmission in the same reservoir.

The LVSR and Medium Tactical Vehicle Replacement (MTVR) share a comprehensive logistics network, parts commonality and similar maintenance, which streamlines vehicle service and support while reducing downtime.

Built to answer the call on the most challenging military missions, the LVSR includes a 600-horsepower diesel engine, 7-speed automatic transmission and a single-speed Oshkosh® transfer case. The LVSR is capable of fording 60 inches (1524 mm) of water, traveling at up to 65 mph (105 kph) and has an on-road cruising range of 300 miles (483 km).

The LVSR complements the capabilities of the MTVR vehicle fleet, creating a logistical tandem that ensures the continued maneuverability of Marine Corps' combat forces.

The LVSR performs multiple missions, including loading flat racks, ISO containers, bridges and boats as well as fuel containers. The vehicle will also load and unload flat racks from trailers designed to be towed by the vehicle. Each flat rack adds an additional 33,000 lbs. (14969 kg) of payload. In addition, all adapters and lift hardware are carried on the vehicle.

The pace of the modern battle demands sophisticated logistics support for the maneuver forces. The multiple capabilities and unmatched mobility of the LVSR move supplies anywhere you need them – making this truck critical to mission success.



Specifications, descriptions and illustrations in this literature are as accurate as known at the time of publication but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.

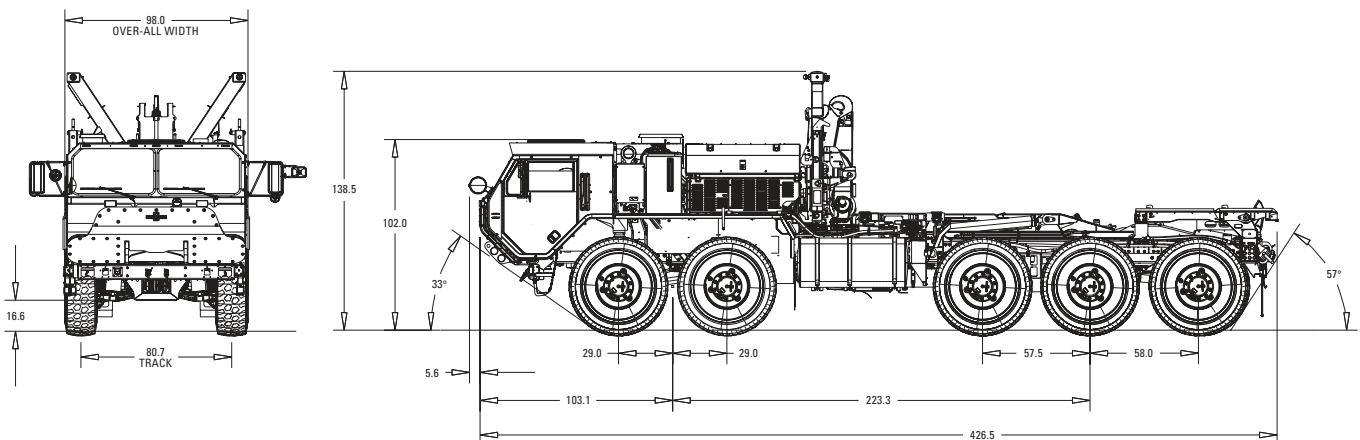




## LVSR MKR18 CARGO

**Cab Seating:** 2-person  
**Axle Configuration:** 10 x 10 (five axles) All-Wheel Drive  
**Curb Weight:** 53,700 lbs. (24358 kg)  
**Gross Vehicle Weight Rating (GVWR):** 106,000 lbs. (48081 kg)  
**Length:** 426.5 in. (10833 mm)  
**Width:** 98 in. (2489 mm)  
**Height:** 102 in. (2591 mm)  
**Deck Height:** 64 in. (1626 mm) with ISO container  
           65 in. (1651 mm) with flat rack  
**Track:** 80.7 in. (2050 mm)  
**Wheelbase:** 223.3 in. (5672 mm)  
**Maximum Speed:** 65 mph (105 kph)  
**Tires:** 16.00 R20 XZL

**Number of Tires:** 10  
**Central Tire Inflation System (CTIS)**  
**Fuel Capacity:** 166 gal. (628.4 liter)  
**Cruising Range:** 300 mi. (483 km)  
**Fording:** 60 in. (1524 mm) without kits  
**Air Transportability:** C5A, C17 aircraft  
**Engine:** CAT C15 600 HP  
**Transmission:** Allison® 7-speed automatic  
**Transfer Case:** Oshkosh® single-speed  
**Suspension:** Oshkosh® TAK-4® independent all wheels  
**Steering:** 4 axle steering: 1, 2, 4 and 5  
**Load Handling System:** Multilift MK 18 A1

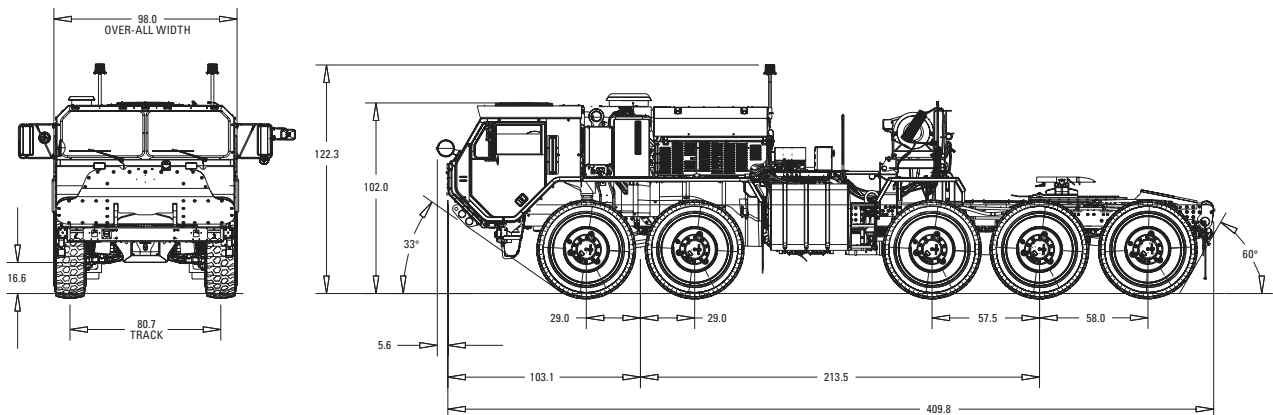




## LVSR MKR16 FIFTH WHEEL (TRACTOR)

**Cab Seating:** 2-person  
**Axle Configuration:** 10 x 10 (five axles) All-Wheel Drive  
**Curb Weight:** 50,000 lbs. (22680 kg)  
**Gross Vehicle Weight Rating (GVWR):** 107,000 lbs. (48534 kg)  
**Gross Combined Weight Rating (GCWR):** 175,000 lbs. (79379 kg)  
**Length:** 409.8 in. (10409 mm)  
**Height:** 102 in. (2591 mm)  
**Track:** 80.7 in (2050 mm)  
**Wheelbase:** 213.5 in. (5423 mm)  
**Maximum Speed:** 65 mph (105 kph)  
**Tires:** 16.00 R20 XZL  
**Number of Tires:** 10  
**Central Tire Inflation System (CTIS)**

**Fuel Capacity:** 166 gal. (628.4 liter)  
**Cruising Range:** 300 mi. (483 km)  
**Fording:** 60 in. (1524 mm) without kits  
**Air Transportability:** C5A, C17 aircraft  
**Engine:** CAT C15 600 HP  
**Transmission:** Allison® 7-speed automatic  
**Transfer Case:** Oshkosh® single-speed  
**Suspension:** Oshkosh® Tak-4® independent all wheels  
**Steering:** 4 axle steering: 1, 2, 4, and 5  
**Fifth Wheel:** Holland Kompensator®  
 3.5 in. (89 mm) Kingpin  
**Recovery Winch:** DP Winch  
 60,000 lbs (27216 kg) capacity

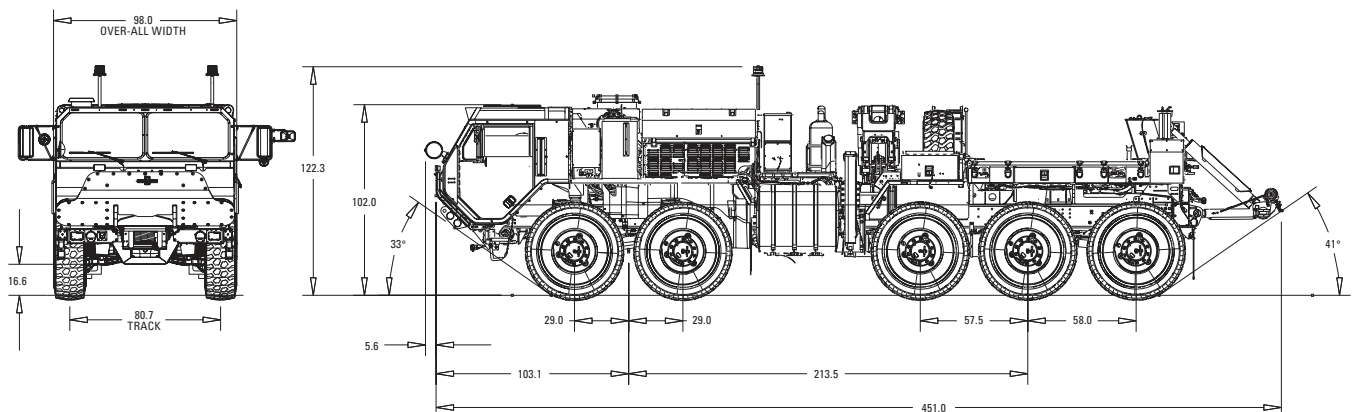




## LVSR MKR15 WRECKER

**Cab Seating:** 2-person  
**Axle Configuration:** 10 x 10 (five axles) All-Wheel Drive  
**Curb Weight:** 67,800 lbs. (30754 kg)  
**Gross Vehicle Weight Rating (GVWR):** 106,000 lbs. (48081 kg)  
**Length:** 451 in. (11455 mm)  
**Width:** 98 in. (2489 mm)  
**Height:** 102 in. (2591 mm)  
     To top of beacons: 122.3 in. (3106 mm)  
**Reducible Height:** 102 in. (2591 mm)  
**Track:** 80.7 in. (2050 mm)  
**Wheelbase:** 213.5 in. (5423 mm)  
**Maximum Speed:** 65 mph (105 kph)  
**Tires:** 16.00 R20 XZL  
**Number of Tires:** 11 (including spare)  
**Central Tire Inflation System (CTIS)**  
**Fuel Capacity:** 166 gal. (628.4 liter)  
**Cruising Range:** 300 mi. (483 km)  
**Fording:** 60 in. (1524 mm) without kits  
**Air Transportability:** C5A, C17 aircraft

**Engine:** CAT C15 600 HP  
**Transmission:** Allison® 7-speed automatic  
**Transfer Case:** Oshkosh® single-speed  
**Suspension:** Oshkosh® TAK-4® independent all wheels  
**Steering:** 4 axle steering: 1, 2, 4 and 5  
**Flat Tow:** 110,000 lbs. (49895 kg) highway  
**Lift & Tow:** 97,000 lbs. (43998 kg) GVW with 24,000 lbs. (10886 kg) lift capacity  
**Crane:** Iowa Molding Tool Co Inc.  
**Articulated Crane Lift Capacity:** 18,000 lbs. (8165 kg) at 11 ft. (3.35m) – 10,000 lbs. (4536 kg) at max. reach of 20 ft. (6.1 m)  
**Winch, Main:** Two 39,000 lb. (17690 kg) dual drum style constant pull design with 320 ft. (98 m) of .75 in. (19 mm) cable  
**Winch, Self-Recovery:** 20,000 lbs. (9072 kg) front mounted 200 ft. (61 m) of 5/8 in. (16 mm) cable  
**Hydraulic Spade:** 78,000 lbs. (35380 kg) pull in 60 RCI soil  
**Cargo Deck:** 8 ft. (2.44 m) with Sixcon ISO lock provisions and tie-down provisions for bulk cargo up to 10,000 lbs. (4536 kg)







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