

MULTI-MISSION RECOVERY SYSTEM

# MMRS DEMONSTRATOR



## **Unprecedented Performance for Extreme Recovery Missions. Oshkosh Defense® Multi-Mission Recovery System (MMRS).**

Innovation comes full circle with the all-new Oshkosh Defense® Multi-Mission Recovery System (MMRS). Based on the combat-proven LVSF platform, the MMRS stands as the only retrieval vehicle of its kind.

Exceptional performance capabilities – such as the ability to retrieve and tow MRAPs, as well as the largest tactical wheeled vehicles – define the MMRS. All-wheel drive and the Oshkosh TAK-4® independent suspension system provide superior traction and mobility as overturned and severely damaged vehicles are returned to base.

The MMRS utilizes a 3-section boom that extends to 41-feet (12.5 m) with operating angles ranging from 3 to 60 degrees. The boom can lift up to 77,499 pounds (35153 kg) at a 19.7-foot (6 m) radius from the vehicle, moving casualty vehicles with ease.

Integrating the levels of survivability required on the modern battlefield, the MMRS shields operators with enhanced undercab protection while allowing vehicles to be lifted and positioned from within the safety of the cab.

With breakthroughs in maneuverability, survivability and overall performance, the MMRS optimizes vehicle retrieval and personnel protection for today's demanding recovery missions.

## MMRS DEMONSTRATOR | MULTI-MISSION RECOVERY SYSTEM

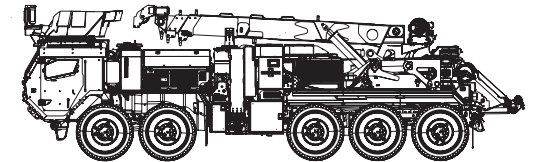
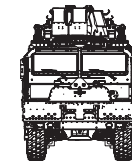
- Integrated undercab armor
- TAK-4® fully independent suspension system for superior off-road mobility
- All-wheel drive (10x10)
- Four-axle steering with a 77-foot (23.5 m) curb-to-curb turning radius
- Proven Oshkosh® lift and tow system

- Jerr-Dan® 50-ton (45359 kg) rotating boom extends to 41 feet (12.5 m)
- Dual mission equipment controls for remote operation both within the protected cab or externally
- Dual 40,000-pound (18144 kg) constant-pull drag winches, dual 50,000-pound (22680 kg) boom winches
- Five spades including one large rear spade for stable winching operations



**Cab Seating:** 2 person  
**Axle Configuration:** 10x10 (5 axles)  
all-wheel drive  
**Gross Vehicle Weight Rating (GVWR):**  
105,000 lbs. (47627 kg)  
**Gross Combination Weight Rating (GCWR):**  
210,000 lbs. (95254 kg)  
**Length:** 460 in. (11679 mm)  
**Width:** 99.1 in. (2517 mm)  
**Height:** 141 in. (3581 mm)  
**Track:** 80.7 in. (2050 mm)  
**Maximum Speed:** 55 mph (89 km/h)  
**Tires:** 16.00 R20 XZL  
Number of tires: 10 + 1 spare  
Central Tire Inflation System (CTIS)  
**Fuel Capacity:** 200 gal. (757 L)  
**Cruising Range:** 400 mi. (644 km)  
**Fording:** 60 in. (1524 mm) without kits  
**Air Transportability:** C-5A, C-17 aircraft  
**Engine:** Caterpillar® C15, 600 hp  
**Transmission:** Allison® 7 speed automatic  
**Transfer Case:** Oshkosh® single speed

**Steering:** 4-axle steering (1, 2, 4 and 5)  
**Turning Circle:** 77 ft. (23.5 m) curb-to-curb  
**Suspension:** Oshkosh® TAK-4® independent suspension,  
all wheels  
**Flat Tow:** 105,000 lbs. (47627 kg) highway  
**Boom:** Jerr-Dan® 50-ton (45359 kg) rotator  
**Boom Lift Capacity:**  
77,499 lbs. (35153 kg) at 19.7 ft. (6 m)  
65,200 lbs. (29574 kg) at 23 ft. (7 m)  
56,198 lbs. (25491 kg) at 25.9 ft. (7.9 m)  
49,198 lbs. (22316 kg) at 28.9 ft. (8.8 m)  
42,499 lbs. (19277 kg) at 31.8 ft. (9.7 m)  
38,398 lbs. (17417 kg) at 34.8 ft. (10.6 m)  
34,998 lbs. (15875 kg) at 37.7 ft. (11.5 m)  
29,698 lbs. (13471 kg) at 41 ft. (12.5 m)  
**Winch, Main:** 2 at 40,000 lbs. (18144 kg),  
constant pull  
**Winch, Boom:** 2 at 50,000 lbs. (22680 kg)  
**Hydraulic Spade (Rear):** 78,000 lb. (35380 kg)  
pull in 60 RCI soil  
**Outrigger Spread (Front):** 224 in. (5.7 m)  
**Outrigger Spread (Rear):** 231 in. (5.9 m)



Oshkosh Defense, LLC  
2307 Oregon Street, P.O. Box 2566  
Oshkosh, WI, USA 54903-2566  
ph 1.920.235.9150 • fax 1.920.233.9506

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