

M88A3 Hercules

BAE SYSTEMS

Heavy Recovery Vehicle

The M88A3 HERCULES is the next iteration to the M88 HERCULES Family of Vehicles. It enhances the performance, survivability and responsiveness of the combat-proven M88A2 and it restores single-vehicle recovery on tanks weighing up to 80 tons. The M88A3 performs hoisting, winching, and towing operations for today's heaviest combat systems, like the M1 main battle tank.

Performance

An upgraded liquid cooled powerpack provides improvements to mobility, reliability, diagnostic/prognostic capability and vehicle weight. The addition of a seventh road wheel also increases stability during recovery operations and improves ground pressure distribution.

Survivability

The M88A3 HERCULES features improved armor protection.

Responsiveness

Seven station hydro-pneumatic suspension units (HSUs) and hull modifications offers improvements to enable single-vehicle recovery; ground pressure distribution, integration weight and lockout capability. This locking capability enables greater stability and response during hoisting operations.

Specifications

| | |
|--------------------------|--|
| Vehicle weight | 78 Tons |
| Personnel capacity | Driver, Mechanic, Commander + Recovered MBT Crew |
| Gross horsepower | 1350 HP (C32 Acert) |
| Estimated Speed | 35 mph |
| Estimated cruising range | 250 miles/405 km |
| Slide Slope | 60% |
| Trench crossing | 103 inches/2.6 m |
| Vertical wall crossing | 42 inches/1.0 m |
| Overall length | 338 inches/8.5 m |
| Width | 145 inches/3.6 m |
| Height | 124 inches/3.1 m |
| Ground clearance | 16+ Inches |
| Hoisting Capacity | 80,000 lbs |
| Pick & Carry Capacity | 64,000 lbs |
| Recovery Capacity | 160,000 lbs (80 Ton) |



BAE Systems, Inc.
Platforms & Services
baesystems.com

For more information contact
platforms.services@baesystems.com

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