The M1A1 Abrams’ increased operational tempo demands expansion of this proven stalwart’s capabilities. A continued commitment to heavy armor means managing and updating the M1A1 fleet for the Warfighter. The M1A1, battle-tested and battle-victorious, continues to meet the new and emerging threats associated with the next generation of warfare.
ABOUT THE VEHICLE

The Abrams has a legacy of unparalleled performance. Moving forward, that legacy will be preserved by reducing operational and support costs, extending service life to 2030 and bolstering the M1A1’s capabilities in urban operations. Resetting returning vehicles is also key to the fleet’s health, readiness and effectiveness.

FEATURES & SPECIFICATIONS

WEIGHT & DIMENSIONS

- **Weight**: 67.6 tons
- **Length** (Gun Forward): 387 in
- **Turret Height**: 96 in
- **Width**: 144 in
- **Ground Clearance**: 19 in
- **Ground Pressure**: 13.8 psi
- **Crew**: 4 Man

POWER

- **Gas Turbine Engine**: 1500 hp
- **Power to Weight Ratio**: 23.8 hp/ton
- **Hydro-Kinetic Trans.**: 4-Speed Forward, 2-Speed Reverse

PERFORMANCE

- **Maximum Speed**: 41.5 mph (Governed)
- **Cross Country Speed**: 30 mph
- **10% Slope**: 20 mph
- **60% Slope**: 4.5 mph
- **Acceleration**: 7 sec (0 to 32 mph)
- **Cruising Range**: 273-298 mi (25 mph level)
- **Vertical Obstacle**: 49 in
- **Trench Crossing**: 9 ft
- **NBC System**: 200 SCFM-Clean Cooled Air

WEAPONS

- **Main Armament**: 120mm XM256 Smooth Bore Cannon
- **Coaxial Weapon**: 7.62 M240 Machine gun
- **Loader’s Weapon**: 7.62 M240 Machine gun on Skate Mount
- **Commander’s Weapon**: .50 Cal M2 Machine gun on Powered Rotary Platform

SIGNIFICANT BENEFITS

- Improved Survivability
- Improved Armor
- Compartmented Fuel & Ammunition
- Increased Lethality
- High Agility
- Low Silhouette
- Automatic Fire Detection/Suppression
- Digital Ballistic Computer
- Laser Rangefinder
- Thermal Imaging Night Sight
- Optical Day Sight
- Digital Electronic Control Unit (DECU)
- Battlefield Override (BFOR)
- Primary and Auxiliary Sights
- Day/Night Fire on the Move Capability
- Increased External Stowage
- Advanced Suspension - Torsion Bars
- Rotary Shock Absorbers
- Gas Turbine Engine - Multi-Fuel/High Power-to-Weight Ratio
- Automatic Shift/Steering Transmission
- Onboard Malfunction Detection System
- Ease of Maintenance
- Nuclear Biological Chemical (NBC) System
- Fording Depth to Turret Roof with Kit
- Pulse Jet System (PJS)
- External Auxiliary Power Unit (EAPU)