

GENERAL DYNAMICS
Land Systems

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.

ABRAMS M1A1





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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)