

MOBILE GUN SYSTEM



MGS STRYKER

VANGUARD FOR ARMY TRANSFORMATION

VANGUARD



A General Motors General Dynamics Land Systems Joint Venture

STRYKER

MOBILE GUN SYSTEM



MISSION ROLE REQUIREMENTS

- Exceptional tactical mobility for full spectrum operations
- Air transportable in combat ready configuration
- High baseline vehicle commonality with other variants
- 14.5 mm integral armor protection (optional RPG-7 armor protection)
- Battlefield survivability and firepower to carry out combat missions
- Supportability and affordability

SIZE/WEIGHT (INCLUDING BASE ARMOR)

Length	275 inches
Width	107 inches
Height	106 inches
Combat Weight GVW	41,300 lbs.

PERFORMANCE @ GVW

Maximum speed	60 mph
Maximum range (40mph)	330 miles
Slope performance:	Frontal: 60%
	Side: 30%
Vertical climb	23 inches
Gap	78 inches

POWER TRAIN & SUSPENSION

Engine	350 hp
Transmission	6 speeds forward 1 Reverse
Transfer case	2 speed
Differentials	4 automotive
Suspension	8 wheel hydropneumatic independent with Height Control
Driven wheels	4wd full time 8wd selectable
Tires	Central Tire Inflation System with runflats
Brakes	Power brakes with ABS on rear three axles

AIR TRANSPORTABILITY

C-130
C-5A
C-17

FIRE SUPPRESSION

1 shot FM200 for troop compartment
2 shot FE25 for engine compartment
Automatically activated

PERSONNEL

3 total
1 driver
1 vehicle commander
1 gunner

ARMAMENT

Primary

- 105mm Low Profile Turret
- M68A1E1 105mm cannon with muzzle brake
- Fires all NATO ammunition
- 18 ready rounds
- Auto loader achieves 6 second cycle rate
- All ammunition protected by spall liners

Secondary

- (2) 7.62mm machine guns
(1) coaxial mounted
(1) commander's weapon
- (4400) rounds

Ancillary

- (2) M6 Smoke grenade launchers

CLIMATE CONTROL SYSTEM

- (2) roof vent fans
- (1) crew/engine heater
 - (1) driver heat exchanger
 - (2) crew heat exchangers

ATGM WIRE CUTTER

1 driver
1 turret crew

VISION

Driver (3) M-17 periscopes
(1) DVE

Vehicle Commander
(6) commander's periscopes
Day & thermal imager
360° viewing
Wide and narrow field of view

Gunner

(3) gunner's periscopes
Compact modular sight
Day & thermal imager
2-axis stabilization
Wide and narrow field of view

Auxiliary

(1) Direct optic feed to both
commander and gunner

LAND NAVIGATION EQUIPMENT

GPS PLGR

COMMUNICATION (C4ISR)

SINCGARS radios
EPLRS
Squad leaders video display terminal
FBCB2 Computer (Commander)

