INFANTRY CARRIER VEHICLE

ICV

STRYKER

VANGUARD FOR ARMY TRANSFORMATION

GM GDLS Defense Group

A General Motors, General Dynamics Land Systems Joint Venture
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 to carry out combat missions
- Supportability and affordability

SIZE/WEIGHT (INCLUDING BASE ARMOR)

- Length: 275 inches
- Width: 107 inches
- Height: 104 inches
- Combat Weight GVW: 38,000 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 Management System
- 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 FM 200 for troop compartment
2 shot FE25 for engine compartment
Automatically activated

PERSONNEL

- 11 total
- 1 driver
- 1 vehicle commander
- 9 troops

ARMAMENT

Remote weapon station (RWS) with a universal soft mount cradle capable of mounting:
- M K19 40mm grenade launcher
- M 2 .50 cal machine gun
- M K240 7.62mm machine gun (with adapter)

Ancillary:
- (4) M 6 Smoke grenade launchers

Stowed Ammunition
- (32) 66mm smoke grenades
- (3200) 7.62mm rounds
- (2000) .50 cal rounds OR
- (430) M K19 rounds
- For Troops:
  - (2240) 5.56mm ball
  - (1120) 5.56mm linked

CLIMATE CONTROL SYSTEM

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

VISION

Driver:
- (3) M-17 periscopes
- (1) Driver’s Vision Enhancer

Vehicle Commander:
- (7) M 45 periscopes

RWS mounted vision devices
- Thermal imager
- Video camera

EQUIPMENT

- Hydraulic self recovery winch
- NBC detectors and ventilated face mask system

LAND NAVIGATION EQUIPMENT

- GPS PLGR

COMMUNICATION (C4ISR)

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