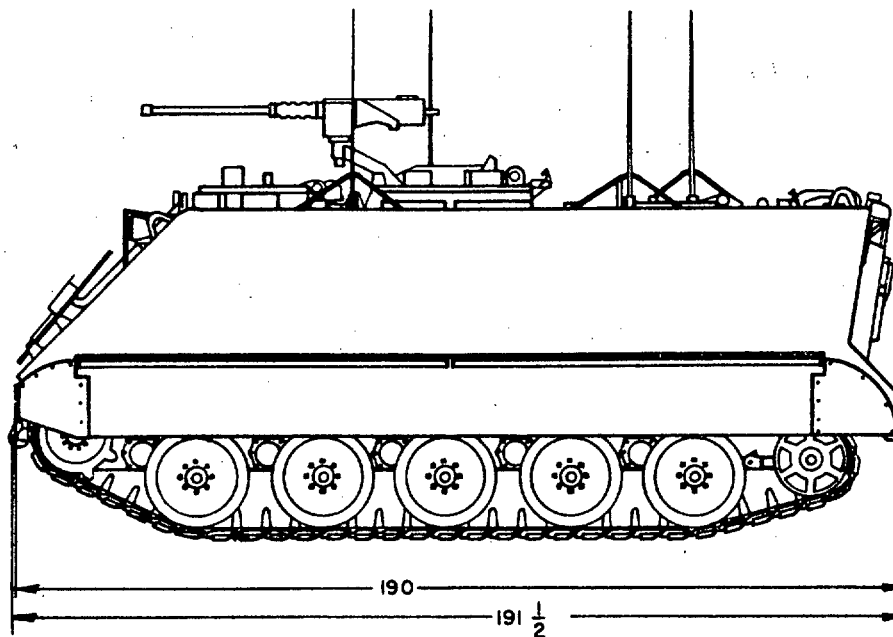
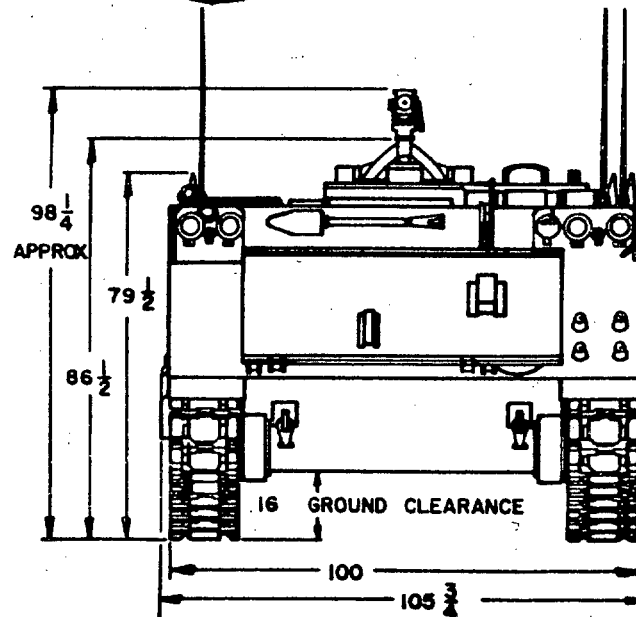
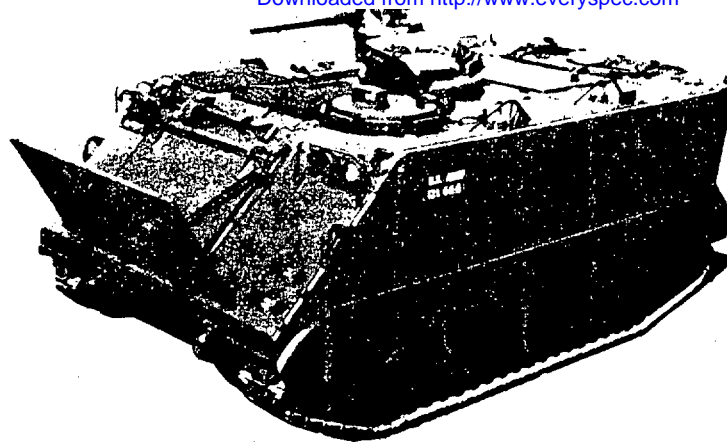


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DIMENSIONS ARE IN INCHES AND ARE SHOWN
FOR ENGINEERING REFERENCE ONLY.

(B) DENOTES CHANGES

MS PART NO.	REFERENCE DRAWING
MS 500033-1	8750305

P.A. ARMY-AT Other Cust	International Interest	TITLE
		CARRIER, PERSONNEL, FULL-TRACKED: ARMORED, M113
PROCUREMENT SPECIFICATION MIL-C-45355	SUPERSEDES:	

MILITARY STANDARD
MS 500033(AT)
SHEET 1 OF 2

APPROVED 24 JAN 66 REVISED (A) 15 JAN 74 (B) 3 MAR 81 (C) 16 FEBRUARY 88

VEHICLE CHARACTERISTICS

WEIGHT: COMBAT LOADED, 23520 LBS.
CREW: 13
WEIGHT: LESS CREW, STOWAGE, AND
FUEL: 18600 LBS.

CENTER OF GRAVITY:
39 IN. ABOVE GROUND
79 IN. FROM CENTER LINE OF SPROCKET
UNIT GROUND PRESSURE: 7.4 LBS./SQ. IN.

(ALL WEIGHTS ARE APPROXIMATE AND ARE
FOR ENGINEERING REFERENCE ONLY.)

VISION AND SIGHTING EQUIPMENT:
PERISCOPE, VISION, M 17,
PART NO. 7043549
DRIVER 4, COMMANDER 5
PERISCOPE, INFRARED VISION, M 19
PART NO. 7652971, DRIVER 1
SPARE HEAD, PART NO. 7688707, 1

ARMAMENT: 1 MACHINE GUN,
CALIBER 50, TYPE, M2 HB,
PART NO. 7265636
1 MOUNT, GUN, PART NO. 7046650

AMMUNITION: 2000 ROUNDS, CALIBER 50

RUNNING GEAR: SUSPENSION, TYPE
IND. TORSION BAR, TEN DUAL WHEELS,
5 EACH SIDE, WHEEL SIZE, 24 IN.
TRACK TYPE, STEEL, SINGLE PIN,
W/DETACHABLE PADS.
NO. OF SHOES/TRACK, 63 L - 64 R,
PITCH 6 IN., WIDTH 15 IN.
TEN TIRES, DUAL TYPE SOLID RUBBER,
SIZE, 24 x 2-1/8

ELECTRICAL SYSTEM:
INST'N. DWG. NO. 1087531
NOMINAL, 24 VOLTS
GENERATOR, MAIN: 100 AMPERES,
PART NO. 10947517
BATTERY, 2, TYPE: 6 TN, 12 VOLTS,
MS 35000.
IGNITION SYSTEM: BATTERY TYPE

POWER PACKAGE:

ENGINE:
MODEL: 75M, CHRYSLER
TYPE: OVERHEAD VALVE, 90° V-8
DISPLACEMENT: 361 CU. IN.
BORE: 4.125 IN., STROKE: 3.375 IN.
GOVERNED SPEED: 4000 RPM., FULL LOAD
COMPRESSION RATIO: 7.8:1
FUEL: GASOLINE, CAPACITY, 85 GAL.
MIN. GROSS HORSEPOWER: 194 AT 4000 RPM.
MIN. GROSS TORQUE: 302 LB. FT. AT 2800 RPM.
COOLING SYSTEM, LIQUID, 9-1/2 GALLONS
OIL CAP. 10 QTS. W/FILTER AND LINES.
OIL COOLING SYSTEM: OIL/WATER.

POWER TRAIN: INST'N. DWG. NO. 8756905

COMMUNICATIONS:
RADIO SET, SEE OVE. LIST NO. 8750305

FIRE EXTINGUISHERS, CARBON DIOXIDE:
FIXED, 5 LB; INST'N. DWG NO. 8767183
PORTABLE, 5 LB. PART NO. 7359703 OR 7714780

PERFORMANCE:
GROSS HORSEPOWER TO WEIGHT RATIO:
16.9 HP/TON
MAX. TRACTIVE EFFORT: 18000 LBS.
TE/W 78.5
MAX. SPEED: 40 MPH, MAX GRADE 60%
MAX. TRENCH: 66 IN.
MAX. VERTICAL WALL: 24 IN.
CRUISING RANGE: 200 MILES
FORGING DEPTH: UNLIMITED

GENERAL:
THE M 113 FULL TRACKED ARMORED PERSONNEL
CARRIER IS A LIGHTWEIGHT, LOW SILHOUETTE
VEHICLE DESIGNED TO TRANSPORT PERSONNEL
OR CARGO. THE VEHICLE IS CAPABLE OF
AMPHIBIOUS OPERATIONS ON SMALL LAKES
AND STREAMS, OF EXTENDED CROSS-COUNTRY
TRAVEL OVER ROUGH TERRAIN, AND OF
HIGH-SPEED OPERATIONS ON IMPROVED ROADS
AND HIGHWAYS. THE VEHICLE IS ALSO CAPABLE
OF BEING TRANSPORTED BY CARGO AIRCRAFT
AND PARACHUTE DROPPED TO USING FORCES.
THE VEHICLE ACCOMMODATES A DRIVER, TROOP
COMMANDER, AND 11 PERSONNEL.

(FOR DESIGN FEATURE PURPOSES, THIS
STANDARD TAKES PRECEDENCE OVER
PROCUREMENT DOCUMENTS REFERENCED
HEREIN.)

(REFERENCED DOCUMENTS SHALL BE OF
THE ISSUE IN EFFECT ON DATE OF
INVITATIONS FOR BID.)

THIS VEHICLE SHALL BE IN ACCORDANCE
WITH REFERENCED DRAWINGS, COPIES OF
WHICH MAY BE OBTAINED FROM:

US ARMY TANK-AUTOMOTIVE COMMAND
ATTN: DRSTA-GSS
WARREN, MICHIGAN 48090

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P.A. Other Cust	International Interest	TITLE CARRIER, PERSONNEL, FULL-TRACKED: ARMORED, M113	MILITARY STANDARD MS 500033(AT)
PROCUREMENT SPECIFICATION		SUPERSEDES	SHEET 2 OF 2