

VEHICLE CHARACTERISTICS

FED. SUP CLASS
2320

CHASSIS: M40A2
WITH WINCH 8736512
WITHOUT WINCH 8736511

CURB WEIGHT: FULLY EQUIPPED LESS PAYLOAD
AND CREW

	WO/WINCH	W/WINCH
FRONT AXLE	7720	8700
REAR AXLE (BOGIE)	11820	11700
TOTAL	19540 LBS	20400 LBS

WEIGHT DISTRIBUTION: LOADED PLUS CREW

	CROSS COUNTRY	HIGHWAY
PAYLOAD	10400	20400
FRONT AXLE	8450	8950
BOGIE AXLE	21490	30990
TOTAL	29940	39940

TOWED LOAD ALLOWANCE:
LIMITED CROSS COUNTRY 15000 LBS
HIGHWAY 30000 LBS

FORDING DEPTH: w/KIT 78 IN., wo/KIT 30 IN.

CARGO BODY: INSTL 8758001
CARGO BODY ASSY 7410065

CAB ASSY: 10883174-1
CAB SUPPORT INSTL 10883240-1

GENERAL:
THIS VEHICLE IS USED TO TRANSPORT GENERAL CARGO OR PERSONNEL. THE CAB IS CANVAS COVERED, OPEN TYPE. THE BODY IS 14 FT. (168 X 88 IN. INSIDE) FLAT BED TYPE; STEEL CONSTRUCTION. SIDES AND TARPULIN FRAMES ARE REMOVABLE, 14 INCH SIDES, 19-1/4 INCH TAILGATE, 61 INCH FLOOR TO UNDERSIDE OF BOWS. COMPLETE WITH SIDE RACKS, TARPS AND TROOP SEATS.

BODY CARGO SPACE: 550 CU. FT.
BODY INCLUDES SIX TOP BOWS WITH TARPULINS AND END FLAPS. STEP ON TAILGATE FOR EASE OF ENTRANCE. FOUR AMBER REFLECTORS, TWO ON FRONT, ONE EACH SIDE FORWARD. FOUR RED REFLECTORS, TWO ON REAR, ONE EACH SIDE REARWARD.

POWER PLANT: L18A65-1A INSTL 10938275-1
ENGINE; MULTIFUEL, 478 CU. IN. 10951400
SIX CYLINDER, 4.56 BORE X 4.87 STROKE
BRAKE HP 198 @ GOVERNED SPEED 2800 RPM
FUEL TANK; 78 GAL CAP. INSTL 10938398
EXHAUST SYSTEM, VERTICAL INSTL 11593176
AIR CLEANER INSTL 10938336

TRANSMISSION: 8333627
FORWARD SPEEDS, FIVE
RATIOS; 7.31, 4.08, 2.41, 1.43, 1.00
REVERSE, ONE 7.33:1

TRANSFER: INSTL 10899367
TRANSFER 7748580
RATIOS; HIGH 1:1 LOW 2.024:1

FRONT SUSPENSION: INSTL 10871261
FRONT AXLE 7346805
SHOCK ABSORBERS, TWO 7409617
FRONT SPRINGS, TWO 7409345

FRAME ASSY: CHASSIS 10938415

FRONT BUMPER: w/w INSTL 10883120
wo/w INSTL 10883138

REAR BUMPER: INSTL 10883121

TIE DOWNS: 16 WITH WINCH 10883223
14 WITHOUT WINCH

REAR SUSPENSION: INSTL 10883209
REAR AXLE ASSY., TWO 8327007
REAR SPRINGS, TWO 7409613
TORQUE ROD ASSY., SIX 8728126

WHEELS: 20 x 7.5, OFFSET 6-11/16 MS 53044-6
RING, WHEEL MS 53045-3

TIRES: 11.00 x 20, 12 PLY, TEN MS 35388-21
TUBES, TEN MS 35392-15
TREAD DESIGN, MDCC
NUMBER OF SPARES, ONE

STEERING: CONTROL INSTL 8758369
STEERING GEAR 8728230

BRAKES: TUBING INSTL 10938410-1
DRUM SIZE, FRONT 16-1/2 x 5-1/2
REAR 16-1/2 x 5-1/2
ACTUATION, AIR/HYDRAULIC

BRAKES: PARKING CONTROL INSTL 10883127
DRUM SIZE, 14 x 3 MOUNTED
ON REAR OF TRANSFER

ELECTRICAL SYSTEM:
WATERPROOF AND RADIO SUPPRESSED
POTENTIAL, 24 VOLT
BATTERIES, TWO; 6TH, 12 VOLT MS 35000-4
STARTING MOTOR 10911018-1
GENERATOR 7355736
REGULATOR MS 51356-1
WIRING DIAGRAM 10938485
WIRING INSTL 10938386-2

REFLECTORS:
RED, FOUR MS 35387-1
AMBER, FOUR MS 35387-2

PERFORMANCE: MAXIMUM SPEED 54 MPH WITHOUT
TOWED LOAD

FUEL	MPG	CRUISING RANGE, MILES
DIESEL	5.3	350
C.I.E.	4.83	319
GASOLINE	4.39	290

WINCH: CAPACITY, 20000 LBS INSTL 10871078
WINCH MS 51353-1

PINTLE: INSTL 10883506
HIGHWAY CAPACITY, 30000 LBS.
PINTLE MS 51117-1

KIT PROVISIONS:
FORDING KIT 5703702
PERSONNEL HEATER KIT 5703530
THERMAL BARRIER KIT 5702823
PERSONNEL HEATER, HOTWATER 5702006
HARDTOP CLOSURE KIT 5701443
ELECTRIC BRAKE KIT 5701909
A FRAME, FOR VEHICLES w/w 8337178
AIR BRAKE KIT 8758174
POWER PLANT HEATER KIT 5703535
TIE DOWN KIT 5702813

(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 DRAWINGS IN REFERENCED ENGINEERING PARTS LIST, COPIES OF WHICH MAY BE OBTAINED FROM: U.S. ARMY TANK-AUTOMOTIVE COMMAND WARREN, MICHIGAN 48090

INACTIVE FOR DESIGN AFTER 14 SEPTEMBER 1989. NO SUPERSEDING STANDARD.

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 27 OCTOBER 1987 REVISED (A) 14 DECEMBER 1982 (B) 14 SEPTEMBER 1989

P.A. ARMY-AT	INTENTIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust NAVY-MC AF-84		TRUCK, CARGO, 5 TON, 6 X 6, 179 INCH WHEELBASE, MILITARY DESIGN, M54A2	MS500086
PROCUREMENT SPECIFICATION MIL-T-740	SUPERSEDES:		SHEET 2