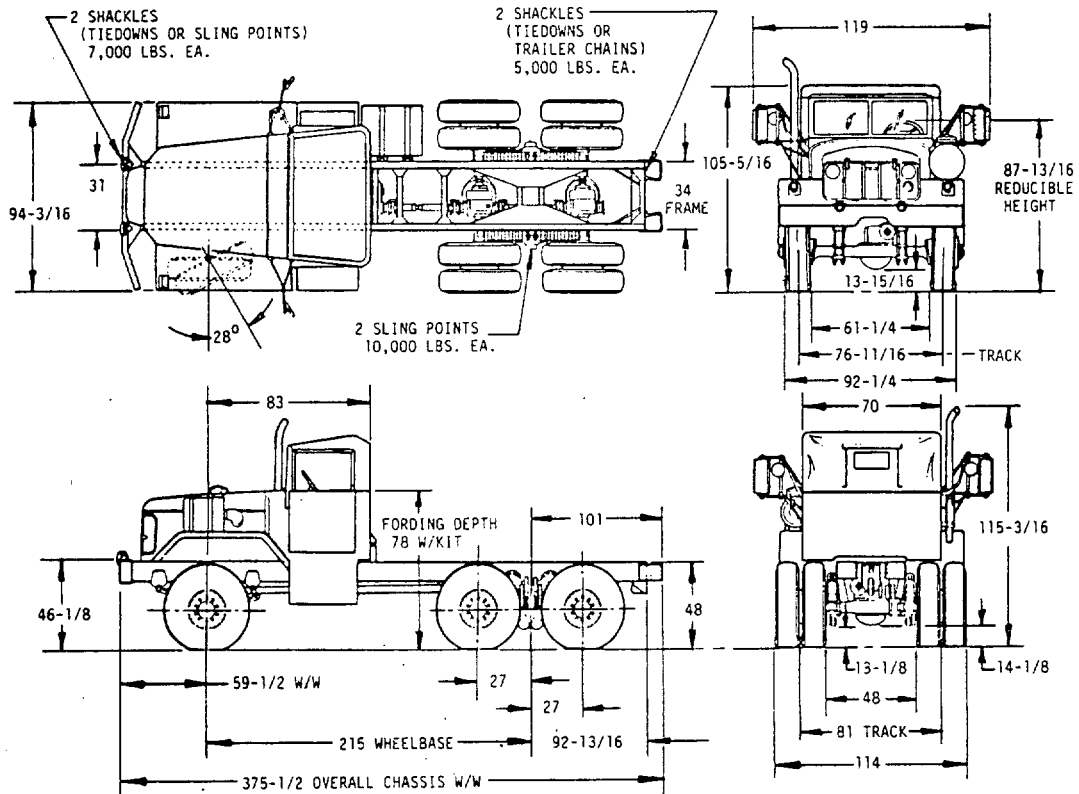


FED. SUP CLASS
2320



- NOTES:
1. DIMENSIONS ARE IN INCHES AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.
 2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
 3. THIS VEHICLE SHALL BE IN ACCORDANCE WITH REFERENCED ENGINEERING DRAWINGS, COPIES WHICH MAY BE OBTAINED FROM: US ARMY-AUTOMOTIVE COMMAND, WARREN, MICH. 48090.

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DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MS PART NO.	ENGINEERING DRAWING	DESCRIPTION
MS52180-I	8736876	WITH WINCH

P. A. ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE CHASSIS, TRUCK: 5 TON, 6x6, M812A1.	MILITARY STANDARD
			MS52180(AT)
PROCUREMENT SPECIFICATION MIL-T-740	SUPERSEDES:		SHEET 1 OF 2

APPROVED 3 MAY 85 REVISED

FED. SUP CLASS
2320

VEHICLE CHARACTERISTICS

CURB WEIGHT: FULLY EQUIPPED LESS PAYLOAD AND CREW W/W
 FRONT 10,355 LBS
 REAR 10,455 LBS
 TOTAL 20,810 LBS

PAYLOAD: (MAX INCLUDING BODY) 16,000 LBS

TOWED LOAD ALLOWANCE: NA

SHIPPING DIMENSIONS:
 CUBIC FEET 2,175
 SQUARE FEET 297

ANGLE OF APPROACH: (LOADED) 34°
ANGLE OF DEPARTURE: (LOADED) 27°
ANGLE OF BREAKOVER: (LOADED) 29°
MINIMUM TURNING RADIUS: (WALL TO WALL) 584-7/16

FORDING DEPTH: WITH KIT 78 LESS KIT 30

ENGINE:
 6 CYL IN-LINE 11664325-1
 COMPRESSION IGNITION FUEL INJECTION
 DISPLACEMENT 855 CU IN
 BORE AND STROKE 5.5 X 6
 COMPRESSION RATIO 15.8:1 FUEL DIESEL
 OCTANE/CETANE 40
 HORSEPOWER; GROSS 240 @ 2100 RPM
 NET 210 @ 2100 RPM
 TORQUE GROSS; 658 LB FT @ 1500 RPM
 NET 600 LB FT @ 1500 RPM
 CRANK CASE CAPACITY; W/O FILTER 24 QTS
 W/FILTER 28 QTS
 GOVERNOR; TYPE AUTOMATIC
 COOLING SYSTEM CAPACITY; 37-1/2 QTS
 PUMP TYPE DRIVE 2 V BELTS
 GOVERNED SPEED; 2100 RPM AT FULL LOAD

**FUEL SYSTEM: FUEL TANK CAPACITY - 78 GALS
 FUEL PUMP, IN TANK; FUEL INJECTION.**

**CLUTCH: TYPE SINGLE DRY DISK DIA 15
 EFFECTIVE AREA 70.2 SQ IN
 PRESSURE PLATE 8735507
 DRIVEN MEMBER 11664387**

**TRANSMISSION: MANUAL 8333627-1
 NO OF SPEEDS - 5 FWD, 1 REV; RATIOS;
 1ST - 6.07; 2ND - 3.40; 3RD - 1.79;
 4TH - 1.00; 5TH - .78; REV. - 6.09
 PTO OPENINGS 2 SAE 6 BOLT, EACH SIDE
 OF TRANSMISSION. LUBRICANT CAPACITY;
 W/PTO 11 QTS; W/PTO 9 QTS.**

**TRANSFER CASE: W/PTO 10938322
 NO. OF SPEEDS 2 FRONT; HIGH - 1.07:1
 LOW - 2.16:1; REAR; HIGH - 1.00:1,
 LOW - 2.02:1 CONTROL OF FRONT AXLE
 DRIVE, AUTOMATIC OVERRUNNING, LUB-
 RICANT CAPACITY 7 QTS ONE PTO OPENING.**

PINTLE: NA

**BRAKES: PARKING TYPE INTERNAL/EXTERNAL
 DRUM SIZE 14 DIA X 3 WIDE
 EFFECTIVE AREA 68 SQ IN**

ACCESSORY/SUPPLEMENTAL KITS: 12300925

**AXLES: FRONT 11664292
 REAR: 8758349
 QTY 2, TYPE SINGLE SPEED DOUBLE REDUC-
 TION RATIO 6.443:1, LUBRICANT CAPACITY
 12 QTS EACH**

**FRAME: 11664504
 TYPE RAIL CHANNEL SIDE RAIL DIMENSIONS
 9 X 3 X 5/16 SECTION MODULUS 10.71 CU IN
 NO. OF CROSSMEMBERS 8; REINFORCEMENT 5/16
 L TYPE COMBINED SECTION MODULUS 24.4 CU IN**

**FRONT SPRINGS: 7411110
 3 WIDE X 50 LONG NO OF LEAVES 12; RATE
 2,271 LB/IN; TYPE SEMI-ELLIPTICAL;
 SHOCK ABSORBERS DIRECT ACTING, QTY 2.**

**REAR SPRINGS: 7411114
 SIZE 4 WIDEX 59-1/4 LONG NO. OF LEAVES
 15, RATE 5,911 LB/IN; TYPE BEAM OVER SEMI-
 ELLIPTICAL LEAF, QTY 2.**

**TIRES W/FLAP AND TUBE: MIL-T-12459
 SIZE 14.00 X 20 LOAD RATING F
 TREAD DESIGN NDCC NO. OF SPARES 1
 TUBE ZZ-1-550**

**WHEELS: TYPE STEEL DISC, 7353762
 SIZE 20 DIA X 10 WIDE RING 7353671
 FRONT SINGLE, REAR DUAL, OFFSET 8-7/8**

**BRAKES: SERVICE, TYPE AIR ASSISTED
 HYDRAULIC, INTERNAL EXPANDING DRUM
 SIZE 16-1/2 X 5-1/2, EFFECTIVE AREA
 FRONT 339 SQ IN REAR 678 SQ IN**

**ELECTRICAL SYSTEM: WATERPROOFED, RADIO
 SUPPRESSED PER MIL-STD-461.
 POTENTIAL 24 V STARTING MTR MS53011-1
 ALTERNATOR 10929868
 RATING 60 AMP; DRIVE 2 V BELTS
 BATTERIES; QTY 4, TYPE 12V 6TN MS35000-3
 TRAILER COUPLING SOCKET 7363002
 TURN SIGNAL; SOLID STATE FLASHER**

**CONTROL 11613631
 LIGHTING; HEADLAMPS 11613632
 B.O. DRIBING LAMP 8741462
 COMPOSITE LAMPS; FRONT 8747988
 REAR 11614156
 11614157**

**PERFORMANCE: APPROX 4.4 MILES PER GALLON
 350 MILES CRUISING RANGE GRADEABILITY;
 WITH GWV OF 37,210 LBS 4TH GEAR 3.4%
 1ST 60% MAXIMUM SPEED 60 MPH AT ENGINE
 GOVERNED SPEED 2100 RPM
 W/DIESEL FUEL, TYPE VV-F-800**

**CAB: TYPE STD CANVAS; ARCTIC HAROTOP
 KIT; CAPACITY 2.**

**WINCH: 7412382
 CAPACITY 9,500 LBS
 WIRE ROPE CABLE 0.6 IN DIA CABLE LENGTH
 200 FT**

**STEERING: TYPE HYD W/POWER ASSIST;
 RATIO 23.4:1 11664535**

**TIEDOWNS: 2 FRONT LIFTING 12301040
 SHACKLES; 2 REAR SHACKLES 7409523**

**ON-VEHICLE EQUIPMENT:
 BASIC ISSUE ITEMS 12300877
 ADDITIONAL AUTHORIZED LIST ITEMS
 12300998**

APPROVED 3 MAY 85 REVISED

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