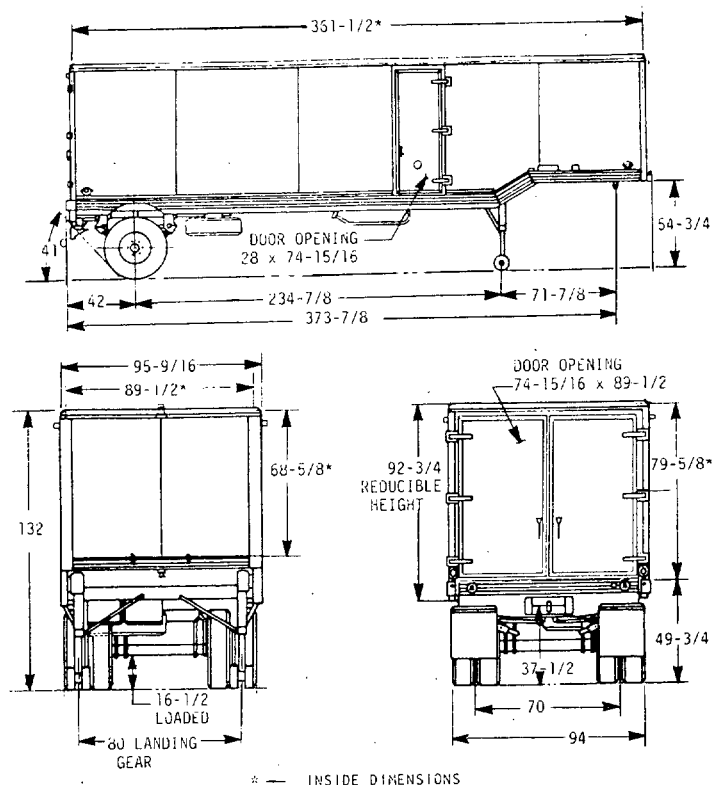


FED. SUP CLASS  
2330

(B) ENTIRE STANDARD REVISED

P.A. ARMY-AT

Other Cust

TITLE

SEMITRAILER, VAN: ELECTRONIC, 6 TON,  
2 WHEEL, FLIGHT OPERATIONS  
CONTROL CENTER, M373A2CPROCUREMENT SPECIFICATION  
MIL-S-46714

SUPERSEDES:

MS PART NO.

ENGINEERING

DWG NO

MS500042-I

8750511

MILITARY STANDARD

MS500042(AT)

SHEET 1

OF 2

FED. SUP CLASS  
2330

## VEHICLE CHARACTERISTICS

**PRIME MOVER:** TRUCK, TRACTOR, 5-TON,  
6 X 6, M52 SERIES OR M818 SERIES.  
**CURB WEIGHT:** 9430 LBS  
**LANDING GEAR:** 4430 LBS  
**REAR BOGIE** 5000 LBS

**LIFTING EYES:** (4) 2 EACH SIDE FRONT AND  
REAR. PUSH IN/PULL OUT TYPE: MEETS MIL-  
STD-209 REQUIREMENTS FOR SEMITRAILER VAN  
WITH RATED PAYLOAD. NOTE: BOGIE RAILCAR  
TIEDOWNS ALSO FOR AIRCRAFT TIEDOWN OF DOLLY  
ASSEMBLY.

**GENERAL USAGE:** SEMITRAILER VAN IS  
USED TO HOUSE AND TRANSPORT ELEC-  
TRONIC EQUIPMENT OVER ALL TYPES OF  
ROADS AND LIMITED CROSS-COUNTRY  
TERRAIN.

**AIRCRAFT VAN BODY TIE DOWNS:** TOTAL QUANTITY  
18, 4 FRONT, 5 EACH SIDE, AND 4 REAR. MEET  
MIL-AB421F REQUIREMENTS FOR TIEDOWN OF VAN  
BODY (W/O BOGIE) WITH RATED PAYLOAD.

**VEHICLE/VAN RAILCAR TIEDOWNS:** (6) 2  
EACH SIDE DOLLY FRAME, 1 EACH SIDE  
FRONT UNDERCARRIAGE: MEETS MIL-STD  
-209 REQUIREMENTS FOR SEMITRAILER  
VAN WITH RATED PAYLOAD. NOTE: BOGIE  
RAILCAR TIEDOWNS ALSO FOR AIRCRAFT  
TIEDOWN OF DOLLY ASSEMBLY.

**FORDING DEPTH:** 5 FEET MAXIMUM.

**MAXIMUM TOWING SPEEDS:**

PAVED HIGHWAY	50 MPH
GRAVEL AND DIRT (SECONDARY ROADS)	30 MPH
LEVEL CROSS-COUNTRY	20 MPH
HILLY CROSS-COUNTRY	15 MPH

**PAYLOAD:** HIGHWAY CROSS-COUNTRY  
16,000 LBS 12,000 LBS

**TIRE SIZE:** 9:00 X 20, 8 PLY W/TUBE.

**SUSPENSION:** LEAF SPRINGS

**WEIGHT DISTRIBUTION:** COUPLED TO PRIME  
MOVER  
SEMITRAILER EMPTY: EVENLY DISTRIBUTED  
PAYLOAD:  
HIGHWAY HIGHWAY CROSS-  
COUNTRY  
KINGPIN 3,390 10,740 8,890 LBS  
REAR  
BOGIE 6,040 14,690 12,540 LBS

**LEVELING JACKS:** TWO, REAR, ONE EACH SIDE.  
TO BE USED IN CONJUNCTION WITH INDEPENDENT  
OPERATED LANDING GEAR. VAN BODY CAN BE  
LEVELED ON SIDE SLOPES UP TO 10% AND ON  
LONGITUDINAL SLOPES UP TO 8% (WITH FRONT  
OF VAN FACING UPHILL).

**VAN BODY ASSEMBLY:** ALUMINUM CONSTRU-  
TION AND WATERTIGHT. VAN BODY IS PRO-  
VIDED WITH 2 VENTS AND 3 INTERIOR  
DOME LIGHTS AND IS INSULATED WITH  
URETHANE FOAM INSULATION. COMPOSITE  
THERMAL CONDUCTIVITY OF VAN IS:  
.23 BTU/HR/SF/F. EXTERIOR SKIN IS  
ALUMINUM. THE INTERIOR LINER IS  
PAINTED PLYWOOD, COLOR: WHITE  
EXTERIOR TYPE, 1/4 INCH THICK. THE  
FLOOR IS LINOLEUM OVER 3/4 INCH  
THICK PLYWOOD.

**DOLLY:** REMOVABLE W/SPARE TIRE ASSEMBLY,  
W/ONE AXLE ASSEMBLY, 6-BOLT QUICK DISCON-  
NECT DOLLY.

**DOOR HINGES:** TAMPER PROOF.

**SPARE TIRE:** SPARE TIRE CAN BE LIFTED UP/  
LET DOWN MANUALLY WITH SPARE TIRE HOLDER.

**AXLE RATING:** 14,000 LBS., CAPACITY  
(TACTICAL).

**WHEELS:** DUAL, SIZE 20 X 7-1/2, 6-1/4"  
OFFSET.

**LANDING GEAR:** ADJUSTABLE, CRANK OPERAT-  
ED, CAN BE USED AS LEVELING JACKS.

**BRAKE SIZE:** 16-1/2 X 5-1/2.

**VEHICLE ELECTRICAL SYSTEM:** 24 VOLT  
SYSTEM, LIGHTING SYSTEM AND REFLECT-  
ORS

**BRAKES ACTUATION:** AIR OVER HYDRAULIC  
SERVICE.

**REAR DOOR POST:** REMOVABLE

**PINLE:** ONE, AT REAR, CENTER, NO.  
M551335-1,  
14,000 LBS CAPACITY.

**MISCELLANEOUS EQUIPMENT:**

CHECK BLOCKS	2
BOARDING LADDERS	2, 3 STEP
MANUAL BOX	1
MUD PLATES, LANDING GEAR	2

**DOOR LOCKS:** ON INBOARD SURFACE OF  
DOORS, SIDE DOOR WITH ESCAPE - TYPE  
DOOR LOCK PERMITTING OPENING OF  
DOOR FROM INSIDE EVEN WHEN DOOR IS  
PADLOCKED FROM OUTSIDE, TAMPER  
RESISTANT.

**INTERIOR LIGHTS:** THREE SMALL "SAFETY" 24  
VOLT DOME LIGHTS, WITH ON/OFF SWITCH.

**KINGPIN:** 2 IN. DIA.

**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 TANK-AUTOMOTIVE COMMAND, WARREN, MICH. 48090.

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SHEET 2

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