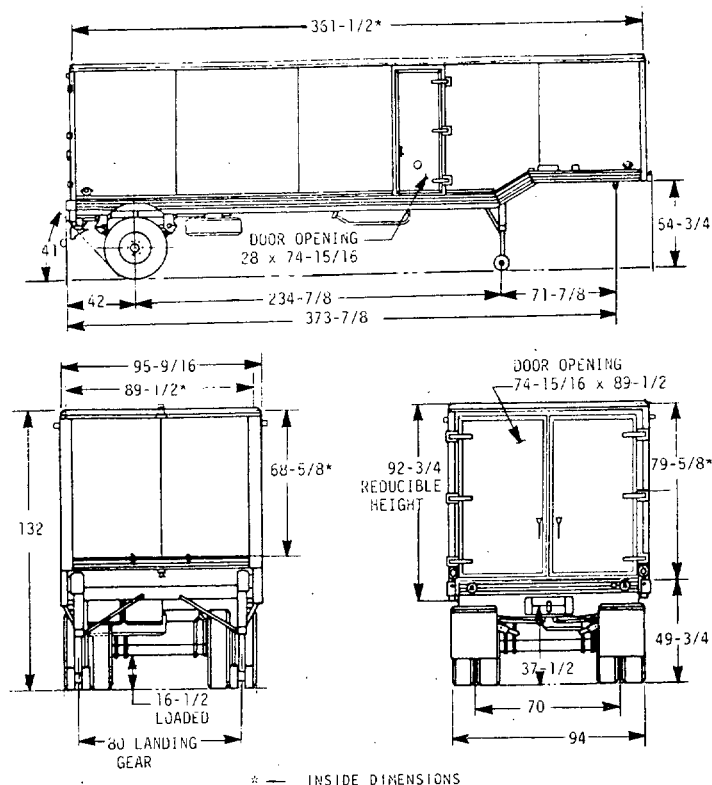


FED. SUP CLASS
2330

(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

APPROVED 11 APRIL 1966 REVISED (B) 10 APR 85

This military standard is approved for use by the US Army Tank-Automotive Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

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

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 INDEPENDENTLY
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 CONSTRUCTION
AND WATERTIGHT. VAN BODY IS PROVIDED
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.

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

REAR DOOR POST: REMOVABLE

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.

MISCELLANEOUS EQUIPMENT:

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

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.

(B) ENTIRE STANDARD REVISED

MS PART NO.	ENGINEERING DWG NO
MS500042-1	8750511

P.A. ARMY-AT Other Cust	TITLE SEMITRAILER, VAN: ELECTRONIC, 6 TON, 2 WHEEL, FLIGHT OPERATIONS CONTROL CENTER, M373A2C	MILITARY STANDARD MS500042(AT)
PROCUREMENT SPECIFICATION MIL-S-46714	SUPERSEDES:	SHEET 2 OF 2

DD FORM 672-1 SEP 57 LIMITED COORDINATION

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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