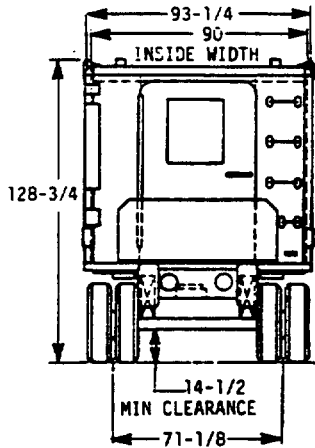
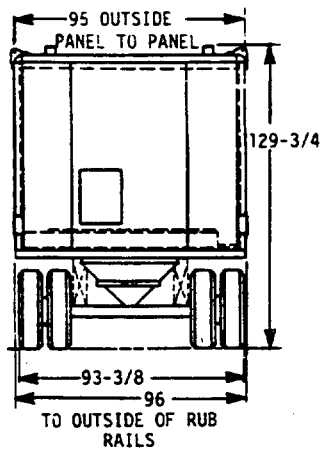
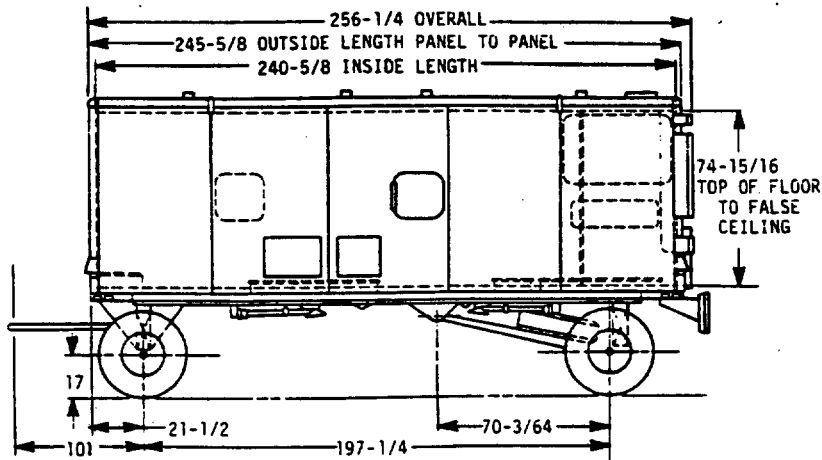


Ⓑ INACTIVE FOR NEW DESIGN AFTER 10 FEBRUARY 1989
NO SUPERSEDING STANDARD.



USER ACTIVITIES:

REVIEWER ACTIVITIES:

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.

AMSC W/A

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

P. A. ARMY-AT Other Cust NAVY-AS	INTERNATIONAL INTEREST	TITLE TRAILER, GUIDED MISSILE, TRACKING STATION, 4 WHEEL, M428A1
PROCUREMENT SPECIFICATION MIL-T-45393	SUPERSEDES:	

MS PART NO.	ENGINEERING DWG NO
MS500063-I	8736392

MILITARY STANDARD
MS500063(AT)

SHEET 1 OF 2

APPROVED 1 AUGUST 1966 REVISED Ⓐ 22 MAY 85 Ⓑ 10 FEB 1989

(B) INACTIVE FOR NEW DESIGN AFTER 10 FEBRUARY 1989 NO SUPERSEDING STANDARD.

VEHICLE CHARACTERISTICS

PRIME MOVER: TRUCK, 2-1/2 TON, 6 X 6

REFLECTORS: 4, RED,
4, AMBER,

MS35387-1
MS35387-2

WEIGHTS:

CURB WEIGHT 12715
PAYLOAD 4895
BODY AND PAYLOAD SPRUNG WEIGHT 9815
NET EMPTY 7820
FRONT DOLLY 1400
REAR DOLLY 1500 LBS

TRAILER DOLLIES:

FRONT, M573D 8736414
SPRING, LEFT 8221331
SPRING, RIGHT 7615319
REAR, M430 AIR 8158425
SPRING, RIGHT 8155307
SPRING, LEFT 8001855

MAXIMUM WEIGHT: INCLUDING BODY, WITH
PAYLOAD EVENLY DISTRIBUTED.

FRONT AXLE 3780
REAR AXLE 4240 LBS

FORDING DEPTH: TOP OF TIRES.

UNDERCARRIAGE: INST'N 10906594

(REFERENCED WEIGHTS ARE FOR INFORMATION ONLY.)

GENERAL: THE M428A1 IS A 4 DUAL WHEEL VAN TYPE TRAILER USED IN THE NIKE HERCULES SYSTEM FOR ACCOMODATING MISSILE-TRACKING AND TARGET-TRACKING RADAR EQUIPMENT. THE BODY IS INSULATED WITH BONDED HONEY-COMB TYPE INSULATION AND PROVIDED WITH HEATING AND VENTILATING DUCTS. THE TRAILER IS PROVIDED WITH FOUR CORNER TIE-DOWNS, FOUR FRAME TIE-DOWNS, FOUR LIFTING EYES, WHEEL CHOCKS, REAR PLATFORM, REAR BUMPER, AND A GROUND ROD STUD. IT HAS A PIVOTING FRONT DOLLY APPROX. 85° EACH DIRECTION FROM CENTER AND A FIXED REAR DOLLY WHICH ARE DETACHABLE FROM THE TRAILER BED. THE FRONT DOLLY CONSISTS OF A CONESHAPE FIFTH WHEEL ASSEMBLY AND INCLUDES INDEPENDENT WHEEL SUSPENSION, DETACHABLE INTERVEHICULAR CABLE, AND SAFETY CHAINS. THE REAR DOLLY IS AN 'A' FRAME TYPE THAT INCLUDES STABILIZER BAR, SWAYBAR, SERVICE AND HAND BRAKE. THE TRAILER INTERIOR IS EQUIPPED WITH FLUORESCENT AND INCANDESCENT LIGHT FIXTURES WHICH SERVE AS OPERATIONAL, EMERGENCY, AND BLACKOUT LIGHTS.

SERVICE BRAKES:

DRUM SIZE, 13-1/8 X 2 8016936
ACTUATION, AIR/HYDRAULIC 8017035
EMERGENCY RELAY VALVE,
AIR RESERVOIR,
BRAKE ASSEMBLY:
LEFT FRONT, 8016969
RIGHT FRONT, 8016970
LEFT REAR, 8016971
RIGHT REAR, 8016972
POWER CLUSTER, 8017004

WHEELS:

DUAL, DISC, SIZE, 16 X 6-1/2
5-7/8 OFFSET, MS53044-3

TIRES:

TREAD TYPE, REGULAR, 9.00-16, 8 PLY,
TUBES, MS35388-78,
MS35392-10

MAXIMUM TOWING SPEEDS:

HIGHWAY, 50 MPH
CROSS COUNTRY, 20 MPH

BUMPER ASSY:

10906582

FRAME ASSY:

10906632

VAN:

INST'N 9020103

LIFTING EYES:

2 FRONT, 2 REAR

MISCELLANEOUS EQUIPMENT:

FIRE EXTINGUISHER: 2, FREON, 2-3/4 LB,
PORTABLE, 10916537
LEVELING JACKS: 2, 8002383
2, 8004581
STAIR ASSEMBLY: PORTABLE, EXTENSIBLE,
8161317

ELECTRICAL SYSTEM:

VAN, INST'N 8003501
CHASSIS, INST'N 10906588
POTENTIAL, 24 VOLTS
HEATER, 9005301
400 CYCLE, 3 PHASE, 208 VOLTS, AC
INTERIOR, 120 VOLT, AC, 60 CYCLE
EXTERIOR AND EMERGENCY LIGHTS
24 VOLTS, DC
CLEARANCE, SERVICE 2 AMBER, MS35423-1
2 RED, MS35423-2
CLEARANCE, BLACKOUT 2 AMBER, MS35424-1
2 RED, MS35424-2
STOPLIGHT, TAIL, 2 MS51329-1
STOPLIGHT, BLACKOUT, 1 MS51302-1

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. 48397-5000.

P. A. ARMY-AT Other Cust NAVY-AS		INTERNATIONAL INTEREST	TITLE TRAILER, GUIDED MISSILE, TRACKING STATION, 4 WHEEL, M428A1	MS PART NO. MS500063-1	ENGINEERING DWG NO 8736392
PROCUREMENT SPECIFICATION MIL-T-45393				SHEET 2 OF 2	
SUPERSEDES:				MILITARY STANDARD MS500063(AT)	

USER ACTIVITIES:

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ANSC N/A
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APPROVED 1 AUGUST 1966 REVISED (A) 22 MAY 85 (B) 10 FEB 1989