

TRAILER, CARGO, MEDIUM, MC3, HAULMARK TWO-AXLE DOG

NSN 2330-66-132-6647

DATA SUMMARY

This instruction is authorised for use by command of the Chief of Army. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to carry out any action required by this instruction in accordance with EMEI General A 001.

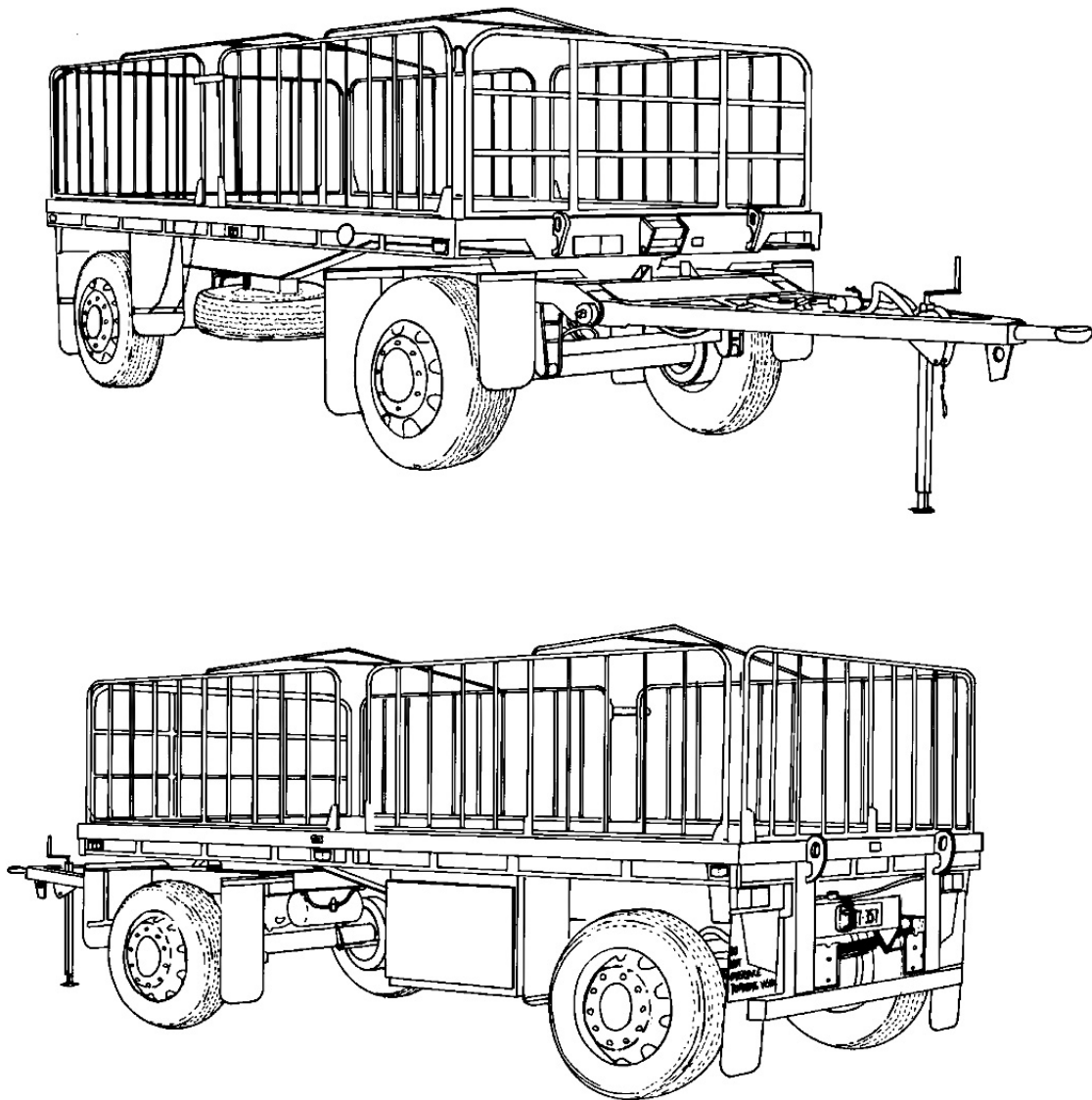


Figure 1 Trailer Cargo, Medium, MC3, Haulmark Two-Axle Dog

General

1. This EMEI lists the basic data for the Trailer, Cargo, Medium, MC3, Haulmark Two-Axle Dog, as shown in Figure 1.
2. **Role.** The primary role of this trailer is to transport containerised and palletised loads, medium shelters and general stores. It is generally towed behind the Mercedes Benz Unimog; however, it may be towed by any other suitable towing vehicle.

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3. Description. The Trailer, Cargo, Medium, MC3 Haulmark Two-Axle Dog is a two axle, prefabricated, steel-framed trailer with an integral dolly converter; suitable for both highway and cross country applications. Twist locks, lashing points and side and rear gates are provided for the securing of containerised and palletised loads.

Detail

4. Dimensions:

- a. Overall Height:
 - (1) 900 mm Gate 2 440 mm
 - (2) 1 370 mm Gate 2 910 mm
 - (3) Drawbar Vertical 2 970 mm
- b. Overall Length:
 - (1) Drawbar Vertical 5 875 mm
 - (2) Drawbar Horizontal 7 645 mm
- c. Overall Width 2 500 mm
- d. Track 2 050 mm
- e. Wheel Base 3 720 mm
- f. Cargo Tray:
 - (1) Length (Inside Gates) 4 965 mm
 - (2) Width 2 500 mm
 - (3) Height 1 300 mm
- g. Ground Clearance 230 mm
- h. Limiting Feature brake drum

5. Mass (Unladen):

- a. Front Axle:
 - (1) 900 mm Gate 2 230 kg
 - (2) 1 370 mm Gate 2 250 kg
- b. Rear Axle:
 - (1) 900 mm Gate 1 750 kg
 - (2) 1 370 mm Gate 1 750 kg
- c. Total:
 - (1) 900 mm Gate 3 980 kg
 - (2) 1 370 mm Gate 4 000 kg

6. Carry Capacity:

- a. Highway 8 000 kg
- b. Off Road 4 000 kg

7. Bridge classification:

- a. Truck and Trailer Combination (Both Unladen) 9
- b. Truck and Trailer (Both Laden, 4 Tonne and 8 Tonne) 20

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8. Electrical system:

- a. Type24 V dc
- b. Connector 12 pin NATO
- c. Lighting:
 - (1) Stop/Tail/Indicator rear of trailer, qty 2, 21/5 W (Stop/Tail)
 - (2) Number Plate Light.....rear of trailer, qty 1, 10 W
 - (3) Clearance Lights each side of trailer, qty 6, 5 W
 - (4) Clearance Lights front of trailer, qty 2, 5 W
 - (5) Blackout Lights (Stop/Marker) rear of trailer, qty 2, replaceable module

9. Axles:

- a. ManufacturerDana/Spicer
- b. Type D22 AX, single tubular beam

10. Suspension: The trailer is fitted with 10 leaf, semi-elliptic springs on all axles. These springs are free to slide at either end with the spring hangers. The springs are overslung on the axle assemblies and secured to the axles by U-bolts. The axle assemblies are aligned and located by radius rods which allow free vertical movement while still retaining proper axle alignment.

- a. Manufacturer Engineered Transport Equipment
- b. Type SA - 10 LT

11. Tyres:

- a. Size.....(Ref EMEI Vehicle A 291-5)
- b. Wheel Nut Torque..... 400 N.m (295 lbf.ft)

12. Brakes:

- a. FoundationDana/Spicer
- b. Type
.. Air/mechanical, D22, internal expanding twin-shoe type, 'S' cam actuation, 16.5 inch x 7 inch brake.
- c. Air system:
 - (1) TypeTwin line
 - (2) Manufacturer:
 - (a) Equipment Serial No 10001 to 10228.....Westinghouse, Kit: 900150
 - (b) From Equipment Serial No 12371Air Brake Corporation, Kit: ABK 3869-H2
 - (3) Coupling TypeGlad hand

13. Fuels and Lubricants:

- a. Chassis/Frame XG-291
- b. Wheel Bearings XG-291
- c. Brake Valves XG-315

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14. **Manufacturer's Details:** Manufacturers details are as follows:

a. Queensland:

Haulmark Trailers (Australia)
1848 Ipswich Road
ROCKLEA QLD 4108
Phone: (07) 3277 3666
Fax: (07) 3277 0296

b. New South Wales:

Haulmark Trailers (Australia)
36 Riverside Road
CHIPPING NORTON NSW 2170
Phone: (02) 9755 3877
Fax: (02) 9755 2320

15. **Point of Contact:**

ADFLM
LV SPO, Mdm/Hvy Vehicle Section
DMO, Victoria Barracks
St Kilda Rd
SOUTHBANK VIC 3006

16. **Associated Information:**

- a. SIGC.....2330-0054
- b. NSN..... 2330-66-132-6647
- c. RPS..... 02213
- d. SCES 12098
- e. User Handbook NSN..... 7610-66-133-5767
- f. [EMEI Vehicle H 623](#)..... Light Grade Repair
- g. [EMEI Vehicle H 624](#)..... Medium and Heavy Grade Repair
- h. [EMEI Vehicle H 629](#).....Servicing Instruction
- i. [EMEI Vehicle H 629-1](#)..... Repair Policy for Rear Chassis Diagonal Cross Member
- j. [EMEI Vehicle H 629-2](#)..... Repair of the Cracking in Web Plate
- k. [EMEI Vehicle A 291-5](#).....B Vehicle Tyre Guide

END

Distribution List: **VEH H 04.0 – Code 1** (Maint Level)
(Sponsor: LV SPO, Med/Hvy Vehicles)
(Authority: LVSP0 ECO 043/08)

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