

TRAILER, MEDIUM PLANT TRANSPORTER, MC3 HAULMARK, 4 AXLE DOG

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.

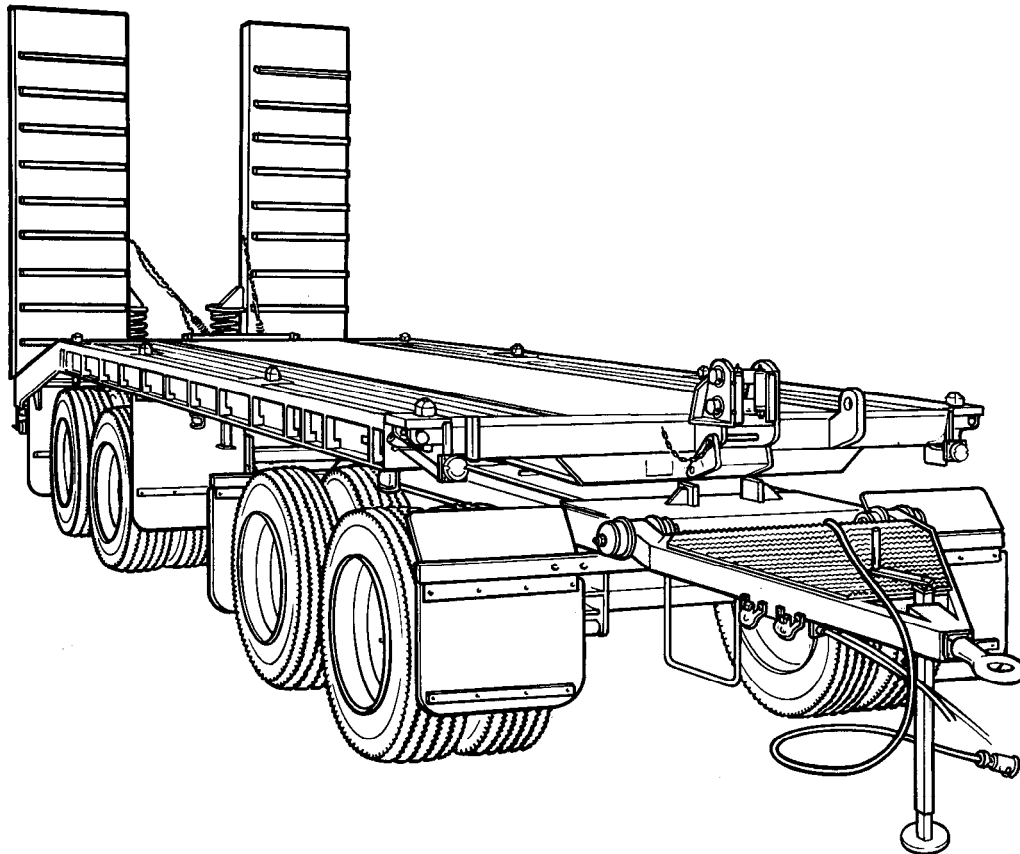


Figure 1 Trailer, Medium Plant Transporter, MC3 Haulmark, 4 Axle Dog

General

1. This EMEI lists basic data for the Trailer, Medium Plant Transporter, MC3 Haulmark, 4 Axle Dog, as shown in Figure 1.
2. **Role.** The primary role of this trailer is to transport the Tractor, Medium Full Tracked, Size 6, International TD 15C. In a secondary role, it is suitable for transporting other engineering equipment, wheeled vehicles, light armoured vehicles and ISO containers.
3. **Description.** The Trailer, Medium Plant Transporter, MC3 Haulmark 4 Axle Dog is a four axle, all steel construction trailer with an integrated dolly converter. It is designed to be towed by the Truck, Dump, 8 Tonne, MC3, Mack. The rated payload for the trailer is 20 000 kg with a gross trailer mass of 28 100 kg. This EMEI covers four versions of the Trailer. Reference in the EMEI to Versions 1 to 4 relates to the serial numbers appointed to the trailers.

4. Table 1 lists the serial numbers for the different versions of the trailer.

Table 1 Trailer Version Serial Numbers

Ser	Version	Serial Numbers
1	1	9072 to 9099
2	2	10847 to 10874
3	3	11851 to 11865
4	4	12351 to 12361

Detail

5. Dimensions - Version 1:

- a. Length (Ramps down):
 - (1) Drawbar Vertical.....9 900 mm
 - (2) Drawbar Horizontal..... 11 010 mm
- b. Length (Ramps up):
 - (1) Drawbar Vertical.....7 820 mm
 - (2) Drawbar Horizontal.....8 940 mm
- c. Height:
 - (1) Ramps Vertical.....3 270 mm
 - (2) Deck.....1 350 mm
- d. Deck Length:
 - (1) Loading Deck.....6 000 mm
 - (2) Including Beaver Tail.....6 950 mm
- e. Deck Width.....2 500 mm
- f. Towing Eye Height variable
- g. Track.....1 816 mm
- h. Wheelbase4 230 mm
- i. Ground Clearance.....350 mm
- j. Limiting Feature rear support leg

6. Dimensions - Versions 2, 3 and 4:

- a. Length (Ramps down):
 - (1) Drawbar Vertical.....11 000 mm
 - (2) Drawbar Horizontal.....11 950 mm
- b. Length (Ramps up):
 - (1) Drawbar Vertical.....8 520 mm
 - (2) Drawbar Horizontal.....9 500 mm
- c. Height:
 - (1) Ramps Vertical.....3 560 mm
 - (2) Deck1 350 mm

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- d. Deck Length:
 - (1) Loading Deck..... 6 000 mm
 - (2) Including Beaver Tail 7 500 mm
- e. Deck Width 2 500 mm
- f. Towing Eye Height variable
- g. Track 1 816 mm
- h. Wheelbase 4 230 mm
- i. Ground Clearance..... 350 mm
- j. Limiting Feature..... rear support leg

7. Mass:

- a. Unladen:
 - (1) Dolly Bogie
 - (a) Version 1 3 720 kg
 - (b) Versions 2, 3 & 4..... 3 820 kg
 - (2) Rear Bogie
 - (a) Version 1 4 380 kg
 - (b) Versions 2, 3 & 4..... 4 760 kg
 - (3) Total
 - (a) Version 1 8 100 kg
 - (b) Versions 2, 3 & 4..... 8 580 kg
- b. Maximum Loading:
 - (1) Version 1..... 20 000 kg
 - (2) Versions 2, 3 & 4 20 000 kg
- c. GTM:
 - (1) Version 1..... 28 100 kg
 - (2) Versions 2, 3 & 4 28 580 kg

8. Bridge Classification:

- a. Truck and trailer 44

9. Wheels and Tyres:

- a. Wheels.....8.25 x 22.5 tubeless
- b. Tyre Sizerefer EMEI Vehicle A 291-5
- c. Tyre Pressuresrefer EMEI Vehicle A 291-5

10. Axles:

- a. ManufacturerDana/Spicer
- b. Type D22

11. Suspension:

- a. Manufacturer..... Engineered Transport Equipment
- b. Typeeight-leaf, semi-elliptic spring, overslung with central load equaliser

12. Electrical System - Version 1:

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- a. Type..... 24 V dc
- b. Connector12-pin NATO
- c. Lighting
 - (1) Front Clearance Lights two, 5 watt.
 - (2) Stop and Tail Lights two, 10 watt.
 - (3) Turn Indicator Lights two, 21 watt.
 - (4) Side Clearance Lights - Each Side of the Trailersix, 5 watt.
 - (5) Number Plate Lightssix, 5 watt.

13. Electrical System - Versions 2, 3 & 4:

- a. Type..... 24 V dc
- b. Connector12-pin NATO
- c. Lighting:
 - (1) Front Clearance Lights two, 5 watt.
 - (2) Stop and Tail Lights two, 21 watt.
 - (3) Turn Indicator Lights two, 21 watt.
 - (4) Side Clearance Lights - Each Side of the Trailer eight, 5 watt.
 - (5) Number Plate Lights two, 10 watt.
- d. Hazard Warning Light - Version 4 only:
 - (1) Right-hand Ramp 70 watt. Haulmark MC-0081.
- e. Electrical Plug Sockets - Hazard Light - Version 4 only:
 - (1) Manufacturer Hella
 - (2) Type 2741
 - (3) Location right-hand ramp
- f. Lighting, Military:
 - (1) Blackout, Stop and Marker - Rear of trailer two, replaceable module.

14. Brakes - Versions 1, 2 & 3:

- a. Foundation..... Dana/Spicer
- b. Type..... air/mechanical. Internal expanding drum type, spring brakes on all axles of trailer and rear axle of dolly. Power chambers on front axle of dolly.
- c. Air system
 - (1) Typetwin line - 900133
 - (2) Manufacturer Westinghouse
 - (3) Coupling Type..... glad hand

15. Brakes - Version 4:

- a. Foundation..... Dana/Spicer
- b. Type..... air/mechanical. Internal expanding drum type, spring brakes on all axles of trailer and front axle of dolly. Power chambers on rear axle of dolly.
- c. Air System:
 - (1) Type twin line - ABK3854H2

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(2) Manufacturer..... Air Brake Corporation

(3) Coupling Type glad hand

16. Ballrace:

a. Manufacturer.....BPW

b. Type 90/14

17. Loading Ramps:

a. Type single piece, rear mounted, spring assisted.

b. Loading Angle:

(1) Version 1..... 19 degrees

(2) Versions 2, 3 & 4..... 17 degrees

18. Lubricants:

a. Chassis XG-274

b. Wheel Bearings XG-274

c. Air Valves XG-315

19. Manufacturer's Details:

a. Manufacturer:

Haulmark Trailers (Australia)
1848 Ipswich Rd
ROCKLEA QLD 4108

Phone: (07) 3277 3666

Fax: (07) 3277 0296

b. Australian Distributor:

Haulmark Trailers (Australia)
36 Riverside Rd
CHIPPING NORTON NSW 2170

Phone: (02) 9755 3877

Fax: (02) 9755 2320

20. Point of Contact:

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

21. Associated Information:

a. SIGC 2330-0039

b. ILSI ALI MM 10-1

c. NSN..... 2330-66-130-1749

d. RPS 02203

e. SCES 12069

f. User Handbook..... 7610-66-131-5119

g. Other EMEI:

(1) EMEI Vehicle H 602 Technical Description

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- (2) EMEI Vehicle H 603..... Light Grade Repair
- (3) EMEI Vehicle H 604-1 Medium Grade Repair
- (4) EMEI Vehicle H 609.....Servicing Instruction

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END

Distribution List: **VEH H 05.0 – Code 1** (Maint Level)
(Sponsor: LV SPO, Mdm/Hvy B Vehicles Section)
(Authority: ECO LVSP0 042/08)