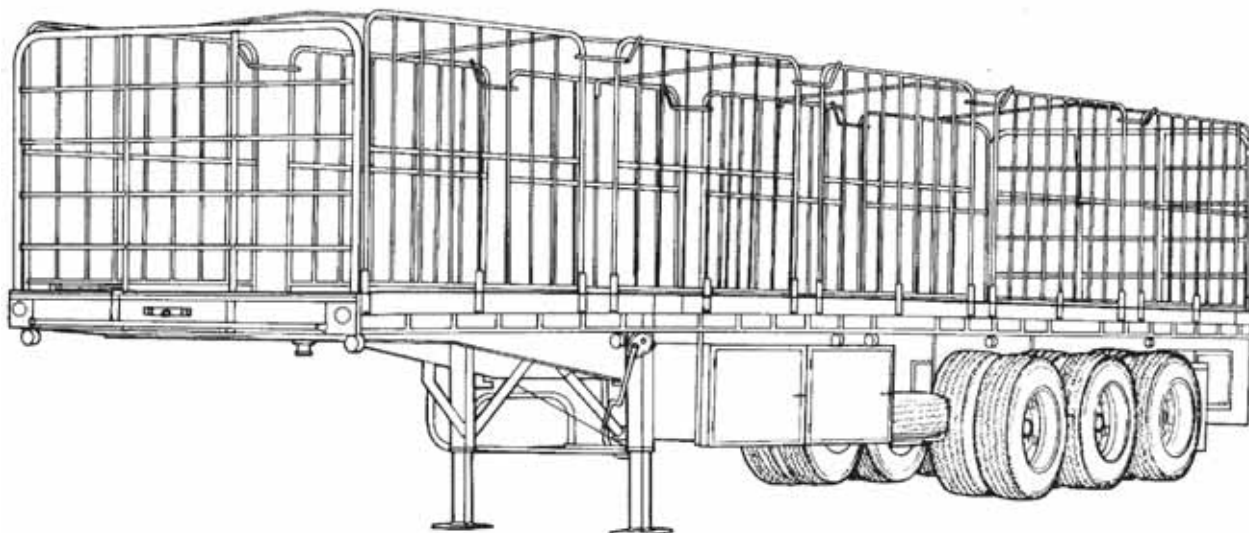


**SEMITRAILER, CARGO, 12.5 METRE, HEAVY, MC4 – FRUEHAUF HEFTY PLATFORM**

**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 Semitrailer, Cargo, 12.5 Metre, Heavy, MC4 – Fruehauf Hefty Platform**

**General**

1. This EMEI lists the basic data for the Semitrailer, Cargo, 12.5 Metre, Heavy, MC4 – Fruehauf Hefty Platform (semitrailer) as shown in Figure 1.
2. **Role.** The primary role of the semitrailer is to facilitate the carriage of containerised and palletised stores over all classes of roads, and short distances off-road. The semitrailer may also be utilised for the carriage of M113AS4 (all variants), ASLAV (all variants) and PMV FOV.
3. **Description.** The semitrailer is based on the standard Fruehauf Hefty Platform 35 tonne commercial trailer. It is fitted with twist locks for the carriage of ISO containers and has the ability, through a pin coupling at the rear of the trailer, to be used in a road train configuration.

**Detail**

**4. Dimensions:**

- a. Height:
  - (1) Overall..... 3 190 mm
  - (2) Limiting Feature..... gate bows
- b. Overall Length ..... 12 500 mm
- c. Overall Width..... 2 500 mm
- d. Coaming to King Pin..... 1 220 mm
- e. King Pin to Centre Axle..... 8 500 mm
- f. Apron Plate Height (Unladen)..... 1 320 mm

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- g. Coaming Height:
    - (1) Rear (Unladen) ..... 1 330 mm
    - (2) Front (Unladen) ..... 1 540 mm
  - h. Shipping Cubage (Landing Legs Lowered to Level Platform):
    - (1) With Load Gates ..... 92.97 m<sup>3</sup>
    - (2) Without Load Gates ..... 43.44 m<sup>3</sup>
  - i. Wheelbase ..... 2 490 mm
  - j. Track ..... 1 890 mm
  - k. Ground Clearance:
    - (1) Height ..... 400 mm
    - (2) Limiting Feature ..... stowage bins
  - l. Tow Coupling Height (Unladen to Centre of Pin) ..... 910 mm
5. **Mass:**
- a. Unladen ..... 8 050 kg
  - b. Maximum Payload ..... 35 000 kg
  - c. Gross Weight ..... 43 050 kg
6. **Design Limit Loading:**
- a. Tie Down Rating:
    - (1) The tie rail post at the end of each cross member, under the coaming, is rated at 3 000 kg lashing capacity within 45 deg from the vertical.
  - b. Load Capacity:
    - (1) 2 Axle Vehicles (per axle) ..... 7 500 kg
    - (2) M113AS4 (all variants) ..... 18 000 kg
    - (3) ASLAV (all variants) ..... 13 500 kg
    - (4) Containers ..... 35 000 kg
    - (5) Palletised Stores ..... 35 000 kg
7. **Wheels and Tyres:**
- a. Wheels ..... 8.25 DC × 22.5 with 4.25 inch spacer
  - b. Tyre Size ..... Ref EMEI Vehicle A 291-5
  - c. Tyre Pressures ..... Ref EMEI Vehicle A 291-5
8. **Bridge Classification** ..... 34
9. **Axles:**
- a. Manufacturer ..... Fruehauf
  - b. Type ..... square tubular beam
10. **Electrical System:**
- a. Type ..... 12 V DC negative earth
  - b. Connector ..... NATO 12-pin
11. **Lubricants** ..... Ref EMEI Vehicle H 779

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12. Brakes:

- a. Service Brake ..... compressed air mechanical
- b. Parking and Emergency ..... spring brakes on all axles
- c. Brake Coupling ..... glad hand connectors

13. Performance:

- a. Fording Depth (Unprepared) ..... 800 mm

14. Trailer Facilities:

- a. King Pin ..... 90 mm
- b. Tow Coupling Pin ..... 50 mm

15. Manufacturer's Details:

- a. Manufacturer:  
MaxiTRANS Industries Limited (Fruehauf Limited)  
346 Boundary Rd  
DERRIMUT VIC 3030

16. Point of Contact:

NFM, Mdm/Hvy B Vehicles  
DMO  
DPM-7  
661 Bourke St  
MELBOURNE VIC 3000

17. Associated Information:

- a. NSN..... 2330-66-130-0253
- b. RPS ..... 02199
- c. SCES ..... 12078
- d. Liability Code..... 77530/01
- e. Other EMEI:
  - (1) [Vehicle H 772](#) ..... Technical Description
  - (2) [Vehicle H 773](#) ..... Light Grade Repair
  - (3) [Vehicle H 774-1](#) ..... Medium Grade Repair
  - (4) [Vehicle H 779](#) ..... Servicing Instruction

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END

Distribution List: **VEH H 06.1 – Code 2** (Maint Level)  
(Sponsor: CGSVSPO Mdm/Hvy B Vehicles)  
(Authority CGSVSPO EC-002191)