

TRUCK, TANK WATER, HEAVY, MC3 – MACK

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.

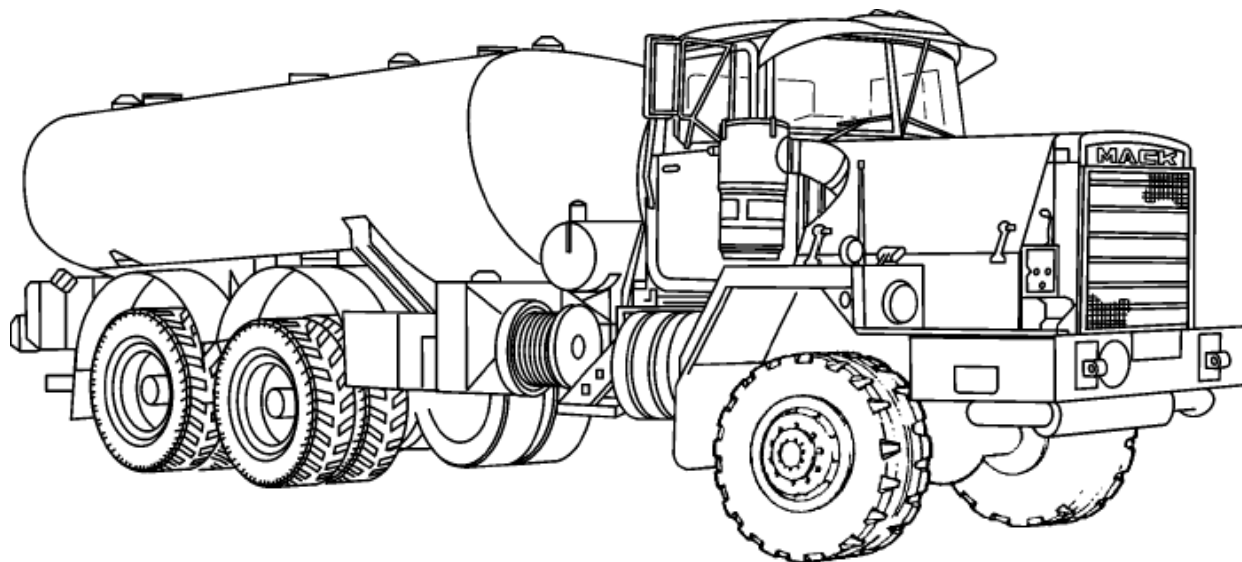


Figure 1 Truck, Tank, Water, Heavy, MC3 (Mack)

General

1. This EMEI lists basic data for the Truck, Tank Water, Heavy, MC3 – Mack, as shown in Figure 1. Information applicable to the Mack 8-tonne cab/chassis is contained in EMEI Vehicle G 700, Truck, Cargo, Heavy, MC3 – Mack – Data Summary.
2. **Role.** The role of the equipment is to transport potable and non-potable water supplies.
3. **Description.** The Truck, Tank Water, Heavy, MC3 is a 6x6 vehicle designed to negotiate any terrain or gradient that will allow wheel traction. The vehicle carries an eight-tonne load cross-country and a 10-tonne load on highways.

Detail

4. Dimensions:

- | | | |
|----|--|---------------------|
| a. | Width Overall..... | 2 525 mm |
| b. | Length Overall | 9 474 mm |
| c. | Height Overall (unladen Tram Down) | 3 170 mm |
| | (1) Tram (Raised) | 3 885 mm |
| d. | Shipping Cubage | 73.3 m ³ |
| e. | Tank Dimensions: | |
| | (1) Length | 4 972 mm |
| | (2) Width | 2 410 mm |
| | (3) Height | 1 465 mm |

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- f. Tank Rated Capacity:
 - (1) Front..... 3 270 L
 - (2) Centre..... 9 240 L
 - (3) Rear..... 2 370 L
 - (4) Total..... 14 880 L
 - g. Height of Tank Above Ground Level:
 - (1) Unladen:
 - (a) Front..... 1 498 mm
 - (b) Rear..... 1 450 mm
 - (2) Cross-country Laden:
 - (a) Front..... 1 489 mm
 - (b) Rear..... 1 450 mm
 - (3) Reduced Height (air springs deflated):
 - (a) Front..... 1 455 mm
 - (b) Rear..... 1 333 mm
- 5. Mass:**
- a. Unladen:
 - (1) Front Axle 5 360 kg
 - (2) Rear Bogie..... 6 440 kg
 - (3) Total..... 11 800 kg
 - b. Maximum Loading (highway 9 240 L, centre compartment only):
 - (1) Front Axle 6 000 kg
 - (2) Rear Bogie..... 15 040 kg
 - (3) Total..... 21 040 kg
 - c. Maximum Loading (cross-country 7 700 L, centre compartment only):
 - (1) Front Axle 5 730 kg
 - (2) Rear Bogie..... 13 780 kg
 - (3) Total..... 19 510 kg
 - d. Design Limit Loading (14 880 L, all compartments full):
 - (1) Front Axle 6 400 kg
 - (2) Rear Bogie..... 20 280 kg
 - (3) Total..... 26 680 kg
- 6. Fuels and Lubricants:**
- a. Hydraulic Tank:
 - (1) Type OM-65
 - (2) Capacity 135 L

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7. **Hose Reels:**
- a. Quantity..... 2
 - b. Size..... 19 mm
 - c. Length 20 m
8. **Suction Hoses:**
- a. Quantity..... 4
 - b. Size..... 76 mm
 - c. Length 4 080 mm
 - d. Connectors DN 80 QAF (camlock)
9. **Lay Flat Hose:**
- a. Quantity..... 1
 - b. Size..... 76 mm
 - c. Length 60 m
 - d. Connectors DN 80 QAF (camlock)
10. **Spray Bar:**
- a. Normal Width (no extensions) 2 525 mm
 - b. Width With Both Extensions..... 3 560 mm
11. **Point of Contact:**
- DMO-LAND SYSTEMS DIVISION
CGSVSPO-MDM/HVY B VEHICLES
Defence Plaza Melbourne
661 Bourke Street
MELBOURNE VIC 3000
Tel: (03) 9282 3639
12. **Associated Information:**
- a. SIGC 2320-0037
 - b. NSN..... 2320-66-112-8853
 - c. RPS 02168
 - d. SCES 011657
 - e. User Handbook..... 7610-66-115-4733
 - f. ILSI ALI MM 10-8
 - g. [EMEI Vehicle A 029](#)..... Servicing of B Vehicles, Trailers, Stationary Equipment, Auxiliary and Small Engines – Servicing Instruction
 - h. [EMEI Vehicle A 291-5](#) General Service B Vehicle Tyre Guide – Operator Instructions
 - i. [EMEI Vehicle G 700](#)..... Truck, Cargo, Heavy, MC3 – Mack – Data Summary (Cargo)
 - j. [EMEI Vehicle G 703](#)..... Truck, Cargo, Heavy, MC3 – Mack – Light Grade Repair (Cargo)
 - k. [EMEI Vehicle G 703-1](#) Truck, Cargo, Heavy, MC3 – Mack – Light Grade Repair (Air spring suspension)
 - l. [EMEI Vehicle G 704](#)..... Truck, Cargo, Heavy, MC3 – Mack – Medium Grade Repair (Cargo)
 - m. [EMEI Vehicle G 704-1](#) Truck, Cargo, Heavy, MC3 – Mack – Heavy Grade Repair (Cargo)
 - n. [EMEI Vehicle G 709](#)..... Truck, Cargo, Heavy, MC3 – Mack – Servicing Instruction (All variants)

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- o.** [EMEI Vehicle G 752](#) Truck, Tank Water, Heavy, MC3 – Mack – Technical Description
- p.** [EMEI Vehicle G 753](#) Truck, Tank Water, Heavy, MC3 – Mack – Light Grade Repair
- q.** [EMEI Vehicle G 754](#) Truck, Tank Water, Heavy, MC3 – Mack – Medium and Heavy Grade Repair

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END

Distribution List: **VEH G 55.0 – Code 1** (Maint Level)
(Sponsor: CGSVSPO, Med/Hvy B Vehicles)
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