

## TRUCK, CARGO, WITH CRANE, 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, Cargo, with Crane, Heavy, MC3 (Mack)**

#### General

1. This EMEI lists basic data for Truck, Cargo, with Crane, 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 stores and provide a general lift facility within the capacity of the crane.
3. **Description.** The Truck, Cargo, with Crane, Heavy, MC3 (Mack) is a 6x6 vehicle designed to negotiate any terrain or gradient that will allow wheel traction. The vehicle incorporates a hydraulic crane to facilitate self-loading/unloading and the transfer of loads between vehicles. The vehicle carries an eight-tonne load cross country and a ten-tonne load on highways.

#### Detail

##### 4. Dimensions:

###### a. Cargo Tray Dimensions:

- |     |                               |          |
|-----|-------------------------------|----------|
| (1) | Length .....                  | 5 016 mm |
| (2) | Width .....                   | 2 500 mm |
| (3) | Height (sideboards only)..... | 350 mm   |

##### 5. Mass:

###### a. Unladen:

- |     |                  |           |
|-----|------------------|-----------|
| (1) | Front Axle ..... | 5 764 kg  |
| (2) | Rear Bogie ..... | 7 046 kg  |
| (3) | Total.....       | 12 810 kg |

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- b. Maximum Loading (highway):
- (1) Front Axle ..... 6 000 kg
  - (2) Rear Bogie..... 17 046 kg
  - (3) Total ..... 23 046 kg
- c. Maximum Loading (cross country):
- (1) Front Axle ..... 5 764 kg
  - (2) Rear Bogie..... 15 046 kg
  - (3) Total ..... 20 810 kg

6. Crane:

- a. Manufacturer ..... Hiab
- b. Model ..... 090 AW

7. Crane Capacity (Maximum Safe Working Load/Radius):

- a. Radius 1 800 mm..... 4 500 kg
- b. Radius 3 500 mm..... 2 400 kg
- c. Radius 5 200 mm..... 1 620 kg
- d. Radius 7 000 mm..... 1 170 kg

8. Crane Oil Tank:

- a. Type..... OM-65
- b. Capacity..... 105 L

9. Point of Contact:

DMO-LAND SYSTEMS DIVISION  
CGSVSPO – Med/Hvy B Vehicles  
Defence Plaza Melbourne  
661 Bourke Street  
MELBOURNE VIC 3000  
Tel: (03) 9282 3639

10. Associated Information:

- a. SIGC..... 2320-0034
- b. NSN..... 2320-66-104-2877
- c. SCES ..... 11867
- d. RPS..... 02162
- e. ILSI..... ALI MM 10-8
- f. User Handbook..... 7610-66-115-4729
- g. [EMEI Vehicle A 029-3](#)..... Vehicles – General, Servicing of B Vehicles – General Instructions
- h. [EMEI Vehicle A 291-5](#)..... Tyres and Tubes, General Service B Vehicle Tyre Guide – Operator Instructions
- i. [EMEI Vehicle G 700](#)..... Truck, Cargo, Heavy, MC3 – Mack – Data Summary
- j. [EMEI Vehicle G 702](#)..... Truck, Cargo, Heavy, MC3 – Mack – Technical Description
- k. [EMEI Vehicle G 703](#)..... Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Light Grade Repair
- l. [EMEI Vehicle G 703-1](#)..... Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Unit Repair (air spring suspension).....

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- m. [EMEI Vehicle G 704](#).....Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Medium Grade Repair .....
- n. [EMEI Vehicle G 704-1](#) .....Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Heavy Grade Repair .....
- o. [EMEI Vehicle G 709](#)..... Truck, Cargo, Heavy, MC3 – Mack, All Variants – Servicing
- p. [EMEI Vehicle G 712](#)..... Truck, Cargo, With Crane, Heavy, MC3 – Mack – Technical Description
- q. [EMEI Vehicle G 713](#)..... Truck, Cargo, With Crane, Heavy, MC3 – Mack – Light Grade Repair
- r. [EMEI Vehicle G 714](#)..... Truck, Cargo, With Crane, Heavy, MC3 – Mack – Medium and Heavy Grade Repair

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**END**

Distribution List: **VEH G 52.0 – Code 1** (Maint Level)

(Sponsor: CGSVSPO Med/Hvy B Vehicles)

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