

## TRUCK, MC4, MACK, CH FLEETLINER

### CARGO W/CRANE

## 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, MC4, Mack, CH Fleetliner W/Crane

### General

1. This instruction details the basic data for the Truck, MC4, Mack, CH Fleetliner, Cargo fitted with a Palfinger crane as shown in Figure 1. Information applicable to the Mack, MC4 cab/chassis is contained in EMEI Vehicle G 830-1 – Truck, MC4, Mack, CH Fleetliner.
2. The CH vehicle series are modified commercially sourced vehicles, issued to units to replace the military specification 'R series' Mack vehicles that have been withdrawn, redeployed or allocated to higher readiness operational units as a result of fleet remediation.
3. **Role.** The role of this vehicle is to provide a logistic capability to carry general freight and to tow the Trailer, Medium Plant Transporter, MC3, Haulmark 4 Axle Dog. This vehicle has the ability to self load and unload using the onboard crane.

### NOTE

The CH Mack series are not equipped for off-road or cross-country driving. The CH vehicle fleet is designed for use on formed roads only.

4. **Description.** The Truck, MC4, Mack, CH Fleetliner, Cargo W/Crane, is a Mack CH788 RS Fleetliner cab chassis fitted with a power take off (PTO), forward mounted medium loading crane and cargo tray. The tray is fitted with twist locks and chain anchor points for securing of loads and rope rails for securing the tarpaulin. Side gates, load rack, bows and tarpaulin are also provided to protect the load.

**Detail**

**5. Mass:**

**a. Unladen:**

- (1) Front Axle ..... 5 060 kg
- (2) Rear Axle ..... 6 760 kg
- (3) Total ..... 11 820 kg

**b. Laden:**

- (1) Front Axle ..... 6 000 kg
- (2) Rear Axle ..... 16 500 kg
- (3) Total ..... 22 500 kg

**6. Power Take-off:**

- a. Manufacturer ..... Altatec
- b. Type..... 2098P

**7. Tray Specifications:**

- a. Manufacturer ..... Haulmark
- b. Deck Material ..... 5 mm steel floorplate
- c. Dimensions:
  - (1) Length ..... 5 300 mm
  - (2) Internal Length (Rear Load Rack on)..... 5 250 mm
  - (3) Width..... 2 500 mm
  - (4) Internal Width (Side Gates on)..... 2 430 mm
  - (5) Height (Tarp Bows Fitted) ..... 1 830 mm
  - (6) Head Board Height..... 1 930 mm (reducible to 1 330 mm for crane operation)

**8. Crane Data:**

- a. Manufacturer ..... Palfinger
- b. Type..... PK 9501 A
- c. Lifting Moment ..... 88 kN.m
- d. Lifting Capacity..... Ref Table 1

**Table 1 Lifting Capacity**

Serial	Outreach	Capacity
1	1.6 m	4 990 kg
2	4.1 m	2 140 kg
3	5.6 m	1 510 kg
4	7.6 m	1 110 kg

- e. Slewing Angle ..... 400°
- f. Slewing Torque ..... 11.8 kN.m
- g. Operating Pressure ..... 30 MPa
- h. Hydraulic Pump:
  - (1) Manufacturer ..... Altatec

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- (2) Model..... PMPNF0035S
- (3) Capacity ..... 34 L/min @ 1 000 r/min
- i. Hydraulic Oil Reservoir:
- (1) Capacity ..... 70 L
- (2) Oil Type ..... Castrol AWS 68
- 9. Manufacturer's Details:**
- a. Manufacturer/Australian Distributor:
- Mack Trucks Australia P/L  
20 Westgate St  
WACOL QLD 4076
- Mack Trucks Australia P/L  
PO Box 364  
RICHLANDS QLD 4077
- Ph (07) 3718 3333
- 10. Point of Contact:**
- NFM, Mdm/Hvy B Vehicles  
DMO  
DPM-7  
661 Bourke St  
MELBOURNE VIC 3000
- 11. Associated Information:**
- a. Stock Item Group Code..... 2320-0034
- b. NSN..... 2320-66-145-7166
- c. SCES ..... 012220/1
- d. Other EMEI:
- (1) [Vehicle G 830-1](#)..... Truck, MC4, Mack, CH Fleetliner Cargo – Data Summary
- (2) [Vehicle G 832-1](#)..... Truck, MC4, Mack, CH Fleetliner Cargo – Technical Description
- (3) [Vehicle G 832-2](#)..... Technical Description

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**END**

Distribution List: **VEH G 60.0 – Code 1** (Maint Level)  
(Sponsor: CGSVSPO Mdm/Hvy B Vehicles)  
(Authority LVSP0 ECO 069/09)