

TRUCK, CARGO, MEDIUM, MC3, 8 TONNE, SCANIA

GS CARGO, RIGID BODY – TIPPER VARIANT

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, Medium, MC3, 8 Tonne, Scania – Tipper Variant

General

1. This EMEI lists basic data for Truck, Cargo, Medium, MC3, 8 Tonne, Scania, Tipper variant as shown in Figure 1.
2. **Role.** The role of the above equipment is the operational and general transportation of waste products and bulk raw materials.
3. **Description.** The equipment is a Scania Model P114CB4x4HZ, 340 hp, cab chassis with tipper body and associated equipment.

Detail

4. Dimensions:

- | | | |
|----|--------------------------------|---------|
| a. | Height (unladen)..... | 3100 mm |
| b. | Height (laden)..... | 2950 mm |
| c. | Length | 7397 mm |
| d. | Width (excluding mirrors)..... | 2500 mm |

5. Mass:

- | | | |
|----|----------------------|---------|
| a. | Unladen (front)..... | 5359 kg |
| b. | Unladen (rear)..... | 4092 kg |

- c. Total (unladen) 9451 kg
- d. Laden (front)..... 6000 kg
- e. Laden (rear)..... 9000 kg
- f. Total (laden)..... 15 000 kg

6. Payload:

- a. Payload 5549 kg
- b. GVM..... 15 000 kg
- c. Tow Bar Capacity..... 15 000 kg
- d. GCM (limited by tow bar)..... 30 000 kg

7. Performance:

- a. Fording Depth..... 1 m
- b. Turning Radius:
 - (1) Wall to Wall 7.58 m
 - (2) Kerb to Kerb..... 8.56 m
- c. Angle of Approach:
 - (1) Unladen 29°
 - (2) Laden..... 27°
- d. Angle of Departure:
 - (1) Unladen 24°
 - (2) Laden..... 22°
- e. Maximum Gradient (@ 15 000 kg GVM):
 - (1) On Asphalt 51.3%
 - (2) On Gravel..... 31.3%
- f. Ground Clearance:
 - (1) Front 284 mm
 - (2) Rear 227 mm

8. Engine:

- a. Make..... Scania
- b. ModelDC11.01
- c. Power @ 1800 rpm..... 250 kW
- d. Torque @ 1100 – 1450 rpm 1600 N.m
- e. Displacement..... 10.6 L
- f. Number of Cylinders 6
- g. Firing Order..... 1, 5, 3, 6, 2, 4
- h. Compression Ratio 17:1
- i. Idle Speed 600 rpm
- j. Governed Speed 1800 rpm
- k. Oil GradeACEA:E3 15W-40
- l. Oil Capacity.....28 to 35 L

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m. Emission Rating Euro 2

9. Front Axle:

- a. Make..... Scania
- b. Model AMD900
- c. Ratio 3.9:1
- d. Oil Grade..... Scania STO 1:0 85W-140
- e. Oil Capacity 13.5 L

10. Rear Axle:

- a. Make..... Scania
- b. Model RP832
- c. Ratio 3.9:1
- d. Oil Grade..... Scania STO 1:0 85W-140
- e. Oil Capacity 14 L

11. Transmission:

- a. Make..... Scania
- b. Model GRS 890
- c. Speeds Forward..... 12
- d. Speeds Reverse..... 2
- e. Ratios refer Table 1
- f. Oil Grade..... Scania STO 1:0 85W-140
- g. Oil Capacity 15.4 L

Table 1 Gear Ratios

Gear	Split	Low	High
Reverse	L	14.74	N/A
	H	11.95	N/A
1/4	L	1.27	3.01
	H	9.14	2.44
2/5	L	7.17	1.91
	H	5.81	1.55
3/6	L	4.62	1.23
	H	3.75	1.00

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12. Transfer Case:

- a. Make..... Scania
- b. Model GTD 800
- c. Speeds..... 2
- d. Ratios..... 0.890/1.536:1
- e. Oil Grade..... Scania STO 1:0 85W-140
- f. Oil Capacity..... 6 L

13. Rims and Tyres:

- a. Rims 8.25 × 22.5 10-stud, steel disc
- b. Tyres (front and rear) 11R22.5, 16 ply
- c. Load Limit (single tyre) 6300 kg
- d. Load Limit (dual tyres) 11 600 kg
- e. Tyre Pressure (cold) Front..... 750 kPa
- f. Tyre Pressure (cold) Rear..... 680 kPa

14. Tray Body:

- a. Length 5500 mm
- b. Width 2500 mm

15. Trailer Facilities:

- a. Coupling..... Ringfeder 65G
- b. Tow Bar Capacity..... 15 000 kg
- c. Coupling Height 875 mm
- d. Socket Type..... NATO 12 pin

16. Manufacturer's Details:

Scania Australia P/L
212 Northbourne Rd
CAMPBELLFIELD VIC 3061

17. Associated Information:

- a. SIGC..... 2320-0197
- b. NIIN 66-148-2892
- c. SCES 12270
- d. [EMEI Vehicle G 640](#)..... General Description, Data Summary
- e. [EMEI Vehicle G 640-2](#)..... Tanker Variant, Data Summary
- f. [EMEI Vehicle G 640-3](#)..... Crane Variant, Data Summary

END

Distribution List: **VEH G 37.1 – Code 1** (Maint Level)
(Sponsor: LV SPO, Mdm/Hvy B Veh)

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