

**TRACTOR TOW MOTOR, WAREHOUSE, 2.5 TONNE, TOYOTA MODEL 02-2TD25,
NSN 3930-66-134-9945**

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 Tractor Tow Motor, Warehouse, 2.5 Tonne, Toyota Model 02-2TD25

General

1. This EMEI lists the basic data for the Tractor Tow Motor Warehouse 2.5 Tonne Toyota Model 02-2TD25, as shown in Figure 1.
2. **Role.** The role of the Tractor Tow Motor Warehouse 2.5 Tonne Toyota Model 02-2TD25 is for towing operations in storehouse environments.

Detail

3. Dimension and Mass:

a.	Length Overall	3020 mm
b.	Width Overall.....	1420 mm
c.	Height Overall	1360 mm
d.	Ground Clearance.....	150 mm
e.	Turning Circle	6100 mm
f.	Wheel Base	1600 mm
g.	Mass	4040 kg

4. Capacities:

a.	Fuel Tank	70 L
b.	Cooling System	9 L
c.	Engine Crankcase.....	7 L
d.	Transmission	10 L
e.	Differential	11.5 L
f.	Power Steering	1.8 L
g.	Steering Box.....	0.6 L
h.	Brake System	0.6 L

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Technical Data

5. Engine:

- a. Type four-cylinder diesel
- b. Model 2.5 L Toyota 1DZ
- c. Power..... 41 kW at 2400 rpm
- d. Torque 167 N.m at 1600 rpm
- e. Lubrication pressure fed

6. Electrical System:

- a. Starting 12 V
- b. Lighting 12 V
- c. Alternator 12 V, 40 Amp
- d. Battery 12 V, 64 AH

7. Transmission:

- a. Model Toyota Automatic
- b. Number of speeds:
 - (1) three forward, and
 - (2) one reverse.

8. Axles:

- a. Front Axle trailing arm
- b. Rear Axle..... full floating spiral bevel

9. Steering:

- a. Type.....recirculating ball power assisted

10. Tyres:

- a. Size:
 - (1) front 165r13, 8 ply, and
 - (2) rear 28 x 8.15, 12 ply
- b. Pressure:
 - (1) front 440 kPa, and
 - (2) rear 690 kPa.

11. Brakes:

- a. Service boosted hydraulic tandem system
- b. Configuration:
 - (1) disc front, and
 - (2) drum rear.
- c. Parking mechanical

12. Performance:

- a. Maximum Speed..... 26 kph
- b. Maximum Drawbar Pull..... 2500 kg

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13. Associated Information:

- a. NSN..... 3930-66-134-9945
- b. SCES 12130
- c. Other EMEI:
 - (1) Engr Equip T 216..... Authority for Use
 - (2) Engr Equip T 216-1 Operator's Manual
 - (3) Engr Equip T 216-2 Repair Manual
 - (4) Engr Equip T 216-3 Repair Manual
 - (5) Engr Equip T 219..... Servicing Instruction

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END

Distribution List: **ENGR T 05.0 – Code 1** (Maint Level)
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