**Crew Cab Tipper Range**

717 Crew Tipper
816 Crew Tipper Auto
917 Crew Tipper

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**KEY FEATURES**

- Crew Cab, 7 Seats, 3 Front, 4 Rear
- Factory Tipper Body
- Dual SRS air bag
- Front and Rear Disc Brakes
- ABS, VSC & Traction Control all STD
- Manual or Automatic Transmission variants
- Easy Start (Manual Model Only)
- Driver Suspension seat
- Also meets EEV emission levels

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**KEY SPECIFICATIONS**

- **GVM Range**: 4495 to 8500kg
- **GCM Range**: 7300 to 12000kg
- **Power**: 121 kW@2500rpm (Man)
- **Torque**: 464 Nm @ 1400rpm (Man)
- **Transmissions**: 6 Speed Manual
- **Tipper Volume**: 3.2m³ and 3.4m³
- **Tipper Length**: 3.8m and 4.0m

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* Illustration may contain items not standard to the model

**ADR 80/03 Models**

300 Series Tipper Range
**Engine & Driveline Specifications**

**ENGINE**
- **Model:** N04CUT Manual
- **Max output ISO Net @ 2500 rpm:** 121 kW (165 PS)
- **Max Output ISO Net @ 1400rpm:** 464 Nm
- **Max Engine Speed:**
- **Type:** Diesel 4 cycle 4 cylinder in line overhead valve, water cooled
- **Combustion System:** Direct injection type
- **Bore & Stroke:** 104 mm x 118 mm
- **Piston displacement:** 4.009 Lts
- **Fuel Injection:** Electronic control, common rail type
- **Air Intake system:** Turbo, intercooled stack type intake
- **Air Cleaner:** Paper Element
- **Fan Clutch:** Equipped
- **Exhaust:** Catalytic converter with Diesel Particulate Active reduction System (DPR)
- **Exhaust Outlet:** Horizontal
- **Exhaust Control System:** EGR & DPR meeting ADR 80/03 using Euro 5. Also meeting EEV emission levels

**PERFORMANCE & GEAR RATIOS**
- **MZZ6F Manual transmission**
  - 1st: 6.369
  - 2nd: 3.767
  - 3rd: 1.966
  - 4th: 1.355
  - 5th: 1.000
  - 6th: 0.782
  - Rev.: 6.369

**ELECTRICAL**
- **Type:** 24 volt, negative earth
- **Batteries:** 12V x 2, series connected
- **Alternator type:** Built-in rectifier and voltage regulator
- **Capacity:** 24V – 80AMP
- **Starter capacity:** 24V, 4.5kW

**CHASSIS FRAME**
- **Type:** Ladder-shaped channel section side rails
- **Chassis width at rear:** 750mm
- **Max Section in mm:** 192.8 x 65 x 5.9
  - (depth x flange x thickness)
- **Tensile strength:** 540N/mm²
- **Towing hooks:** Equipped at front and rear

**STEERING**
- **Wide Cab:** Telescopic and Tilt Steering column with Recirculating Ball with integral Power steering

**BRAKES**
- **Service brakes:** Hydraulic system with ventilated disc brakes front and rear
- **Control:** Vacuum servo with hydraulic assist & dual circuits
- **Anti Lock Braking System:** Equipped
- **Vehicle Stability Control (VSC):** Equipped
- **Traction Control (TRC):** Equipped
- **Easy Start System:** Equipped (manual models only)
- **Exhaust Brake:** Electro Vacuum actuator with valve in the exhaust pipe
- **Park Brake:** Rear of Transmission

**CAB EXTERIOR**
- **Type:** Forward control, all steel welded construction, torsion-bar tilt mechanism, fully trimmed
- **Windscreen wipers:** Electric, dual wipers, intermittent and 2-speed
- **Outside rear mirrors:** Remote control and heated
- **Radiator grille:** Painted same colour as cabin
- **Lamps:** Halogen headlamps and fog lamps
Cab Equipment, Power Charts & Body Details

CAB INTERIOR
Windscreen glass . . . . . . Laminated glass
Seating capacity . . . . . Seven
Driver’s seat . . . . . . 4-way adjustable, urethane pads, high-back, lumbar support with suspension base
Assistant’s seat . . . . . . Fixed bench, urethane foam pads, high-back
Seat cover . . . . . . Fabric cover
Seat belts
Driver’s seat . . . . . . 3-point type with ELR and pre-tensioner
Assistant’s seat . . . . . . 3-point type with ELR and pre-tensioner
Centre passenger’s seat . . . . 2-point type
Sun visors . . . . . . For driver and passenger
Ventilator . . . . . . Forced type by electric blower
Inside rear mirror . . . . . . One, flat type
Cigarette lighter (24 volt) . . . . . . Equipped
Audio . . . . . . DAB AM/FM radio with CD & DVD player & Bluetooth
Heater and defroster . . . . . . Equipped
Air conditioner . . . . . . Equipped
Remote door locking . . . . . . Equipped
Immobiliser . . . . . . Equipped
Power windows . . . . . . Equipped
SRS airbags . . . . . . Equipped for driver and assistant
Seat back console . . . . . . Equipped (Wide Cab only)
Overhead consoles . . . . . . For driver and assistant
Cup holder . . . . . . Equipped

INSTRUMENTS
1. Meters and gauges
   km-kg system
   Engine tachometer
   Speedometer
2. Warning, pilot lamps and buzzers
   Turning signal & hazard indicator lamp
   Exhaust brake indicator lamp
   Engine oil pressure warning lamp
   Battery charge warning lamp
   High beam indicator lamp
   Parking brake indicator lamp
   Engine malfunction indicator lamp
   Fuel level warning lamp
   Fuel filter water accumulating
   Level warning lamp
   Brake fluid level warning lamp
   Back-up warning buzzer
   Cab-tilt warning lamp
   ABS system failure warning lamp
   SRS airbag system failure warning lamp
   Easy Start indicator lamp*
3. Switches
   Lighting switch
   Wiper and washer switch
   Exhaust brake switch
   Easy Start switch*
   Easy Start release timing adjuster switch*
   Traction Control OFF
4. Multi Information Display
   Fuel gauge
   Coolant temperature gauge
   DPR accumulation gauge
   Odometer
   2 trip meters
   Fuel consumption
   - Current
   - Average
5. Others
   One-key starting-stopping
   Horn button
   Remote door locking
* Easy start components are for Manual models only

TIPPER BODY DETAILS
Model 717 Manual 917 Manual
Capacity 3.2m³ 3.4m³
Body Length 3.8m 4.0m
Body Width 2000mm 2000mm
Body Side Height 430mm 430mm
Tipping Angle (deg) 50 50
Deck Plate Thickness 3.2mm 4.5mm
Front Plate Thickness 2.3mm 3.2mm
Tailgate Thickness 3.2mm 3.2mm
Hydraulic Cylinder Bore & Stroke 100 x 510mm 100 x 510mm
PTO On Transmission
Hydraulic Pump Type Gear Type
   Model VC03-15 VC03-15
PTO & Tip Control
   Lever in Cab
Body Lock Standard Standard
Rope Rails Standard Standard
2 way gates hinged from the top and sides Standard

COMBINED POWER & TORQUE CHART (ISO Net)

<table>
<thead>
<tr>
<th>ENGINE SPEED (rpm)</th>
<th>OUTPUT (kW)</th>
<th>TORQUE (N-m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1,000</td>
<td>121 kW / 2500 rpm (165 PS / 2500 rpm)</td>
<td>420 Nm / 1400 rpm (42.8 kgm / 1400 rpm)</td>
</tr>
<tr>
<td>1,400</td>
<td>110 kW / 2500 rpm (150 PS / 2500 rpm)</td>
<td>400 Nm / 1400 rpm (47.3 kgm / 1400 rpm)</td>
</tr>
<tr>
<td>1,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3,400</td>
<td></td>
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</tr>
</tbody>
</table>

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Tipper Range Dimensions

**DIMENSIONS - mm / Capacities**

<table>
<thead>
<tr>
<th>Models</th>
<th>717 Man Tipper</th>
<th>917 Man Tipper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>XZU730R- QKFGTQ3 D</td>
<td>XZU730R- QKFHTQ3 D</td>
</tr>
<tr>
<td>Turning Circle</td>
<td>Kerb to Kerb 13800</td>
<td>14800</td>
</tr>
<tr>
<td></td>
<td>Wall to Wall 15200</td>
<td>16200</td>
</tr>
<tr>
<td>Load Rating</td>
<td>Front Axle 2800</td>
<td>3100</td>
</tr>
<tr>
<td></td>
<td>Rear Axle 5280</td>
<td>6000</td>
</tr>
<tr>
<td>Wheel Base</td>
<td>4200</td>
<td>4200</td>
</tr>
<tr>
<td>Overall length</td>
<td>6965</td>
<td>7015</td>
</tr>
<tr>
<td>Width</td>
<td>2190</td>
<td>2190</td>
</tr>
<tr>
<td>Height</td>
<td>2230</td>
<td>2260</td>
</tr>
<tr>
<td>Rear Overhand (ROH)</td>
<td>1535</td>
<td>1585</td>
</tr>
<tr>
<td>Fuel Tank Capacity</td>
<td>100 lts</td>
<td>100 lts</td>
</tr>
</tbody>
</table>

**PERFORMANCE DATA**

| Max Theoretical Speed | 129 km/h | 119 km/h |
| Engine speed @ 100 km/h | 2400 rpm | 2600 rpm |
| Wheels & Tyres | 215/85R 16 | 225/80R 17.5 |
| Final Drive Ratio | 4.333 : 1 | 4.875 : 1 |

| Approx Mass - kg | Total | 3755 | 4010 |
|                 | Front | 1940 | 1960 |
|                 | Rear  | 1815 | 2050 |
| GVM STD         | 6500  | 8500 |
| GCM             | 10000 | 12,000 |

Approximate mass includes standard tools, 10 litres of fuel without spare tyre.

**WARRANTY**

New vehicle warranty period

<table>
<thead>
<tr>
<th>Light Duty</th>
<th>Axle configuration</th>
<th>Standard warranty (whichever comes first)</th>
<th>Cab corrosion perforation</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 SERIES Crew Cab Tipper Range</td>
<td>4x2</td>
<td>3 years or 100,000km</td>
<td>36 months</td>
</tr>
</tbody>
</table>

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