

# NLR 200 Tipper



AUSTRALIA'S TOP SELLING TRUCK BRAND SINCE 1989. Truck tracker 2009.

## AT A GLANCE

<b>GVM</b>	4,500 kg
<b>GCM</b>	7,000 kg
<b>Power</b>	110 kW @ 2,800 rpm
<b>Torque</b>	375 Nm @ 1,600 - 2,800 rpm

## ADVANCED TECHNOLOGY

- Emissions: Euro IV - exceeds ADR80/02
- Driver airbag with seatbelt pretensioner
- Anti-lock Braking System (ABS)
- Anti Skid Regulator (ASR)
- Hill Start Aid (HSA)
- Electric mirrors
- Independent front coil suspension



**RELIABILITY IS EVERYTHING ISUZU**

## Driveline & Chassis Specifications

### ENGINE: SITEC SERIES II 150 (ISUZU 4JJ1-TCS)

**Type:** 4 cylinder 16 valve with chain driven DOHC  
**Displacement:** 2,999 cc  
**Compression ratio:** 17.5:1  
**Bore x Stroke:** 95.4 mm x 104.9 mm  
**Max power (DIN - NET):** 110 kW (148 HP) @ 2,800 RPM  
**(JIS Gross):** 114 kW (153 HP) @ 2,800 RPM  
**Max torque (DIN - NET):** 375 Nm (277 lb.ft) @ 1,600 - 2,800 RPM  
**(JIS Gross):** 388 Nm (286 lb.ft) @ 1,600 - 2,800 RPM  
**Induction system:** Electronically controlled variable nozzle turbocharger with air-to-air intercooler.  
**Fuel injection:** Direct injection high pressure common rail system.  
**Emission control system:** Two-stage cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/02 (Euro IV) compliant.

### CLUTCH

- Auto adjusting hydraulic control with vacuum assistance. Single plate 300 mm diameter.
- Total lining area: 847 cm<sup>2</sup>

### TRANSMISSION

#### ISUZU MYY-5T

- 5 speed manual. Syncromesh on gears 1-5.

#### Gear ratios (:1)

1st	2nd	3rd	4th	5th	Rev
5.315	3.053	1.655	1.000	0.721	5.068

### AXLES

#### Front: Isuzu FI026

- Fully independent wishbone. 2,600 kg capacity.

#### Rear: Isuzu R045

- Full floating Banjo type. Four differential pinions. 4,500 kg capacity.
- Drive ratio: 4.556:1

### SUSPENSION

#### Front:

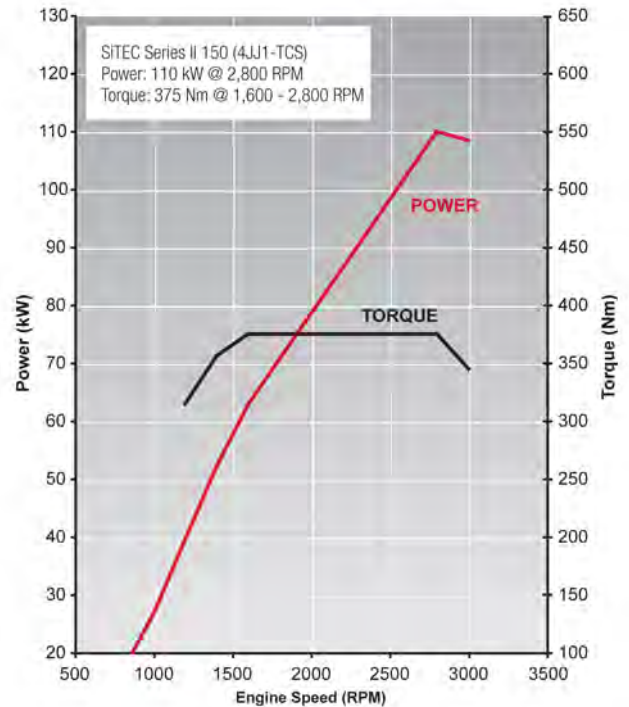
- Coil springs.
- Double acting hydraulic shock absorbers.

#### Rear:

- Multi leaf main spring, multi leaf helper spring.
- Double acting hydraulic shock absorbers.

### BRAKES

- Auto adjusting front disc and rear drum brakes with dual circuit hydraulic control, vacuum assistance and electronic brake force distribution (EBD).
- ABS and ASR traction control.
- Hill Start Aid (HSA).
- Front disc diameter: 265 mm
- Rear drum size: 290 x 75 mm
- 190 mm diameter drum park brake mounted on rear of transmission.
- Vacuum controlled exhaust brake.



### STEERING

- Power assisted rack and pinion.
- Turns lock to lock: 4.2
- Maximum angle: 38° (inside wheel) / 34° (outside wheel)

### WHEELS AND TYRES

- 16 x 5.5J five stud steel wheels.
- 195/75R16C 107/105R Michelin Agilis Tubeless.
- Maximum tyre rating  
Steer axle: 1,950 kg  
Drive axle: 3,700 kg
- 1 frame mounted spare wheel and tyre assembly.

### CHASSIS FRAME

- Cold rivetted ladder frame. SAPH440 weldable steel sidemembers.
- Frame dimensions:  
Side rail (mm): 180 x 65 x 4.0  
Rear frame width (mm): 700

## TIPPER BODY

- All steel body with drop sides. Auto release removable tailgate.
- Auto release body lockdown hook.
- Shovel rack. LHS and RHS rope rails. Non-slip side steps.
- 20 second raise / 20 second lower time.
- Cubic volume: 2.0 m<sup>3</sup>
- Deck plate thickness: 3.2 mm
- Side / front / tail plate thickness: 2.3 mm

## FUEL TANK

- Frame mounted 75L steel fuel tank.
- Lockable fuel cap.

## ELECTRICAL SYSTEM

- 24 volt electrical system.
- 50 amp alternator.
- 4.0 kW starter motor.
- 2 x 80D26L (630 CCA) batteries connected in series.

## Cabin Specifications and Appointments

### CAB EXTERIOR

- All steel construction. High tensile steel used for cab underframe. Manual cab tilt to 45° with torsion bar assistance.
- Heavy duty non slip entry steps.
- 90° opening internally reinforced front doors.
- Water spray suppression guards and front mudflaps.
- Laminated windscreen with shade band.
- Two speed windscreen wipers with intermittent wipe mode.
- Halogen multi-reflector headlamps incorporating turn signals. Additional door mounted side indicator lamps.
- Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Reverse alarm.
- Heated and powered exterior main mirrors with flat glass and additional independently adjustable convex "spot" mirrors.
- Body coloured grille.
- Body coloured impact resisting polycarbonate bumper with steel backing frame.

### CAB INTERIOR

- Contoured adjustable driver's bucket seat.
- Front passenger bench seat with 2 seat capacity.
- 3-point lap sash seatbelts in all outboard seating positions. Driver seatbelt fitted with pretensioner. Centre seat lap belts.
- Driver airbag.
- Door and roof pillar entry assist grips.
- Full interior trim, padded roof lining and vinyl floor covering. Driver and passenger windscreen header storage shelf.
- Tilt/Telescopic adjustable steering column, soft feel urethane steering wheel.
- Electric windows.
- Central locking with remote keyless entry and immobiliser.
- Twin cup holders. 24V cigarette lighter. Dashboard hook.
- Front door mounted storage pockets and driver's side ashtray.
- Front passenger glovebox.
- Fully integrated air conditioning and heater/demister with 4-speed fan and outlets for windscreen, side windows, face and floor.

- Interior lamp with On/Door/Off switch.
- 2 DIN, two speaker radio/CD multimedia unit with 4.8" LCD touch screen and Bluetooth. Provision for SD card, USB and 3.5 mm plug inputs.
- DIN sized compartment for storage or for CB radio installation.

### DRIVER CONTROLS

- Key-operated engine start/stop and steering lock. Engine idle speed control.
- HSA slow/fast engagement control and on/off switch.
- ASR on/off.
- DPD regeneration.
- **Left side combination stalk:** Windscreen wipers, washers and exhaust brake.
- **Right side combination stalk:** Turn signals and headlamps.
- Tip body raise and lower lever with safety release mechanism.

### INSTRUMENTATION

- Electronically driven speedometer and tachometer. Digital odometer with integrated dual tripmeter. Engine coolant temperature and fuel level gauges.
- **Warning lamps:** Check engine, oil pressure, ABS, SRS airbag, alternator charge, service brakes, park brake, seatbelt unfastened, low fuel level.
- **Indicator lamps:** HSA, warm up system, high beam, ASR, DPD status, exhaust brake, turn signals, PTO engaged.

### OPTIONS AND GENUINE ACCESSORIES

Include the following (extra cost, request a brochure and further details from your Isuzu dealer):

- Satellite navigation - integrates with multimedia unit and includes NAVTEQ mapping.
- Airbag compatible bullbar.
- 2,500 kg rated towbar.

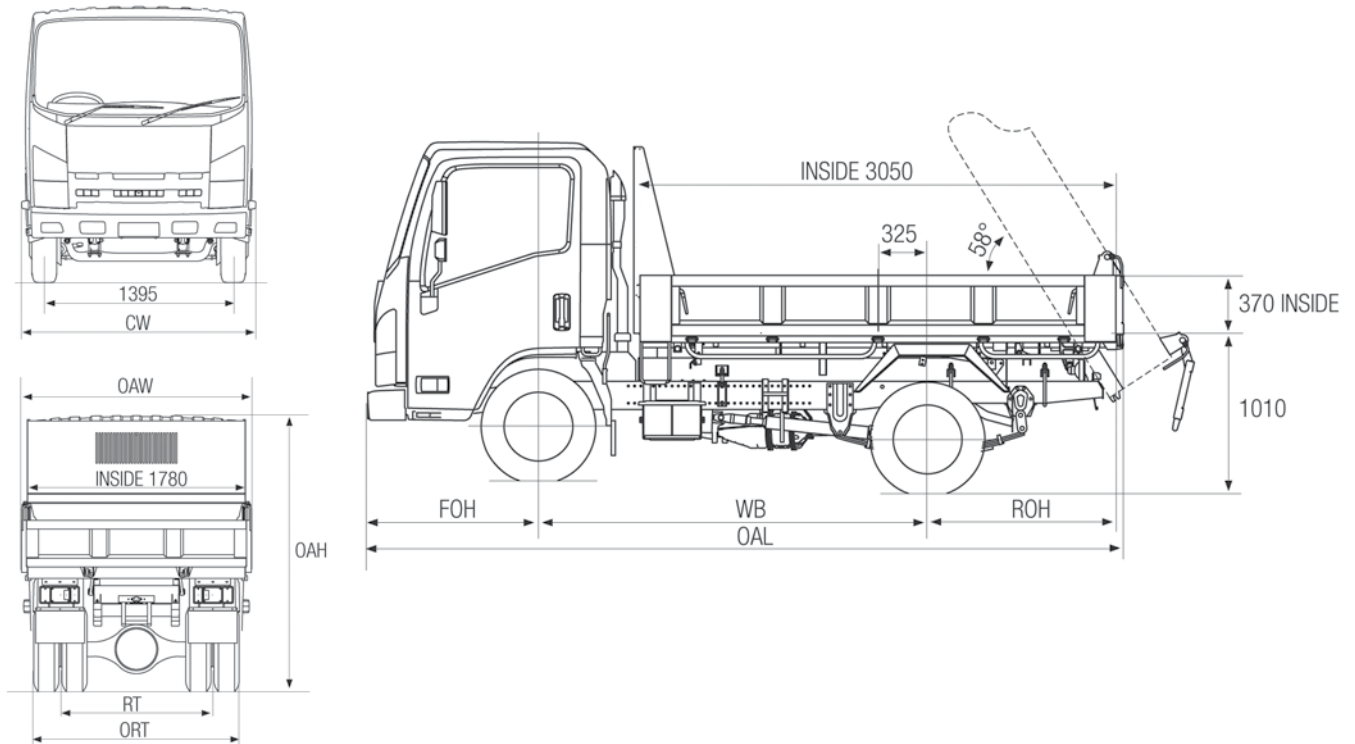
### Weights (kg)

Models	Ratings*		Loading Limit* (at ground)		Cab Chassis Mass#		
	GVM	GCM	Front	Rear	Front	Rear	Total
NLR 200 Tipper	4,500	7,000	1,950	3,700	1,535	1,110	2,645

Maximum Gross Trailer Mass: 750 kg (unbraked), 2,500 kg (braked). \* Vehicle ratings and front/rear weight limits are subject to government regulatory requirements and weight distribution analysis. Consult your Isuzu dealer to select the correct vehicle for your specific application. # Cab chassis only as supplied and including 10 litres of fuel.

### Dimensions (mm)

Models	WB	OAL	OAW	OAH	FOH	ROH	RT	ORT	CW	Turn Circle (m)
										KERB TO KERB
NLR 200 Tipper	2,490	4,830	1,875	2,140	1,095	1,200	1,240	1,670	1,770	8.9



### Performance (calculated - typical paved road)

		Geared Speed* (top gear at peak power engine RPM)	Low Speed Gradeability (lowest forward gear assuming no wheel slip)	Engine Speed (top gear at 100 km/h)
NLR 200 Tipper	At 4,500 kg GVM	108 km/h @ 2,800 RPM	55%	2,590 RPM

\* Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information.

### Isuzu Warranties

STANDARD <sup>1</sup>		
New Vehicle	3 years   100,000 km   2,000 hrs	
Cab Perforation Corrosion	3 years   Unlimited km	
EXTENDED <sup>2</sup>		
4 years   200,000 km	5 years   250,000 km	6 years   300,000 km

<sup>1</sup> Subject to the conditions outlined in the IAL New Vehicle Warranty, the Isuzu NLR model carries a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 36 months or 100,000 km or 2,000 hrs (whichever comes first). (ii) against cab perforation corrosion, for 36 months and unlimited kilometres. <sup>2</sup> Extended Warranty as illustrated is available by purchase to cover the owner against the failure of original components, but may exclude some components and expendable items such as oil, filters, etc. Please consult with your Isuzu Dealer for full details obtained from a dedicated brochure available to customers.

### Order Codes

Model	Code
NLR 200 Tipper	NH-NLRBA-A01

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