

# ISUZU

# NPS 250 4x4/ NPS 300 4x4



NPS 300 pictured

## ISUZU

**ASSIST**

24 hour (3 year) Isuzu Assist program standard on all new Isuzu N Series models (refer to your Isuzu Dealer for details).

### AT A GLANCE

GVM	4,490 – 6,000 kg
GCM	7,990 – 9,500 kg
Engine Type	Isuzu SiTEC 150
Displacement	5.2 L
Power	110 kW @ 2,600 rpm
Torque	404 Nm @ 1,500 – 2,600 rpm
Wheelbase	3,400 mm

# Driveline and Chassis Specification

## Engine SiTEC 150 (ISUZU 4HK1-TCN)

**Type:** 4 cylinder 16 valve SOHC direct injection diesel.  
Turbocharged and air-to-air intercooled.  
Adjustable roller type rocker arms.

**Displacement:** 5,193 cc  
**Compression Ratio:** 18.5:1  
**Bore x Stroke:** 115 x 125 mm  
**Max power (80/1269/EEC-NET):** 110 kW (148 HP) @ 2,600 RPM  
**Max torque (80/1269/EEC-NET):** 404 Nm (298 lb.ft) @ 1,500 – 2,600 RPM  
**Emissions Standard:** ADR 80/00 (Euro III)

### Lubrication System

- Plate type cooler. 13 L capacity. Combined full flow main and bypass filter.

### Cooling System

- 6 blade, 440 mm diameter cooling fan with thermostatically controlled viscous clutch. Dual drive belts and thermostats.
- Radiator frontal area: 3,227 cm<sup>2</sup>
- Coolant capacity: 14 L

### Air Intake System

- Vertical air intake mounted on back of cab. 220 x 320 mm air cleaner element.
- 500 x 370 mm air-to-air intercooler.

### Fuel System

- Denso common rail fuel injection. Combined fuel filter and water separator.
- 125 L steel tank.

## Clutch

- Auto adjusting hydraulic control.
- Single plate 325 mm diameter.
- Total lining area: 966 cm<sup>2</sup>

## Transmission

### Isuzu MYY-5T

- 5 speed manual.
  - Synchromesh on gears 1-5
  - PTO provision on LHS of transmission case. PTO drive from counter gear.
  - Gear ratios (: 1)
- | 1st   | 2nd   | 3rd   | 4th   | 5th   | Rev   |
|-------|-------|-------|-------|-------|-------|
| 5.315 | 3.053 | 1.655 | 1.000 | 0.721 | 5.068 |

## Transfer Gearbox

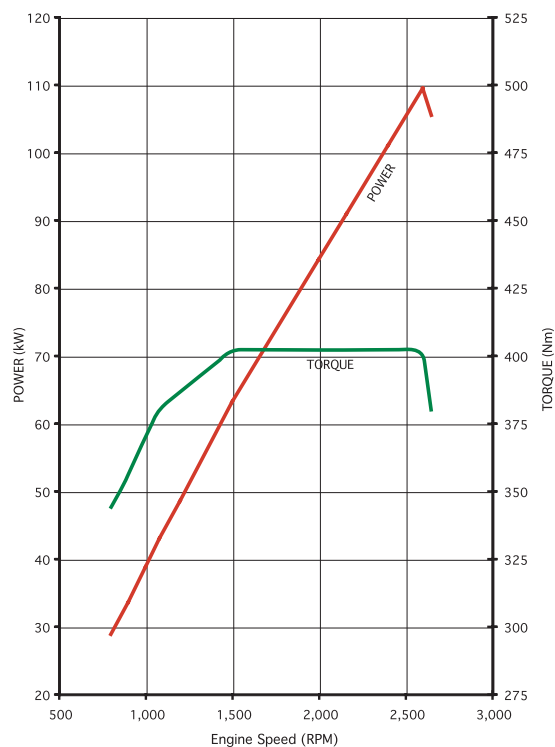
- High ratio: 1.00:1, Low ratio: 1.842:1
- Part time 4WD.

## Axles

### Front: Isuzu FDo26

- Full floating, Banjo type. Birfield outer joints and manual lock front hubs. 2,600 kg capacity.
- Drive ratio: 5.125:1

SiTEC 150  
Maximum Power : 110 kW @ 2,600 RPM  
Maximum Torque : 404 Nm @ 1,500-2,600 RPM



ISUZU SiTEC 150 (4HK1-TCN) ENGINE PERFORMANCE CHART

### Rear: Isuzu Ro40

- Full floating Banjo type. Four pinion limited slip differential. 4,000 kg capacity.
- Drive ratio: 5.125:1

## Suspension

### Front

- Single stage alloy steel multi-leaf springs.
- Nominal size: 1,300 x 70 mm.
- Total spring capacity (at ground): 3,010 kg.
- Double acting hydraulic shock absorbers. Stabiliser bar.

### Rear

- Multi-leaf main spring, multi-leaf helper spring.
- Nominal size: 1,300 x 70 mm.
- Total spring capacity (at ground): 4,510 kg.
- Double acting hydraulic shock absorbers.

## Brakes

- Front and rear drum brakes with dual circuit hydraulic control, vacuum assistance and load sensing proportioning valve.
- Front drum diameter: 320 mm.
- Rear drum diameter: 320 mm.
- 190 mm diameter drum park brake mounted on rear of transmission.
- Vacuum controlled exhaust brake.

**NPS 250 4x4**  
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## Wheels and Tyres

- 17.5 x 6.00 Six stud wheels.
- 8.5R 17.5TL 121/120L Michelin XZY Tubeless.
- Maximum tyre rating: 1,450 kg per tyre (single tyres),  
1,400 kg per tyre (dual tyres).
- 1 frame mounted spare wheel and tyre assembly.

## Axle Load Summary

	Front	Rear
Axle Capacity (kg):	2,600	4,000
Spring Capacity (kg):	3,010	4,510
Tyre Capacity (kg):	2,900	5,600
<b>Limit (kg):</b>	<b>2,600</b>	<b>4,000</b>

Note: Vehicle loading limit is determined by the combination of axle loading limit, GVM and GCM limit, and government regulatory requirements. Consult your Isuzu dealer to select the correct vehicle for your specific application.

## Steering

- Power assisted recirculating ball steering.
- Gear ratio: 20.9:1
- Turns lock to lock: 3.7

## Chassis Frame

- Cold riveted ladder frame. JIS-SAPH440 weldable steel.
- Frame dimensions  
Side rail (mm): 203 x 65 x 6.0  
Rear frame width (mm): 750

## Electrical System

- 24 Volt electrical system.
- 24 Volt, 60 Amp alternator.
- 24 Volt, 4.5 kW starter motor.
- 2x 80D26R (582CCA) batteries connected in series.

# Cabin Specifications and Appointments

## Cab Exterior

- All steel cab with side door impact door protection beams. Outer body panels galvanised and treated with corrosion resistant primer.
- Cab built to comply with ECE-R29 crash safety tests.
- Manual cab tilt to 45°.
- Access to fluid checkpoints without tilting cab.
- Four point tuned rubber cab mounting.
- Body coloured steel front bumper.
- Heavy duty non slip entry steps.
- 90° opening internally reinforced doors.
- Water spray suppression guards, and front mudflaps.
- Laminated windscreen.
- Two speed windscreen wipers, with intermittent wipe mode.
- Single piece halogen multi-reflector headlamps incorporating turn signals.
- Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm.
- Roof-mounted clearance lamps.
- "West Coast" type rear view mirrors. Large flat mirror glass with additional, independently adjustable convex "spot" mirror on both sides.

## Cab Interior

- Wide contoured driver's bucket seat, lumbar support, reclining back, fore-aft adjustment. Two person passenger bench seat, with folding seat back. Seat tilts for access to engine. Durable, fire resistant cloth seat facing.
- 3-point, lap sash seatbelts with emergency locking belt retractors in all outboard seating positions.
- Door and "A" pillar entry assist grips.
- Full interior trim, padded roof lining, and vinyl floor mats. Windscreen header storage shelf.

- Tilt/Telescopic adjustable steering column, soft feel urethane steering wheel.
- Electric windows.
- Central locking with remote keyless entry.
- Twin cup holders. Cigarette lighter.
- Centre console box with two storage trays. Fold down storage tray behind centre seat backrest.
- Standard fully integrated air conditioning and heater/demister with 4-speed fan and outlets for windscreen, side windows, face and floor.
- Fore-aft adjustable roof vent.
- Interior lamp with On/Door/Off switch activated by either door.
- Two speaker radio/CD player with clock. CD player compatible with standard (WAV)/MP3/WMA music file types.
- Optional 10 stack CD player.
- DIN sized compartment below radio for storage or for CB radio installation.

## Driver Controls

- Key-operated engine start/stop and steering lock. Engine idle speed control.
- **Left side combination stalk:** Windscreen wipers, washers and exhaust brake.
- **Right side combination stalk:** Turn signals and headlamps.
- Separate stalk for 4WD High/Low selection.

## Instrumentation

- **Gauges:** Electronically driven speedometer and tachometer. Digital odometer with integrated dual tripmeter. Engine coolant temperature and fuel level gauges.
- **Warning lamps:** Low battery charge, brake failure, low fuel level, glow plug/engine malfunction, low oil pressure, water separator.
- **Indicator lamps:** Turn signals, parking brake, high beam, exhaust brake engaged, 4WD engaged.

