



<b>Model</b>	<b>NPS250/300 4x4</b>
<b>GVM</b>	<b>4,490/6,000kg</b>
<b>GCM</b>	<b>7,990/9,500kg</b>
<b>Engine Type:</b>	<b>Isuzu SiTEC 115</b>
<b>Displacement:</b>	<b>4,570 cc</b>
<b>Power*:</b>	<b>85 kW @ 3,200 RPM</b>
<b>Torque*:</b>	<b>291 Nm @ 1,600 RPM</b>



Cab/Chassis specification as at August 2002

## CABIN SPECIFICATIONS AND APPOINTMENTS

### CABIN EXTERIOR

- All steel fixed cabin with manual tilting to 45°.
- Extended front wheel arch spray suppression guards.
- 90° opening, internally reinforced front doors.
- Non slip, aluminium (upper) and steel (lower) cabin entry steps.
- "West Coast" type rear view mirrors. Flat mirror glass with additional, independently adjustable convex "spotter" mirror on both sides.
- Easy access to fluid check points.
- Tinted and laminated windshield.
- 2-speed windshield wiper system with intermittent wipe mode.
- Windshield washer system with triple washer jets on each wiper arm.
- Single-piece headlamps, incorporating turn signals.
- Roof-mounted clearance lamps.

### CABIN INTERIOR

- Entry assist handles on 'A' pillars.
- Passenger side assist grip.
- Driver's bucket seat with reclining back and fore-aft adjustment. 2-person passenger bench seat with split, folding seat backs. Seat cushion tilts for access to engine. Flat tray on back of centre and passenger seats. Paper clip on centre seat tray. Fire resistant cloth seat facings.

- 3-point, lap-sash seatbelts with emergency locking belt retractors in outboard seating positions. 2-point lap seatbelt in centre seating position.
- Driver and passenger fold-down sun visors.
- Interior rear-vision mirror.
- Full interior panel trim with padded roof lining and vinyl floor mats. Centre storage console.
- Windscreen header storage shelf.
- "Glove" compartment with door.
- "Soft feel" urethane steering wheel.
- Steering column with tilt and telescopic adjustment.
- Heater / Demister with 4-speed fan and windscreen, face and floor outlets.
- Optional fully integrated air conditioning.
- Electric windows.
- Central locking with remote keyless entry.
- Fore-aft adjustable roof vent.
- Steering column with tilt and telescopic adjustment.
- AM / FM Stereo Radio / Cassette with integrated digital clock.
- Optional 10 stack CD player.
- Centre fascia pull-out drinks holder.
- Easy access fuse panel (behind glove compartment door).
- Windshield washer reservoir under glove compartment.
- Centre fascia and driver's door ashtrays.
- Interior lamp with On / Door / Off switch, activated by either door.

### CONTROLS

- Key-operated engine start / stop and steering lock. Engine fast-idle vernier. 2WD / 4WD selection switch.
- Transfer case ratio selection lever on LHS of steering column.
- Left Side Combination Stalk: Windshield wipers and washer; exhaust brake.
- Right Side Combination Stalk: Turn signals; position, main and high beam lamps. Hazard flash switch.
- Additional interior lamp switch on instrument panel adjacent to driver's door.

### INSTRUMENTATION

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

### TOOLS

- Chassis frame mounted spare wheel and tyre winch. Wheel changing tools including 5,000 kg capacity hydraulic jack. Hand tools in kit bag.

## ISUZU NEW TRUCK WARRANTIES

STANDARD TRUCKPOWER WARRANTY*		
<b>NEW VEHICLE</b>	3 years	100,000km
<b>DRIVETRAIN</b>	3 years	100,000km
<b>CAB CORROSION</b>	3 years	unlimited

\* Subject to the conditions outlined in the I-GM New Vehicle Warranty, the Isuzu NKR models carry a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 36 months or 100,000km (whichever comes first) (ii) for the drivetrain, which runs concurrently, for 36 months or 100,000km (whichever comes first) (iii) against cab corrosion, for 36 months and unlimited kilometres.

**ISUZU**  
RELIABILITY IS EVERYTHING

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## DRIVELINE SPECIFICATIONS

### ENGINE: SITEC 115 (ISUZU 4HG1)

**Type:** 4 cylinder, 4 stroke, overhead camshaft, direct injection diesel.

**Bore x Stroke:** 115 mm x 110 mm

**Displacement:** 4,570 cc

**Compression Ratio:** 19.0:1

**Output Power\*:** 85 kW @ 3,200 RPM

**Torque\*:** 291 Nm @ 1,600 RPM

**Emissions Standard:** Euro 1/ADR 70

\* Engine performance to EEC 80/1269 (Nett).

- Integral engine oil cooler.
- Separate full-flow and bypass engine oil filters.
- Bosch 'A' type fuel injection pump with 'RLD' all-speed governor. Quick-start glow plug cold starting aid.

### COOLING SYSTEM

- Pressurised cooling system. Tube and corrugated fin type radiator with 2,447 cm<sup>2</sup> frontal area.
- Welded steel mesh radiator brush guard.
- 10-blade, plastic, 430 mm diameter cooling fan with thermal / viscous type clutch.

### AIR INTAKE SYSTEM

- Chassis mounted, cartridge type, 197 mm diameter air filter. Vertical air intake stack and resonator mounted at cabin rear.

### EXHAUST SYSTEM

- Horizontal exhaust silencer. Chassis mounted, vertical exhaust stack.

### FUEL SYSTEM

- Cylindrical, steel fuel tank with 115 litre liquid capacity and 10 litre expansion space. Total: 125L
- Fuel / water separator with warning lamp.
- Single stage fuel filter.

### CLUTCH

- Hydraulically actuated, 300 mm diameter, dry single plate with 8 coil cushioning springs, single diaphragm pressure spring. Asbestos free clutch lining material. Total lining area 847 cm<sup>2</sup>.
- Automatic clutch adjuster.

### TRANSMISSION: ISUZU MXA-5R:

- 5 forward speeds including overdrive, 1 reverse speed, synchromesh on all gears. P.T.O. opening left hand side.

**Gear Ratios:**

1st	2nd	3rd	4th	5th	Rev
4.987:1	2.870:1	1.594:1	Direct	0.728:1	4.774:1

- 2-speed transfer case integral with transmission. Electro-vacuum 2WD / 4WD selection and lever / cable operated ratio selection mechanisms. Transfer Case Ratios: Low: 1.868:1 High: Direct

- Maximum Geared Speed: 111 km/h @ 3,400 RPM
- 2-piece rear propeller shaft with 82.6 mm tube diameter.
- Single piece forward propeller shaft with 82.6 mm tube diameter and Hookes type constant velocity universal joint.

### FRONT AXLE: ISUZU F026

- Banjo type housing with full floating drive shafts and Birfield type constant velocity steering joints. Remote, high mount axle breather. Free-wheeling, manual locking type hubs.
- Rated capacity: 2,600kg.

### REAR AXLE: ISUZU R040

- Banjo type with full floating axle shafts. Remote, high mount axle breather.
- Axle tube size: 106 mm x 106 mm x 6 mm
- Rated capacity: 4,000 kg
- Single reduction, hypoid gearing with 292 mm ring gear and viscous type limited slip, 4-pinion differential. Drive ratio: 6.142:1

## CHASSIS SPECIFICATIONS

### CHASSIS FRAME

- [ section rails with cold rivetted cross members forming ladder type frame.
- Rail dimensions:  
Web mm: 203 x 6.0  
Flanges mm: 65 x 6.0
- Frame width: 750 mm

### SUSPENSION

#### FRONT

- Alloy steel, multi-leaf springs with fully wrapped eye and metalastic bushes. Nominal size: 1,200 mm x 70 mm
- Hydraulic, double acting, telescopic shock absorbers.
- Stabiliser bar.

#### REAR

- Alloy steel, multileaf, two-stage springs. Fully wrapped main spring eyes with metalastic bushes.
- Nominal spring lengths:  
Main spring: 1,300 mm x 70 mm  
Auxiliary spring: 850 mm x 70 mm
- Hydraulic, double acting, telescopic 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
- Slave cylinder / shoe types:  
Front: Dual two leading, manual adjust.  
Rear: Dual two leading, manual adjust.
- Asbestos free brake linings.
- Lining size (per wheel end):  
Front: 2 x 307 mm x 75 mm x 9.6 mm  
Rear: 2 x 335 mm x 100 mm x 11.0 mm
- Electro-vacuum controlled, butterfly type, 70 mm diameter exhaust brake.
- Drum parking brake on transmission output shaft. Control lever floor-mounted LHS of drivers seat.

### STEERING

- Integral power assisted, recirculating ball type steering. Lube-for-life drag link. Gear driven, vane type oil pump.
- Gear ratio: 20.9:1
- Turns lock to lock: 3.7

### WHEELS AND TYRES

- 6.00GS x 16 JIS 6 stud disc wheels.
- Tyre size: 7.50R16.
- Total of 7 wheels and tyres supplied including 1 spare wheel and tyre assembly.

### ELECTRICAL SYSTEM

- Batteries: 2 x 12 Volt / 65 Amp-Hour batteries in series for 24 Volt, negative ground system.
- Alternator: Hitachi 24 Volt / 50 Amp brushless type.
- Starting Motor: Hitachi 24 Volt / 4.0 kW reduction geared type.
- Rear brake, turn, reverse and marker lamp assemblies and rear registration plate lamp with additional wiring lengths. Reversing alarm.

## MODEL RATINGS AND DIMENSIONS

### TOWING CAPACITY

750kg (Unbraked trailer)

3,500kg (Braked trailer)

MODELS	RATINGS		TARE MASS#			DIMENSIONS (mm)										TURNING CIRCLE
	GVM	GCM	TOTAL	FRONT	REAR	WB	OAL	FOH	ROH	CA	CE	CW	CH	FFH LADEN	RFH LADEN	KERB TO KERB
NPS250 4x4	4,490kg	7,990kg	2,630kg	1,750kg	880kg	3,400	5,955	1,060	1,495	2,660	4,340	1,995	2,470	935	825	14.0m
NPS300 4x4	6,000kg	9,500kg														

# Estimated mass of cab/chassis with oil, water and fuel tank containing 10 litres of fuel and including spare wheel and tools.

