

# ISUZU

## NPS 250 4x4

## NPS 300 4x4



**ISUZU**  
RELIABILITY IS EVERYTHING

### AT A GLANCE

GVM	4,490 - 6,000 kg
GCM	7,990 - 9,500 kg
Engine Type	Isuzu SiTEC 140
Displacement	4.8 L
Power	103 kW @ 2,800 rpm
Torque	363 Nm @ 1,200 - 1,400 rpm
Wheelbase	3,400 mm

## DRIVELINE & CHASSIS SPECIFICATIONS

### **ENGINE: SiTEC 140 (ISUZU 4HE1-XN)**

Type: 4 cylinder, 4 stroke, SOHC, direct injection diesel.  
Turbocharged and air-to-air intercooled.  
Adjustable roller type rocker arms.  
Variable swirl system.

Displacement: 4,751 cc

Compression Ratio: 17.3:1

Bore x Stroke: 110 x 125 mm

Max power (DIN NET): 103 kW @ 2,800 RPM

Max torque (DIN NET): 363 Nm @ 1,200 - 1,400 RPM

Emissions Standard: ADR 80/00 (USEPA 1998)

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

### **COOLING SYSTEM**

- 6 blade, 440 mm diameter cooling fan with thermostatically controlled viscous clutch. Dual drive belts and thermostats. Radiator frontal area: 3,717 cm<sup>2</sup>. 12.5 L coolant capacity.

### **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**

- Zexel MI-TICS mechanically integrated in line injection pump. Fuel/water separator with warning lamp.
- 125 L steel tank.

### **CLUTCH**

- Self adjusting hydraulic control. Single plate 300 mm diameter.
- Asbestos free lining material.
- Total lining area: 847 cm<sup>2</sup>.

### **TRANSMISSION**

#### **ISUZU MYY-5T 5 Speed manual**

- 5 forward speeds including overdrive.
  - Synchromesh on all forward gears.
  - 2.8 L oil capacity.
  - 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 FD026**

- Full floating, Banjo type. Birfield outer joints and manual lock front hubs. 2,600 kg capacity
- Drive ratio: 5.571:1

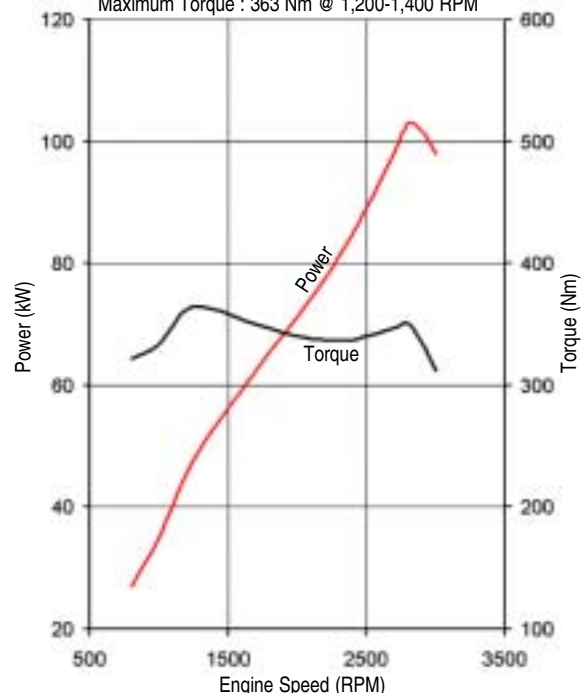
#### **REAR: ISUZU R040**

- Full floating Banjo type. Four pinion limited slip differential. 4,000 kg capacity.
- Drive ratio: 5.571:1

SiTEC 140

Maximum Power : 103 kW @ 2,800 RPM

Maximum Torque : 363 Nm @ 1,200-1,400 RPM



ISUZU SiTEC 140 (4HE1-XN) ENGINE PERFORMANCE CHART

### **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**

- Two stage, alloy steel, multi-leaf springs.
- Nominal size: 1,300 x 70 mm
- Total spring capacity (at ground): 4,500 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
- Swept area: 3,519 cm<sup>2</sup>
- Asbestos free lining material.
- 190 mm diameter drum park brake mounted on rear of transmission.
- Vacuum controlled exhaust brake.

### **STEERING**

- Power assisted recirculating ball steering.
- Gear ratio: 20.9:1
- Turns lock to lock: 3.7
- 38° wheel cut angle (inside wheel).

## **WHEELS AND TYRES**

- 6.00J x 17.5 Six stud wheels.
- 8.5R 17.5TL Michelin XZY Tubeless tyres.
- 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	4,500
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.

## **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, 50 Amp alternator.
- 24 Volt, 4.5 kW starter motor.
- 2x 80D26R (582CCA) batteries connected in series.

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# **CABIN SPECIFICATIONS AND APPOINTMENTS**

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## **CAB EXTERIOR**

- All steel cab, side door impact protection beams. Outer body panels galvanised, corrosion resistant primer treated cab.
- 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 impact resisting polycarbonate front bumper, steel backing frame.
- Heavy duty aluminium non slip entry steps.
- 90° opening internally reinforced door.
- Water spray suppression guards, front mudflaps.
- Laminated windscreen.
- 2 speed windscreen wiper system, intermittent wipe mode, triple washer jets.
- Single piece halogen 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, 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 panel trim, padded roof lining, 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.
- Centre console box with two storage trays. Fold down storage tray behind centre seat backrest.
- Heater/Demister with 4-speed fan and outlets for windscreen, side windows, face and floor.
- Fore-aft adjustable roof vent.
- Standard fully integrated air conditioning.
- Interior lamp with On/Door/Off switch activated by either door.
- Two speaker Eurovox Radio/CD player with digital anti skip memory.
- 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, 4WD engaged.

