

Model:	NQR 450
GVM:	8,500kg
GCM:	12,000kg
Engine type:	Isuzu SiTEC145
Displacement:	4,751cc
Power:	107kW@2,300RPM
Torque:	451Nm @2,000 – 2,200RPM



Cab/Chassis specification as at July 2001

CABIN SPECIFICATIONS AND APPOINTMENTS

CAB EXTERIOR

- All steel cabin with manual tilting to 45°.
- Extended front wheel arch spray suppression guards.
- 90° opening, internally reinforced doors.
- Aluminium, non-slip entry steps.
- "West Coast" type rear view mirrors. Flat mirror glass with additional, independently adjustable convex "spot" mirror on both sides.
- Access to fluid check points without tilting cab.
- Tinted and laminated windshield.
- 2-speed windshield wiper system with intermittent wipe mode. Windshield washer system with triple washer jets on each wiper arm and automatic wiper start and stop.
- Single-piece headlamps, incorporating turn signals.
- Roof-mounted clearance lamps.

OPTIONAL CUSTOM CAB

FEATURES REPLACING OR ADDITIONAL TO STANDARD CAB FEATURES:

- Chrome radiator grille.
- Chrome headlamp surrounds.
- Gold 'Custom' badging and emblem.
- Gold ISUZU badge.
- Distinctive interior trim throughout
- 'Shukra' drivers seat with lumbar support adjustments.
- Full carpet to cab floor.
- Passenger side adjustable headrest.
- 6 stack CD player.
- Power windows
- Power door locks with keyless entry.
- Bumper-mounted foglamps.

CAB 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.
- Fore-aft adjustable roof vent.
- Optional fully integrated air conditioning.
- AM / FM Stereo Radio / Cassette with integrated digital clock.
- Optional 6 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.
- 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: Speedometer, odometer, trip meter and tachometer. Gauges for coolant temperature, fuel level and brake air pressure.
- WARNING LAMPS: With warning bulb check switch. Battery charge, oil pressure, low air pressure, brake system, stop and tail light failure.
- INDICATOR LAMPS: Turn signals, parking brake on, high beam on, exhaust brake engaged. Reversing lamp and beeper.

TOOLS

- Chassis frame mounted spare wheel and tyre winch. Wheel changing tools including 5,000 kg capacity hydraulic jack. Hand tools in kit bag.
- Externally mounted tool box with foam insert to support jack.

ISUZU NEW TRUCK WARRANTIES

	STANDARD TRUCKPOWER WARRANTY*		TRUCKPOWER EXTENDED WARRANTY OPTIONS#		
NEW VEHICLE	2 years	50,000km	3 years / 100,000km	4 years / 150,000km	5 years / 200,000km
DRIVETRAIN	3 years	100,000km			
CAB CORROSION	3 years	unlimited			

* Subject to the conditions outlined in the I-GM New Vehicle Warranty, the Isuzu NQR models carry a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 24 months or 50,000km (whichever comes first) (ii) for the powertrain, which runs concurrently, for 36 months or 100,000km (whichever comes first) (iii) against cab corrosion, for 36 months and unlimited kilometres.

A TruckPower Extended Warranty as illustrated is available by purchase to cover the owner against the failure of original components, but excludes some components and expendable items such as oil, filters, etc. Please consult with your Isuzu Dealer for full details obtainable from a dedicated brochure available to customers.

ISUZU
RELIABILITY IS EVERYTHING

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DRIVELINE SPECIFICATIONS

ENGINE S1TEC 145 (ISUZU 4HE1-XS)

Type: 4 cylinder, 4 stroke, overhead camshaft, turbocharged and intercooled, direct injection diesel.

Bore x Stroke: 112 mm x 125 mm

Displacement: 4,751 cc

Compression Ratio: 17.3:1

Output Power*: 107 kW @ 2,300 RPM

Torque*: 451 Nm @ 2,000-2,200 RPM

Emissions Standard: Euro2

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

- Integral engine oil cooler.
- Separate full-flow and bypass engine oil filters.
- Zexel MI-TICS 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 3,260 cm² frontal area. 10-blade, plastic, 430 mm diameter cooling fan with thermatic / viscous type clutch.

AIR INTAKE SYSTEM

- Chassis mounted, cartridge type, 237 mm diameter Donaldson 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, 325 mm diameter, dry single plate with 9 coil cushioning springs, single diaphragm pressure spring. Asbestos free clutch lining material. Total lining area 966 cm².
- Automatic clutch adjuster.

TRANSMISSION

ISUZU MBP-6P

- 6 forward speeds including overdrive, 1 reverse speed, synchromesh on gears 2-6. P.T.O. opening left hand side.
 - Gear ratios (: 1)
- | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 1st | 2nd | 3rd | 4th | 5th | 6th | Rev |
| 6.378 | 3.627 | 2.239 | 1.452 | 1.000 | 0.787 | 6.595 |
- Maximum Geared Speed: 117 km/h @ 2,800 RPM
 - 2-piece propeller shaft with 90 mm tube diameter.

FRONT AXLE

ISUZU FO31 CAPACITY 3,100KG

- Reverse Elliot I-Beam type. King-pin diameter 30 mm with ball type thrust bearing.

REAR AXLE

ISUZU RO66 CAPACITY 6,600KG

- Banjo type with full floating axle shafts.
- Axle tube size: 116 mm x 106 mm x 7 mm
- Single reduction, hypoid gearin Drive ratio: 4.300:1

CHASSIS SPECIFICATIONS

CHASSIS FRAME

- Parallel [section rails with cold rivetted cross members forming ladder type frame. Top flange of chassis rail is rivetless.
- Rail dimensions:
Web: 216 mm x 6.0 mm
Flanges: 70 mm x 6.0 mm
- Frame width: 850 mm

SUSPENSION

FRONT

- Alloy steel, multi-leaf springs with fully wrapped eye and metalastic bushes. Nominal size: 1,300 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: 1,350 mm x 70 mm
Auxiliary spring: 850 mm x 70 mm

- Hydraulic, double acting, telescopic shock absorbers.
- Stabiliser bar.

BRAKES

- Front and rear drum brakes with dual circuit, boosted pressure, hydraulic control and load sensing proportioning valve.
- Gear driven, vane type hydraulic fluid pressure boost pump with oil-to-air type fluid cooler.
Front Drum Diameter: 320 mm
Rear Drum Diameter: 320 mm
- Slave cylinder / shoe types:
Front: Two leading, manual adjust.
Rear: Dual two leading, manual adjust.
- Asbestos free brake linings.
- Lining size (per wheel end):
Front: 2 x 402 mm x 120 mm x 11.0 mm
Rear: 2 x 402 mm x 120 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 driver's seat.

STEERING

- Integral power assisted, recirculating ball type steering. Lube-for-life drag link. Gear driven, vane type oil pump with oil-to-air type fluid cooler. Gear ratio: 20.9:1
- Turns lock to lock: 4.9

WHEELS AND TYRES

- 6.00J x 17.5, JIS 6 stud single piece disc wheels.
- 215/75R17.5 126/124 M Michelin XZE1 tubeless radial tyres.
- Total of 7 wheels and tyres supplied including 1 spare wheel and tyre assembly.

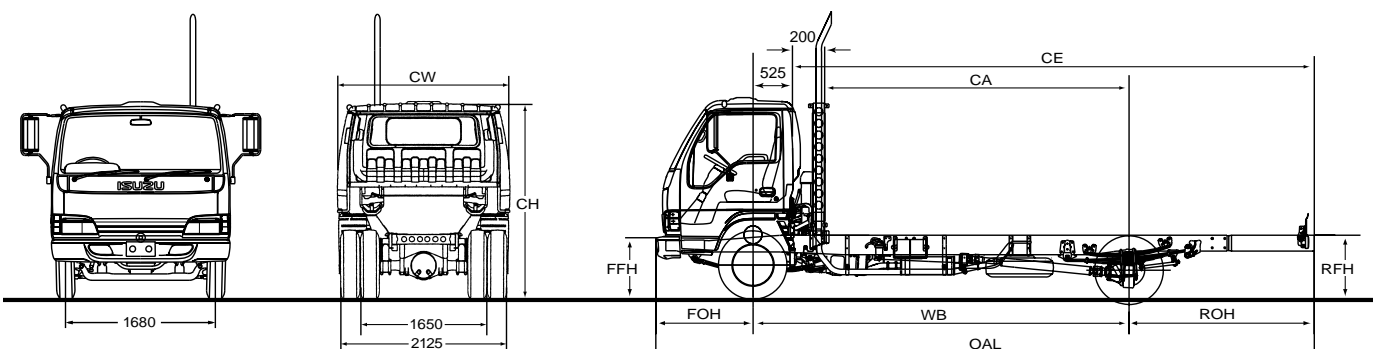
ELECTRICAL SYSTEM

- 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 / 4.5 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

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
NQR 450 Medium	8,500kg	12,000kg	2,660kg	1,775kg	885kg	3,365	5,995	1,085	1,505	2,640	4,345	1,995	2,240	685	795	12.3m
NQR 450 Long	8,500kg	12,000kg	2,720kg	1,805kg	915kg	4,175	7,320	1,085	2,060	3,450	5,710	1,995	2,240	685	795	14.8m

Estimated mass of cab/chassis with oil, water and fuel tank containing 10 litres of fuel and including spare wheel (50kg) and tools (25kg).



For further information regarding Cab/Chassis dimensions your Isuzu Dealer can access detailed Body Builders diagrams from the Isuzu Truck Data Manual.