

ISUZU

SPECIFICATIONS

NQR 450

NQR 450 Crew



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NQR 450

AUSTRALIA'S TOP SELLING TRUCK BRAND SINCE 1989.

AT A GLANCE

GVM	8,700 kg
GCM	12,200 kg
Power	139 kW @ 2,600 rpm
Torque	510 Nm @ 1,600 - 2,600 rpm

UPGRADE OPTIONS

Premium Pack: Automated Manual Transmission (AMT), Instrument panel multi-information display, Cruise control, Auto control for air conditioning, Front foglamps, Chrome grille, Driver suspension seat - except crew and engine access hatch models

ADVANCED TECHNOLOGY

Emissions: Euro V / ADR 80/03	Hill Start Aid (HSA) - except premium pack
Meets EEV emissions standard	Electric mirrors
Driver and passenger airbag with seatbelt pretensioner	Front and rear stabiliser bars
ECE-R29 compliant cab	Driver suspension seat - premium pack, except crew and engine access hatch models
Anti-lock Braking System (ABS)	Cornering lamps
Anti Skid Regulator (ASR)	



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one

ISUZU
RELIABILITY IS EVERYTHING

NQR Medium | Long | Crew

DRIVELINE AND CHASSIS SPECIFICATIONS

ENGINE: SITEC SERIES III 185 (ISUZU 4HK1-TCC)

- Type:** 4 cylinder 16 valve SOHC
Displacement: 5,193 cc
Compression ratio: 17.5:1
Bore x Stroke: 115 mm x 125 mm
Max power (DIN - NET): 139 kW (186 HP) @ 2,600 RPM
(JIS Gross): 144 kW (193 HP) @ 2,600 RPM
Max torque (DIN - NET): 510 Nm (376 lb.ft) @ 1,600 - 2,600 RPM
(JIS Gross): 528 Nm (389 lb.ft) @ 1,600 - 2,600 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: Cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/03 (Euro V) compliant. EEV compliant.

CLUTCH

- Standard model:**
- Auto adjusting hydraulic control with vacuum assistance. Single plate 325 mm diameter.
 - Total lining area: 966 cm²
- Premium Pack:**
- Fully automated hydraulically controlled wet clutch and fluid coupling with lock up.

TRANSMISSION

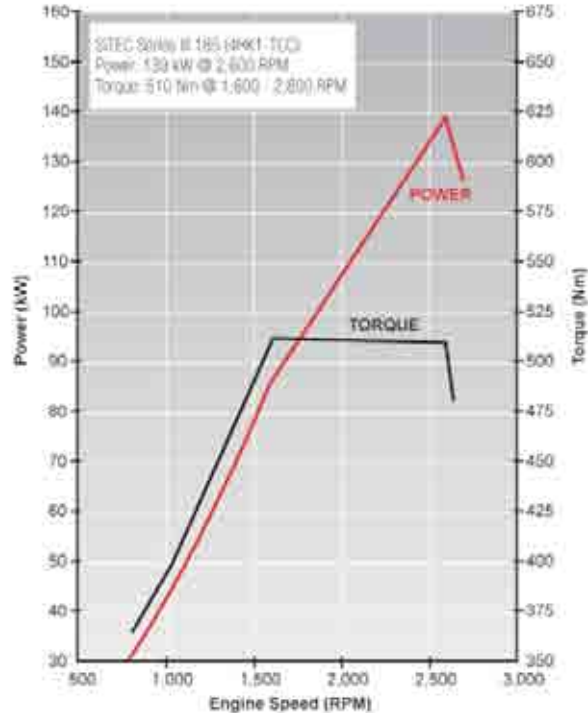
- Isuzu MZZ-6F**
- PTO provision on LHS of transmission case. PTO drive from counter gear.
 - Gear ratios (: 1)
- | 1st | 2nd | 3rd | 4th | 5th | 6th | Rev |
|-------|-------|-------|-------|-------|-------|-------|
| 6.369 | 3.767 | 1.966 | 1.355 | 1.000 | 0.782 | 6.369 |
- Standard model:**
- 6 speed manual. Synchromesh on gears 1-6.
- Premium Pack:**
- 6 speed Automated Manual Transmission (AMT) with both fully automatic and clutchless manual operation modes.

AXLES

- Front:** Isuzu F031
- Reverse Elliot I-beam. 3,100 kg capacity.
- Rear:** Isuzu R066
- Full floating Banjo type. Four differential pinions. 6,600 kg capacity.
 - Drive ratio: 4.100:1 (standard model), 4.300:1 (premium pack)

SUSPENSION

- Front:**
- **Single cab:** Single stage alloy steel taper leaf springs.
 - **Crew cab:** Single stage alloy steel multi leaf springs.
 - Double acting hydraulic shock absorbers. Stabiliser bar.
- Rear:**
- Multi leaf main spring, multi leaf helper spring.
 - Double acting hydraulic shock absorbers. Stabiliser bar.



BRAKES

- Auto adjusting front disc and rear drum brakes with dual circuit hydraulic control, hydraulic pressure assistance and electronic brake force distribution (EBD).
- ABS and ASR traction control.
- Hill Start Aid (HSA) - except premium pack.
- Front disc diameter: 363 mm
- Rear drum size: 370 x 150 mm
- 203 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: 5.4
- Maximum angle: 43° (inside wheel) / 33° (outside wheel)

WHEELS AND TYRES

- 19.5 x 6.00 six stud steel wheels.
- 225/70R 19.5 125/123L Michelin XZE Tubeless.
- Maximum tyre rating:
 - Steer axle: 3,300 kg
 - Drive axle: 6,200 kg
- 1 frame mounted spare wheel and tyre assembly.

CHASSIS FRAME

- Cold rivetted ladder frame. SAPH440 weldable steel sidemembers. Parallel side rails and rivetless top flange.
- Frame dimensions:
 - Side rail (mm): 216 x 70 x 6.0
 - Rear frame width (mm): 850

FUEL TANK

- Frame mounted 140L steel fuel tank.
- Lockable fuel cap.

ELECTRICAL SYSTEM

- 24 volt electrical system.
- 80 amp alternator.
- 4.5 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.
Single cab: Manual cab tilt to 45° with torsion bar assistance.
Crew cab/Engine access hatch: Fixed cab mounting.
- Complies with ECE-R29 cab strength standard.
- **Single cab:** Liquid filled front and rear cab mounts.
Crew cab/Engine access hatch: Rubber cab mounts.
- 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 integrated side indicator/cornering lamps.
- Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm.
- Roof-mounted clearance lamps.
- Heated and powered exterior main mirrors with flat glass and additional independently adjustable convex “spot” mirrors.
- **Except Premium Pack:** Body coloured grille. **Premium Pack:** Chrome grille.
- Body coloured impact resisting polycarbonate bumper with steel backing frame. **Premium Pack:** Includes front foglamps.

CAB INTERIOR

- Contoured adjustable driver’s bucket seat. **Premium pack, except crew and engine access hatch models:** includes mechanical suspension.
- Front passenger bench seat with 2 seat capacity.
- **Crew cab/Engine access hatch:** Engine access provided under removable driver seat base and tiltable front passenger seat.
- **Crew cab:** Rear bench seat with 4 seat capacity.
- 3-point lap sash seatbelts in all outboard seating positions. Driver and outboard front passenger seatbelts fitted with pretensioner. Centre seat lap belts.
- Driver and outboard front passenger airbag.
- **Premium Pack:** Driver’s footrest.
- Door and roof pillar entry assist grips. **Crew cab:** Full width rear grab rail with ashtray.
- 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.
- Centre console box with storage tray. Fold down storage tray behind centre seat backrest.
- Fully integrated air conditioning and heater/demister with 4-speed fan and outlets for windscreen, side windows, face and floor. **Except Premium Pack:** Manual control.
Premium Pack: Auto control.
- Interior lamp with On/Door/Off switch.
Single cab: fluorescent type. **Crew cab:** standard type.

- 2 DIN, two speaker radio/CD/DVD Digital Audio Visual Entertainment (DAVE) unit with 6.2” LCD touch screen. DAB+ digital radio and fully integrated Bluetooth with voice recognition. 4GB internal storage for music files. USB/SD card and auxiliary input connection provisions.
- 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 (except premium pack).
- ASR on/off.
- DPD regeneration.
- **Premium Pack:** AMT slow/fast gear engagement control, 1st gear start and normal/economy gear selection modes.
- **Left side combination stalk:** Windscreen wipers, washers and exhaust brake.
- **Right side combination stalk:** Turn signals and headlamps. **Premium Pack:** Cruise control.

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, seat belt unfastened, low fuel level.
Premium Pack: Check AMT.
- **Indicator lamps:** HSA (except premium pack), warm up system, high beam, ASR, DPD status, exhaust brake, turn signals. **Premium Pack:** Cruise control, econo-mode, 1st gear start.
- **Premium Pack:** Gear selection display.
- **Premium Pack:** Multi-information display. Shows service interval, instantaneous and average fuel consumption, DPD bar chart, hourmeter, voltmeter, time/day/date and includes 40-120 km/h adjustable vehicle speed warning.

OPTIONS AND GENUINE ACCESSORIES

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

Digital Audio Visual Entertainment unit:

- Isuzu satellite navigation including three years of free updates.
- Up to four reversing cameras - one with audio for reversing. Reversing sensors.
- Tyre pressure monitoring system.
- Cables for full iPod/iPhone/iPad compatibility and connection to other external audio visual devices.

Other:

- Airbag compatible bullbar.
- 3,500kg rated towbar.
- Air deflector.

ISUZU CARE

Isuzu Care gives truck owners access to products and services including Roadside Assist, Service Agreements, Extended Care, Extended Isuzu Assist and the Isuzu Care Centre. Call 1800 035 640.

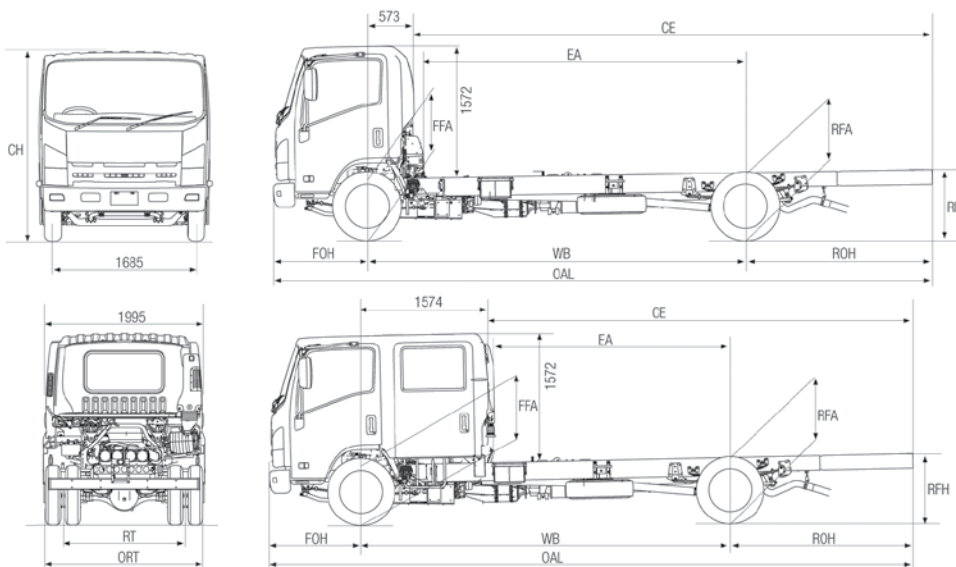
WEIGHTS (kg)

Models	Ratings*		Loading Limit* (at ground)		Cab Chassis Mass #		
	GVM	GCM	Front	Rear	Front	Rear	Total
NQR 450 Medium	8,700	12,200	3,100	6,200	1,850	995	2,845
NQR 450 Medium Premium	8,700	12,200	3,100	6,200	1,870	1,035	2,905
NQR 450 Long	8,700	12,200	3,100	6,200	1,910	1,040	2,950
NQR 450 Long Premium	8,700	12,200	3,100	6,200	1,930	1,080	3,010
NQR 450 Crew	8,700	12,200	3,100	6,200	2,070	1,110	3,180
NQR 450 Crew Premium	8,700	12,200	3,100	6,200	2,090	1,120	3,210

Maximum Gross Trailer Mass: 750 kg (unbraked), 3,500 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	FOH	ROH	EA	CE	RT	ORT	CH	FFA (unladen)	RFA (unladen)	RFH (unladen)	KERB TO KERB
NQR 450 Medium	3,365	5,985	1,110	1,510	2,680	4,302	1,670	2,150	2,280	710	815	855	12.4
NQR 450 Long	4,475	7,804	1,110	2,219	3,790	6,121	1,670	2,150	2,280	710	815	865	16.4
NQR 450 Crew	4,475	7,804	1,110	2,219	2,810	5,120	1,670	2,150	2,280	700	820	875	16.4



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 100km/h)
NQR 450	At 8,700 kg GVM	121 km/h @ 2,600 RPM	35%	2,145 RPM
NQR 450 Premium Pack	At 8,700 kg GVM	116 km/h @ 2,600 RPM	37%	2,245 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 ¹	
New Vehicle	3 years • 100,000km • 2,000 hours
Cab Perforation Corrosion	3 years • Unlimited km
Isuzu Assist: 24 hour roadside assistance (3 years, unlimited km's)*	
EXTENDED CARE ²	
Extended Warranty: 5 years • 250,000km • 4,500 hours	
Isuzu Assist: 24 hour roadside assistance (5 years, unlimited km's)	

ORDER CODES

Model	Code	Model	Code
NQR 450 Medium	NH-NQRCC-B13	NQR 450 Long Premium with engine access hatch	NH-NQRPC-E13
NQR 450 Medium Premium	NH-NQRDC-D13	NQR 450 Crew	NH-NQRGC-C13
NQR 450 Long	NH-NQRCC-C13	NQR 450 Crew Premium	NH-NQRHC-E13
NQR 450 Long Premium	NH-NQRDC-E13		

¹ Subject to the conditions outlined in the IAL New Vehicle Warranty, the Isuzu NQR models carry 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. ² Extended Warranty as illustrated may be purchased to cover the owner against the failure of original components, but may exclude some components and expendable items such as oil, filters, etc. *Valid for three years from the date of new vehicle purchases. All Isuzu warranties are subject to mandatory prescribed terms under Australian Consumer law including customer guarantees. For more details visit the Isuzu website which explains Isuzu warranties in more detail, or alternatively contact your local dealer. All warranties commence from date of delivery.

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