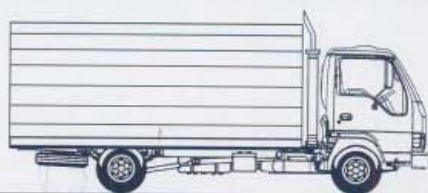


ISUZU NQR450 TURBO



ENGINE: ISUZU 4HE1-T

Type: 4 cylinder, 4 stroke, overhead camshaft, turbocharged, direct injection diesel.
Bore x Stroke: 110 mm x 125 mm
Displacement: 4751 cc
Compression Ratio: 18.0:1
Power*: 104 kW @ 2900 RPM
Torque*: 382 Nm @ 1800 RPM

* Engine performance determined in accordance with EEC 80/1269.

- 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 3260 cm² frontal area. 10-blade, plastic, 430 mm diameter cooling fan with thermatic / viscous type clutch.

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.

TRANSMISSION: ISUZU MBP-6P

- 6 forward speeds including overdrive, 1 reverse speed, synchronesh on all gears. P.T.O. opening left hand side.
 - Gear Ratios:
- | | | | | | | |
|---------|---------|---------|---------|--------|---------|---------|
| 1st | 2nd | 3rd | 4th | 5th | 6th | Rev |
| 6.378:1 | 3.627:1 | 2.239:1 | 1.452:1 | Direct | 0.787:1 | 4.774:1 |
- Maximum Theoretical Geared Speed: 102 km/h @ 2900 RPM
 - 2-piece propeller shaft with 90 mm tube diameter.

REAR AXLE: ISUZU R066

- Banjo type with full floating axle shafts.
- Axle tube size: 116 mm x 106 mm x 7 mm
- Rated capacity: 6600 kg
- Single reduction, hypoid gearing with 320 mm ring gear and 4-pinion differential. Drive ratio: 5.125:1

FRONT AXLE: ISUZU F031

- Reverse Elliot I-Beam with 3100 kg capacity.
- 30 mm diameter king-pin with ball type thrust bearing.

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.

AIR INTAKE SYSTEM

- Chassis mounted, cartridge type, 237 mm diameter Donaldson air filter. Vertical air intake stack and resonator mounted at cabin rear.

ELECTRICAL SYSTEM

- Batteries: 2 x 12 Volt / 65 Amp-Hour batteries in series for 24 Volt, negative ground system. Alternator: Hitachi 24 Volt / 60 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.

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. Fuel / water separator with warning lamp.
- Single stage fuel filter.

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

SUSPENSION

FRONT

- Alloy steel, multi-leaf springs with fully wrapped eye and metalastic bushes. Nominal size: 1300 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: 1350 mm x 70 mm
Auxiliary spring: 850 mm x 70 mm
- Hydraulic, double acting, telescopic shock absorbers.

WHEELS AND TYRES

WHEELS

- 6.00J x 17.5 JIS 6 stud single piece disc wheels.

TYRES

- 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.

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

423 revs/km

CABIN 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 with clearance lamps. Flat mirror glass both sides with additional, independently adjustable convex "spot" mirror on passenger side. 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. 4 rectangular, semi-sealed type headlamps.

CABIN INTERIOR

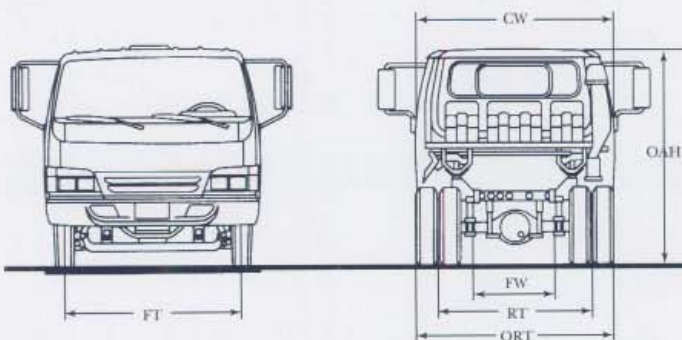
- Entry assist handles on 'A' pillars.
- Passenger side assist grip.
- Driver's bucket seat with reclining back and fore-aft adjustment. 2-person passenger bench seat with split, folding seat backs. Seat cushion tilts for access to engine. Flat tray on back of centre and passenger seats. Paper clip on 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 telescope adjustments. Heater / Demister with 4-speed fan and windscreen, face and floor outlets. Optional fully integrated air conditioning. Fore-aft adjustable roof vent.
- AM / FM Stereo Radio / Cassette with integrated digital clock. 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 ash trays.
- Interior lamp with On / Door / Off switch.

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: 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.



TOOLS

- Chassis frame mounted spare wheel and tyre winch. Wheel changing tools including 5000 kg capacity hydraulic jack. Hand tools in kit bag.

WARRANTY

- A warranty of 24 months / 50,000 km (whichever occurs first) applies to the cab-chassis vehicle. A concurrent warranty of 36 months / 100,000 km (whichever occurs first) applies to powertrain components. A concurrent warranty of 36 months (unlimited distance) applies to cabin corrosion perforation.

MODEL, CODES, RATINGS

MODEL	GVM	GCM	ORDERING CODE
NQR450 Turbo	8500kg	10500kg	8NV02-351

KERB MASS* (kg)

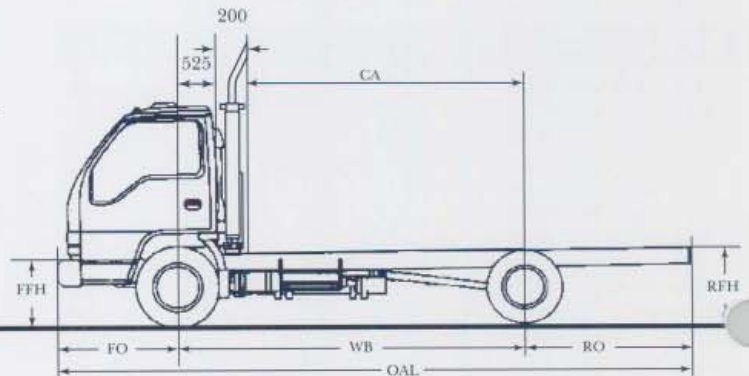
	Front	Rear	Total
NQR450 Turbo	1,770	880	2,650

* Cab-chassis, all fluids and lubricants, 10 litres fuel, spare wheel, tyre, winch and tools.

DIMENSIONS (mm)

WB Wheelbase	4175
OAL Overall Length	7320
CW Cabin Width	1995
CH Cabin Height	2240
CA Cabin To Axle (Effective)	3450
FO Front Overhang	1085
RO Rear Overhang	2060
FW Frame Width	850
FFH Front Frame Height	685
RFH Rear Frame Height	795
FT Front Track (Mean)	1680
RT Rear Track (Mean)	1650
ORT Outside Rear Track	2125
Turning Circle (Kerb to Kerb)	14.8 M

Dimensions are estimates for vehicle laden to GVMR. For other dimensions refer to body builder's diagram.



NQR450 TURBO

ISUZU

RELIABILITY IS EVERYTHING