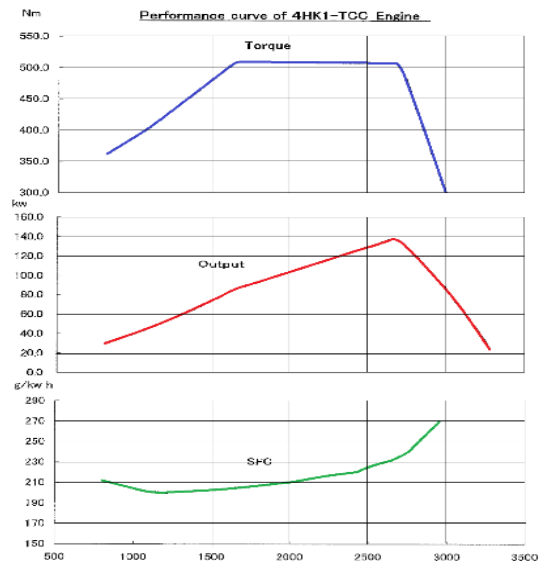


Model	NQR500C	NQR500C AMT
GCM (kg)	12,200	12,200
GVM (kg)	8,700	8,700
Max Power (kW)	139	139
Wheelbase (mm)	4475	4475
Licence**	Class 2	Class 2



## ENGINE

Engine Model:	4HK1-TCC
Type:	4 cylinder 16 valve, SOHC
Displacement:	5,193 cc
Compression Ratio:	17.5:1
Max Power (DIN Net):	139kW (189 HP) @ 2,600 RPM
Max Torque (DIN Net):	510 Nm (376 lb.ft) @ 1,600 RPM
Emission Control System:	Euro V with cooled EGR and Diesel Particulate Diffuser
Fuel System:	Electronically controlled direct injection, high pressure common rail 150 litre fuel tank with lockable fuel cap Water-in-fuel sensor standard
Air Intake System:	Electronically controlled variable nozzle turbo charger with air-to-air intercooler, vertical air intake behind cab



## PERFORMANCE

- Maximum Towed Mass (braked): 3,500kgs - 1<sup>st</sup> Gear Gradeability @GVM: M 36%/38% AMT
- Maximum Towed Mass (unbraked): 2,000kgs - Est Engine RPM @90km/h : M 1930/2025 AMT

## TRANSMISSION

Transmission:	MZZ6F 6 spd
Manual:	Synchromesh on 1 <sup>st</sup> to 6 <sup>th</sup> Auto adjusted 325mm single plate clutch, vacuum assist
AMT	Automated Manual with full automatic and sequential manual shift modes. Full auto hydraulically controlled wet clutch and fluid coupling with lock-up and air-to-air cooling,
Ratios (:1)	1 <sup>st</sup> 6.369, 2 <sup>nd</sup> 3.767 3 <sup>rd</sup> 1.996, 4 <sup>th</sup> 1.333, 5 <sup>th</sup> 1.000, 6 <sup>th</sup> 0.782, Rev 6.369
PTO	Provision on LHS of transmission case, countershaft driven

## AXLES

Front Axle:	Isuzu F031
Type:	Elliot reverses I-beam
Capacity:	3,100kgs
Rear Axle:	Isuzu RO66
Type:	Full floating banjo type housing
Capacity:	6,600kgs
Final Drive:	320mm diameter ring gear
Ratio (:1):	Man: 4.100, AMT: 4.300

## CHASSIS

### Front Suspension

- Single stage alloy multi-leaf
- Double acting shock absorber
- Stabiliser bar

### Steering

- Power assisted rack and pinion
- Turns lock-to-lock 5.4
- Gear Ratio 20.9:1

### Chassis Frame

- Cold riveted ladder frame
- Rail dimensions (mm) 216 x70 x 4
- SAPH440 weldable steel

### Rear Suspension

- MLS main, 1300x70x11 – 4, 1300x70x12 – 2
- Constant 205 N/mm
- TLS helper 850 x 70 x 9– 7
- Combined constant 553 N/mm
- Double acting shock absorbers with stabiliser bar

### Brakes

- Auto adjusting front discs, rear drums with hydraulic dual circuit control, hydraulic pressure assisted with electronic Brake Distribution (EBD)
- ABS and ASR (traction control)
- Hill Start Aid (except AMT)
- Front discs 363 x 42mm
- Rear drum 370mm x 150mm
- 203mm diameter drum park brake on rear of transmission

### Wheels and Tyres

- 19.5 x 6.0 x 127mm 6-stud steel rims
- 225/70R19.5 125/123M tubeless tyres
- White painted wheel rims
- Frame mounted spare wheel with tyre

### Electrical

- 24 volt negative earth system
- 50 amp alternator
- Batteries - 2 x 80D26L 80Ah,

