

ISUZU

SPECIFICATIONS



FSR 700 | 850 CNG



FSR 700 CNG pictured

AUSTRALIA'S TOP SELLING TRUCK BRAND SINCE 1989. Truck tracker 2009.

AT A GLANCE

GVM	12,000 / 14,000 kg
GCM	18,000 / 20,000 kg
Power	162 kW @ 2,400 rpm
Torque	735 Nm @ 1,400 rpm

ADVANCED TECHNOLOGY

- Emissions: JNLT 05 – meets ADR80/03
- Turbocharged multipoint injected CNG engine
- Driver airbag with seatbelt pretensioner
- Anti-lock Braking System (ABS)
- Hill Start Aid (HSA)
- Electric mirrors
- Front stabiliser bar
- Isri 6860 seat with integrated seatbelt



RELIABILITY IS EVERYTHING **ISUZU**

Driveline & Chassis Specifications

ENGINE: CNG 220 (ISUZU 6HF1-TCN)

Type: 6 cylinder SOHC
Displacement: 7,790 cc
Compression ratio: 11.3:1
Bore x Stroke: 115 mm x 125 mm
Max power (JIS D 1001 - NET): 162 kW (217 HP) @ 2,400 RPM
Max torque (JIS D 1001 - NET): 735 Nm (542 lb.ft) @ 1,400 RPM
Induction system: Turbocharger with air-to-air intercooler.
Ignition system: Direct coil-over-spark plug ignition.
Fuel injection: Multipoint CNG injection.
Emission control system: Three-way exhaust catalyst.
 ADR 80/03 (J-NLT05) compliant.

CLUTCH

- Air assisted hydraulic control. Single plate 381 mm diameter.
- Total lining area: 1,363 cm²

TRANSMISSION

ISUZU MZW-6P

- 6 speed manual with air assisted shift.
- Synchromesh on gears 2-6. Triple cone synchromesh on 2nd and 3rd gears. Integral oil pump provides full pressure lubrication.
- PTO provision on LHS of transmission case. PTO drive from mainshaft gear.

• Gear ratios (:1)

1st	2nd	3rd	4th	5th	6th	Rev
6.615	4.095	2.358	1.531	1.000	0.722	6.615

AXLES

Front: Isuzu F050

- Reverse Elliot I-beam. 5,000 kg capacity.

Rear: Isuzu R090

- Full floating Banjo type. 9,000 kg capacity.
- Drive ratio: 4.875:1

SUSPENSION

Front:

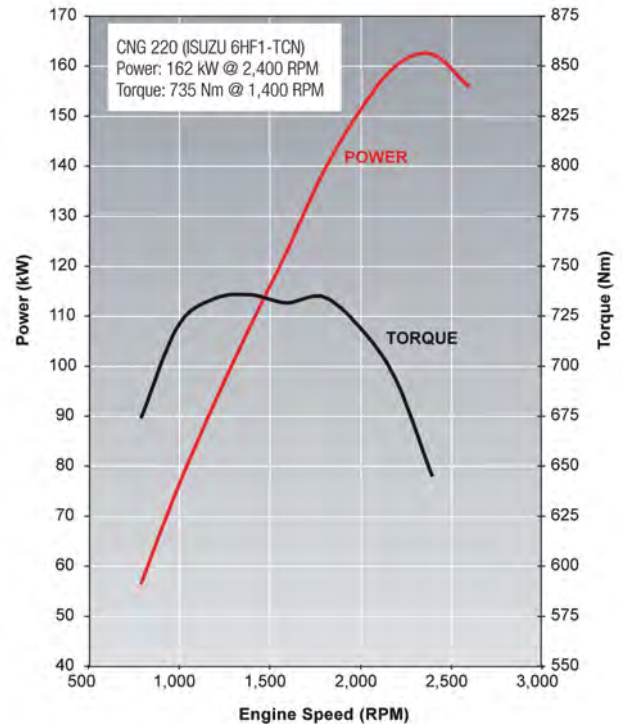
- Single stage alloy steel taper leaf springs.
- Double acting hydraulic shock absorbers. Stabiliser bar.

Rear:

- Multi leaf main spring, multi leaf helper spring.

BRAKES

- Dual circuit air over hydraulic front and rear drum brakes.
- ABS.
- Hill Start Aid (HSA).
- Front drum size: 370 x 150 mm
- Rear drum size: 370 x 150 mm
- Spring park brake.
- Air controlled exhaust brake.
- Air dryer.



STEERING

- Power assisted recirculating ball steering.
- Gear ratio: 16.1 - 18.8:1
- Turns lock to lock: 4.1
- Maximum angle: 44° (inside wheel) / 34° (outside wheel)

WHEELS AND TYRES

- 19.5 x 6.75 eight stud steel wheels.
- 265/70R 19.5 140/138M Bridgestone V-Steel R294Z Tubeless.
- Maximum tyre rating:
 - Steer axle: 5,000 kg
 - Drive axle: 9,440 kg
- Spare wheel and tyre assembly with winch type carrier.

CHASSIS FRAME

- Cold rivetted ladder frame with parallel side rails. HT540A high tensile weldable steel sidemembers.
- Frame dimensions:
 - Side rail (mm): 225 x 70 x 6.0
 - Rear frame width (mm): 840

FUEL TANK

- 1 x carbon fiber wrapped aluminium CNG tank with 150L liquid capacity, 2 x steel type 2 CNG tanks with 100L liquid capacity each, 1 x steel type 1 CNG tank with 90L liquid capacity. Total capacity = 440 water litres.
- Operating pressure: 20 MPa / 3,000 psi approx.

ELECTRICAL SYSTEM

- 24 volt electrical system.
- 90 amp alternator.
- 24 volt, 4.5 kW starter motor.
- 2 x 115E41L (651 CCA) batteries connected in series.

Cabin Specifications and Appointments

CAB EXTERIOR

- All steel construction. High tensile steel used for cab underframe.
- Manual cab tilt to 45° with torsion bar assistance.
- Liquid filled front and rear 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 side indicator 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 powered convex "spot" mirrors.
- Body coloured grille.
- Body coloured steel air dam bumper with front foglamps.

CAB INTERIOR

- Isri 6860 air suspension driver's seat with pneumatic lumbar support, height, rake and automatic weight adjustment.
- Front passenger adjustable bucket seat and front centre seat with folding seat back.
- 3-point lap sash seatbelts in all outboard seating positions. Driver seatbelt with pretensioner integrated with driver seat. Centre seat lap belts.
- Driver airbag.
- Door and roof pillar entry assist grips.
- 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.
- 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.
- Front passenger glovebox.
- Fully integrated air conditioning and heater/demister with 4-speed fan and outlets for windscreen, side windows, face and floor.
- Fluorescent type interior lamp with On/Door/Off switch.
- 2 DIN, two speaker radio/CD multimedia unit with 4.8" LCD touch screen and Bluetooth. Provision for SD card, USB and 3.5 mm plug inputs.
- DIN sized compartment for storage or for CB radio installation.

DRIVER CONTROLS

- Key-operated engine start/stop and steering lock.
- HSA slow/fast engagement control and on/off switch.
- **Left side combination stalk:** Windscreen wipers, washers and exhaust brake.
- **Right side combination stalk:** Turn signals and headlamps.

INSTRUMENTATION

- Electronically driven speedometer and tachometer. Digital odometer with integrated dual tripmeter. Engine coolant temperature, fuel level and air pressure gauges.
- **Warning lamps:** Check engine, oil pressure, ABS, SRS airbag, alternator charge, service brakes, park brake, seatbelt unfastened, low air pressure, low fuel level, cab lock.
- **Indicator lamps:** HSA, high beam, exhaust brake, turn signals.

OPTIONS AND GENUINE ACCESSORIES

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

- Satellite navigation - integrates with multimedia unit and includes NAVTEQ mapping.
- Up to three audio/visual reversing cameras - integrates with multimedia unit.
- Airbag compatible bullbar.

