

# ISUZU

SPECIFICATIONS

NEW  
NEW GENERATION ISUZU  
GEN

## FRR 600

## FRR 600 Crew



FRR 600 Crew



FRR 600

AUSTRALIA'S TOP SELLING TRUCK BRAND SINCE 1989. Truck tracker 2007.

### AT A GLANCE

GVM	11,000 kg
GCM	16,000 kg
Power	176 kW @ 2,400 rpm
Torque	706 Nm @ 1,450 rpm

### UPGRADE OPTIONS

#### AMT Pack:

- Automated Manual Transmission (AMT)
- Instrument panel multi-information display
- Cruise control

#### Premium Pack:

- Automated Manual Transmission (AMT)
- Instrument panel multi-information display
- Cruise control
- Auto control for airconditioning (except crew)
- Chrome grille

### ADVANCED TECHNOLOGY

- Driver airbag with seatbelt pretensioner
- Anti-lock Braking System (ABS)
- Anti Skid Regulator (ASR) - except crew
- Hill Start Aid (HSA)
- Electric mirrors
- Front stabiliser bar
- ISRI 6860 seat with integrated seatbelt

RELIABILITY IS EVERYTHING **ISUZU**

## Driveline & Chassis Specifications

### ENGINE: SITEC SERIES II 235 (ISUZU 6HK1-TCN)

- Type:** 6 cylinder 24 valve SOHC  
**Displacement:** 7,790 cc  
**Compression Ratio:** 17.5:1  
**Bore x Stroke:** 115 mm x 125 mm  
**Max power** (DIN-NET): 176 kW (236 HP) @ 2,400 RPM  
 (JIS Gross): 182 kW (244 HP) @ 2,400 RPM  
**Max torque** (DIN-NET): 706 Nm (521 lb.ft) @ 1,450 RPM  
 (JIS Gross): 731 Nm (539 lb.ft) @ 1,450 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:** Two-stage electronically controlled cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/02 (Euro IV) compliant.

### CLUTCH

- Standard and MQ model:**
- Air assisted hydraulic control. Single plate 381 mm diameter.
  - Total lining area: 1,363 cm<sup>2</sup>
- AMT and Premium Pack:**
- Fully automated hydraulically controlled wet clutch and fluid coupling with lock up.

### TRANSMISSION

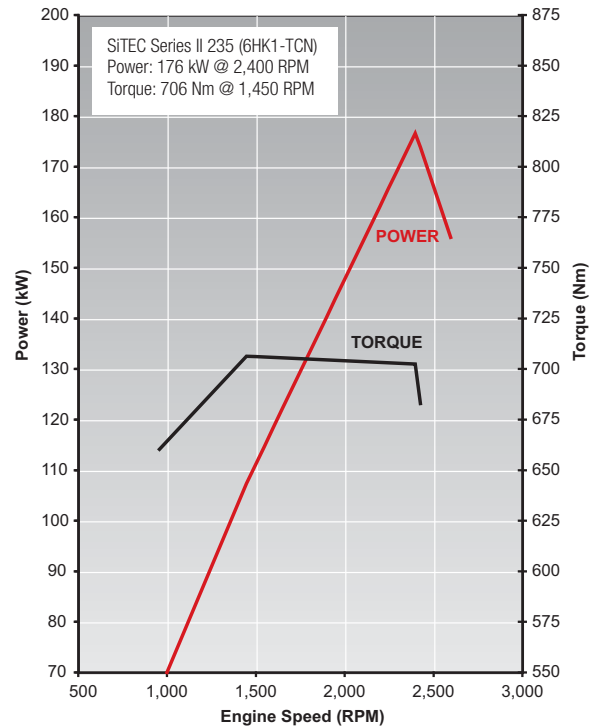
- ISUZU MZX-6P (except MQ model)**
- Synchromesh on gears 2-6. Triple cone synchromesh on 2nd and 3rd gears. Integral oil pump provides full pressure lubrication.
  - Gear ratios (: 1)
- | 1st   | 2nd   | 3rd   | 4th   | 5th   | 6th   | Rev   |
|-------|-------|-------|-------|-------|-------|-------|
| 6.615 | 4.095 | 2.358 | 1.531 | 1.000 | 0.722 | 6.615 |
- Standard model:**
- 6 speed manual with air assisted shift.
- Premium Pack:**
- 6 speed Automated Manual Transmission (AMT) with both fully automatic and clutchless manual operation modes.
- ISUZU MLD-6Q (MQ model)**
- 6 speed manual with air assisted shift.
  - Synchromesh on gears 2-6.
  - PTO provision on LHS of transmission case. PTO drive from counter gear.
  - Gear ratios (: 1)
- | 1st   | 2nd   | 3rd   | 4th   | 5th   | 6th   | Rev   |
|-------|-------|-------|-------|-------|-------|-------|
| 6.720 | 4.244 | 2.580 | 1.540 | 1.000 | 0.763 | 6.823 |

### AXLES

- Front:** Isuzu F041
- Reverse Elliot I-beam. 4,100 kg capacity.
- Rear:** Isuzu R077
- Full floating Banjo type. 7,700 kg capacity.
  - Drive ratio: 4.333:1 (except MQ model), 4.100:1 (MQ model)

### 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.
- ASR traction control (except crew).
- Hill Start Aid (HSA).
- Front drum size: 320 x 120 mm
- Rear drum size: 320 x 145 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: 52° (inside wheel) / 39° (outside wheel)

### WHEELS AND TYRES

- 17.5 x 6.00J six stud steel wheels.
- 235/75R17.5 132/130M Michelin XZE2 Tubeless.
- Maximum tyre rating:
  - Steer axle: 4,000 kg
  - Drive axle: 7,600 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

- Frame mounted 200L steel fuel tank.
- Lockable fuel cap.

## ELECTRICAL SYSTEM

- 24 volt electrical system.
- **Single cab:** 60 amp alternator. **Crew cab:** 90 amp alternator.
- 24 Volt, 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:** Electro-hydraulic cab tilt.
- **Single cab:** Liquid filled front and rear cab mounts. **Crew cab:** 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 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.
- **Except Premium Pack:** Body coloured grille. **Premium Pack:** Chrome 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.
- **Crew cab:** Rear bench seat with 4 seat capacity.
- 3-point lap sash seatbelts in all outboard seating positions. Driver seatbelt with pre-tensioner integrated with driver seat. Centre seat lap belts.
- Driver airbag.
- **AMT/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.

- Front passenger glovebox.
- Fully integrated air conditioning and heater/demister with 4-speed fan and outlets for windscreen, side windows, face and floor. **Except single cab Premium Pack:** Manual control. **Single cab Premium Pack:** Auto control.
- Fluorescent type interior lamp with On/Door/Off switch.
- 2 DIN, two speaker radio/CD multimedia unit.
- 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.
- ASR on/off (except crew).
- DPD regeneration.
- **AMT/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. **AMT/Premium Pack:** Cruise control.

### 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, seat belt unfastened, low air pressure, low fuel level, cab lock. **AMT/Premium Pack:** Check AMT.
- **Indicator lamps:** HSA, warm up system, high beam, ASR (except crew), DPD status, exhaust brake, turn signals. **AMT/Premium Pack:** Cruise control, economy mode, 1st gear start.
- **AMT/Premium Pack:** Gear selection display.
- **AMT/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, check with dealer for availability):

- Module for Bluetooth/iPod input/SD card reader.
- Module for Bluetooth/iPod input/SD card reader/satellite navigation (includes NAVTEQ mapping).
- Up to two reversing cameras.
- Airbag compatible bullbar.
- Cloth seat covers.

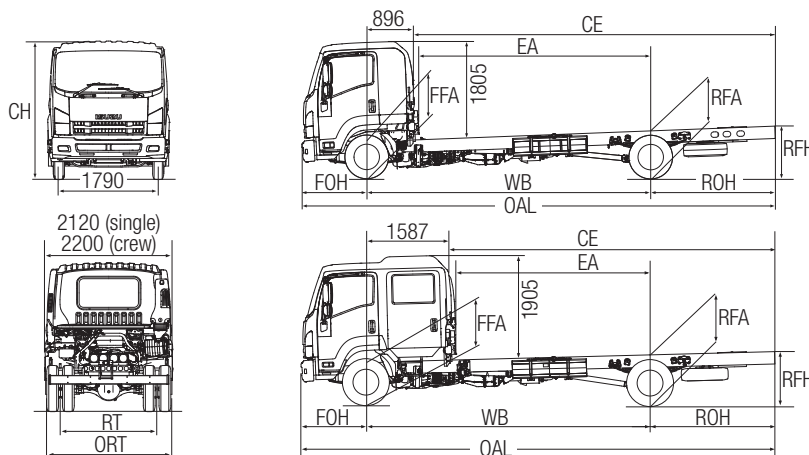
### Weights (kg)

Models	Ratings*		Loading Limit* (at ground)		Cab Chassis Mass#		
	GVM	GCM	Front	Rear	Front	Rear	Total
FRR 600 Medium	11,000	16,000	4,000	7,600	2,230	1,235	3,465
FRR 600 Medium MQ	11,000	16,000	4,000	7,600	2,265	1,240	3,505
FRR 600 Medium AMT	11,000	16,000	4,000	7,600	2,245	1,240	3,485
FRR 600 Long	11,000	16,000	4,000	7,600	2,270	1,255	3,525
FRR 600 Long MQ	11,000	16,000	4,000	7,600	2,310	1,260	3,570
FRR 600 Long Premium	11,000	16,000	4,000	7,600	2,290	1,260	3,550
FRR 600 X-Long	11,000	16,000	4,000	7,600	2,295	1,255	3,550
FRR 600 X-Long MQ	11,000	16,000	4,000	7,600	2,330	1,270	3,600
FRR 600 Crew	11,000	16,000	4,000	7,600	2,480	1,310	3,790
FRR 600 Crew MQ	11,000	16,000	4,000	7,600	2,520	1,320	3,840
FRR 600 Crew Premium	11,000	16,000	4,000	7,600	2,495	1,320	3,815

\* 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)	Turn Circle (m)
													KERB TO KERB
FRR 600 Medium	4,360	7,255	1,170	1,725	3,375	5,190	1,660	2,175	2,585	715	895	960	13.9
FRR 600 Long	5,160	8,605	1,170	2,275	4,175	6,540	1,660	2,175	2,585	715	895	950	16.4
FRR 600 X-Long	5,560	9,155	1,170	2,425	4,575	7,090	1,660	2,175	2,585	715	890	960	17.7
FRR 600 Crew	5,160	8,605	1,170	2,275	3,450	5,848	1,660	2,175	2,650	715	895	950	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 100 km/h)
FRR 600	At 11,000 kg GVM	112 km/h @ 2,400 RPM	43%	2,145 RPM
FRR 600 MQ	At 11,000 kg GVM	112 km/h @ 2,400 RPM	41%	2,145 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 <sup>1</sup>		
New Vehicle	3 years   150,000 km   2,500 hrs	
Cab Perforation Corrosion	3 years   Unlimited km	
EXTENDED <sup>2</sup>		
4 years   250,000 km	5 years   300,000 km	6 years   350,000 km

<sup>1</sup> Subject to the conditions outlined in the IAL New Vehicle Warranty, the Isuzu FRR models carry a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 36 months or 150,000 km or 2,500 hrs (whichever comes first). (ii) against cab perforation corrosion, for 36 months and unlimited kilometres. <sup>2</sup> Extended Warranty as illustrated is available by purchase to cover the owner against the failure of original components, but may exclude some components and expendable items such as oil, filters, etc. Please consult with your Isuzu Dealer for full details obtained from a dedicated brochure available to customers.

### Order Codes

Model	Code	Model	Code
FRR 600 Medium	FH-FRRCF-B01	FRR 600 X-Long	FH-FRRCF-E01
FRR 600 Medium MQ	FH-FRRCF-T01	FRR 600 X-Long MQ	FH-FRRCF-Y01
FRR 600 Medium AMT	FH-FRRCF-G01	FRR 600 Crew	FH-FRRGF-D01
FRR 600 Long	FH-FRRCF-D01	FRR 600 Crew MQ	FH-FRRGF-X01
FRR 600 Long MQ	FH-FRRCF-X01	FRR 600 Crew Premium	FH-FRRHF-Z01
FRR 600 Long Premium	FH-FRRDF-Z01		

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