



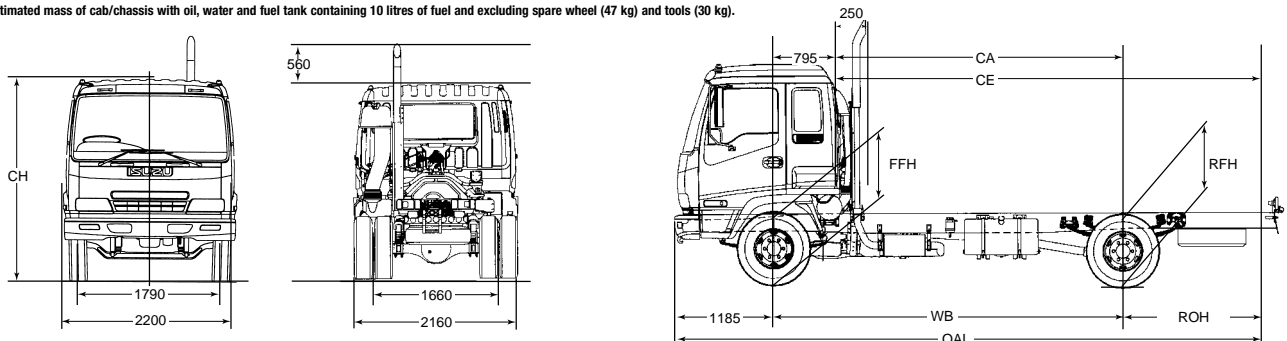
FRR500

Cab/Chassis specification as at July 2000.

MODEL RATINGS AND DIMENSIONS

MODELS	ENGINE	RATINGS(kg)		TARE MASS*(kg)			DIMENSIONS (mm)										TURNING CIRCLE
		GVM	GCM	TOTAL	FRONT	REAR	WB	OAL	ROH	CA	CE	CH	FFH UNLADEN	FFH LADEN	RFH UNLADEN	RFH LADEN	KERB TO KERB
FRR500: SHORT	SITEC 175	10,400	14,890	2,980	1,975	1,005	3,780	6,570	1,605	2,985	4,590	2,550	800	770	875	810	12.2m
MEDIUM			3,010	2,000	1,010							2,545	800	770	875	810	13.4m
- AUTO			3,045	1,995	1,050	4,250	7,220	1,785	3,455	5,240	2,535	790	760	865	800		
- PTO			3,085	2,025	1,060						2,535	790	760	865	800		
LONG					3,090	2,040	1,050	4,850	8,170	2,135	4,055	6,190	2,545	795	765	910	845
FRR500S	SITEC 200		3,120	2,070	1,050						2,545	795	765	910	845		

*Estimated mass of cab/chassis with oil, water and fuel tank containing 10 litres of fuel and excluding spare wheel (47 kg) and tools (30 kg).



For further information regarding Cab/Chassis dimensions your Isuzu Dealer can access detailed Body Builders diagrams from the Isuzu Truck Data Manual.

DRIVELINE SPECIFICATIONS

ENGINE: ISUZU SITEC 175

Isuzu 6HH1-N 6 cylinder, overhead camshaft, four stroke, direct injection, diesel.

BORE X STROKE: 115 mm x 132 mm.

DISPLACEMENT: 8,226 cc.

COMPRESSION RATIO: 18.5 : 1.

POWER: 129 kW @ 2,800 RPM. (ISO 1585)

TORQUE: 490 Nm @ 1,700RPM. (ISO 1585)

ENGINE: ISUZU SITEC 200

(Optional engine only available on FRR 500S LONG)

Isuzu 6HH1-S 6 cylinder, overhead camshaft, four stroke, direct injection, diesel.

BORE X STROKE: 115 mm x 132 mm.

DISPLACEMENT: 8,226 cc.

COMPRESSION RATIO: 18.5 : 1.

POWER: 150 kW @ 2,850 RPM. (ISO 1585)

TORQUE: 539 Nm @ 1,700RPM. (ISO 1585)

COOLING SYSTEM

- 6 blade plastic cooling fan 500mm diameter with thermatic fan clutch. Corrugated fin radiator with fan shroud. Frontal area 3,820 cm². Coolant capacity 23.3 litres.

AIR INTAKE SYSTEM

- Donaldson 11" two stage with vertical air intake stack and rain head.

EXHAUST SYSTEM

- Horizontal exhaust muffler with vertical exhaust stack.
- Exhaust brake, air controlled.

FUEL SYSTEM

- In line plunger, Bosch 'AD' type fuel injection pump with mechanical all speed governor. In line filter, see through water separator with drain cock.
- Single fuel tank, capacity 180 litres.

CLUTCH

- Hydraulic control dry single plate. 355 mm (14") diameter.
- Asbestos free lining material. Total lining area (both sides) 966 cm².

TRANSMISSIONS

ISUZU MBJ6T 6 speed overdrive

- Constant mesh with synchromesh on gears 2-6. Oil capacity 5.3 litres.
- Gear ratios to 1:

1st	2nd	3rd	4th	5th	6th	Rev
6.378	3.627	2.307	1.452	1.000	0.787	6.595
- Maximum geared speed 113 km/h. (118km/h for 500S)

ALLISON AT545

4 speed automatic (Optional transmission only available on Medium/4,250mm wheelbase)

- Oil capacity: 18.5 litres
- Gear ratios to 1:

1st	2nd	3rd	4th	Rev
3.454	2.254	1.407	1.000	5.025
- Maximum geared speed 106 km/h.

PTO (Flywheel Power Take Off)

(Optional specification only available on Medium/4,250mm wheelbase)

- Drive ratio (PTO/Engine RPM): 0.7:1
- Maximum output torque: 353Nm
- Output flange rotates in same direction as engine.

FRONT AXLE

ISUZU F036 CAPACITY 3,600KG

- Reverse Elliot I-beam type. King Pin diameter 35 mm with cylindrical roller thrust bearing.

REAR AXLE

ISUZU R077 CAPACITY 7,700KG

- Banjo type, fully floating, single reduction.
- Hypoid type ring gear, 343mm diameter. Oil capacity 5.5 litres.
- Rear Axle Ratio: 1

Short/Med	Auto	PTO/Long	Long/SITEC 200
5.125	4.333	5.125	4.750

ISUZU

RELIABILITY IS EVERYTHING

ISUZU-GENERAL MOTORS AUSTRALIA LTD A.C.N. 006 962 572. PLEASE NOTE: as the policy of I-GM is one of continual product improvement, all specifications and equipment are subject to change without notice. No I-GM dealer or other person is authorised or permitted to give or make any statement, assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any I-GM product or in connection with the supply of any I-GM product which is at variance with any written statement, assertion or undertaking on any of these subjects given or made by I-GM in its published sales literature, and the company accepts no liability for any such unauthorised action. I-GM has franchised dealers in many parts of Australia, for the sale of service, parts and the provision of service to the owners of I-GM products. Every endeavour is made to ensure that such dealers carry adequate stocks of service parts and are equipped to provide satisfactory service, but makes no promise, other than that contained in the I-GM new vehicle warranty, that such parts or service facilities will be available or available at any specific location or at any particular time. A word about this specification sheet. We have tried to make it as comprehensive and factual as possible. However, since the time of printing some of the information you will find here may have been updated. Also, some of the equipment shown or described through this specification sheet may have been changed and/or is available at extra cost. And the right is reserved to make changes at any time without notice, in prices, colours, materials, equipment and models. Your I-GM dealer has details and before ordering, you should ask him/her to bring you up to date.

CABIN SPECIFICATIONS AND APPOINTMENTS

CAB EXTERIOR

- All steel cab with welded strengthening ribs and side door impact beams. Torsion bar assisted manual tilt to 45°.
- 4 silicone filled rubber cab isolators.
- Cation electrodeposition primer.
- Bumper bar with step holes and footplate.
- Halogen headlamps, hinged for easy bulb replacement. Park lamps and cab clearance lamps.
- Turn signal lamps in front bumper and doors.
- 2 speed wiper/washer with variable intermittent mode. Triple washer jets mounted on wiper arms.
- Tinted, laminated windscreen; tinted, toughened side and rear glass.
- West Coast type rear-view mirrors with additional, separately adjustable spotter mirror on both sides.
- Alloy non-slip cab entry steps.
- Lift up front access panel for clutch and windscreen washer fluids, cab air filter screen.
- Engine and brake fluid check points at rear of cab.

CAB INTERIOR

- Fully trimmed cab interior with cloth seat facings, formed roof lining. Overhead storage lockers.
- Driver and passenger sun visors.
- Pull out drinks holder in centre fascia, cigarette lighter with ashtrays in doors.

- Driver's seat with mechanical suspension and 3 way lumbar support. Adjustment for seat back recline, seat slide and weight control.
- Outboard reclining passenger seat with under-seat storage drawer. Folding centre seat back with lockable compartment and tray.
- Outboard lap/sash seat belts with emergency locking retractors, centre lap seat-belt.
- Tilt/telescopic adjustable steering column, soft feel urethane steering-wheel.
- Easy entry grab handles on 'A' pillars.
- Heater demister with 4 speed fan, 4 outlet vents to screen, 5 fascia outlets, 5 foot outlets, demister ducts to door glass.
- Optional integrated air conditioning.
- Eurovox AM/FM radio cassette with digital clock, dash mounted. Remote seek/volume and mute switch located on dash to right of steering wheel.
- Optional 6 stack CD player.
- DIN standard aperture in dash for CB radio.
- 12 Volt /100W cigarette lighter type electrical socket located in centre console.
- 24 Volt – 2 pin accessory plug in centre console.
- Park brake activation lever at left side of driver's seat.
- Rear vision mirror.
- Passenger side assist grip.
- Driver's left foot rest.
- Cab exhaust vents rear/upper cab.
- Business card clip. Coat hook at rear of cab.
- Elastic mesh pocket on driver's door.

CONTROLS

- Left side combination stalk switch for exhaust brake, windscreen wipers and washers, hazard lamps.
- Right side combination stalk switch for headlamps, high beam and turn signals.
- Engine idle speed adjust control.
- Key operation for engine start and stop, external engine crank switch for service when cab is tilted.
- 3 way switch for interior lamp activated by driver's door.

INSTRUMENTATION

- GAUGES: Speedometer, odometer, tripmeter and tachometer. Gauges for coolant temperature, fuel level and brake air pressure.
- INDICATOR LAMPS: Turn signals, parking brake on, high beam on, exhaust brake engaged. Reversing lamp and beeper.
- WARNING LAMPS: With warning bulb check switch. Battery charge, oil pressure, low air pressure, brake system, stop and tail light failure.

TOOLS

- Lockable tool box. 7,000kg capacity jack and wheel changing tools, tool kit.

CHASSIS SPECIFICATIONS

CHASSIS FRAME

- Parallel rail, ladder type channel section, cold rivetted.
- Straight frame for easy body mounting. Frame width 840 mm.
- Side member dimensions 225mm x 70mm x 6mm.
- Frame reinforcement angle section 203mm x 64mm x 4.5mm at back of cab.
- Material HT540A high tensile, weldable steel.

SUSPENSION

Semi-elliptical, alloy steel tapered multi-leaf springs. Fully wrapped eye with greasable shackles.

FRONT

- 1200mm x 70mm x 10mm x 8 leaves.
- Hydraulic, double acting, telescopic shock absorbers.

REAR

- Main: 1,300 x 70mm x 11mm x 8 leaves
- Aux: 850 x 70mm x 10mm x 3 leaves
- 850 x 70mm x 11mm x 4 leaves

BRAKES

- Air over hydraulic, dual circuit, front two leading, rear dual two leading. Drum diameter front and rear 320 mm. Total swept area 5127 cm².
- Air dryer.
- Nylon brake air tubing.
- Asbestos free lining material.
- Park Brake: **FRR 500 Short/Medium/Long/S:** Mechanical, internal expanding at rear of transmission.

FRR 500 Auto/PTO:

Spring type, acting on rear wheels.

STEERING

- Fully integral power assisted recirculating ball type.
- Gear ratio 16.1 ~ 18.8 : 1. Turns lock to lock 4.1.
- Gear driven vane type oil pump. Oil capacity 1.5 litres.

WHEELS AND TYRES

- 6.00 x 17.5, 6 stud disc wheels.
 - Number of wheels and tyres 7, including spare. Winch type spare wheel carrier.
 - 9.5R17.5 129/127L tubeless radial tyres front and rear
 - Type: Michelin XZA.
- Load and speed ratings per tyre:
1,850 kg (single) / 1,750 kg (dual) / 120 km/h.

ELECTRICAL SYSTEM

- Batteries – 2 x 12 volt / 65 amp/h, negative earth.
- Alternator – 24 volt / 60 Amps (1.5kW)
- Starter motor – 24 volt / 4.5 kW.
- Rear stop and tail lamps and licence plate lamp with long leads for variable body mounting.

ISUZU NEW TRUCK WARRANTIES

	STANDARD TRUCKPOWER WARRANTY*		TRUCKPOWER EXTENDED WARRANTY OPTIONS#		
NEW VEHICLE	2 years	100,000km	3 years / 150,000km	4 years / 200,000km	5 years / 250,000km
DRIVETRAIN	3 years	150,000km			
CAB CORROSION	3 years	unlimited			

* Subject to the conditions outlined in the I-GM New Vehicle Warranty, the Isuzu FRR models carry a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 24 months or 100,000km (whichever comes first) (ii) for the powertrain, which runs concurrently for 36 months or 150,000km (whichever comes first) (iii) against cab corrosion, for 36 months and unlimited kilometres.

A TruckPower Extended Warranty as illustrated is available by purchase to cover the owner against the failure of original components, but excludes some components and expendable items such as oil, filters, etc. Please consult with your Isuzu Dealer for full details obtainable from a dedicated brochure available to customers.