



RGS/IGM2701

Model: FRR 550 Turbo
GVM: 10,400kg
GCM: 16,000kg
Engine type: Isuzu SiTEC 230
Displacement: 7127cc
Power: 169kW @ 2500rpm
Torque: 667Nm @ 1500rpm

FRR 550 Turbo

Cab/Chassis specification as at January 1999.

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 silicon 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.
- 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 ash trays in doors.

- Isringhausen ISRI 6500/517 air suspension driver's seat with auto weight adjustment to 130kg. Height, rake and back rest recline adjustment. Pneumatic lumbar support.
- Outboard reclining passenger seat. 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.
- Eurovox AM/FM radio cassette with digital clock, dash mounted. Remote seek/volume switch located on dash to right of steering wheel.
- 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 washer, 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 and passenger doors.

INSTRUMENTATION

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

TOOLS

- Lockable tool box with 7000 kg capacity jack and wheel changing tools, tool kit.

ISUZU NEW TRUCK WARRANTIES

12 MONTHS	24 MONTHS	36 MONTHS
VEHICLE 24 WARRANTY	24 MONTH NEW VEHICLE WARRANTY	TRUCKPOWER EXTENDED NEW VEHICLE WARRANTY*
POWERTRAIN 36 WARRANTY	36 MONTH POWERTRAIN WARRANTY	
CAB CORROSION 36 WARRANTY	36 MONTH CAB CORROSION WARRANTY	

***36 months or 150,000kms
whichever occurs first.**

12 MONTHS	24 MONTHS	36 MONTHS	48 MONTHS
VEHICLE 24 WARRANTY	24 MONTH NEW VEHICLE WARRANTY	TRUCKPOWER EXTENDED NEW VEHICLE WARRANTY*	
POWERTRAIN 36 WARRANTY	36 MONTH POWERTRAIN WARRANTY		
CAB CORROSION 36 WARRANTY	36 MONTH CAB CORROSION WARRANTY		

***48 months or 200,000kms
whichever occurs first.**

12 MONTHS	24 MONTHS	36 MONTHS	48 MONTHS	60 MONTHS
VEHICLE 24 WARRANTY	24 MONTH NEW VEHICLE WARRANTY	TRUCKPOWER EXTENDED NEW VEHICLE WARRANTY*		
POWERTRAIN 36 WARRANTY	36 MONTH POWERTRAIN WARRANTY			
CAB CORROSION 36 WARRANTY	36 MONTH CAB CORROSION WARRANTY			

***60 months or 250,000kms
whichever occurs first.**

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.

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ISUZU

RELIABILITY IS EVERYTHING

DRIVELINE SPECIFICATIONS

ENGINE: ISUZU SITEC 230

Isuzu 6HE1-TC Turbo charged, intercooled 6 cylinder, overhead camshaft, four stroke, direct injection, diesel.

BORE X STROKE: 110 mm x 125 mm.

DISPLACEMENT: 7127 cc.

COMPRESSION RATIO: 16.9 : 1.

POWER: 169 kW @ 2500 RPM. (ISO 1585)

TORQUE: 667 Nm @ 1500RPM. (ISO 1585)

COOLING SYSTEM

- 7 blade plastic cooling fan 560 mm diameter with thermatic fan clutch.
- Corrugated fin radiator with fan shroud and triple row core.
- Frontal area 3820 cm². Coolant capacity 23.3 litres.

AIR INTAKE SYSTEM

- Donaldson 13" two stage with vertical air intake stack and rain head.
- Turbocharger and air-to-air intercooler.

EXHAUST SYSTEM

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

FUEL SYSTEM

- In line plunger, Bosch 'MD' type fuel injection pump with 'TICS' electrical timing and injection control and mechanical 'RLD' type 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. 381 mm (15") diameter. Pneumatic clutch release assistance.
- Asbestos free lining material. Total lining area (both sides) 1364 cm².

TRANSMISSION

ISUZU MLD6Q 6 speed overdrive

- Constant mesh with synchromesh on gears 2-6. Oil capacity 6.5 litres.

- Gear ratios (: 1)

1st	2nd	3rd	4th	5th	6th	Rev
6.720	4.244	2.580	1.540	1.000	0.763	6.823

- Maximum geared speed 122 km/h.

FRONT AXLE

ISUZU F036 CAPACITY 3600KG

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

REAR AXLE

ISUZU R077 CAPACITY 7700KG

- Banjo type, fully floating, single reduction. Ratio 4.333 : 1.
- Hypoid type ring gear 365 mm diameter. Oil capacity 6.5 litres.

CHASSIS SPECIFICATIONS

CHASSIS FRAME

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

SUSPENSION

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

FRONT

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

REAR

- Main: 1300 mm x 70 mm x 11 mm x 8 leaves
- Aux: 850 mm x 70 mm x 10 mm x 3 leaves
- 850 mm x 70 mm x 11 mm 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.
- Spring park brake 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

WHEELS

- 6.00 x 17.5, 6 stud disc wheels.
- Number of wheels and tyres 7, including spare. Winch type spare wheel carrier.

TYRES

- 225/90R17.5 128/126L tubeless radial tyres front and rear.
- Type: Yokohama RY058.
- Load and speed ratings per tyre: 1800kg (single) / 1700kg (dual) / 120 km/h.

ELECTRICAL SYSTEM

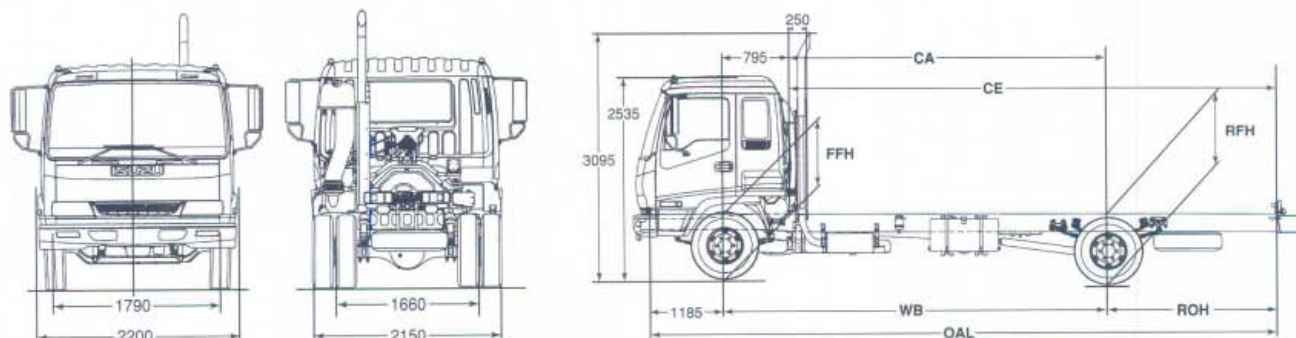
- Batteries - 2 x 12 volt / 65 amp/h, negative earth.
- Alternator - 24 volt / 40 amp.
- Starter motor - 24 volt / 4.5 kW.
- Rear stop and tail lamps and licence plate lamp with long leads for variable body mounting.

MODEL RATINGS AND DIMENSIONS

MODELS	RATINGS		TARE MASS [#]			DIMENSIONS (mm)								TURNING CIRCLE	NOMINAL MAX BODY LENGTH*	
	GVM	GCM	TOTAL	FRONT	REAR	WB	OAL	ROH	CA	CE	FFH UNLADEN	FFH LADEN	RFH UNLADEN			RFH LADEN
FRR 550 TURBO	10,400kg	16,000kg	3,290kg	2,180kg	1,110kg	4,850	8,160	2,135	4,055	6,190	790	761	900	835	14.9m	6,560

[#] Estimated mass of cab/chassis with oil, water and fuel tank containing 10 litres of fuel and excluding spare wheel and tools.

* Subject to weight distribution



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