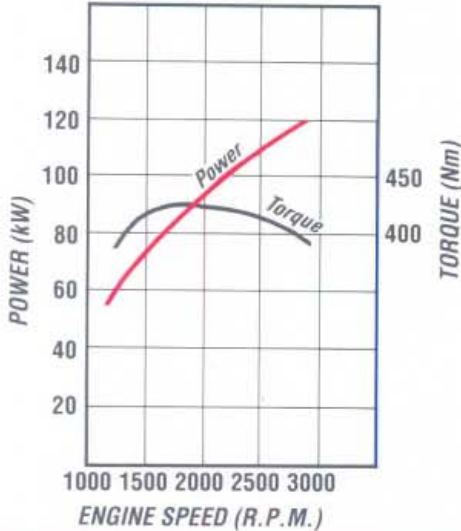


# 650

**FSR 650 SHORT**

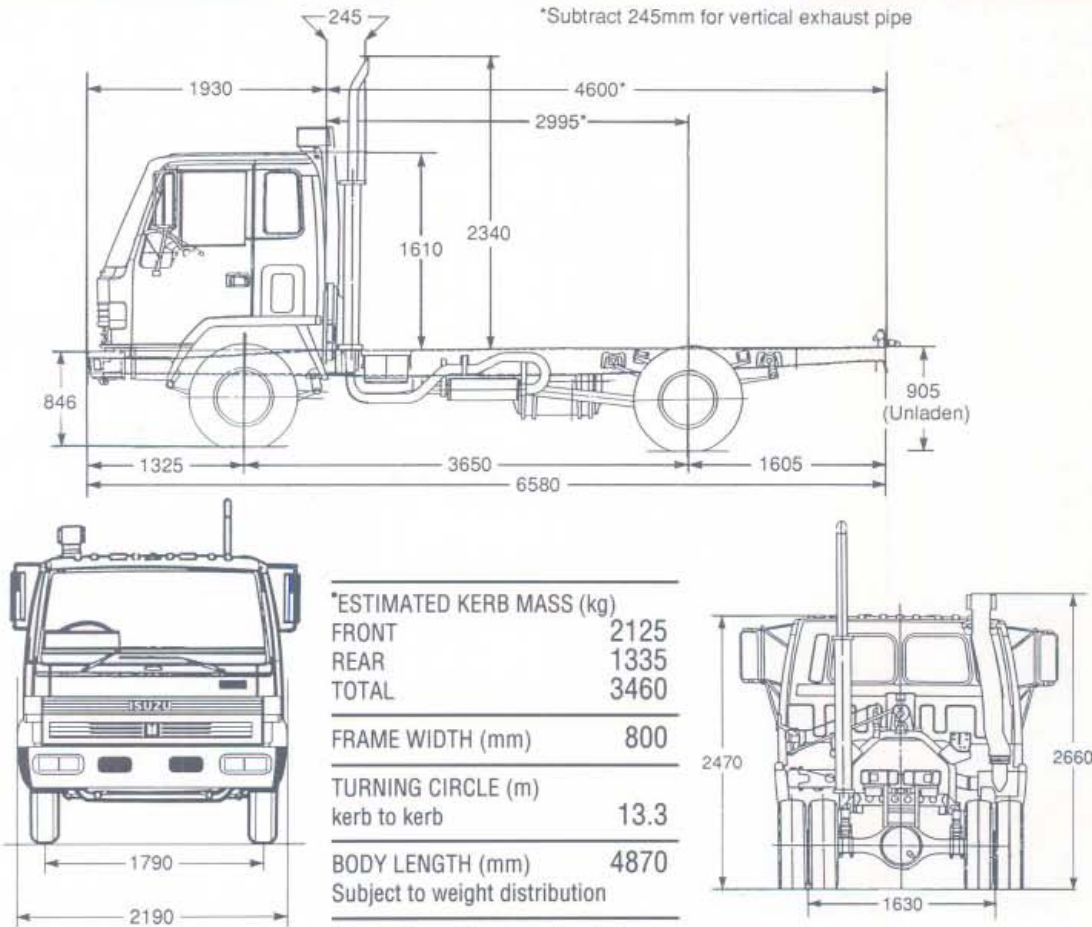
**\*GVM 10,500/11,000 kg**  
**GCM 16,000 kg**  
**WHEELBASE 3,650 mm**

## ISUZU 6BG1 ENGINE PERFORMANCE



- Type: 6 Cylinder OHV diesel, four stroke, direct injection
- Bore x Stroke (mm) 105 x 125
- Displacement 6494 (cc)
- Compression ratio (:1) 17.0
- Output-Power (kW) 120 @ 2900 rpm (DIN Nett)
- Torque (Nm) 431 @ 1800 rpm (DIN Nett)

## DIMENSIONS



\*11,000kg with optional radial tyres.

\*Chassis and cab with oil, water and fuel tank containing 10 litres of fuel.

ISUZU-GENERAL MOTORS AUSTRALIA LTD A.C.N. 006 962 572

12/90 WARRANTY. Every Isuzu Truck is covered by the I-GM new vehicle warranty which covers your vehicle for the first 12 months or 50,000 kilometres.

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CT2918-10/91

ISUZU





# 650

FSR 650 SHORT

ORDERING CODE  
8EJ02-321

## ENGINE - ISUZU 6BG1

### Lubrication:

- Pressure feed lubrication with full flow paper element filter, oil cooler. Oil capacity 12.5 litres including filter.

### Cooling System:

- Six blade plastic cooling fan with thermatic clutch, size 475 mm diameter.
- Tube and corrugated fin pressure type radiator. Size(mm) 622h x 559w x 53t. Frontal area 0.348 m<sup>2</sup> with bell mouth fan shroud.

## FUEL SYSTEM

- Two stage paper element air cleaner, Donaldson 11" with high vertical air intake stack and rain head.
- In line plunger, Bosch 'A' type fuel injection pump with mechanical all speed governor.
- In line paper filter. See through water separator with drain cock.
- Fuel tank capacity 160 litres.
- Horizontal exhaust muffler with vertical stack.

## CLUTCH

- Hydraulic control. Dry single plate with coil type cushioning springs, 325 mm (13") diameter. Lining area 966 cm<sup>2</sup>, (both sides)

## TRANSMISSION ISUZU MBG6P

- Six speed overdrive, constant mesh, synchromesh on gears 2-6. Oil capacity 6.1 litres
  - **Gear ratios:1**
- |         |       |
|---------|-------|
| 1st     | 6.378 |
| 2nd     | 3.627 |
| 3rd     | 2.239 |
| 4th     | 1.452 |
| 5th     | 1.000 |
| 6th     | 0.787 |
| Reverse | 5.835 |
- Maximum geared speed 106 km/h
  - Two piece propeller shaft, 90 mm diameter.

### Length:

1st section	578mm
2nd section	1,099mm

## REAR AXLE - CAPACITY 7,700kg

- Banjo type, fully floating, single reduction. Ratio: 6.143:1
- Hypoid type ring gear: 365 mm diameter
- Oil capacity: 6.5 litres

## REAR SUSPENSION - CAPACITY 11,020kg

- Semi-elliptical, alloy steel, tapered multi-leaf springs. Fully wrapped eye with greasable shackles.
  - Size - length x width x thickness:
- |            |                              |
|------------|------------------------------|
| Main:      | 1300 x 70 x 12 mm - 8 leaves |
| Auxiliary: | 850 x 70 x 11 mm - 2 leaves  |
|            | 850 x 70 x 12 mm - 5 leaves  |

## FRONT AXLE - CAPACITY 3,400kg

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

## FRONT SUSPENSION - CAPACITY 5,100kg

- Semi elliptical, alloy steel, tapered, multi-leaf springs. Fully wrapped eye with greasable shackles.
- Size - length x width x thickness:
 

1350 x 70 x 11 mm - 1 leaf
1350 x 70 x 12 mm - 6 leaves
- Hydraulic, Double acting, telescopic shock absorbers.

## STEERING

- Fully integral, power assisted, recirculating ball type. Gear ratio 22.4:1. Turns lock to lock 4.3
- Gear driven vane type oil pump, oil capacity 2.0 litres.

## BRAKES

- Air over hydraulic, dual circuit, front two leading, rear dual two leading.
- Drum diameter, front 400mm, rear 410mm. Total lining area 3972 cm<sup>2</sup>.
- Spring parking brake acting on rear wheels.
- Butterfly, air controlled, exhaust brake system, activation switch on wiper/washer control stalk.

## CHASSIS FRAME

- Parallel rail, ladder type, channel section, cold riveted.
- Side member dimensions - 225 x 70 x 6 mm
- Frame reinforcement angle section 203 x 64 x 4.5mm at cab back. 213 x 64 x 3.2mm at rear axle.
- High tensile steel, HT55 weldable frame material.

## WHEELS AND TYRES

- 6.50T x 20-8 Stud Disc wheels front and rear, 22mm bolt size.
- 8.25 - 20 - 12 ply Dunlop Highway 78 Cross ply tubed tyres front and rear.
- Optional 8.25R - 20 - 14 ply Michelin XZP tubed radial tyres front and rear.
- Number of tyres 7, including spare.
- Winch type spare wheel carrier.

## ELECTRICAL SYSTEM

- Batteries 2 x 12 volt - 53 Amp/h, negative earth.
- Alternator 24 volt - 40 Amp.
- Starter motor 24 volt - 4.5 kW output.
- Rear stop and tail lamps and licence plate lamp with long leads for variable body mounting. Turn signal side indicator lamps for body mounting.

## CAB EXTERIOR

- All steel cab, manual tilt to 45°. Cation electro deposition primer. Torsion bar counter balanced.

- Heavy duty bumper bar with four rectangular halogen headlamps inset.
- Access to engine fluid checks without tilting cab.
- Combination turn signal and park lamps.
- West Coast type rear view mirrors with clearance lamps.
- Laminated windshield, 2 speed wiper with intermittent mode and washers.
- Front and rear quarter vent windows.
- Corrosion resistant non slip cab entry steps.
- Tool kit with 7,000 kg capacity jack.

## CAB INTERIOR

- Fully trimmed cab interior with cloth seat facings, formed roof lining and overhead parcel shelf with driver and passenger sun visors.
- ISRI 5000 driver's seat with mechanical suspension, adjustment for seat back recline, seat slide and height control.
- Outboard passenger seat, folding centre seat back with lockable compartment & snack tray.
- Outboard lap/sash seat belts with emergency locking retractor, inboard lap seat belt.
- Tilt telescopic adjustable steering column, soft feel urethane steering wheel.
- Easy entry grab handles on 'A' and 'B' pillars.
- Heater demister with 4 speed fan, 4 outlet vents to screen, 5 fascia outlets, 5 foot outlets.
- AM/FM radio with digital clock, dash mounted.

## INSTRUMENTATION

- Speedometer, odometer and tachometer.
- Gauges for coolant temperature, fuel level and brake air pressure.
- Dash illumination control.

## INDICATOR LAMPS

- Turn signals, parking brake on, high beam on exhaust brake engaged, brake fluid level.

## WARNING LAMPS

- With warning bulb checking switch
- Battery charge, oil filter clogged, oil pressure, low air pressure, brake system, air cleaner clogged, stop and tail lamp failure.

## SWITCHES

- Left side combination switch for exhaust brake, wipers and washers.
- Hazard lamp switch.
- Right side combination switch for headlamps, turn signals and headlamp dip.
- Key operation for engine stop and start, external engine crank switch for service when cab is tilted.
- 24 Volt 2 pin accessory plug on centre fascia panel.
- Three way switch for interior lamp activated by driver and passenger doors.