

FSS 500 4X4

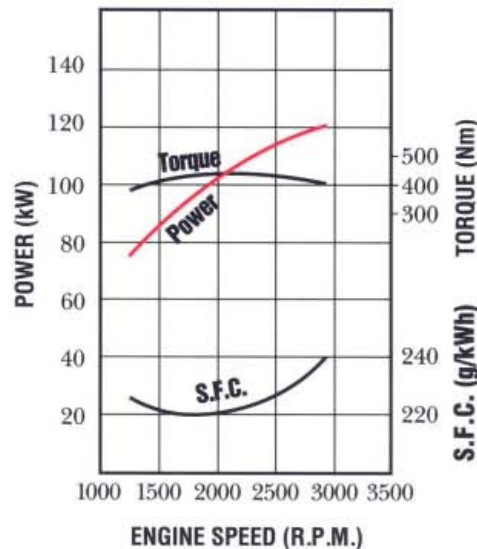
GVM: 10000kg
 *GCM: 14000/15000kg
 WHEELBASE: 3650mm

*14000 kg off road, 15000 kg on road.

500

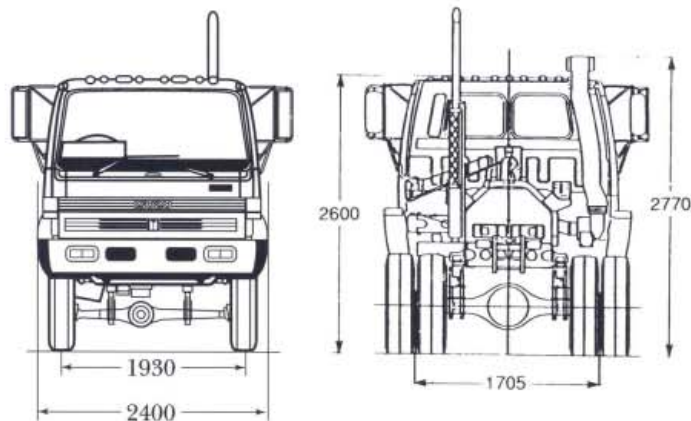
ISUZU 6BG1 ENGINE PERFORMANCE

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

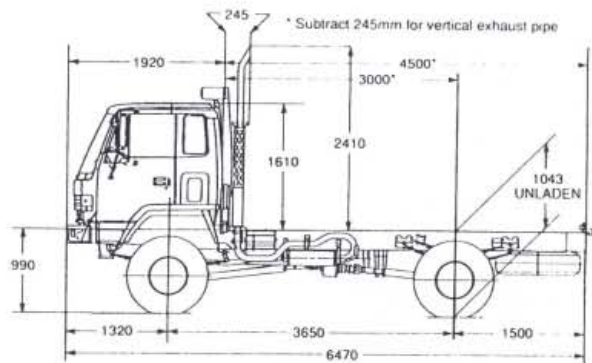


DIMENSIONS AND WEIGHTS

*ESTIMATED KERB MASS (kg)	
FRONT	2500
REAR	1530
TOTAL	4030
FRAME WIDTH (mm)	800
TURNING CIRCLE (m)	
Kerb to Kerb	16.6
BODY LENGTH (mm)	4870
Subject to weight distribution	
CHASSIS HEIGHT (mm)	
At centre line of rear axle	
UNLADEN CHASSIS CAB	1043
AT GVM	980



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



FSS

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

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ENGINE - ISUZU 6BG1

Lubrication

- Pressure feed lubrication with full flow paper element and partial flow sub filter. Plate type oil cooler in water jacket. Oil capacity 12.5 litres including filter.

COOLING SYSTEM

- 6 blade plastic cooling fan size 475 mm diameter with thermatic fan clutch.
- Tube and corrugated fin pressure type radiator with bell mouth fan shroud. Size (mm) 622 h x 559 w x 71 t. Frontal area 0.348 m².
- Coolant capacity 20.7 litres.

FUEL SYSTEM

- Two stage paper element air cleaner, Donaldson 11" with 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 145 litres.
- Horizontal exhaust muffler with vertical exhaust stack.

CLUTCH

- Hydraulic control dry single plate with coil type cushioning springs. 350 mm (14") diameter.
- Asbestos free lining material. Total lining area (both sides) 1164 cm².

TRANSMISSION ISUZU MGB5B

- 5 speed direct drive, constant mesh, synchromesh on gears 2-5. Oil capacity 5 litres.
- Gear ratios: 1

1st	6.890
2nd	3.918
3rd	2.419
4th	1.466
5th	1.000
Reverse	6.304
- Maximum geared speed 100 km/h.
- Two speed transfer case with air assisted shift controls, oil capacity 3 litres. Ratios: 1

High	- 1.000	Low	- 2.091
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- Three piece propeller shaft

Diameter/Length	
Transmission to transfer case	67 mm/355 mm
Transfer case to front axle	90 mm/1,394.6 mm
Transfer case to rear axle	90 mm/807.5 mm

REAR AXLE - R065 CAPACITY 6500 KG

- Banjo type, fully floating, with No-Spin differential. Ratio 5.125:1.
- Hypoid type ring gear, 365 mm diameter. Oil capacity 7.5 litres.

REAR SUSPENSION

- Semi-elliptical, alloy steel tapered multi-leaf springs. Fully wrapped eye with greasable shackles.
- Length - width x thickness No. leaves

Main: 1300 - 70 x 11 mm	3 leaves
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70 x 12	4 leaves
Aux: 850 - 70 x 10 mm	3 leaves
70 x 11 mm	4 leaves

FRONT AXLE - FD039 CAPACITY 3,900 KG

- Split type, fully floating with Birfield type steering ball joint. Ratio 5.125:1.
- Spiral bevel type ring gear, 365 mm diameter. Oil capacity 3.8 litres.

FRONT SUSPENSION

- Semi-elliptical, alloy steel tapered multi-leaf springs. Fully wrapped eye with greasable shackles.
- Length - Width x thickness No. leaves

1350 - 70 x 12 mm	5 leaves
70 x 16 mm	1 leaf
- Hydraulic, double acting, telescopic shock absorbers.

STEERING

- Fully integral power assisted recirculating ball type. Gear ratio: 1 16.1-18.8 variable. Turns lock to lock 4.6.
- 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 400 mm, rear 410 mm. Total swept area 5,849.6 cm².
- Spring parking brake acting on rear wheels.
- Butterfly, air controlled exhaust brake. Activation switch on wiper/washer control stalk.

CHASSIS FRAME

- Parallel rail, ladder type, channel section, cold rivetted.
- Side member dimensions 225 x 70 x 6 mm.
- Frame reinforcement 203 x 64 x 4.5 mm at back of cab.
- Material, SAPH45 mild steel.

WHEELS AND TYRES

- 6.50 T x 20 - 8 stud disc wheels.
- 20 mm bolt size, 145 mm offset.
- 8.25 R 20 - 14 ply Michelin XZY tubed radial tyres, front and rear.
- Number of tyres, 7 including spare.
- Inflator hose and fitting.
- Winch type spare wheel carrier.

ELECTRICAL SYSTEM

- Batteries - 2 x 12 volt - 55 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°. Torsion bar counter balanced.
- Cation, electro deposition primer.
- Heavy duty bumper bar with four rectangular halogen headlamps inset.
- Combination turn signals and park lamps.

- Tinted laminated windshield, 2 speed wiper/washer with intermittent mode.
- Tinted quarter vent, side and rear glass.
- West Coast type rear view mirrors with clearance lamps.
- Corrosion resistant non slip cab entry steps.
- Access to engine fluid checks without tilting cab.
- Tool kit with 10,000 kg capacity jack.

CAB INTERIOR

- Fully trimmed cab interior with two tone cloth seat facings, formed roof lining and overhead parcel shelf with driver and passenger sun visor.
- ISRI 6000 drivers seat with mechanical suspension and lumbar support, adjustment for seat back recline, seat slide and height control.
- Outboard reclining passenger seat, folding centre seat back with lockable compartment and snack tray.
- Outboard lap/sash seat belts with emergency locking retractors, 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.
- High/low ratio selector and 4 wheel drive selector.

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. 4 wheel drive engaged.

WARNING LAMPS

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

SWITCHES

- Left side combination switch for exhaust brake, wipers and washer.
- Right side combination switch for headlamps, turn signals and headlamp dip.
- Hazard lamp switch.
- Key operation for engine stop and start, external engine crank switch for service when cab is tilted.
- Three way switch for interior lamp activated by driver and passenger doors.
- 24 volt 2 pin accessory plug on centre fascia panel.
- High/low ratio switch.
- 4x4 selection switch.