

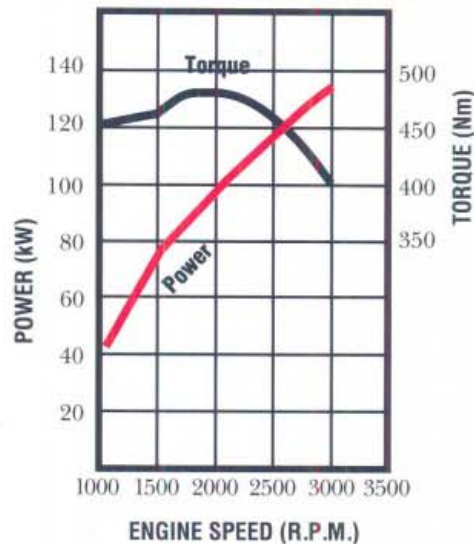
# FSR 500 SHORT

GVM: 9500kg  
GCM: 15000kg  
WHEELBASE: 3730mm

# 500

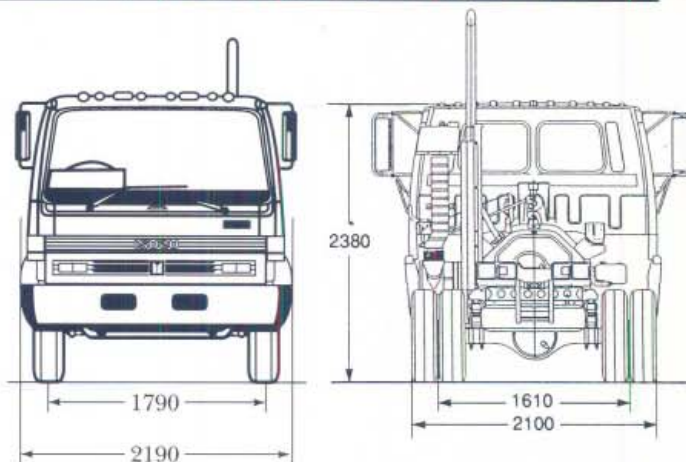
## ISUZU 6HE1 ENGINE PERFORMANCE

- Type: 6 cylinder, overhead camshaft diesel, four stroke, direct injection
- Bore x stroke: 110 x 125 mm
- Displacement: 7127 cc
- Compression Ratio: 17.0:1
- Output -  
Power:  
129kW @ 3000 rpm (DIN Nett)  
Torque:  
471 Nm @ 1800 rpm (DIN Nett)

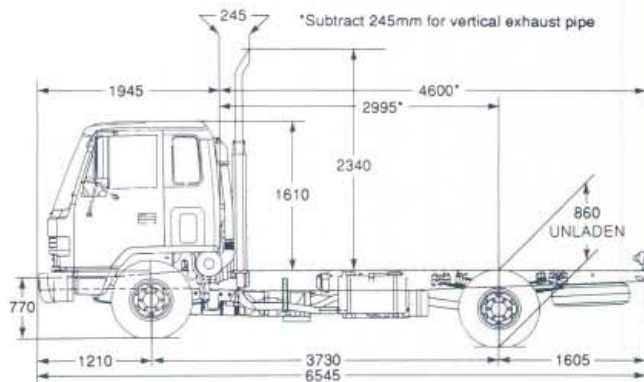


## DIMENSIONS AND WEIGHTS

*ESTIMATED KERB MASS (kg)	
FRONT	1900
REAR	1000
TOTAL	2900
FRAME WIDTH (mm)	800
TURNING CIRCLE (m)	
Kerb to Kerb	12.0
BODY LENGTH (mm)	4870
Subject to weight distribution	
CHASSIS HEIGHT (mm)	
At centre line of rear axle	
UNLADEN CHASSIS CAB	882
AT GVM	816



\*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.

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## ENGINE - ISUZU 6HE1

### Lubrication

- Pressure feed lubrication with full flow paper element and partial flow sub filter. Plate type oil cooler in water jacket. Oil capacity 15 litres including filter.

### Cooling System

- 6 blade plastic cooling fan size 470 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 52 t. Frontal area 0.348 m<sup>2</sup>.
- Coolant capacity 25 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 cm<sup>2</sup>.

## TRANSMISSION ISUZU MBG5A

- 5 speed direct drive, constant mesh, synchromesh on gears 2-5. Oil capacity 5 litres.
- Gear ratios: 1
  - 1st 6.376
  - 2nd 3.627
  - 3rd 2.239
  - 4th 1.452
  - 5th 1.000
  - Reverse 5.835
- Maximum geared speed 107 km/h.
- Two piece propellor shaft, 90 mm diameter.  
Length: 1st section 533 mm  
2nd section 1027.5 mm

## REAR AXLE - R077 CAPACITY 7700 KG

- Banjo type, fully floating, single reduction. Ratio 4.330:1.
- Hypoid type ring gear, 343 mm diameter. Oil capacity 5.5 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 8 leaves  
Aux: 850 - 70 x 10 mm 7 leaves

## FRONT AXLE - F036 CAPACITY 3600 KG

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

## FRONT SUSPENSION

- Semi-elliptical, alloy steel tapered multi-leaf springs. Fully wrapped eye with greasable shackles.
- Length Width x thickness No. leaves  
1200 70 x 10 mm 8 leaves
- Hydraulic, double acting, telescopic shock absorbers.

## STEERING

- Fully integral power assisted recirculating ball type. Gear ratio 16.1-18.8:1. 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 and rear 320 mm. Total swept area 5124.6 cm<sup>2</sup>.
- Air dryer.
- Asbestos free lining material.
- Mechanical park brake, internal expanding at rear of transmission.
- 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 180 x 4.5 mm at back of cab.
- Material, SAPH45 mild steel.

## WHEELS AND TYRES

- 6.00 GS x 16 - 6 stud disc wheels, 20 mm bolt size. 135 mm offset.
- 8.25 R 16 LT - 14 ply 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°. Torsion bar counter balanced.
- Cation, electro deposition primer.
- Heavy duty bumper bar.
- Four rectangular halogen headlamps.
- 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 7000 kg capacity jack.

## CAB INTERIOR

- Air suspension drivers seat, reclining with seat slide and height control.
- Outboard passenger seat, fixed centre seat.
- Vinyl seat material, padded roof lining and heavy duty vinyl floor mat.
- Outboard lap/sash seat belts with emergency locking retractors, inboard lap seat belts.
- Driver and passenger sun visors.
- Tilt telescopic adjustable steering column, soft feel urethane steering wheel. Easy entry grab handles on 'A' pillar.
- 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 check switch.
- Battery charge, oil filter clogged, oil pressure, low air pressure, brake system, air cleaner clogged, stop and tail lamp failure.
- Reversing lamp.

## 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.