



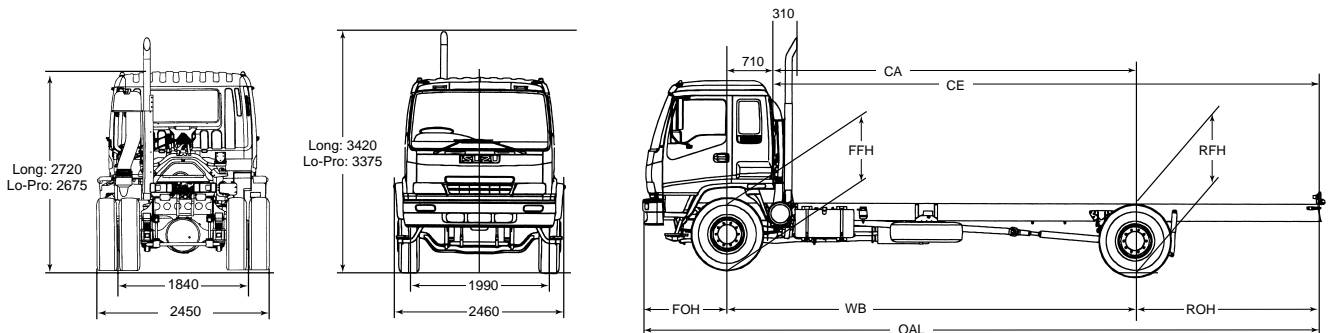
# FVD950

Cab/Chassis specification as at September 2000.

## MODEL RATINGS AND DIMENSIONS

MODELS	ENGINE	RATINGS (kg)		TARE MASS* (kg)			DIMENSIONS (mm)								TURNING CIRCLE		
		GVM	GCM	TOTAL	FRONT	REAR	WB	OAL	FOH	ROH	CA	CE	FFH UNLADEN	FFH LADEN	RFH UNLADEN	RFH LADEN	KERB TO KERB
FVD950: LONG	SITEC230	16,000	24,000	4,970	2,995	1,975	6,050	10,020	1,270	2,700	5,340	8,040	960	941	1,000	1,000	20.1m
LOPROFILE				4,940	2,985	1,955							915	898	955	955	

\*Estimated mass of cab/chassis with oil, water and fuel tank containing 10 litres of fuel and excluding spare wheel (95kg) and tools (30kg).



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 230

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

**BORE X STROKE:** 110 mm x 125 mm.

**DISPLACEMENT:** 7,127 cc.

**COMPRESSION RATIO:** 16.9 : 1.

**POWER:** 169 kW @ 2,500 RPM. (ISO 1585)

**TORQUE:** 667 Nm @ 1,500RPM. (ISO 1585)

### COOLING SYSTEM

- 7 blade plastic cooling fan 600 mm diameter with thermatic fan clutch.
- Corrugated fin radiator with fan shroud and triple row core.  
Dimensions: 800 mm x 636 mm x 54 mm.  
Frontal area 5,088 cm<sup>2</sup>.
- Coolant capacity 29.0 litres.

### AIR INTAKE SYSTEM

- Donaldson 13" diameter, dry element, two stage filter. Vertical intake stack with rain head.
- Intercooler dimensions: 540 mm x 470 mm x 53 mm. Total intercooler frontal area 2,540 cm<sup>2</sup>.

### EXHAUST SYSTEM

- Horizontal exhaust muffler with vertical exhaust pipe.
- Air controlled, butterfly type exhaust brake.

### 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 steel fuel tank: 180 litres capacity.

### TRANSMISSION

#### ISUZU MLD7Q 7 speed overdrive

- Constant mesh with syncromesh on gears 2-7.
- Oil capacity: 8.3 litres
- Pneumatic gearshift assistance.
- Gear ratios to 1:
 

1st	2nd	3rd	4th	5th	6th	7th	Rev
7.166	4.526	2.919	1.954	0.1254	1.000	0.756	7.276
- Maximum geared speed:  
FVD 950 Long: 109km/h at 2,600 RPM  
Lo-Profile: 109km/h at 2,600 RPM
- Electronically road speed limited to 100km/h.

### CLUTCH

- Hydraulic control dry single plate. 380mm (15") diameter.
- Asbestos free lining material. Total lining area (both sides) 1,364 cm<sup>2</sup>.

### FRONT AXLE

- MERITOR FG 941 CAPACITY 6,600KG
- Reverse Elliot I-beam type. King Pin diameter 50mm with cylindrical roller thrust bearing.
- 45° maximum wheel cut angle.
- Oil bath lubricated front wheel hubs with see-through oil level indicator.

### REAR AXLE

MERITOR RS-23-161G CAPACITY 10,400KG

- Banjo type, fully floating, single reduction.
- Hypoid type ring gear, 457 mm diameter. Oil capacity 15.0 litres.
- Rear Axle Ratios: Long: 6.143:1  
Lo-Profile: 5.625:1

### BRAKES

- Meritor 'Q Plus' full air 'S' cam dual circuit front and rear leading and trailing shoes. Drum diameter front and rear 419mm. Total swept area 8,030cm<sup>2</sup>. Total brake lining area 4,864cm<sup>2</sup>.
- Asbestos free lining material.
- Air tank capacity 78.5 litres in total. Aluminium air tanks mounted inside chassis frame.
- Nylon brake air tubing.
- Spring park brake acting on rear wheels.
- Air dryer.
- Automatic slack adjusters.

**ISUZU**  
**RELIABILITY IS EVERYTHING**

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## CABIN SPECIFICATIONS AND APPOINTMENTS

### CAB EXTERIOR

- All steel cab with welded strengthening ribs and side door impact beams. Torsion bar assisted cabin tilt to 45°.
- 4 silicone filled rubber 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 over wheel arches.
- 2 speed wiper / washer with variable intermittent mode. Triple washer jets mounted on wiper arms.
- Tinted, laminated windscreen; toughened side and rear glass.
- 'West Coast' type rear view mirrors. Additional separately adjustable spotter mirror on each side.
- Alloy, non-slip cabin entry steps.
- Lift-up front access for clutch and windscreen washer fluids, cab air filter screen. Engine fluid check points at rear of cabin.

### 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's door.

### CAB INTERIOR

- Fully trimmed cab interior with seat facings, formed roof lining. Overhead storage lockers. Driver and passenger sun visors.
- Centre storage compartment with lockable lid/tray.
- Pull out drinks holder in centre fascia, cigarette lighter with ash trays in doors.
- Istringhausen 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.
- Lap/sash seat belts with emergency locking retractors.
- 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, demister ducts to door glass.
- Optional fully 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.

### CUSTOM CAB (OPTIONAL)

(available on all FVD950 models)

Features in addition to, or replacing standard cab features:

#### Exterior

- Gold badging
- Griffin emblem
- "Custom" badge
- Chrome radiator grille and head lamp surround

#### Interior

- Fluorescent interior lamp
- Carpeted cabin floor
- Woodgrain appearance to instrument panel
- 6 stack CD player
- Premium speakers for sound system
- Power windows
- Power door locks with keyless entry
- Auto-sensor headlamp switch

### 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 10,000kg capacity jack and wheel changing tools.

## CHASSIS SPECIFICATIONS

### CHASSIS FRAME

- Parallel rail, ladder type, channel section, cold riveted.
- Straight frame for easy body mounting. 850 mm frame width.
- Side member dimensions: 258 mm x 85 mm x 10 mm.
- Frame reinforcement angle section: 224 x 77 x 4.5 mm (cab back). 224 x 77 x 6.0 mm (rear axle).
- Material: SAPH440 weldable mild steel.

### SUSPENSION

#### FRONT

- Semi-elliptical alloy steel multi-leaf springs. Fully wrapped eye with greasable shackles.
- 1,470mm x 80mm x 12mm x 2 leaves.
- 1,470mm x 80mm x 13mm x 6 leaves.
- Hydraulic, double acting, telescopic shock absorbers.
- Stabiliser bar.

#### REAR

- Hendrickson HAS230 Airbag. Capacity 10,400kg. Featuring two rolling lobe air springs, proprietary "Z-beam" main support members, transverse torque rod and stamped steel cross channels for excellent roll stability.
- Outboard mounted, double acting shock absorbers.
- Dual height control valves.

### STEERING

- Fully integral power assisted recirculating ball type.
- Gear ratio 22.4 : 1. Turns lock to lock 4.5.
- Gear driven vane type oil pump. Oil capacity 2.5 litres.

### ELECTRICAL SYSTEM

- Batteries – 2 x12 volt / 65 amp/h, negative earth.
- Alternator – 24 volt / 60 Amps (1.5 kW output.)
- Starter motor – 24 volt / 4.5 kW.
- Rear stop and tail lamps and licence plate lamp with long leads for variable body mounting.

### WHEELS AND TYRES

- 8.25 x 22.5, 10 stud disc wheels.
- FVD 950 Long: 11R22.5 148/145L tubeless radial tyres front and rear.  
Type: Michelin XZE2 (Front and Spare) Michelin XDE2 (Rear)
- FVD 950 Lo Profile: 275/70R22.5 148/145M tubeless radial tyres front and rear.  
Type: Michelin XZE2 (Front and Spare) Michelin XDE2 (Rear)
- Load and speed ratings per tyre: 3,150kg (single) / 2,900kg (dual) 120 km/h: Standard. 130 km/h: Lo Profile.
- Number of wheels and tyres 7, including spare. Winch type spare wheel carrier.

## 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 FVD 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.