

# ISUZU

## SPECIFICATIONS

### FVR 1000 4X2

### FVD 1000 4X2



FVR 1000

AUSTRALIA'S TOP SELLING TRUCK BRAND SINCE 1989.

#### AT A GLANCE

GVM	16,500 kg
GCM	32,000 kg
Power	221 kW @ 2,400 rpm
Torque	981 Nm @ 1,450 rpm

#### ADVANCED TECHNOLOGY

Emissions: Euro V / ADR 80/03	Hill Start Aid (HSA) - except auto model
Meets EEV emissions standard	Electric mirrors
Driver airbag with seatbelt pretensioner	Electro-hydraulic cab tilt
ADR 42 compliant sleeper with mattress	Coil spring cab suspension
ECE-R29 compliant cab	Front stabiliser bar
ECE-R93 compliant Front Underun Protection Device (FUPD)	Rear stabiliser bar (FVR model)
Anti-lock Braking System (ABS)	Cruise control
	Isri 6860 seat with integrated seatbelt



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# FVR Medium | Long

# FVD Long | Auto

## DRIVELINE AND CHASSIS SPECIFICATIONS

### ENGINE: SITEC SERIES III 295 (ISUZU 6HK1-TCS)

- Type:** 6 cylinder 24 valve SOHC  
**Displacement:** 7,790 cc  
**Compression Ratio:** 17.5:1  
**Bore x Stroke:** 115 x 125 mm  
**Max power (DIN-NET):** 221 kW (296 HP) @ 2,400 RPM  
**(JIS Gross):** 228 kW (306 HP) @ 2,400 RPM  
**Max torque (DIN-NET):** 981 Nm (724 lb.ft) @ 1,450 RPM  
**(JIS Gross):** 1,014 Nm (748 lb.ft) @ 1,450 RPM  
**Induction system:** Electronically controlled variable nozzle turbocharger with air-to-air intercooler.  
**Fuel injection:** Direct injection high pressure common rail system.  
**Emission control system:** Cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/03 (Euro V) compliant. EEV compliant.

### CLUTCH (MANUAL TRANSMISSION MODEL)

- Air assisted hydraulic control. Single plate 381 mm diameter.
- Total lining area: 1,363 cm<sup>2</sup>

### TRANSMISSION

#### ZF 9 S 1110 TO

- 9 speed with air assisted shift.
  - Synchronmesh on gears 1-8. Repeat 'H' shift pattern.
  - PTO provision at rear of transmission case.
  - Gear ratios (:1) Crawler: 9.48
- | 1st  | 2nd  | 3rd  | 4th  | 5th  | 6th  | 7th  | 8th  | Rev  |
|------|------|------|------|------|------|------|------|------|
| 6.58 | 4.68 | 3.48 | 2.62 | 1.89 | 1.35 | 1.00 | 0.75 | 8.97 |

#### ALLISON 3000 SERIES (auto model)

- 6 speed automatic. 4th generation electronic controls with adaptive shift.
  - LHS and top PTO openings on transmission bellhousing. Engine driven PTO drive gear.
  - Gear ratios (:1)
- | 1st  | 2nd  | 3rd  | 4th  | 5th  | 6th  | Rev  |
|------|------|------|------|------|------|------|
| 3.49 | 1.86 | 1.41 | 1.00 | 0.75 | 0.65 | 5.03 |

### AXLES

#### Front: MERITOR

- FG941 reverse Elliot I-beam. 6,600 kg capacity.

#### Rear: MERITOR

- RS-23-161G. 10,400 kg capacity.
- Drive ratio: 5.63:1 (manual model), 6.43:1 (auto model)

### SUSPENSION

#### Front:

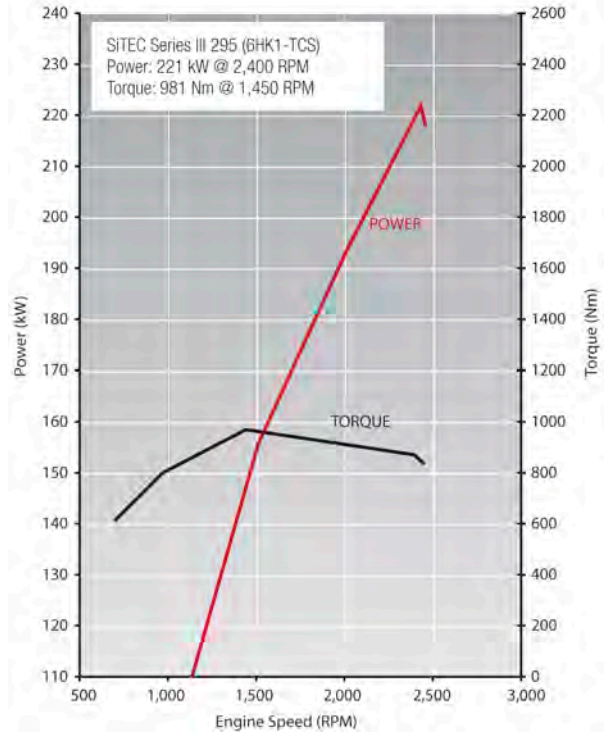
- Single stage alloy steel taper leaf springs.
- Double acting hydraulic shock absorbers. Stabiliser bar.

#### Rear (FVR 1000):

- Multi leaf main spring, multi leaf helper spring. Stabiliser bar.

#### Rear (FVD 1000):

- Hendrickson HAS230 airbag. 10,400 kg capacity at ground.
- Outboard mounted double acting shock absorbers.



### BRAKES

- Meritor 'Q-Plus' dual circuit full air 'S-cam' front and rear drum brakes with auto slack adjusters.
- ABS.
- Hill Start Aid (HSA) - except auto model.
- Front drum size: 419 x 127 mm
- Rear drum size: 419 x 178 mm
- Spring park brake.
- Air controlled exhaust brake.
- Air dryer.

### STEERING

- Power assisted recirculating ball steering.
- Gear ratio: 22.4:1
- Turns lock to lock: 5.4
- Maximum angle: 45° (inside wheel) / 35° (outside wheel)

### WHEELS AND TYRES

- 22.5 x 8.25 ten stud ISO standard steel wheels.
- **Steer axle:** 295/80R22.5 152/148M Michelin XZE2 Tubeless
- **Drive axle:** 11R22.5 148/145L Michelin XDE2 Tubeless
- Maximum tyre rating:
  - Steer axle: 7,100 kg
  - Drive axle: 11,600 kg
- Spare wheel and XZE2 tyre assembly with winch type carrier.

## CHASSIS FRAME

- Cold rivetted ladder frame with parallel side rails.
- Frame sidemember material:
  - **Medium and auto:** HT540A
  - **Long:** SAPH440
- Frame dimensions:
  - **Medium and auto:**  
Side rail (mm): 254 x 85 x 8.0, Rear frame width (mm): 850
  - **Long:**  
Side rail (mm): 258 x 85 x 10, Rear frame width (mm): 850

## FUEL TANK

- Frame mounted fuel tank. 200L steel (medium & auto), 400L aluminium (long w/base).
- Lockable fuel cap.

## ELECTRICAL SYSTEM

- 24 volt electrical system.
- **Manual model:** 60 amp alternator. **Auto model:** 90 amp alternator.
- 24 Volt, 4.5 kW starter motor.
- 2 x 115E41L (651 CCA) batteries connected in series.

## CABIN SPECIFICATIONS AND APPOINTMENTS

### CAB EXTERIOR

- All steel construction with electro-hydraulic cab tilt. High tensile steel used for cab underframe.
- Complies with ECE-R29 cab strength standard.
- Full floating cab with coil spring suspension and hydraulic shock absorbers.
- Heavy duty non slip entry steps.
- 90° opening internally reinforced front doors.
- Water spray suppression guards and front mudflaps.
- Laminated windscreen with shade band.
- Two speed windscreen wipers, with intermittent wipe mode.
- Halogen multi-reflector headlamps incorporating turn signals and front foglamps. Additional door mounted side indicator lamps.
- Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm.
- Roof-mounted clearance lamps.
- Heated and powered exterior main mirrors with flat glass and additional powered convex "spot" mirrors.
- Body coloured grille.
- Body coloured steel air dam bumper.
- FUPD underbar - complies with ECE-R93.

### CAB INTERIOR

- Isri 6860 air suspension driver's seat with pneumatic lumbar support, height, rake and automatic weight adjustment.
- Front passenger adjustable bucket seat and front centre seat with folding seat back.
- 3-point lap sash seatbelts in all outboard seating positions. Driver seatbelt with pretensioner integrated with driver seat. Centre seat lap belts.
- ADR 42 compliant sleeper with mattress.
- Driver airbag.
- Door and roof pillar entry assist grips.
- Full interior trim, padded roof lining and vinyl floor covering. Driver and passenger windscreen header storage shelf.
- Tilt/Telescopic adjustable steering column, soft feel urethane steering wheel.
- Electric windows.
- Central locking with remote keyless entry and immobiliser.
- Twin cup holders. 24V cigarette lighter. Dashboard hook.
- Front door mounted storage pockets and driver's side ashtray.
- Centre console box with storage tray. Fold down storage tray behind centre seat backrest.
- Front passenger glovebox.

- Fully integrated auto control air conditioning and heater/demister with 4-speed fan and outlets for windscreen, side windows, face and floor.
- Fluorescent type interior lamp with On/Door/Off switch.
- 2 DIN, two speaker radio/CD multimedia unit with 4.8" LCD touch screen and Bluetooth. Provision for SD card, USB and 3.5 mm plug inputs.
- DIN sized compartment for storage or for CB radio installation.

### DRIVER CONTROLS

- Key-operated engine start/stop and steering lock. Engine idle speed control.
- HSA slow/fast engagement control and on/off switch (except auto model).
- DPD regeneration.
- Pushbutton gear selection control (auto model).
- **Left side combination stalk:** Windscreen wipers, washers and exhaust brake.
- **Right side combination stalk:** Turn signals, headlamps and cruise control.

### INSTRUMENTATION

- Electronically driven speedometer and tachometer. Digital odometer with integrated dual tripmeter. Engine coolant temperature, fuel level and air pressure gauges.
- **Warning lamps:** Check engine, oil pressure, ABS, SRS airbag, alternator charge, service brakes, park brake, seatbelt unfastened, low air pressure, low fuel level, cab lock.
- **Indicator lamps:** HSA (except auto model), warm up system, high beam, DPD status, exhaust brake, turn signals, cruise control.
- Multi-information display. Shows service interval, instantaneous and average fuel consumption, DPD bar chart, hourmeter, voltmeter, time/day/date and includes 40-120 km/h adjustable vehicle speed warning.

### OPTIONS AND GENUINE ACCESSORIES

Include the following (extra cost, request a brochure and further details from your Isuzu dealer):

- Satellite navigation - integrates with multimedia unit and includes NAVTEQ mapping.
- Up to three audio/visual reversing cameras - integrates with multimedia unit.
- Airbag compatible bullbar.
- Air deflector.
- Rear axle cross lock.



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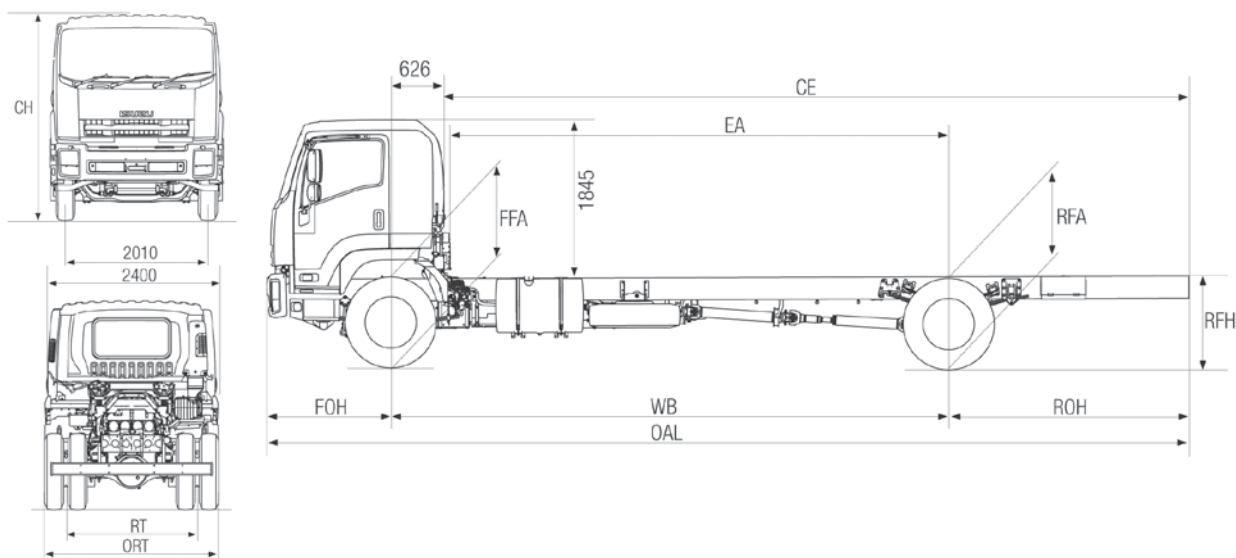
### WEIGHTS (kg)

Models	Ratings*		Loading Limit* (at ground)		Cab Chassis Mass #		
	GVM	GCM	Front	Rear	Front	Rear	Total
FVR 1000 Medium	16,500	32,000	6,600	10,400	3,235	2,035	5,270
FVR 1000 Auto	16,500	32,000	6,600	10,400	3,495	2,030	5,525
FVR 1000 Long	16,500	32,000	6,600	10,400	3,515	2,200	5,715
FVD 1000 Auto	16,500	32,000	6,600	10,400	3,445	1,870	5,315
FVD 1000 Long	16,500	32,000	6,600	10,400	3,505	2,050	5,555

\* Vehicle ratings and front/rear weight limits are subject to government regulatory requirements and weight distribution analysis. 16,500 kg is maximum optional GVM rating. Consult your Isuzu dealer to select the correct vehicle for your specific application. # Cab chassis only as supplied and including 10 litres of fuel.

### DIMENSIONS (mm)

Models	WB	OAL	FOH	ROH	EA	CE	RT	ORT	CH	Turn Circle (m)			
										FFA (unladen)	RFA (unladen)	RFH (unladen)	KERB TO KERB
FVR 1000 Medium	4,250	7,405	1,440	1,715	3,550	5,340	1,840	2,445	2,760	1,000	1,085	1,110	14.8
FVR 1000 Auto	5,550	9,255	1,440	2,265	4,850	7,190	1,840	2,445	2,760	1,000	1,085	1,120	19.4
FVR 1000 Long	6,500	10,740	1,440	2,800	5,800	8,675	1,840	2,445	2,760	1,000	1,085	1,120	22.7
FVD 1000 Auto	5,550	9,255	1,440	2,265	4,850	7,190	1,840	2,445	2,760	1,000	1,010	1,010	19.4
FVD 1000 Long	6,500	10,740	1,440	2,800	5,800	8,675	1,840	2,445	2,760	1,000	1,010	1,010	22.7



### PERFORMANCE (calculated - typical paved road)

		Geared Speed* (top gear at peak power engine RPM)	Low Speed Gradeability (lowest forward gear assuming no wheel slip)	Engine Speed (top gear at 100km/h)
FVR / FVD 1000	At 16,500 kg GVM	110 km/h @ 2,400 RPM	57%	2,180 RPM
FVR / FVD 1000 Auto	At 16,500 kg GVM	111 km/h @ 2,400 RPM	47%	2,160 RPM

### ISUZU WARRANTIES

STANDARD <sup>1</sup>		
New Vehicle	3 years • 200,000km • 3,000 hours	
Cab Perforation Corrosion	3 years • unlimited km's	
EXTENDED <sup>2</sup>		
4 years, 300,000km	5 years • 350,000km	6 years • 400,000km
Isuzu Assist - 24 hour roadside assistance (3 years, unlimited km's)*		

### ORDER CODES

Model	Code	Model	Code
FVR 1000 Medium	FH-FVRJZ-B11	FVD 1000 Auto	FH-FVDJZ-M11
FVR 1000 Auto	FH-FVRJZ-M11	FVD 1000 Long	FH-FVDJZ-D11
FVR 1000 Long	FH-FVRJZ-D11		

<sup>1</sup> Subject to the conditions outlined in the IAL New Vehicle Warranty, the Isuzu FVR and FVD models carry a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 36 months or 200,000 km or 3,000 hrs (whichever comes first), (ii) against cab perforation corrosion, for 36 months and unlimited kilometres. <sup>2</sup> Extended Warranty as illustrated is available by purchase to cover the owner against the failure of original components, but may exclude some components and expendable items such as oil, filters, etc. Please consult with your Isuzu Dealer for full details obtained from a dedicated brochure available to customers. \*Valid for three years from the date of new vehicle purchases.

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TIC: Isuzu is a member of the Truck Industry Council - Safer Greener Essential.

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