

FVM 1400

FVL 1400



FVL 1400 pictured

AUSTRALIA'S TOP SELLING TRUCK BRAND SINCE 1989. Truck tracker 2009.

AT A GLANCE

GVM	22,500 kg (FVM) 24,000 kg (FVL)
GCM	32,000 kg
Power	221 kW @ 2,400 rpm
Torque	981 Nm @ 1,450 rpm

ADVANCED TECHNOLOGY

- Emissions: Euro IV - exceeds ADR80/02
- Driver airbag with seatbelt pretensioner
- ADR 42 compliant sleeper with mattress
- ECE-R29 compliant cab
- ECE-R93 compliant Front Underun Protection Device (FUPD) - FVL only
- Anti-lock Braking System (ABS)
- Hill Start Aid (HSA)
- Electric mirrors
- Electro-hydraulic cab tilt
- Coil spring cab suspension
- Front stabiliser bar
- Cruise control
- Isri 6860 seat with integrated seatbelt



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Driveline & Chassis Specifications

ENGINE: SITEC SERIES II 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:** Two-stage electronically cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/02 (Euro IV) compliant.

CLUTCH

- Air assisted hydraulic control. Single plate 381 mm diameter.
- Total lining area: 1,363 cm²

TRANSMISSION

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- 9 speed with air assisted shift.
- Synchromesh 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

AXLES

FVM 1400:

- Front:** ISUZU F065
- Reverse Elliot I-beam. 6,500 kg capacity.

Rear:

- ISUZU RT165
- Drive and lazy axle combination. 16,500 kg capacity.
 - Drive ratio: 6.143:1

FVL 1400:

Front: MERITOR

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

Rear: MERITOR

- RS-23-161G + TR4670 drive and lazy axle combination. 20,000 kg capacity.
- Drive ratio: 6.14:1

SUSPENSION

Front:

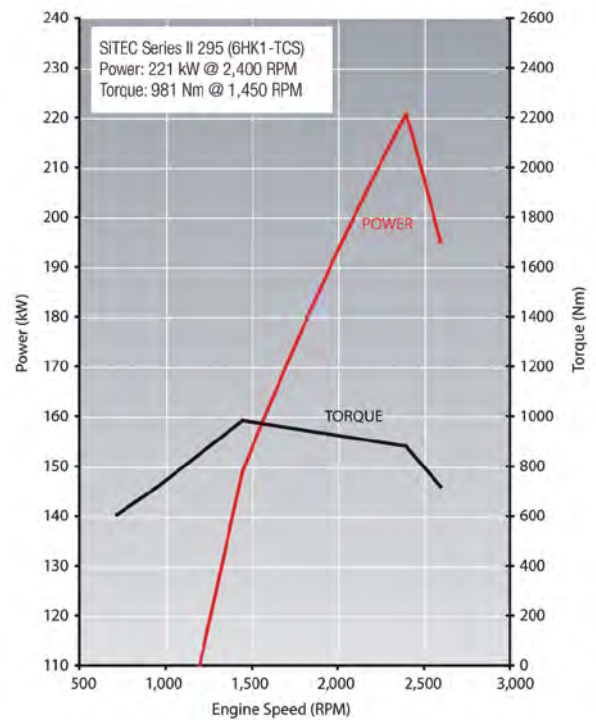
- Single stage alloy steel taper leaf springs.
- Double acting hydraulic shock absorbers. Stabiliser bar.

Rear (FVM 1400):

- Multi leaf springs with Isuzu 6 rod and trunnion location system.

Rear (FVL 1400):

- Hendrickson HAS400 airbag. 18,100 kg capacity at ground.
- Outboard mounted double acting shock absorbers.



BRAKES

- ABS.
- Hill Start Aid (HSA).
- Spring park brake acting on all rear wheels.
- Air controlled exhaust brake.
- Air dryer.

FVM 1400:

- Dual circuit full air taper roller front and rear drum brakes.
- Front drum size: 410 x 140 mm
- Rear drum size: 410 x 180 mm

FVL 1400:

- Meritor 'Q-Plus' dual circuit full air 'S-cam' front and rear drum brakes with auto slack adjusters.
- Front drum size: 419 x 127 mm
- Rear drum size: 419 x 178 mm

STEERING

- Power assisted recirculating ball steering.
- Gear ratio: 22.4:1
- Turns lock to lock: 5.4

Maximum angle:

FVM: 49° (inside wheel) / 37° (outside wheel)

FVL: 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
- **Lazy axle:** 11R22.5 148/145L Michelin XZE2 Tubeless
- **Drive axle:** 11R22.5 148/145L Michelin XDE2 Tubeless
- Maximum tyre rating:
 - Steer axle: 7,100 kg
 - Drive and lazy axle set: 23,200 kg
- Spare wheel and XZE2 tyre assembly with winch type carrier.

CHASSIS FRAME

- Cold rivetted ladder frame with parallel side rails. SAPH440 weldable steel sidemembers.
- Frame dimensions:
 - Side rail (mm): 258 x 85 x 10
 - Rear frame width (mm): 850

FUEL TANK

- Frame mounted 400L aluminium fuel tank.
- Lockable fuel cap.

ELECTRICAL SYSTEM

- 24 volt electrical system.
- 60 amp alternator.
- 24 Volt, 4.5 kW starter motor.
- 2x 80D26L (630 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 underun bar (FVL only) - 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.
- DPD regeneration.
- **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, 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.
- Drive axle cross lock (FVL only).

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SPECIFICATIONS

Weights (kg)

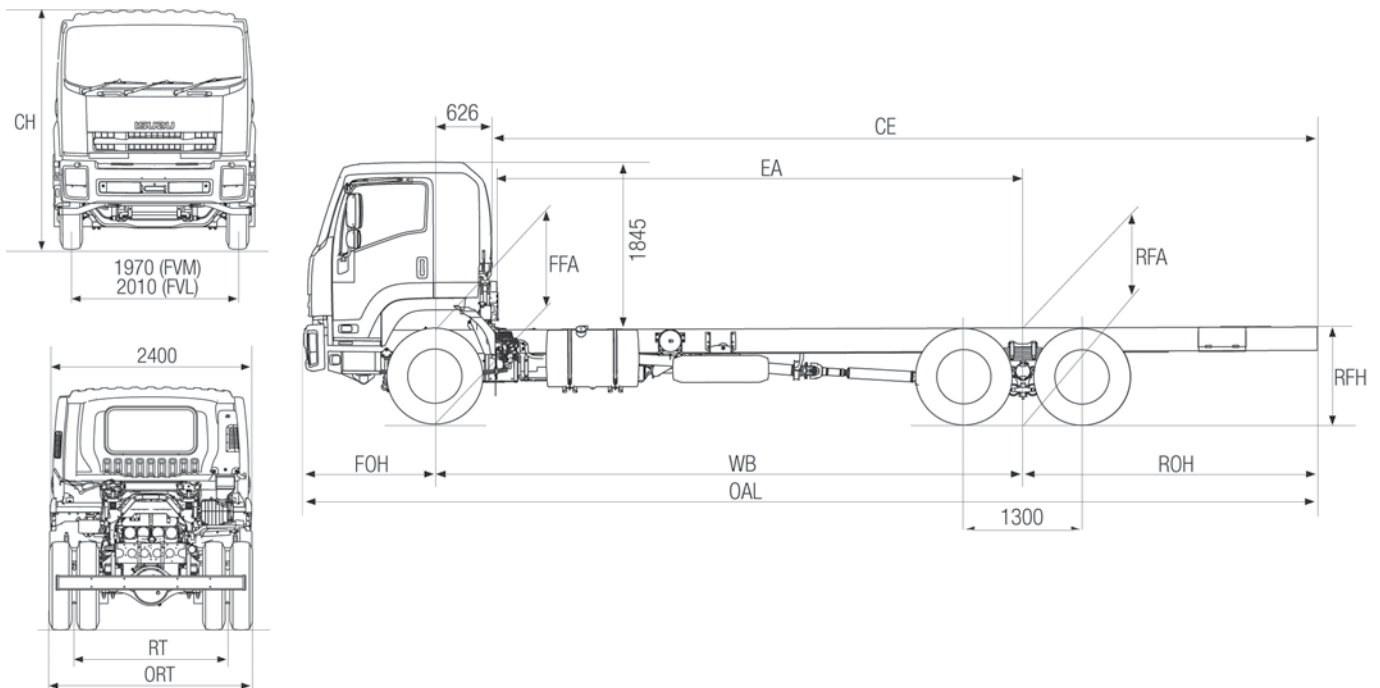
Models	Ratings*		Loading Limit* (at ground)		Cab Chassis Mass#		
	GVM	GCM	Front	Rear	Front	Rear	Total
FVM 1400 Long	22,500	32,000	6,500	16,500	3,505	3,370	6,875
FVL 1400 Long	24,000	32,000	6,600	18,100	3,465	3,210	6,675

* Vehicle ratings and front/rear weight limits are subject to government regulatory requirements and weight distribution analysis. 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	FFA (unladen)	RFA (unladen)	RFH (unladen)	Turn Circle (m)
													KERB TO KERB
FVM 1400 Long	6,470	11,150	1,440	3,240	5,770	9,085	1,840	2,445	2,780	980	1,065	1,100	21.5
FVL 1400 Long	6,470	11,150	1,440	3,240	5,770	9,085	1,840	2,445	2,780	1,000	1,015	1,015	22.6



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 100 km/h)
FVM 1400	At 22,500 kg GVM	101 km/h @ 2,400 RPM	45%	2,380 RPM
FVL 1400	At 24,000 kg GVM	101 km/h @ 2,400 RPM	42%	2,380 RPM

Isuzu Warranties

STANDARD¹

New Vehicle	3 years 200,000 km 3,000 hrs
Cab Perforation Corrosion	3 years Unlimited km

EXTENDED²

4 years 300,000 km	5 years 350,000 km	6 years 400,000 km
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Order Codes

Model	Code
FVM 1400 Long	FH-FVMJZ-D01 (MU9)
FVL 1400 Long	FH-FVLJZ-D01 (MU9)

¹ Subject to the conditions outlined in the IAL New Vehicle Warranty, the Isuzu FVM and FVL 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. ² 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.

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