AUSTRALIA’S TOP SELLING TRUCK BRAND SINCE 1989.

**FVM 230-300 6x2**

**FVL 240-300 6x2**

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**AT A GLANCE**

<table>
<thead>
<tr>
<th>Specification</th>
<th>FVM 230-300 6x2</th>
<th>FVL 240-300 6x2</th>
</tr>
</thead>
<tbody>
<tr>
<td>GVM</td>
<td>23,000 kg</td>
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</tr>
<tr>
<td>GCM</td>
<td>32,000 kg</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>221 kW @ 2,400 rpm</td>
<td></td>
</tr>
<tr>
<td>Torque</td>
<td>981 Nm @ 1,450 rpm</td>
<td></td>
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</table>

* *Refer to back page for detailed weight rating information*

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**ADVANCED TECHNOLOGY**

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

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* Satellite Navigation functions and maps provided at no extra cost, with up to four quarterly updates provided by user free download for the first three years of ownership, after which updates can be purchased at additional cost.

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* TIC: Isuzu is a member of the Truck Industry Council - Safer Greener Essential.
DRIVELINE AND CHASSIS SPECIFICATIONS

ENGINE: 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
Max torque (DIN-NET): 981 Nm (724 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 cm²

TRANSMISSION

ZF 9 S 1110 TO

- 9 speed with air assisted shift.
- Synchronesh 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 3500 series (auto model)

- 6 speed automatic. 5th generation electronic controls with adaptive shift.
- Allison long life TranSynd synthetic fluid.
- LH5 and top PTO openings on transmission bellhousing. Engine driven PTO drive gear.
- Gear ratios (-1)
  1st  2nd  3rd  4th  5th  6th  Rev
  4.59 2.25 1.54 1.00 0.75 0.65 5.00

AXLES

FVM 230-300:
Front: Isuzu F065
- Reverse Elliot I-beam. 6,500 kg capacity.

FVL 240-300:
Front: Meritor
- FG941 reverse Elliot I-beam. 6,600 kg capacity.

FVM 230-300:
Rear: ISUZU RT165
- Drive and lazy axle combination. 16,500kg capacity.
- Drive ratio: 6.143

FVL 240-300:
Rear: MERITOR
- RS-23-161G + TR4670 drive and lazy axle combination, 20,000kg capacity.

SUSPENSION

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

REAR (FVM 230-300):
- Multi leaf springs with Isuzu 6 rod and trunnion location system.

REAR (FVL 240-300):
- Hendrickson HAS400 airbag. 18,100 kg capacity at ground.
- Outboard mounted double acting shock absorbers.

BRAKES

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

FVM 230-300:
- 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 240-300:
- 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 X Multi Z Tubeless
- Lazy axle: 11R22.5 148/145L Michelin X Multi Z Tubeless
- Drive axle: 11R22.5 148/145L Michelin X Multi D Tubeless
- Maximum tyre rating:
  Steer axle: 7,100 kg
  Drive and lazy axle set: 23,200 kg
- Spare wheel and X Multi Z 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.

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. Outboard front passenger seatbelt fitted with pretensioner. Centre seat lap belts.
- ADR 42 compliant sleeper with mattress.
- Driver and outboard front passenger 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.
- Front door mounted storage pockets and driver's side ashtray.
- Centre console box with storage tray. Fold down storage tray behind centre seat backrest.
- 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 multimedia unit with 6.2" LCD capacitive touch screen. 1.6GHz processor with Android operating system. DAB+ digital radio and fully integrated Bluetooth with voice recognition. Intbuilt PDF, photo and movie viewer. Internet radio accessible via smartphone. 32GB internal file storage. USB and auxiliary input connection provisions. Firmware and map updates possible via smartphone.
- DIN sized compartment for storage or for CB radio installation.

ELECTRICAL SYSTEM
- 24 volt electrical system.
- 90 amp alternator.
- 24 Volt, 5.0 kW starter motor.
- 2 x 115E41L (651 CCA) batteries connected in series.
- Underdash CAN interface unit and connector. SAE J1939 protocol. Facilitates connection to a Fleet Management System (FMS) (not supplied).

ISUZU SATELLITE NAVIGATION
Integrated with radio/CD multimedia unit. Displayed information includes:
- Points of interest and Isuzu truck dealer locations.
- Road safety alerts.
- Speed limits and traffic signals.
- Route selection based on entered information such as vehicle weight and dimensions.

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, low coolant level, ABS, SRS airbag, alternator charge, service brakes, park brake, seat belt 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.
- Gear selection display (auto model).
- 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 and further details from your Isuzu dealer):
Multimedia unit:
- Supports up to five camera inputs. One digital camera with infra red and rear microphone input active when reversing. Four analogue cameras.
- Reversing sensors
- Tyre pressure monitoring system
Other:
- Airbag compatible bullbar.
- Air deflector.
- Drive axle cross lock (FVL only).

ISUZU CARE
Isuzu Care gives truck owners access to products and services including Roadside Assist, Service Agreements, Extended Care, Extended Isuzu Assist and the Isuzu Care Centre. Call 1800 035 640.
1 Subject to the conditions outlined in the Isuzu 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 may be purchased to cover the owner against the failure of original components, but may exclude some components and expendable items such as oil, filters, etc. *Valid for three years from the date of new vehicle purchases. All Isuzu warranties are subject to mandatory prescribed terms under Australian Consumer law including customer guarantees. For more details visit the Isuzu website which explains Isuzu warranties in more detail, or alternatively contact your local dealer. All warranties commence from date of delivery.

* 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.

| WEIGHTS (kg) |
|-----------------|----------------|-----------------|-----------------|-----------------|
| Models          | GVM            | GCM             | Loading Limit* (at ground) | Cab Chassis Mass # |
|                 | Front          | Rear            | Front            | Rear            | Total            |
| FVM 230-300 LWB | 23,000         | 32,000          | 6,500           | 16,500          | 3,505            | 3,370            | 6,875            |
| FVL 240-300 LWB | 24,000         | 32,000          | 6,600           | 18,100          | 3,570            | 3,250            | 6,820            |
| FVL 240-300 AUTO LWB | 24,000       | 32,000          | 6,600           | 18,100          | 3,540            | 3,310            | 6,850            |

| DIMENSIONS (mm) |
|-----------------|----------------|----------------|-----------------|-----------------|
| Models          | WB             | OAL            | FOH             | ROH             |
|                 |                 |                 |                 |                 |
| FVM 230-300 LWB | 6,470          | 11,150          | 1,440           | 3,240           |
| FVL 240-300 LWB | 6,470          | 11,150          | 1,440           | 3,240           |

<table>
<thead>
<tr>
<th>PERFORMANCE (calculated - typical paved road)</th>
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<tbody>
<tr>
<td>Geared Speed*</td>
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<tr>
<td>Low Speed Gradeability</td>
</tr>
<tr>
<td>Engine Speed (top gear at 100km/h)</td>
</tr>
<tr>
<td>Geared Speed* (top gear at peak power engine RPM)</td>
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<td>Isuzu FVM 230-300 / FVL 240-300 / FVL 240-300 AUTO LWB</td>
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<td>Isuzu Assist: 24 hour roadside assistance (3 years, unlimited km)*</td>
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<td>Cab Perforation Corrosion</td>
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