

ISUZU

SPECIFICATIONS

NEW
NEW GENERATION ISUZU
GEN

FVM 1400

FVL 1400



FVL 1400 pictured

AUSTRALIA'S TOP SELLING TRUCK BRAND SINCE 1989. Truck tracker 2007.

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

- Driver airbag with seatbelt pretensioner
- 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

RELIABILITY IS EVERYTHING **ISUZU**

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

ZF 9 S 1110 TO

- 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

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:

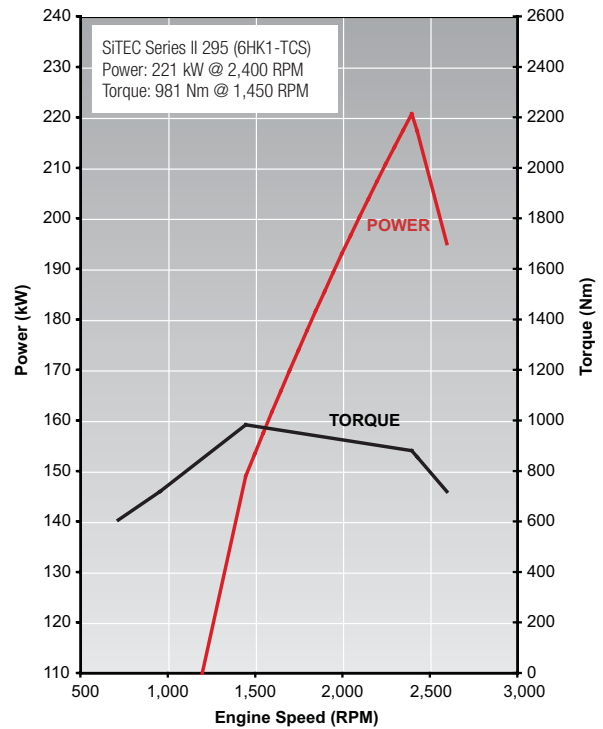
- Single stage alloy steel taper leaf springs.
- Double acting hydraulic shock absorbers. Stabiliser bar.

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.
- 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.

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 pre-tensioner integrated with driver seat. Centre seat lap belts.
- 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 and module for Bluetooth/iPod input/SD card reader.
- 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, 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 brake failure, 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.
- 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, check with dealer for availability):

- Replacement module for Bluetooth/iPod input/SD card reader/sat.nav. (includes NAVTEQ mapping).
- Up to two reversing cameras.
- Cloth seat covers.
- Drive axle cross locks (FVL only).

