



# 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





## **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 (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: 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 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: MFRITOR

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

### **SUSPENSION**

## Front:

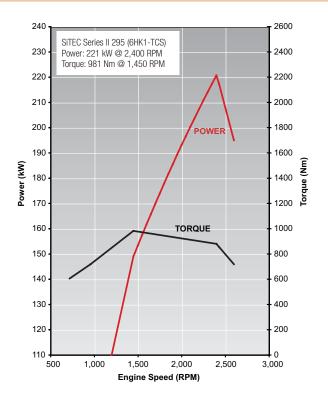
- Single stage alloy steel taper leaf springs.
- Double acting hydraulic shock absorbers. Stabiliser bar.

## Rear (FVM 1400):

 $\bullet\,$  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

#### FIIFI 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 electo-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 lumber 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.
- · Flourescent 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 exhust 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).

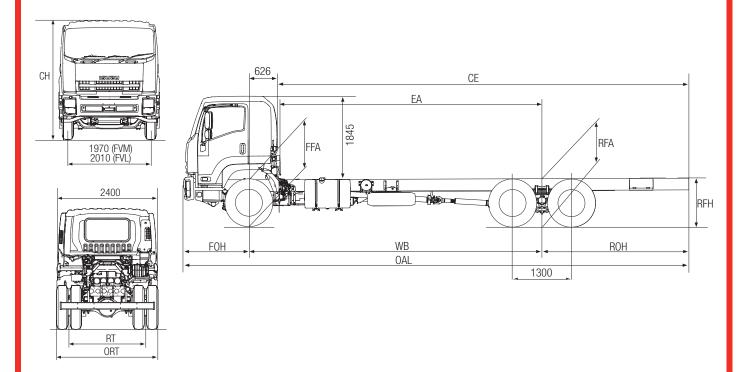




#### Weights (kg) Ratings\* Loading Limit\* (at ground) Cab Chassis Mass# Models GVM GCM Front Front Rear Total FVM 1400 Long 22,500 6,500 16,500 32.000 3.505 3.370 6.875 FVL 1400 Long 24,000 32,000 6,600 18,100 3,410 3,220 6,630

<sup>\*</sup> 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)									Turn Circle (m)				
Models	WB	OAL	FOH	R0H	EA	CE	RT	ORT	СН	FFA (unladen)	RFA (unladen)	RFH (unladen)	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		

Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information. Vehicle is speed limited to 100km/h.

Isuzu Warranties						
STANDARD <sup>1</sup>						
New Vehicle	3 years   200,000 km   3,000 hrs					
Cab Perforation Corrosion	3 years   Unlimited km					
EXTENDED <sup>2</sup>						
4 years   300,000 km	5 years   350,000 km	6 years   400,000 km				

Order Codes				
Model	Code			
FVM 1400 Long	FH-FVMJZ-D01			
FVL 1400 Long	FH-FVLJZ-D01			
FVL 1400 Long	FH-FVLJZ-D01			

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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