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ISUZU F Series



FUTURE DRIVEN



ISUZU
FV*1000

MAIN SPECIFICATIONS

Model	FVR1000M	FVR1000L	FVD1000L
Code	FV101	FV111	FV103
Configuration	4 x 2		
Gross Vehicle Mass	16,500Kg		
Gross Combination Mass	32,000Kg		
Maximum towed mass braked	20,000 Kg		
Maximum towed mass unbraked	2,000 Kg		
Gradeability at GVM/GCM (1st gear)	73%/31%		
Est. Engine RPM @ 90 Km/h	2150		
Turning circle kerb to kerb (m)	14.8	19.4	

DRIVELINE SPECIFICATIONS

Engine Model	6HK1-TCS		
Type	6 cylinder 24 valve, gear driven SOHC. EuroIV exhaust emission compliant		
Displacement (cc)	7,790		
Compression ratio	17.5:1		
Max power (DIN Nett)	221kW 300PS (JIS Gross 228kW, 310PS) @ 2400 RPM		
Max torque (DIN Nett)	981N.m (JIS Gross 1014N.m) @ 1450 RPM		
Transmission model	ZF 9S 1110 TO		
Forward gears	9		

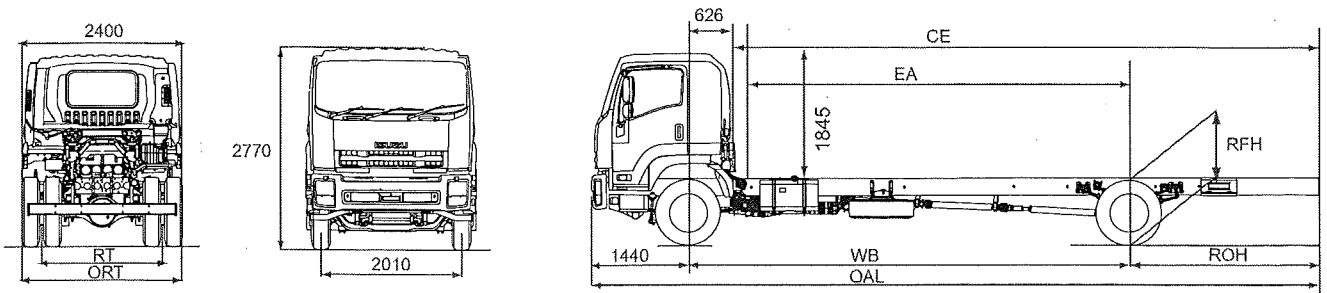
KERB MASS* (kg)

	FVR1000M	FVR1000L	FVD1000L
Front	3,175	3,320	3,450
Rear	2,050	2,005	2,060
Total	5,225	5,325	5,510

* Cab chassis as supplied from the factory and 10 litres of fuel

DIMENSIONS (mm)

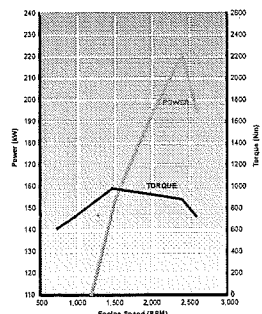
WB: Wheelbase	4,250	5,550	
OAL: Overall length	7,405	9,255	
EA: Rear of engine to rear axis	3,550	4,849	
CE: Cab to rear of frame	5,340	7,189	
ROH: Rear overhang	1,715	2,265	
RT: Rear track	1,840		
ORT: Overall rear tyres	2,445		
FW: Frame width @ Rear	850		
RFH: Frame height at rear axis	1,045	980	
BOC: Back of Cab Clearance	75		



Drive Line Specifications

Engine-ISUZU 6HK1--TCS

- Bore x Stroke 115mm x 125mm



Emission control system

- Euro IV with cooled Exhaust Gas recirculation and Diesel Particulate Diffuser (DPD)

Lubrication

- Cartridge element type oil filter
- Plate type oil cooler
- System capacity approx 15.5 litres

Cooling system

- Temperature controlled viscous fan hub
- Approx coolant capacity 29.5 litres

Fuel System

- Electronically controlled, direct injection high pressure common rail
- Water in fuel sensor
- Lockable fuel cap
- Steel fuel tank capacity 200 litres (M model)
- Aluminum fuel tank capacity 400 litres (L Models)

Air Intake System

- Electronically controlled variable nozzle turbo charger with Air to Air Intercooler
- Rear of cab vertical air intake

Clutch (manual models)

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

Transmission: ZF 9S 1110 TO

- 9 speed manual synchromesh on gears 1 through 8, with air assist shift and repeat H shift pattern
- PTO provision at the rear of the transmission case
- Approx oil capacity 8.0 litres

Ratios :1

- Crawler 9.48
- 1st 6.58, 2nd 4.68, 3rd 3.48, 4th 2.62
- 5th 1.89, 6th 1.35, 7th 1.00, 8th .75, Rev 8.97

Front Axle: Meritor FG941

- Reverse Elliot I beam
- Capacity 6,600Kg

Rear Axle: Meritor RS-23-161G

- Full floating Banjo type
- Capacity 10,400Kg
- 457mm diameter ring gear
- Approx oil capacity 15.0 litres
- Ratio; 5.63:1

Load limit Kg (on ground)

Front	Rear
6,300	9,200
6,000	Legal limit 8,200

Chassis Specification

Front Suspension

- Single stage, alloy steel, taper leaf spring 1600x80x21-1,24-2, constant 285 N/mm
- Stabiliser bar
- Double acting hydraulic Shock absorbers

Rear Suspension

- FVR; Multi leaf spring main and helper Main 1640x100x12-8, constant 358N/mm Helper 1420x100x10-2, 11-4 combined 1,010N/mm
- Stabiliser bar
- FVD; Hendrickson HAS230 air bag
- Outboard mounted double acting hydraulic shock absorbers
- 10,400 kg capacity at ground

Steering

- Power assisted recirculating ball

- Gear ratio 22.4:1
- Turns lock to lock 5.4

Brakes

- Meritor "Q Plus" dual circuit full air "S cam" front and rear drum brakes with auto slack adjusters
- ABS
- Hill Start Aid
- Front drum size 419mmx127mm
- Rear drum size 419mmx178mm
- Spring park brake
- Air dryer
- Air controlled exhaust brake

Chassis Frame

- Cold rivetted ladder frame, weldable steel parallel side members
- M W/B Frame side rail dimensions(mm)

- 254x85x8.0, material HT540A
- L W/B Frame side rail dimensions(mm) 258x85x10, material SAPH440
- Please refer to the *Isuzu Builders guide for chassis modifications and body fitment*

Wheels and Tyres

- 22.5x8.25x165mm ten stud steel wheels
- 275/70R22.5 148/145M tubeless tyres
- Wheels painted silver
- Frame mounted spare wheel and tyre

Electrical System

- 24 volt negative earth system
- Alternator 60 amp
- Battery 2 x 80D26L, 582CCA @-18c

Cabin Specifications

Cab Exterior

- All steel construction, high tensile steel used for cab underframe and door side impact beam reinforcement, with electro hydraulic cab tilt
- Full floating cab with four point coil spring suspension and double acting hydraulic shock absorbers
- Heavy duty non slip cab entry steps
- 90° opening doors
- Door mounted 19" mirror assemblies with heated and electric flat glass main and convex spot mirrors
- Air dam type steel bumper with front fog lamps
- Halogen multi reflector headlamps incorporating turn signal, additional door mounted side indicator lamps
- Roof mounted end position lamps
- Combination brake, turn, reverse and marker lamps, registration plate lamps, extended wiring harness, reverse alarm

Cab Interior

- ISRI 6860 air suspension drivers seat with pneumatic lumbar support, height, rake and auto weight adjustment, capacity up to 150kg
- Front passenger adjustable bucket seat and front

Warranty

Vehicle: 24 months/150,000kms*
 Power train. 36 months/200,000kms*
 Corrosion (Perforation): 36 months
 * Which ever occurs first. Subject to the terms & conditions detailed in the Owners manual Service and Supplement

- centre seat with folding seat back
- 3 point ELR seatbelts in all outboard seating positions, drivers seatbelt with pretensioner intergrated with the seat
- Centre seat lap seat belt
- Driver side SRS including air bag
- Door and roof pillar entry assist grips
- Lined cab interior, padded roof lining and vinyl floor coverings
- LH and RH overhead storage shelf
- Height/reach adjustable steering column, soft feel urethane steering wheel
- Electric windows
- Central locking with remote keyless entry and engine immobiliser
- Twin cup holders, 24v cigarette lighter.
- Door mounted storage pockets
- LH side glove box
- Centre console box with storage tray. Fold down storage tray behind centre seat backrest
- Passenger side glove box
- Fluorescent type Interior light
- Intergrated air conditioning with 4 speed fan

Please refer to the Owners and Drivers Manual for more detailed operation, driving instructions and warnings

A policy of continual improvement means that the specifications are subject to change without notice. Contact your Isuzu dealer to confirm specifications

- Radio/single disc CD with 2 speakers and auxillary input jack port
- 5 DIN sized compartments for storage or additional communication units
- ADR42 sized compliant sleeper

Instrument & Controls

- Speedometer with digital odometer and two tripmeters
- Tachometer, engine coolant temperature, fuel level and dual air pressure gauges
- Two speed wipers with intermittent wipe mode
- Key operated engine start/stop and steering lock
- HSA slow/fast engagment control and on/off switch
- DPD manual regeneration switch
- Multi display
- LH combination stalk: windscreen wipers, washers and exhaust brake
- RH combination stalk: turn signals, headlamps
- Warning lamps: check eng, oil pressure, ABS, SRS alternator charge, service brakes, park brake, seat belt unbuckled, low air pressure, low fuel level, cab lock, water in fuel
- Indicator lamps: HSA, warm up system, high beam, DPD status, exhaust brake, turn signals
- Multi display: shows service interval, instantaneous and average fuel consumption, DPD bar chart, hourmeter, voltmeter, time/day/date and 40-120km/h adjustable vehicle speed warning