



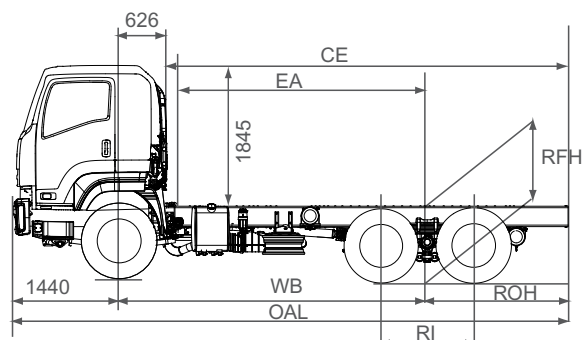
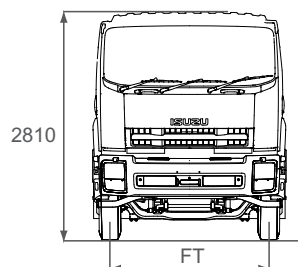
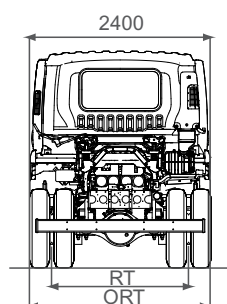
MAIN SPECIFICATIONS		
Model	FVL1400	FVM1400
Code	FV104	FV105
Configuration	6 x 2	
Gross Vehicle Mass	24,000kg	22,500kg
Gross Combination Mass	32,000Kg	
Maximum towed mass braked	20,000 Kg	
Maximum towed mass unbraked	2,000 Kg	
Gradeability at GVM/GCM (1st gear)	42%/30%	45%/30%
Est. Engine RPM @ 90 Km/h	2140	
Turning circle kerb to kerb (m)	22.6	21.5

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)		
Front	3,410	3,505
Rear	3,220	3,370
Total	6,630	6,875

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

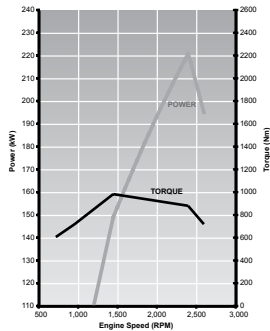
DIMENSIONS (mm)		
WB: Wheelbase	6,470	
OAL: Overall length	11,150	
EA: Rear of engine to rear axis	5,770	
CE: Cab to rear of frame	9,085	
ROH: Rear overhang	3,240	
FT: Front track	2,010	1,970
RT: Rear track	1,840	
RI: Rear interaxle	1,300	
ORT: Overall rear tyres	2,445	
FW: Frame width @ Rear	850	
RFH: Frame height at rear axis	1,015	1,065
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
- Aluminum fuel tank capacity 400 litres

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, FVL

- Reverse Elliot I beam
- Capacity 6,600Kg

Front Axle Isuzu FO63, FVM

- Reverse Elliot I beam
- Capacity 6,300Kg,

Rear Axle: Meritor RS-23-161G & TR4670 drive and tag axle combination FVL

- Capacity 20,000Kg
- 457mm diameter ring gear
- Approx oil capacity 15.0 litres
- Ratio; 6.14:1
- **Isuzu RT165, drive and tag axle combination, FVM**
- Capacity 16,500Kg
- 445mm diameter ring gear
- Approx oil capacity 14.0 litres
- Ratio 6.143:1

Load limit Kg (on ground)

	Front		Rear
	6,600	FVL	18,100
	6,300	FVM	16,500
	6,000	Legal limit	15,000

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

- FVM; Multi leaf springs with Isuzu 6 rod and trunnion location system
Main 1,300x90x20-8mm, constant 2,401 N/mm
- FVL; Hendrickson HAS400 air bag
- Outboard mounted double acting hydraulic shock absorbers
- 18,100 kg capacity at ground

Steering

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

Brakes

- Spring park brake
- Air dryer
- Air controlled exhaust brake
- ABS
- Hill Start Aid
- FVL; Meritor "Q Plus" dual circuit full air "S cam" front and rear drum brakes with auto slack adjusters
- Front drum size 419mmx127mm
- Rear drum size 419mmx178mm
- FVM; Dual circuit full air, taper roller, auto adjusting front and rear drum brakes
- Front drum size 410 x 140mm
- Rear drum size 410 x 180mm

Chassis Frame

- Cold rivetted ladder frame.
- weldable steel parallel side members

- Frame side rail dimensions(mm) 258x85x10, material SAPH440
- *Please refer to the Isuzu Body Builders guide for chassis modifications and body fitment*

Wheels and Tyres

- 22.5x8.25x165mm ten stud steel wheels
- 11R22.5 148/145M 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 22" 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, seat capacity 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 engagement 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