



ISUZU FVR 13 HRA

STANDARD GVM 15,000 kg

STANDARD GCM 22,500 kg

ORDERING CODE: 8ERO2 **KERB MASS (estimated)** 4,719 kg

DRIVELINE SPECIFICATION

ENGINE	TRANSMISSION	AXLES	BRAKES
Model: ISUZU 6SA1 Type: Six cylinder OHC diesel Bore & Stroke: 115 × 135mm Displacement: 8413cc Max power (Nett): 135kW @ 2600 rpm (DIN) Max torque (Nett): 560 Nm @ 1400 rpm (DIN) Compression ratio: 16.5:1 RAC Rating: 49.2	Model: ISUZU MLD7R Type: 7 speed overdrive Gear ratios (to 1) 1st 8.181 2nd 5.167 3rd 3.333 4th 2.105 5th 1.347 6th 1.000 7th 0.863 Rev. 8.307	AXLE FRONT Type: Reverse Elliot I beam Capacity: 6,000 kg AXLE REAR Type: Banjo, fully floating Capacity: 10,500 kg Ratio: 5.571:1	Air/Hydraulic WHEELBASE 4,200mm

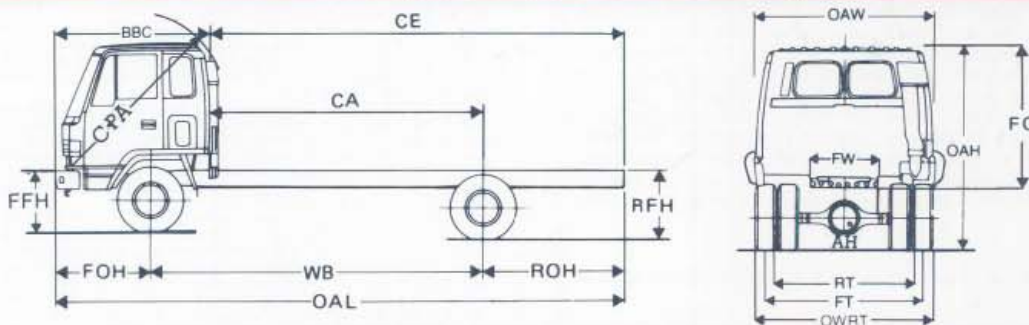
CHASSIS RATINGS

GROSS COMBINATION and GROSS VEHICLE MASS RATING

ESTIMATED KERB MASS (chassis and cab with oil, water and fuel tank containing 10 litres of fuel) (Kg).

GVM (kg)	GCM (kg)	TYRES	FRONT	REAR	TOTAL
15,000	22,500	11.00 R 22.5 - 16 PLY	2653	2066	4,719

DIMENSIONS



LENGTHS

	(mm)
Overall length	OAL 7,380
Wheelbase	WB 4,200
Cab to axle	CA* 3,550
Cab to end of frame	CE* 5,450
Front Overhang	FOH 1,280
Rear Overhang	ROH 1,900
Bumper to back of cab	BBC 1,930

WIDTHS

	(mm)
Overall width	OAW 2,400
Frame width	FW 850
Front track	FT 1,960
Rear track	RT 1,855
Outside width rear tyres	OVRT 2,465

HEIGHTS

	(mm)
Frame to top of cab	FC 1,618
Overall height	OAH 2,615
Ground to top of frame (Front)	FFH 997
(Rear)	RFH 1,035
Rear axle clearance from ground	AH 255

TURNING CIRCLE

Cab pivot arc (45° tilt angle) CPA 2,200

*CE & CA dimensions are effectively reduced by 300mm with fitment of vertical exhaust pipe.

	(m)
Kerb to kerb	15.6
Wall to wall	16.7

ISUZU FVR 13 HRA

CAB/CHASSIS COMPONENT

AXLE FRONT

Type: Reverse Elliot I beam
Capacity: 6000 kg. Toe in: 0°

AXLE REAR

Type: Banjo, fully floating
Capacity: 10,500 kg
Ratio: 5.571:1
Final Gear: 420mm diameter Hypoid

BRAKES, SERVICE

Type: Air over hydraulic dual circuit, front and rear leading - trailing type.

Total lining area: 5,299cm²

Brake drum diam: 410mm front and rear

Brake lining: 140 (w) x 414 (l) x 16 (t) mm front

180 (w) x 414 (l) x 16 (t) mm rear

Compressor: Gear driven at half engine speed

BRAKE, AUXILIARY

Exhaust brake

BRAKE, PARKING

Type: Spring park brake acting on rear wheels

CABIN

EXTERIOR

All steel tilt cab Cation electro deposition primer Manual tilt Laminated windshield 2 speed wiper with intermittent function and washer West Coast type rear view mirrors Dual square Halogen headlamps Fog lamps Combination turn and park lamps Corrosion resistant cabin entry steps Vertical air intake stack Tool kit with 10,000kg capacity jack Access to engine fluid checks without cab tilt operation

INTERIOR

Seats: Driver - Air suspension, reclining with seat slide, height control and lumbar support. Centre - Folding, with console. LH - Reclining Seat material: vinyl Tilt/telescopic steering column Side vent windows AM radio Heater/Demister with 4 speed fan Outlets to screen (4) Chest level (3) Drivers face level (2) Floor level (2) Park brake activation lever beside drivers seat Engine cover mounted gearshift lever Driver and passenger sunvisors Moulded roof lining Overhead parcel shelf

INSTRUMENTATION

GAUGES - Speedometer with odometer, tachometer, water temperature, fuel level and brake air pressure INDICATOR LAMPS: Turning indicators, headlamp high beam, exhaust brake on and park brake engaged WARNING LAMPS: Low brake fluid, clogged air filter, low brake air pressure, stop/tail light failure, low oil pressure, clogged water separator, clogged engine oil filter and low battery charge SWITCHES: Left side combination switch for exhaust brake, wipers and washer. Hazard lamp switch. Fog lamp switch. Right combination switch for headlamps, turn signals and headlamp dip. Key operation for engine start and stop. Externally mounted switch for engine turnover with cab tilted (mounted on rear RH cab mount).

CLUTCH

Type: Hydraulic control. Dry single plate with cushioning springs and air servo

Size: 380mm

Lining area: 1363cm² (both sides)

LUBRICATION

Pressure feed with full flow paper element filter, oil cooler
Capacity: 13.5 litres, including filters

COOLING

Thermatic type 6 blade fan

Size: 475mm

Radiator type: Tube and corrugated fin, pressure type

Size: 622h x 559w x 71t (mm)

Frontal area: 0.348m² with bell mouth fan shroud

AIR CLEANER

Paper element, double stage, Donaldson 11" type. Vertical air intake stack with rain head

FUEL SYSTEM

Injection pump: In line plunger, Bosch 'AD' type with mechanical all speed governor

Filters: In line paper filter, water separator with drain cock

Fuel tank capacity: 200 litres. (cylindrical)

ELECTRICAL SYSTEM

Batteries: 2 x 12V - 53A/H

Alternator: 24V - 40A

Starter: 24V - 5.5 kW

Dash mounted fuse box

EXHAUST SYSTEM

Type: Vertical pipe

FRAME

Type: Ladder type channel section

Side member dimensions: 254 x 85 x 8mm

Frame reinforcement: At cab back: 224 x 77 x 4.5 angle section

Frame material: Low carbon steel, weldable

STEERING

Type: Fully integral, power assisted recirculating ball with gear driven hydraulic pump

Gear ratio: 22.4:1

SUSPENSION, FRONT

Type: semi-elliptical, alloy steel taper leaf spring with stabilizer.

Size: 1470 x 80 x 12 x 2 leaf

1470 x 80 x 14 x 5 leaf

Shock absorbers: Hydraulic, double acting, telescopic.

SUSPENSION, REAR

Type: Semi-elliptical, alloy steel multi leaf springs with stabilizer.

Size: main: 1420 x 100 x 12mm x 8 leaves

auxiliary: 980 x 100 x 10mm x 2 leaves

980 x 100 x 11mm x 4 leaves

TRANSMISSION

Type: ISUZU 7 speed overdrive

Gear ratios (to 1)

1st 8.181 2nd: 5.167 3rd: 3.333

4th: 2.105 5th: 1.347 6th: 1.000

7th: 0.863 Rev: 8.307

TYRES AND WHEELS

Tyre size: 11.00 R 22.5 - 16 Ply Radial

Wheel type and size: 8.25T x 22.5, 10 stud disc.

No. of wheels: 7 (incl. spare)

Tread pattern: Rib.

HOLDEN'S 12/20 WARRANTY

PLEASE NOTE: Every Isuzu is covered by the Holden's warranty which covers the vehicle for the first 12 months or 20,000 kilometres.

Major engine components and driveline components have additional extended warranty. Please consult your Holden's/Isuzu dealer for complete and accurate details.

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