



# ISUZU FVR 13 HRA

Model Designation: FVR 13 HRA

Ordering Code: 8ER02

## CHASSIS CAPACITY INFORMATION

Max. GCM:	24000 kg	Max. Rec. Body Width:	2500 mm
Max. GVM:	15000 kg	Max Geared Speed:	102 km/h
Kerb Mass (est.):	4719 kg		
Avail. for body & load	10281 kg		

## DRIVELINE SPECIFICATION

ENGINE	TRANSMISSION	AXLES	WHEELS/TYRES
<b>Model:</b> ISUZU 6SA1 <b>Type:</b> Six cylinder OHC diesel <b>Bore &amp; Stroke:</b> 115 x 135mm <b>Displacement:</b> 8413cc <b>Max power (Nett):</b> 135kW <b>@ 2600 rpm (DIN)</b> <b>Max torque (Nett):</b> 560 Nm <b>@ 1400 rpm (DIN)</b> <b>Compression ratio:</b> 16.5:1 <b>RAC Rating:</b> 49.2	<b>Model:</b> ISUZU MLD7R <b>Type:</b> 7 speed overdrive <b>Gear ratios (to 1)</b> 1st 8.181 2nd 5.167 3rd 3.333 4th 2.105 5th 1.347 6th 1.000 7th 0.863 Rev 8.307	<b>AXLE FRONT</b> <b>Type:</b> Reverse Elliot I beam <b>Capacity:</b> 6,000 kg  <b>AXLE REAR</b> <b>Type:</b> Banjo, fully floating  <b>Capacity:</b> 10,500 kg <b>Ratio:</b> 5.571:1	<b>8.25T x 22.5 10 stud disc wheels</b> <b>11.00 R 22.5 - 16 ply radial tyres.</b>
			BRAKES
			Air/Hydraulic

## DIMENSIONS

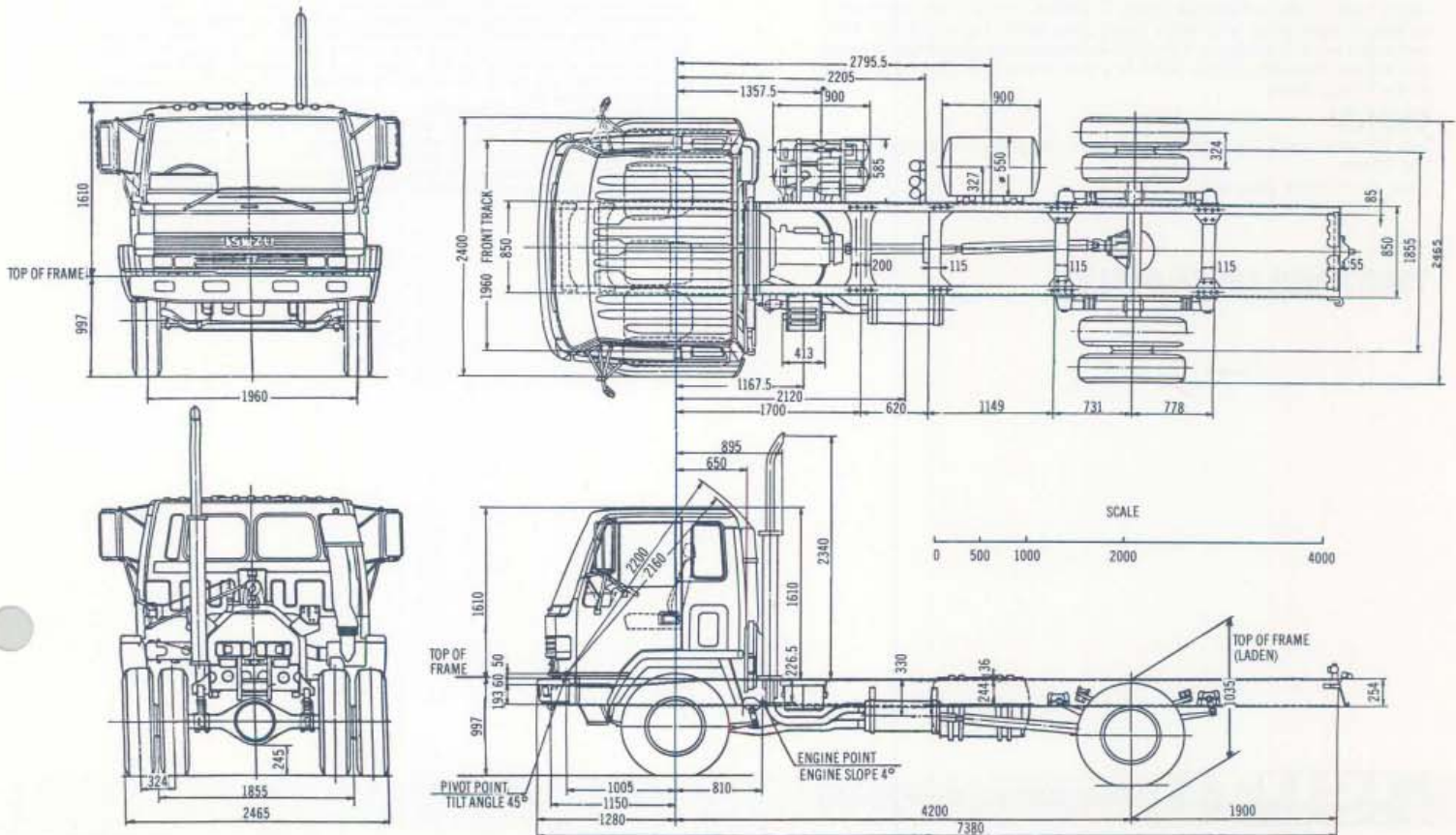
### ESTIMATED KERB MASS:

Front:	2653 kg
Rear:	2066 kg
* Total:	4719 kg

### TURNING CIRCLE: (m)

Kerb to kerb	15.6
Wall to wall	16.7

\* chassis/cab with oil, water and fuel tank containing 10 litres.



# 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: 5,299cm<sup>2</sup>  
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 10,000 kg 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 lever 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: 1363cm<sup>2</sup> (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 7lt (mm)  
Frontal area: 0.348m<sup>2</sup> 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

### 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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## YOUR ISUZU TRUCK DEALER



# ISUZU

Reliability is Everything