



# Isuzu KS 32



## Chassis/cab.

GVM 6800 kg with standard 7.50 x 16-10 Ply tyres.  
GCM 9200 kg.

### Engine:

Model: ISUZU 4BDI.  
Type: Four cylinder in-line, 4 cycle overhead valve, direct injection diesel.  
Bore and stroke: 102 x 118 mm.  
Displacement: 3.86 litres.  
Max. Power: 66 kW @ 3200 rpm.  
Max. Torque: 245 Nm @ 1900 rpm.  
Compression Ratio: 17.5:1.  
RAC Rating: 25.8.

### Axle Front:

Capacity: 2400 kg.  
Type: Reverse Elliot, I-beam

### Axle Rear:

Capacity: 5000 kg.  
Type: Banjo fully floating. Final gear ratio: 5.857:1

### Brakes, Service:

Hydraulic, front two leading, rear dual two leading.  
Total lining area: 1840 cm<sup>2</sup>.

### Park brake:

Mechanical, expanding type at rear of transmission.

### Clutch:

Hydraulic control. Dry single plate with diaphragm spring.  
Outside diameter 275 mm.

### Drive Line:

Two shafts with needle bearing universal joints.

### Electrical System:

Alternator: 24 volt, 15 amp.  
Batteries: 2 x 12 volt, 65 amp/hour each. Negative earth.  
Starter: 24 volt, 3.5 kW output.

### Frame:

Type: Ladder construction with channel section side members and nine cross members.  
Width: Front 740 mm, Rear 820 mm.  
Side member dimensions: 170 mm x 70 mm x 4.5 mm.

### Suspension:

Type: Semi-elliptic alloy steel leaf springs.  
Size: Length x width x thickness (number of leaves.)  
Front: 1140 x 70 x 9-7  
Rear: 1300 x 70 x 11-6 (main); 850 x 70 x 10-5 (auxiliary).

### Shock Absorbers:

Front and rear, double acting hydraulic telescopic.

### Steering:

Type: Recirculating ball.  
Ratio: 27.7:1.  
Wheel: 3 spoke 450 mm diameter.

### Engine lubrication:

Type: Full pressure flow with paper element oil filter.  
Capacity: 9.5 litres with filter, 8 litres without filter.

### Engine cooling:

Fan type: 6 blade plastic fan, 400 mm diameter.  
Radiator: 497 x 471 x 35 mm tube and corrugated fin.  
Frontal area: 0.231 m<sup>2</sup>.  
Coolant capacity: 12.6 litres.

### Fuel System:

Injection pump: Bosch in-line with mechanical governor.  
Fuel tank capacity: 90 litres.

### Transmission:

Model: ISUZU MSA5.  
Type: 5-speed overdrive, synchromesh on all gears. Floor mounted shift lever.  
Ratios: 5.774 1st gear  
2.990 2nd gear  
1.731 3rd gear  
1.000 4th gear  
0.760 5th gear  
5.784 Reverse.

### Wheels and Tyres:

Wheels and rims: 6.00 GS x 16-5 stud disc type.  
Tyres: 7.50 x 16-10 ply.  
Spare wheel and tyre on lifting type carrier.

### Standard Equipment:

**Exterior:** Tilt type all steel cab with laminated windshield and safety-glass windows. Two-speed windshield wipers and windshield washers. Driver and passenger side exterior rear view mirrors. Front step. Dual round sealed-beam headlamps. Combination rear lamps. One towing hook at frame front and rear. Lifting type spare wheel carrier. General hand tools and hydraulic jack.

**Interior:** Vinyl faced bucket type adjustable driver's seat. Wide passenger seat. Seat belts for driver and outboard passenger. Vinyl floor mat. Dash and floor ventilation points. Two-speed fan and heater/demister. AM radio. Ashtray. Glovebox. Parcel tray. Driver interior sun visor. Assist grips to both doors.

**Instruments:** Speedometer with odometer and trip odometer. Gauges for fuel and engine temperature. Warning lamps for oil pressure, generator. Indicator lights for turn signals, high beam, parking brake on/brake failure. Reversing warning buzzer.

### GMH 12/20 Warranty:

Every Isuzu is protected by the GMH Warranty which covers your vehicle for the first 12 months or 20,000 kilometres.



# Reliability is Everything

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## DIMENSIONS/CHASSIS WEIGHTS

<b>Lengths:</b>		mm
Wheelbase	WB	3780
Front overhang	FOH	1145
Rear overhang	ROH	1745
Bumper to back of cab	BBC	1615
Cab to axle	CA	3330*
Cab to end of frame	CE	5075*
Overall length	OAL	6670

\*CA and CE dimensions are effectively reduced by 125 mm with fitment of vertical exhaust pipe and protector.

<b>Widths:</b>		
Frame width (rear)	FW	740
Front track	FT	1580
Outside rear track	ORT	1915
Overall width	OAW	1915

<b>Heights:</b>		
Overall height	OAH	2120
Rear axle clearance	B	195
Frame height (approx)	FH	785

<b>Turning Circle:</b>		metres
Kerb to kerb		13.6
Wall to wall		15.0

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No GMH dealer or other person is authorised or permitted to give or make any statement assertion or undertaking in relation to the quality performance characteristics descriptions or fitness for any purpose of any GMH product or in connection with the supply of any GMH product, which is at variance with any written statement assertion or undertaking on any of these subjects given or made by General Motors-Holden's Sales Pty Ltd in its published sales literature, and neither company accepts any liability for any such unauthorised action.

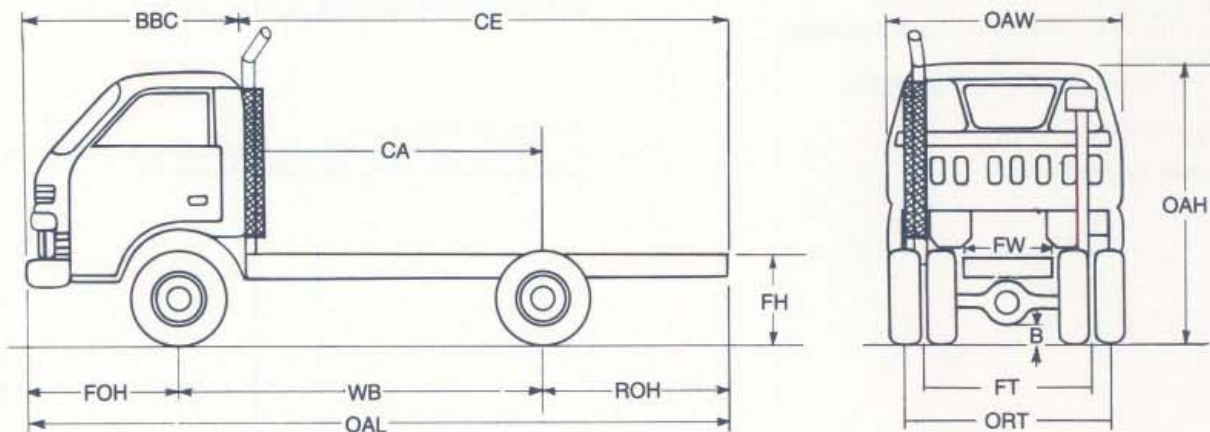
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For the most effective utilisation of this vehicle the following guidelines should be observed to ensure that the unit is correctly applied and design limits are not exceeded.

1. The truck is primarily designed for rigid application with approximately 4 tonnes available for payload and body.
2. When the vehicle is expected to travel at high speed, total frontal area of vehicle and load body should not exceed 6.0 square metres.
3. The following maximum body dimensions are recommended:
  - Body length 5220 mm
  - Body width 2286 mm
  - Height (as van) 1905 mm—higher bodies are acceptable for low speed, short journey operation only.
4. High centre of gravity of the body and payload may induce leaning when cornering at speed or on transverse slopes.
5. This truck is geared so that substantial use will be made of the direct fourth gear, particularly if a high body/load is carried.
6. The vehicle must not be used as a tipper unless frame modifications and reinforcements in accordance with GMH Engineering instructions are adopted.
7. Wheelbase alterations need GMH and registration authority approval.
8. When PTO equipment is fitted, design limits for the specified Isuzu PTO must not be exceeded.

Special application approval from GMH Sales is required in writing for any deviation from standard specification.

GMH wish to keep a record of special application vehicles.  
 Calculated rolling gradeability @ GVM 28.3% @ GCM 20.9%.  
 Calculated starting gradeability @ GVM 22% @ GCM 12% on smooth, hard surface.



GROSS COMBINATION AND GROSS VEHICLE MASS RATING (kg)			ESTIMATED KERB WEIGHTS, CHASSIS AND CAB: with oil, water and full fuel tank (kg)		
GCM	GVM	TYRES	Front	Rear	Total
9200	6800	7.50 x 16-10 ply	1405	765	2170