



Isuzu SBR 422



Chassis/Crewcab.

GVM 8000kg – GCM 15,000kg with 8.25x16 – 12 ply tyres

Engine:

Model: Isuzu 6BB1 Diesel Engine.
 Type: 4-cycle, water cooled, overhead valve, in-line, direct injection.
 Number of cylinders: 6.
 Bore and stroke: 102mm x 110mm.
 Displacement: 5393cm³.
 Max. net horsepower: 93.5kW @ 3200rpm.
 Max. net torque: 323Nm @ 1900rpm.
 Compression ratio: 17.5:1.
 RAC rating: 39.

Air Cleaner:

Vertical air intake system. Donaldson type. Paper element with cyclone device.

Axle Front:

Capacity: 3200kg.
 Type: Reverse Elliott, I-beam.

Axle Rear:

Single speed.
 Capacity: 6200kg.
 Type: Banjo, fully floating, single reduction, hypoid gear.
 Final gear ratio (to 1): 4.750.

Brakes, Service:

Type: Hydraulic with vacuum assisted, front – two leading, rear – dual two leading. Exhaust brake.
 Total lining area: 3082cm².

Brake, Parking:

Type: Mechanical internal expanding at rear of transmission.

Clutch:

Type: Dry single plate with cushioning springs. Hydraulically operated.
 Size: Outside diameter 300mm.
 Total frictional area: 846cm².

Cooling System:

Radiator: Tube and corrugated fin, pressurised type.
 Frontal area – radiator: 2614cm².
 Core thickness: 70mm.

Drive Line:

Type: Tubular shaft, needle bearing universal joint.

Electric System:

Battery: 2x12 volt.
 Capacity: 65 amp./hr. each battery. Negative earth.
 Alternator: 24 volt/25 amp.
 Starter: 24 volt/4.5kW.

Frame:

Type: Ladder type channel section.
 Frame width: 800mm.
 Side member dimensions: Depth x width x thickness – 225mm x 70mm x 6mm.

Engine Lubrication:

Pressure feed with full-flow paper element. Oil cooler.
 Capacity: 14.5 litres.

Fuel System:

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

Springs:

Type: Semi-elliptical alloy steel leaf springs.
 Size: Length x width. Number of leaves.
 Front: 1200mm x 70mm – 8.
 Rear: 1300mm x 70mm – 8.
 Rear auxiliary: 850mm x 70mm – 7.
 Shock absorbers: Hydraulic double acting telescopic shock absorbers at front.

Steering:

Type: Recirculating ball.
 Gear ratio: 27.4:1.

Transmission:

Isuzu MBD5A – 5-speed, direct drive, synchromesh on 2nd, 3rd, 4th, 5th gears. Floor mounted remote control. Ratios: (to 1):

1st	2nd	3rd	4th	5th	Reverse
6.378	3.627	2.239	1.452	1.000	5.836

Wheels and Tyres:

Wheels and rims: 6.00GSx16
 6-stud disc wheels.
 Tyres: 8.25x16 – 12-ply.
 Dual rear wheels.

Standard Equipment:

All steel crew cab (tilt type) with seating provision for up to seven men. Front and rear compartment doors. Adjustable reclining driver seat. Laminated windshield glass. Two-speed windshield wipers. Windshield washer. Hazard warning flasher. Dual tone electric horn. Hydraulic jack and wheel wrench. Front rubber floor mats. Speedometer and odometer. Meter for fuel, water temperature. Warning lamp for charging, oil pressure, vacuum and clogged oil filter. Indicator lamp for turn signal, main beam, parking brake. Starter heater control. Spare tyre carrier. Tachometer. Heater and demister. Radio. General hand tools.

GMH 12/20 Warranty:

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

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Reliability is everything.

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DIMENSIONS/CHASSIS WEIGHTS

Lengths:

		mm
Wheelbase	WB	4200
Front overhang	FOH	1210
Rear overhang	ROH	1750
Bumper to back of cab	BBC	2665
Cab to axle	CA	2745*
Cab to end of frame	CE	4495*
Overall length	OAL	7160

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

Widths:

Frame width	FW	800
Front track	FT	1700
Inside rear track	IRT	1340
Outside rear track	ORT	1880
Overall width	OAW	2170

Heights:

Overall height (approx.)	OAH	2360
Rear axle clearance (approx.)	B	210
Top of frame to ground (approx.)	FH	880

Turning Circle:

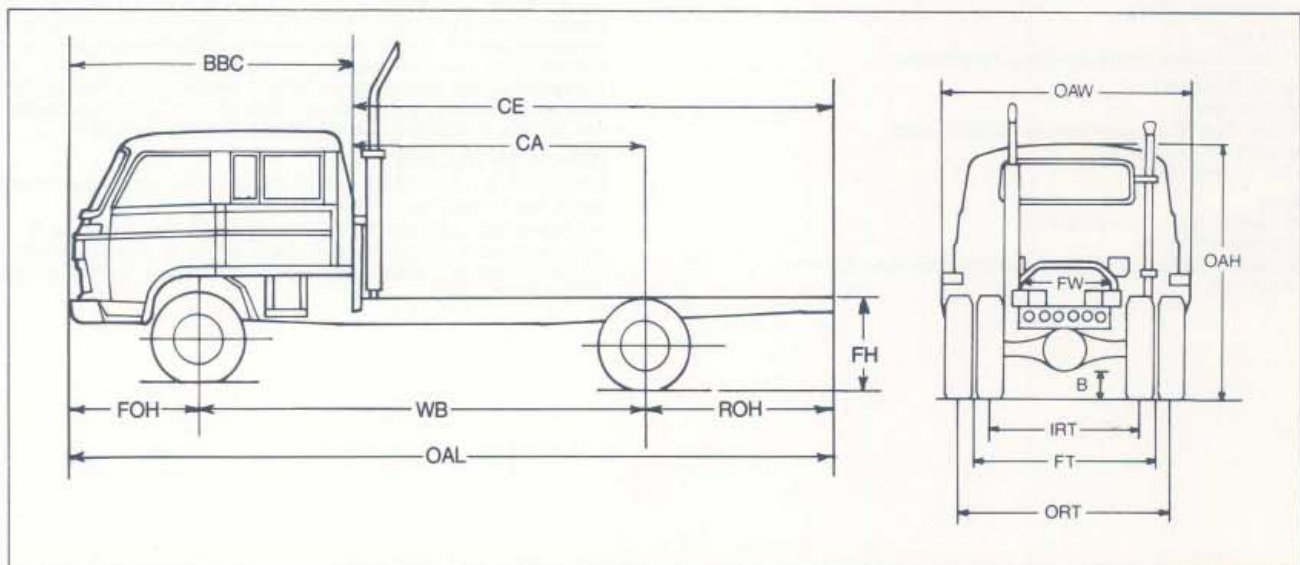
Wall to wall		metres
		15.8

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GROSS VEHICLE AND GROSS COMBINATION MASS RATING (kg)

ESTIMATED KERB WEIGHTS, CHASSIS AND CAB: with oil, water and full fuel tank (kg.)

GVM	GCM	TYRES	Front	Rear	Total
8,000	15,000	8.25x16 - 12 ply	1860	1060	2920