



Isuzu JCR 500



Chassis/Crewcab.

GVM 12,850kg GCM 18,500kg w/9.00 x 20 (12) tyres

Engine:

Model: Isuzu 6BD1 Diesel engine.
Type: Four Cycle, water cooled, overhead valve, in-line, direct injection.
No. of Cylinders: 6.
Bore and stroke: 102mm x 118mm.
Displacement: 5785cm³.
Max. net horsepower: 100kW @ 3200rpm. (DIN).
Max. net torque: 351Nm @ 1850rpm. (DIN).
Compression ratio: 17.5:1.
RAC rating: 38.7.

Air Cleaner:

Vertical air intake system. Donaldson single stage—8" paper element.

Axle Front:

Capacity: 5000kg.
Type: Reverse Elliott, I-beam.

Axle Rear:

Two speed.
Capacity: 9200kg.
Type: Banjo, fully floating, two speed reduction.
Ratio: 6.018/7.631 two-speed control-air shift with electric solenoid actuation.

Brakes, Service:

Hydraulic with air assisted, front-two leading, rear-dual two leading type.
Exhaust brake. Total lining area 3968cm².

Brake, Parking:

Type: Mechanical internal expanding at rear of transmission.

Clutch:

Type: Dry single plate with 6 cushioning springs, hydraulically operated.
Total frictional area: 1164cm².
Size: Outside diameter 350mm.

Cooling System:

Radiator: Tube and corrugated fin, pressured type.
Frontal area, radiator: 2620cm².
Core thickness: 70mm.

Drive Line:

Type: Tubular shaft, needle bearing universal joint.

Electric System:

Battery: 2 x 12 volt.
Capacity: 65 amp./hr. each battery. Negative earth.
Alternator: 24 volt/26 amp.
Starter: 24 volt/4.5kW.

Frame:

Type: Ladder type channel section.
Frame width: Front 840mm. Rear 800mm.
Side member dimensions: Depth x Width x Thickness—
225mm x 70mm x 6mm.
Frame reinforcements.
Inner channel sections 4.5mm thick.

Engine Lubrication:

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

Fuel System:

Injection pump: Reformed Bosch in-line with mechanical governor.
Fuel tank capacity: 200 litres.

Springs:

Type: Semi-elliptical alloy steel leaf springs.
Size: Length x width. No. of leaves.
Front: 1300mm x 70mm—8.
Rear: 1420mm x 80mm—7.
Rear auxiliary: 1000mm x 80mm—6.
Shock absorbers: Hydraulic double acting telescopic at front.

Steering:

Type: Recirculating ball with integral power assistance.
Gear Ratio: 21.6:1.

Transmission: Isuzu MBD5C

5 speed synchromesh on 2nd, 3rd, 4th, 5th gears. Floor mounted remote control.

Ratios: (to 1)

1st	2nd	3rd	4th	5th	Reverse
6.890	3.918	2.419	1.569	1.000	6.304

Wheels and Tyres:

Wheels and rims: 7.00T x 20, offset 162mm.
8 stud disc wheels.
Tyres: 9.00 x 20—12 ply.
Dual rear wheels.
Spare wheel and tyre.

Standard Equipment:

All steel crew cab (tilt type) with seating provision for up to seven men. Front and rear compartment doors. Adjustable 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 with odometer. Meter for fuel, water temperature. Warning lamp for charging, oil pressure, air reservoir 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. Front wheel steps. Seat belts. West-coast type rear view mirrors.

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

Isuzu JCR 500



DIMENSIONS/CHASSIS WEIGHTS

Lengths:

		mm
Wheelbase	WB	5000
Front overhang	FOH	1260
Rear overhang	ROH	2200
Bumper to back of cab	BBC	2665
Cab to axle	CA	3595*
Cab to end of frame	CE	5795*
Overall length	OAL	8460

*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	1920
Inside rear track	IRT	1416
Outside rear track	ORT	2064
Overall width	OAW	2370

Heights:

Overall height (approx)	OAH	2495
Rear axle clearance (approx)	B	265
Top of frame to ground (approx.)	FH	980

Turning Circle:

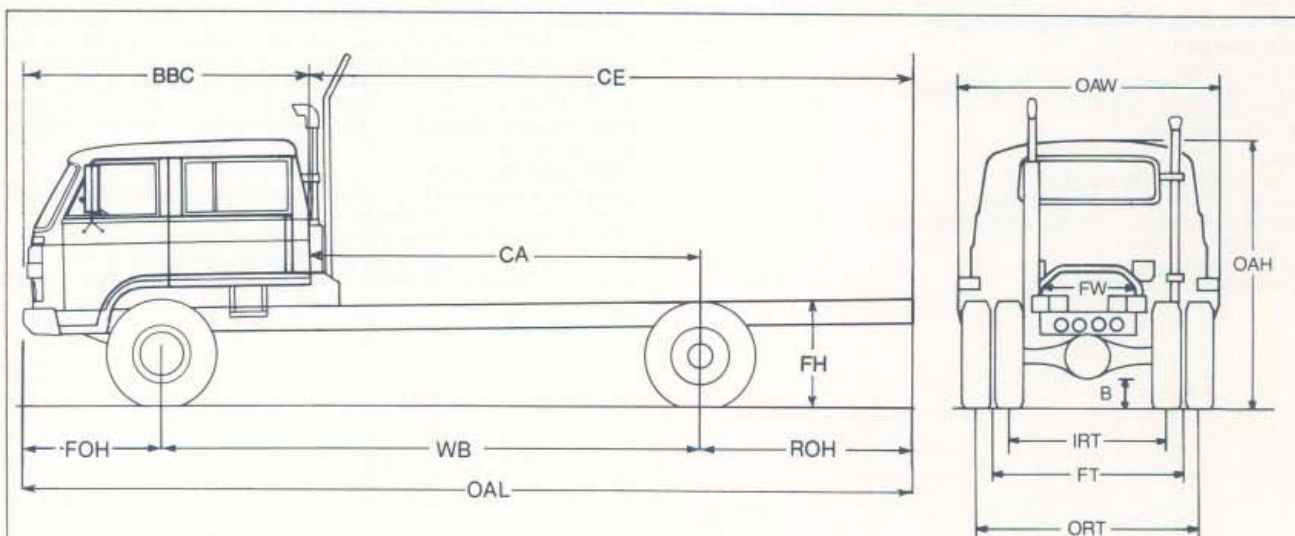
Wall to Wall		metres
		18.2

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GROSS VEHICLE AND GROSS COMBINATION MASS RATING (kg).

GVM	GCM
12,850	18,500

Tyres
9.00 x 20-12 ply

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

Front	Rear	Total
2365	1705	4070