



Isuzu JCS 420



4x4 Chassis/Crewcab.

STD GVM 11,000kg GCM 15,000kg (on road)
w/9.00 x 20 (12) lug tyres

Engine:

Model: Isuzu 6BD-1 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 power: 100kW @ 3200rpm. (DIN).
Max. net torque: 351Nm @ 1850rpm. (DIN).
Compression ratio: 17.5:1.
RAC rating: 39.

Air Cleaner:

Vertical air intake system. Donaldson single stage-8".

Axle Front:

Capacity: 3900kg.
Type: Split type, fully floating single reduction, spiral bevel gear.
Ratio: 6.50:1.

Axle Rear:

Single speed.
Capacity: 9200kg.
Type: Banjo, fully floating single reduction, spiral hypoid gear.
Ratio: 6.50:1. Non-spin differential.

Brakes, Service:

Dual hydraulic air assisted, front-two leading, rear-dual two leading type.
Exhaust brake.

Brake, Parking:

Type: Mechanical internal expanding at rear of transfer case.

Clutch:

Type: Dry single plate with 6 cushioning springs hydraulic 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/25 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: Full inner channel sections 4.5 mm thick

Springs:

Front: Heavy duty steel leaf springs with hydraulic double acting, telescopic shock absorbers
Rear: Semi elliptic leaf springs.
Size: Length x Width.
Front: 1300mm x 70mm.
Rear: 1420mm x 80mm.
Rear auxiliary: 1000mm x 80mm.

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: 200 litres.

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

Transfer case: 2 speed (1.000/2.091:1)

Wheels and Tyres:

Wheels and rims: 7.00 x 20.

8 stud disc wheels.

Tyres: 9.00 x 20-12 ply (lugs).

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. Laminated windshield glass. Two-speed windshield wiper. Windshield washer. Adjustable driver seat. Seat belts for driver and outboard passenger. Hazard warning flasher. Dual tone electric horn. Hydraulic jack and wheel wrench. Front floor rubber mats. Speedometer with odometer. Tachometer. Meter for fuel, water, temperature. Warning lamp for charging, oil pressure and air pressure. Indicator lamp for turn signal, high beam, parking brake. Starter heater control. Heater and demister. AM Radio. General hand tools. Front wheel steps. West-coast type rear view mirrors. Spare tyre carrier. Tyre inflater, auto drain cock. Two rear tow hooks.

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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DIMENSIONS/CHASSIS WEIGHTS

Lengths:

		mm
Wheelbase	WB	4200
Front overhang	FOH	1260
Rear overhang	ROH	1900
Bumper to back of cab	BBC	2665
Cab to axle	CA	2795*
Cab to end of frame	CE	4695*
Overall length	OAL	7360

*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	1735
Inside rear track	IRT	1416
Outside rear track	ORT	2064
Overall width	OAW	2370

Heights:

Overall height (approx)	OAH	2645
Rear axle clearance (approx)	B	265

Turning Circle:

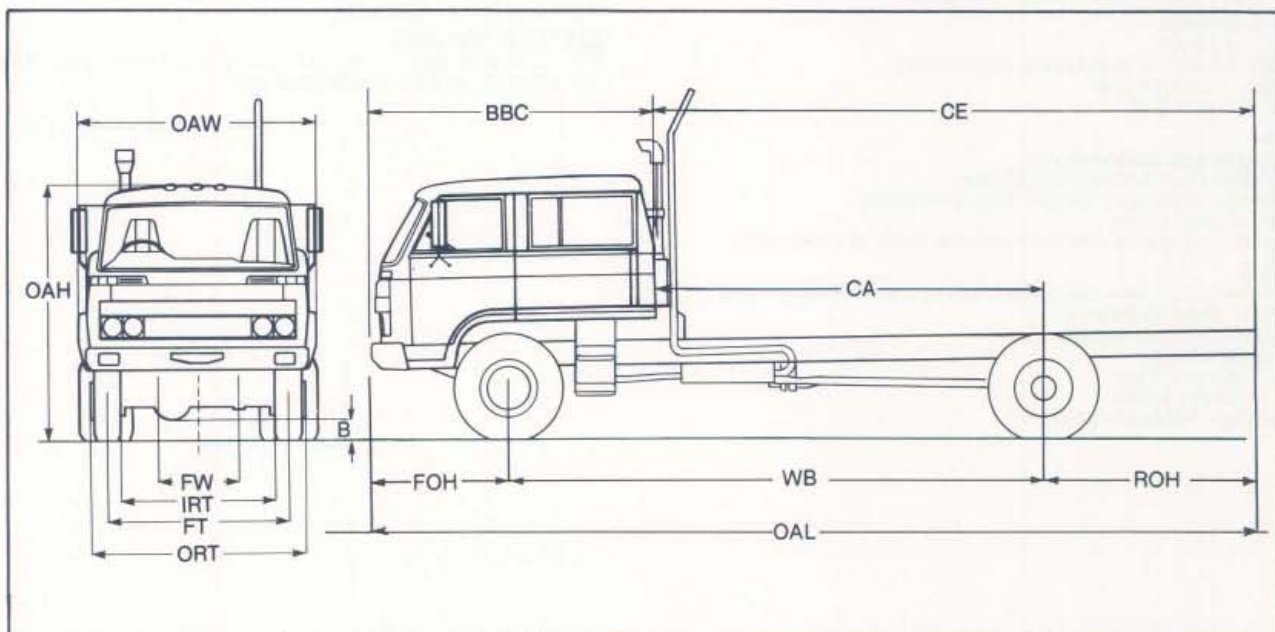
		metres
Kerb to Kerb		18.8

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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) in kg.

GVM	GCM	Tyres	Front	Rear	Total
11,000	15,000	9.00 x 20-12 ply	2560	1750	4310