



Isuzu SCR 480B



Chassis/Cab.

GVM 10,500 kg with 8.25 x 20-12 ply 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: 102 mm x 118 mm (4.02 ins. x 4.65 ins.).
 Displacement 5785 cm³ (353 CID).
 Max. net horsepower: 100 kW (134 bhp) @ 3,200 rpm DIN.
 Max net torque: 351 Nm (258 lbs./ft.) @ 1850 rpm DIN.
 Compression ratio: 17.5:1.
 RAC rating: 38.7

Air Cleaner:

Paper element with cyclone device—8" Donaldson.

Axle, Front:

Capacity: 3400 kg.
 Type: Reverse Elliott I-beam.

Axle, Rear:

Capacity: 7400 kg.
 Type: Banjo, fully floating, single reduction, hypoid gear.
 Final gear ratio (to 1) 5.875.

Brakes, Service:

Type: Hydraulic with air assist, front two leading, rear dual two leading.
 Total lining area: 3410 cm² (528.6 sq. ins.)
 Exhaust brake.

Brake, Parking:

Type: Mechanical internal expanding at rear of transmission.

Clutch:

Type: Dry single plate with cushioning springs. Hydraulically operated.
 Size: Outside diameter 325 mm (12.6 ins.).
 Total frictional area: 966 cm² (149.7 sq. ins.).

Cooling System:

Radiator: Tube and corrugated fin, pressured type.
 Frontal area, radiator: 2614 cm² (406.1 sq. ins.).
 Core thickness: 70 mm (2.76 ins.).

Drive Line:

Type: Tubular shaft, needle bearing universal joint.

Electric System:

Battery: 2 x 12 volt.
 Capacity: 60 amp./hr. each battery. Negative earth.
 Alternator: 24 volt/25 amp.
 Starter: 24 volt/4.5 kW.

Frame:

Type: Ladder type channel section.
 Frame width: 800 mm (31.5 ins.).
 Side member dimensions: Depth x Width x Thickness—
 225 mm (8.865 ins.) x 70 mm (2.76 ins.) x 6 mm (.2364 ins.).

Springs:

Type: Semi-elliptical alloy steel leaf springs.
 Size: Length x Width—No. of leaves.
 Front: 1200 mm (47.28 ins.) x 70 mm (2.76 ins.)—8.
 Rear: 1300 mm (51.22 ins.) x 70 mm (2.76 ins.)—8.
 Rear auxiliary: 850 mm (33.49 ins.) x 70 mm (2.76 ins.)—7.
 Shock absorbers: Hydraulic double acting telescopic shock absorbers at front.

Steering:

Type: Recirculating ball. Power assisted.
 Gear ratio: 21.6:1.

Engine Lubrication:

Pressure feed with full-flow paper element, oil cooler.
 Capacity: 14.5 litres (25.5 imp. pts). Including filter.

Fuel System:

Injection pump: Reformed Bosch in-line with mechanical governor.
 Fuel tank capacity: 200 litres (44 imp. gals.).

Transmission:—Isuzu MBD5C

5-speed, direct drive, synchromesh on 2nd, 3rd, 4th, 5th gears, floor mounted remote control.

Ratios (to 1):

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

Wheels and Tyres:

Dual rear wheels.
 Wheels and rims: 6.50 T x 20, 8 stud disc wheels. 145 mm offset.
 Tyres: 8.25 x 20—12 ply.

Standard Equipment:

All steel cab (tilt type). Adjustable driver seat. Two-speed windshield wiper. Windshield washer. Hazard warning flasher. Dual electric horn. Hydraulic jack and wheel wrench. Floor mat. Speedometer and odometer. Meter for fuel, water temperature. Warning lamp for charging, oil pressure, air pressure gauge. Indicator lamp for turn signal, main beam, parking brake. Starter heater control. Laminated windshield glass. 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.



Reliability is everything.

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DIMENSIONS/CHASSIS WEIGHTS

Lengths:

		mm
Wheelbase	WB	4,800
Front overhang	FOH	1,210
Rear overhang	ROH	2,100
Bumper-back of cab	BBC	1,910
Cab-axle	CA	4100*
Cab to end of frame	CE	6200*
Overall length	OAL	8110
Top of frame to ground	FH	940

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

Widths:

Frame width	FW	800
Front track	FT	1,710
Inside rear track	IRT	1,340
Outside rear track	ORT	1,920
Overall width	OAW	2,170

Heights:

Overall height (top of cab)	OAH	2,420
Rear axle clearance	B	270

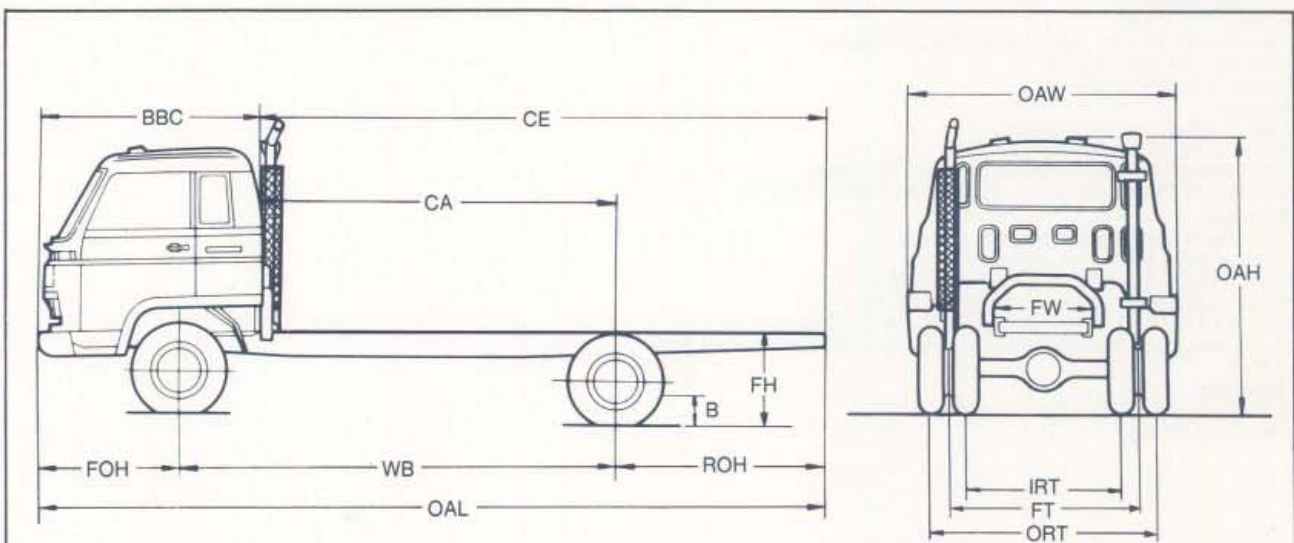
Turning Circle:

Kerb to kerb	metres	18.6
Wall to wall		20.2

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GROSS COMBINATION AND GROSS VEHICLE MASS RATING (KG)

GCM	GVM	Tyres
15000	10500	8.25 x 20-12 Ply

ESTIMATED KERB WEIGHTS, CHASSIS AND CAB (KG) (With oil, water and full fuel tank)

Front	Rear	Total
1993	1337	3330