



ISUZU JCR 420 CUSTOM

GMH MODEL: FTR 12H
ORDERING CODE: 8DP 02

STANDARD GVM	12850 kg
STANDARD GCM	22500 kg
TARE MASS (estimated)	3945 kg

DRIVELINE SPECIFICATION

ENGINE

Model: ISUZU 6BG1
Type: 6 cylinder OHV diesel
Displacement: 6494cc
Max power: 120kW @ 2900 rpm
Max torque: 431 Nm @ 1800 rpm
Bore & Stroke 105 x 125mm
Compression ratio: 17.0:1
RAC Rating: 41.0

TRANSMISSION

Model: ISUZU MBG5F
Type: 5 speed direct drive
Gear ratios (to 1)

1st	6.890
2nd	3.918
3rd	2.121
4th	1.165
5th	1.000
Rev	5.411

AXLE, FRONT

Type: Reverse Elliot I beam
Capacity: 5000 kg

AXLE, REAR

Type: Banjo fully floating EATON
2 speed

Capacity: 10500 kg
Ratio: 5.571/7.593

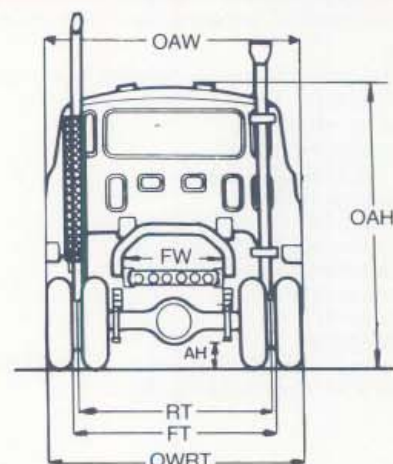
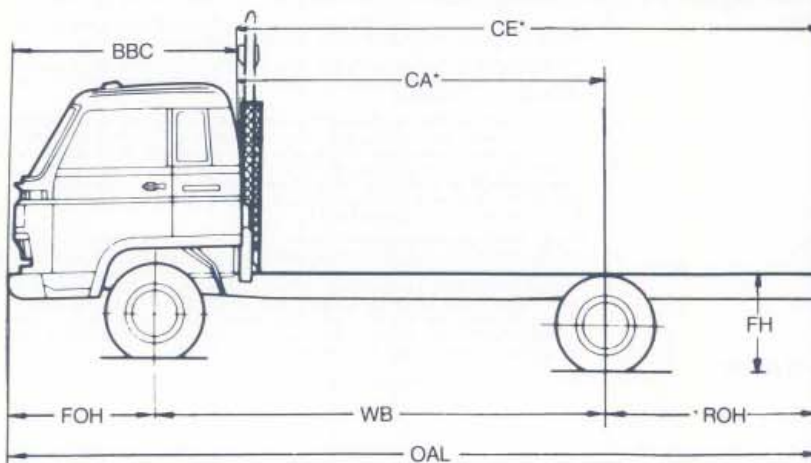
WHEELBASE
4200mm

CHASSIS RATINGS

GROSS COMBINATION and GROSS VEHICLE MASS RATING:

Std Opt	GVM (kg)	GCM (kg)	Tyres	Estimated kerb mass (chassis and cab with oil, water and full fuel tank). (kg.)		
				Front	Rear	Total
	12850	22500	9.00 x 20-12ply	2305	1640	3945
	13500		9.00 x 20-14ply			
	13500		9.00R x 20-14ply			
	13400		10.00 x 20-2ply			
	13500		10.00 x 20-14ply frt, 12ply rear			
	13500		10.00 x 20-14ply			

DIMENSIONS



LENGTHS:

		(mm)
Overall length	OAL	7360
Wheelbase	WB	4200
Cab to axle	CA*	3550
Cab to end of frame	CE*	5450
Front Overhang	FOH	1260
Rear Overhang	ROH	1900
Bumper to back of cab	BBC	1910

WIDTHS

		(mm)
Overall width	OAW	2370
Frame width	FW	800
Front track	FT	1920
Rear track	RT	1740
Outside width rear tyres	OWRT	2300

HEIGHTS

		(mm)
Overall height	OAH	2495
Ground to top of frame	FH	1000
Rear axle clearance	AH	265

TURNING CIRCLE

	(m)
Kerb to kerb	15.2
Wall to wall	16.6

*CA & CE dimensions are effectively reduced by 300mm with fitment of vertical air intake stack and exhaust



ISUZU
Reliability is everything.

ISUZU JCR 420 CUSTOM

CAB/CHASSIS COMPONENT SPECIFICATIONS

AXLE, FRONT

Type: Reverse Elliot I beam
Capacity: 5000 kg

AXLE, REAR

Type: Banjo fully floating EATON 2 speed
Capacity: 10500 kg
Ratio: 5.571/7.593
Final Gear: 420mm ϕ

BRAKES, SERVICE

Type: Air over hydraulic. Dual circuit. Front two leading rear dual two leading exhaust brake
Total lining area: 3968cm²

BRAKE, PARKING

Type: Spring brake acting on rear wheels.

CABIN EXTERIOR

All steel tilt cab with laminated windshield. 2 speed windshield wiper/washer with intermittent setting. West-coast type rear view mirrors. Dual round sealed beam headlamps. Foglamps. Vertical air intake stack. General hand tools and 7000kg capacity jack. Spare wheel and tyre.

INTERIOR

Custom cab interior. Adjustable driver's suspension seat with adjustable lumbar support. Tilt telescopic adjustable steering wheel. Adjustable roof vents. Rear side vent windows. Passenger bucket seat and second passenger centre seat which lifts up for coolant and oil check. AM Radio. Heater/demister with 4 speed fan. Driver and passenger sunvisors. Suspended roof lining.

INSTRUMENTATION

Speedometer and odometer. Tachometer. GAUGES for engine temperature, brake air pressure and fuel level. INDICATOR LAMPS for turn indicators, headlamp high beam, exhaust brake on and park brake on. WARNING LAMPS for low brake fluid, low brake air pressure, battery charge, clogged air filter, oil pressure. Left side combination switch for exhaust brake & two speed wipers with intermittent setting. Hazard warning switch. Fog lamp switch. Right combination switch for headlamps, turn signal and headlamp dip. Key operation auto engine stop.

CLUTCH

Type: Dry single plate with cushioning springs, hydraulic control.
Size: 350mm diameter

ENGINE SPECIFICATION

Type: 6 cylinder OHV diesel
Displacement: 6494cc
Max. Power: 120 kW @ 2900 rpm
Max. Torque: 431 Nm @ 1800 rpm
Bore and Stroke 105 x 125 mm
Compression ratio: 17.0:1
RAC rating: 41.0

LUBRICATION

Pressure feed with full-flow paper element filter oil cooler.
Capacity 13.5 litres including filter.

COOLING

Heavy duty radiator. Tube and corrugated fin.
Size: 622 length x 559 width x 53 depth (mm)
Frontal area: 0.348m²

AIR CLEANER

Donaldson cyclopac 11" single stage type. Long vertical air intake stack.

FUEL SYSTEM

Injection pump: Bosch \bar{M} in-line with mechanical all speed governor. Fuel/water sedimentor & pre-fuel filter.

Fuel tank capacity: 200 litre

ELECTRICAL SYSTEMS

Batteries: 2 x 12 volt 53 A/H
Alternator: 24 volt - 40 Amp
Starter: 24 volt - 4.5 kW

FRAME

Type: Ladder type channel section
Side member dimensions: depth x width x thickness (mm)
225 x 70 x 6
Frame reinforcement: Full length inner channel section
4.5mm thick

STEERING

Type: Power assisted recirculating ball.
Gear Ratio: 22.4:1

SUSPENSION, FRONT

Type: Semi-elliptical alloy steel leaf springs
Size: Length x Width (mm) - No leaves
1300 x 70 - 8
Shock absorbers: Hydraulic double acting

SUSPENSION, REAR

Type: Semi-elliptical alloy steel leaf springs with sliding shackle

Size: Length x Width (mm) - No. of leaves
1420 x 80 - 9

Auxiliary: Length x width (mm) - No. leaves
1000 x 80 - 9

TRANSMISSION

Type: 5 speed direct drive
Gear ratios (to 1)
1st 6.890 2nd 3.918 3rd 2.121 4th 1.165
5th 1.000 Rev 5.411

TYRES AND WHEELS

Tyre size: 9.00 x 20 - 12 ply
Wheel type and size 700T x 20, 8 stud disc wheels

GMH 12/20 WARRANTY

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

Major engine components and driveline components have additional extended warranty. Please consult your GMH/ISUZU dealer for complete and accurate details.

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