



ISUZU CXH 16V

CHASSIS/CAB, TWIN STEER, TANDEM DRIVE

STANDARD GVM	27000kg
TARE MASS (estimated)	9150kg
STANDARD GCM	38000kg

DRIVELINE SPECIFICATION

ENGINE

Model: ISUZU 6RA1-TC
 Type: Six cylinder in line, 4 cycle, overhead valve, direct injection turbocharged diesel with intercooler
 Bore and Stroke: 135 mm x 140 mm
 Displacement: 12023 cm³
 Max Net Power: (Din) 207 kW @ 2300 rpm
 Max. Torque: (Din) 1186 Nm @ 1300 rpm

TRANSMISSION

Type: Fuller RTO 11613, 13 speed with overdrive.
 Ratios to 1.

Low:	12.56	5th:	2.46	7thO/D:	1.17
1st:	8.32	5thO/D:	2.15	8th:	1.00
2nd:	6.18	6th:	1.83	8thO/D:	0.87
3rd:	4.54	6thO/D:	1.60	Rev:	3.89
4th:	3.38	7th:	1.34	LowRev:	13.13

AXLE, FRONT:

Type: Reversible Elliot I Beam
 Capacity: 5500 kg each axle.
 11,000 kg total

AXLE REAR TANDEM:

Type: Banjo, fully floating.
 Capacity: 10,500 kg each axle.
 21,000 kg total
 Final Gear Ratio: 4.875:1

BRAKES, SERVICE:

Dual circuit full air: front and rear

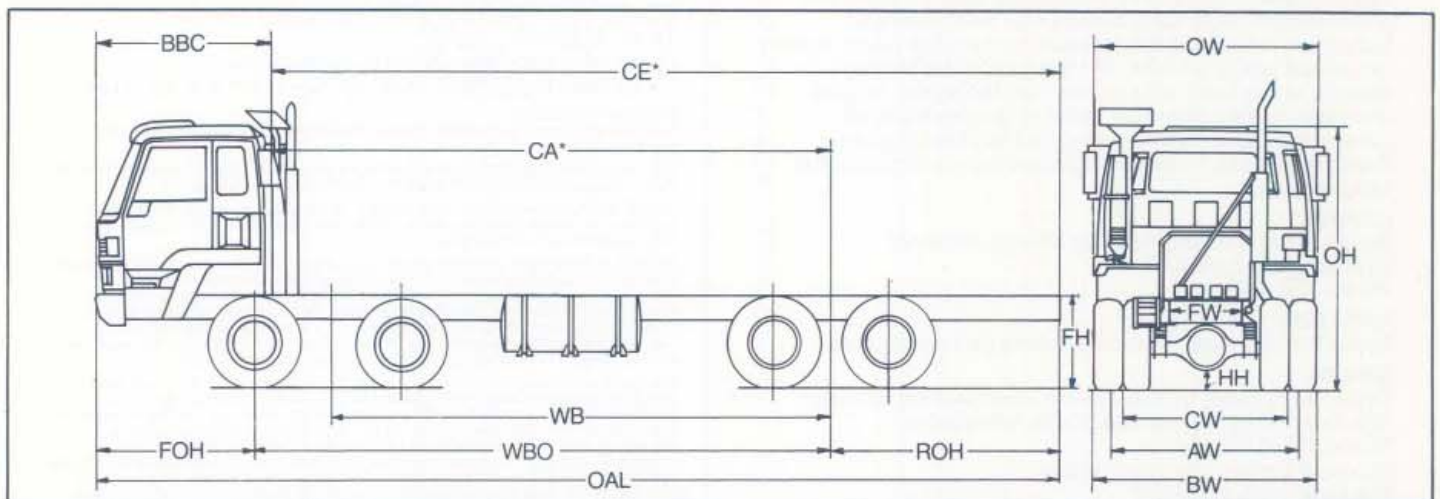
CHASSIS RATINGS

GROSS VEHICLE AND GROSS COMBINATION MASS RATING

Estimated kerb weight, chassis and cab: with oil, water and full fuel tank (kg)

GVM (kg)	GCM (kg)	Tyres	Front	Rear	Total
27000	38000	10.00 x 20 (12)	5735	3415	9150

DIMENSIONS



LENGTHS

Wheelbase	WB (mean)	(mm)	5600
1st axle to mid point of tandem	WBO		6250
Front overhang	FOH		1830
Rear overhang	ROH		2600
Bumper to back of cab	BBC		2030
Cab to mid point of tandem	CA*		6250
Cab to end of frame	CE*		8850
Overall length	OAL		10880

HEIGHTS

Overall cab height (approx.)	OH	2960
Rear axle clearance (approx.)	HH	255
Frame height (approx.)	FH	1030

*CA & CE dimensions are effectively reduced by 290mm with fitment of vertical exhaust pipe and protector.

TURNING CIRCLE - 21 metres (Kerb to Kerb)

WIDTHS

Frame width (rear)	FW	850
Front track	AW	2050
Rear track	CW	1855
Outside rear track	BW	2475
Overall width	OW	2490



ISUZU

Reliability is everything.

ISUZU CXH 16V

CAB/CHASSIS COMPONENT SPECIFICATIONS

AXLE FRONT

Type: Reversible Elliot I Beam
Capacity: 5500kg each axle. 11,000kg total.

AXLE REAR: TANDEM

Type: Banjo, fully floating, Hypoid Gear 440mm dia.
Capacity 10,500kg each axle. 21,000kg total
Final Gear Ratio: 4.875:1

BRAKES, SERVICE

Dual circuit full air, front and rear leading trailing
"S" - Cam. Exhaust brake. Air tank auto drain cock
Total lining area: 8998cm²

PARK BRAKE

Type: Spring/air at rear wheels

CABIN Exterior

All steel cab with manual tilt and full-float cab suspension.
Laminated windscreen and safety glass side and rear
windows. Two speed and intermittent windshield wipers
and washer. West Coast type rear view mirrors. Two stage
entry step. Dual headlamps. Combination rear lamps.
Lifting type spare wheel carrier. General hand tools and
hydraulic jack. Tyre inflater.

Optional Equipment: Automatic cab tilt.

- Interior

Telescopic tilt steering column. Multi-adjustable driver's air
suspension seat: forward, aft, recline and suspension
tension.

Retracting seatbelts. Large centre storage compartment.
Overhead parcel shelf. Sleeper mattress and curtain.
Ashtray. Sun visors. Cigar lighter. Dash, floor and cab roof
ventilation points. Two speed fan and heater/demister. AM
radio. Dual tone air horn.

Optional Equipment: Integrated air conditioning.

- Instruments

Combination stalk control for turn signal, and drive
headlamp dimmer, hazard warning flasher. Left hand stalk
for windshield washer and wiper and exhaust brake.
Speedometer, tachometer, gauges for dual air pressure,
water temperature, oil pressure, fuel level, voltage.
Indicators for turn signal, exhaust brake, high beam, spring
brake and parking brake. Warning lights for battery
charge, water level, air cleaner, fuel sediment, engine
overheat, low air pressure, exhaust temperature, oil
pressure, engine over-run, stop and tail lamp failure.
Audible warning buzzer for engine over-run and exhaust
temperature.

CLUTCH

Spicer twin plate angle spring 350mm diameter
hydraulically operated.
Model AS2-1402.

DRIVE LINE

Type: Tubular shafts, needle bearing universal joints.

ENGINE

Type: Six cylinder in line, 4 cycle, overhead valve, direct
injection turbocharged diesel with intercooler
Model: ISUZU 6RA1-TC

Bore and Stroke: 135mm x 140mm

Displacement: 12023cm³

Max. Net Power: DIN 207Kw @ 2300 rpm

Max. Torque: DIN 1186Nm @ 1300 rpm

Compression Ratio: 16:1

RAC Rating: 67.8

- Lubrication

Type: Pressure feed with full flow paper element and partial
flow depth type oil filter. Oil cooler. Restriction warning
indicator.

Capacity: 28 litres including filter.

- Cooling

Fan Type: 7 blade plastic fan, 610mm diameter.

Radiator: 810 x 691 x 88mm tube and corrugated fin with sub
tank.

Frontal area: 5597cm²

Corrosion Resistor.

- Air Cleaner

Donaldson paper element, vertical air intake system. Model
FTG 15 with Pre Air Cleaner.

- Fuel System

Injection pump: Diesel Kiki in-line P-type with all speed
governor and pre fuel filter.

Fuel Tank Capacity: 430 litres.

ELECTRICAL SYSTEM

Alternator: 24 volt - 40 amp

Batteries: 2 x 12 volt, 150 amp hr. each battery. Negative
earth.

Starter: 24 volt, 7.4kW output.

FRAME

Type: Ladder type construction with channel section side
members.

Width: 850mm.

Side Member dimensions: 285 x 85 x 7mm.

STEERING

Type: Recirculating ball with linkage type power assist.

SUSPENSION FRONT

Type: Semi-elliptical alloy steel leaf springs.

Size: Length x width - number of leaves: 1450 x 80mm -9.

Shock Absorbers: Hydraulic double acting telescopic.

SUSPENSION REAR

Type: Single point trunion with 6 connecting rods.

Size: Length x width - number of leaves: 1300 x 90mm -8.

TRANSMISSION

Type: Fuller RTO 11613, 13 speed with overdrive.

Ratios to 1.

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Optional Equipment: Fuller RT 11609A-9 speed
transmission.

WHEELS AND TYRES

Wheels and rims: 7.50V x 20.10 stud disc wheels.

Tyres: 10.00 x 20 - 12 ply

Spare wheel and tyre on lifting type carrier.

Optional Equipment: 10.00 R x 20 - 14 ply Radial Tyres.

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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