

ISUZU FX Series



FUTURE DRIVEN



ISUZU
FXR330

MAIN SPECIFICATIONS

Model	FXR330
Code	FX101
Configuration	4 x 2
Gross Vehicle Mass	16,500 Kg
Gross Combination Mass	36,000 Kg
Maximum towed mass braked	22,000 Kg
Maximum towed mass unbraked	2,000 Kg
Gradeability at GVM/GCM (1st gear)	88/27%
Est. Engine RPM @ 90 Km/h	1750
Turning circle kerb to kerb (m)	20.0

DRIVELINE SPECIFICATIONS

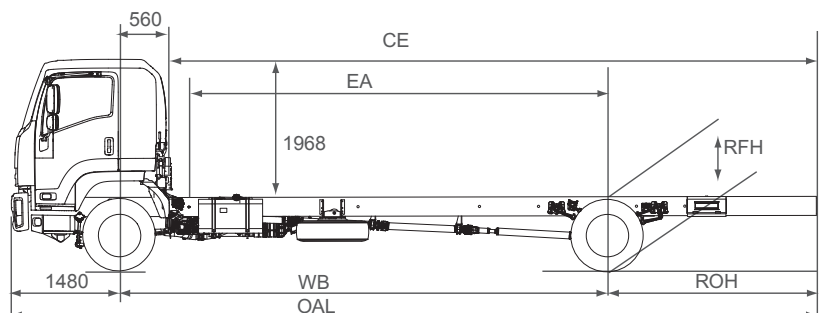
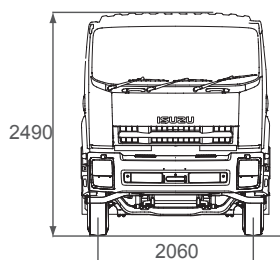
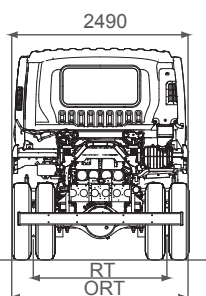
Engine Model	6UZ1-TCN
Type	6 cylinder 24 valve, gear driven SOHC, Japan 05 exhaust emission compliant
Displacement (cc)	9,839
Compression ratio	17.5:1
Max power (DIN Nett)	243kW 330PS (JIS Gross 251kW, 341PS) @ 2,000 RPM
Max torque (DIN Nett)	1,422N.m (JIS Gross 1,472N.m) @ 1,200-1,500 RPM
Transmission model	ZF 9S 1310 TO
Forward gears	9

KERB MASS* (kg)

Front	3,870
Rear	2,068
Total	5,938
*Cab chassis as supplied from the factory and 10 litres of fuel	

DIMENSIONS (mm)

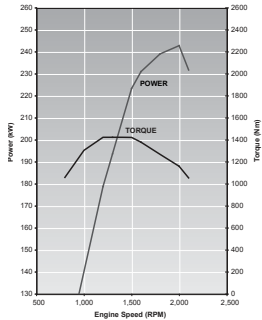
WB: Wheelbase	5,740
OAL: Overall Length	10,000
EA: Rear of engine to rear axis	5,060
CE: Cab to rear of frame	7,960
ROH: Rear overhang	2,780
RT: Rear track	1,850
ORT: Overall rear tyres	2,445
FW: Frame width @ Rear	850
RFH: Frame height at rear axis	1,080
BOC: Back of Cab Clearance	120



Drive Line Specifications

Engine-ISUZU 6UZ1-TCN

- Bore x Stroke 120mm x 145mm



Emission control system

- Japan 05 with cooled Exhaust Gas recirculation and Diesel Particulate Diffuser (DPD)

Lubrication

- Cartridge element type oil filter
- Plate type oil cooler
- System capacity approx 34.5 litres

Cooling system

- Temperature controlled viscous fan hub
- Approx coolant capacity 37.0 litres

Fuel System

- Electronically controlled, direct injection high pressure common rail
- Lockable fuel cap
- Aluminum fuel tank capacity 400 litres
- Pre filter with water in fuel sensor

Air Intake System

- Electronically controlled variable nozzle turbo charger with Air to Air Intercooler
- Rear of cab vertical air intake

Clutch (manual models)

- Air assistance, hydraulic control
- Single plate 432mm diameter
- Total lining area 1,923 cm²

Transmission: ZF 9S 1310 TO

- 9 speed manual syncromesh on gears 1 through 8, repeat H shift pattern,
- PTO provision at the rear of the transmission case
- Approx oil capacity 8.0 litres

Ratios :1

Crawler 9.48
 1st 6.58, 2nd 4.68, 3rd 3.48, 4th 2.62
 5th 1.89 6th 1.35, 7th 1.00, 8th .75,
 Rev 8.97

Front Axle: Isuzu FO63

- Reverse Elliot I beam
- Capacity 6,300Kg

Rear Axle: Isuzu R130

- Full floating Banjo type
- Capacity 13,000Kg
- 445mm diameter ring gear
- Approx oil capacity 14.0 litres
- Ratio; 4.55:1

Load limit Kg (on ground)

Front	Rear
6,300	11,600
6,000	Legal limit 8,200

Chassis Specification

Front Suspension

- Single stage, alloy steel, taper leaf spring
- 1600x80mm x 3 leaves
- Stabiliser bar
- Double acting hydraulic Shock absorbers

Rear Suspension

- Multi leaf spring main and helper
- Main, 1420 x 100mm x 7, constant 47 n/mm
- Helper, 980 x 100mm x 7, combined 144 n/mm
- Double acting hydraulic shock absorbers
- Stabiliser bar

Steering

- Power assisted recirculating ball
- Gear ratio 22.4:1
- Turns lock to lock 5.4

Brakes

- Dual circuit, full air, taper roller front and rear auto adjusting drum brakes
- ABS
- Front drum 410mm x 160mm
- Rear drum 410mm x 220mm
- Total lining swept area 6303 cm²
- Single Cylinder air compressor, 496cc
- Spring park brake
- Air dryer
- Air controlled exhaust brake

Chassis Frame

- Cold rivetted ladder frame weldable steel parallel side members
- Frame side rail dimensions(mm)
 285x85x7.0, material HT540A

Please refer to the Isuzu Body Builders guide for chassis modifications and body fitment

Wheels and Tyres

- 22.5x8.25x165mm ten stud steel wheels
- 275/70R22.5 148/145M tubeless tyres
- Wheels painted silver
- Frame mounted spare wheel and tyre

Electrical System

- 24 volt negative earth system
- Alternator 60 amp
- Battery 2 x 115E41 (NS120) 512 CCA @ -18c

Cabin Specifications

Cab Exterior

- All steel construction, high tensile steel used for cab underframe and door side impact beam reinforcement, with electro hydraulic cab tilt
- Full floating cab with four point coil spring suspension and double acting hydraulic shock absorbers
- Heavy duty non slip cab entry steps
- 90° opening doors
- Door mounted 22" mirror assemblies with heated and electric flat glass main and convex spot mirrors
- LH door mounted "kerb" mirror
- Air dam type steel bumper with front fog lamps
- Halogen multi reflector headlamps incorporating turn signal, additional door mounted side indicator lamps
- Roof mounted end position lamps
- Combination brake, turn, reverse and marker lamps, extended wiring harness, reverse alarm,

Cab Interior

- ISRI 6860 air suspension drivers seat with pneumatic lumbar support, height, rake and auto weight adjustment, seat capacity 150kg

Warranty

Vehicle: 24 months/250,000kms*
 Power Train 36 months/250,000kms*
 Corrosion (Perforation): 36 months
 * Which ever occurs first. Subject to the terms & conditions detailed in the Owners manual Service and Supplement

- Front passenger adjustable bucket seat and front centre seat with folding seat back
- 3 point ELR seatbelts in all outboard seating positions, drivers seatbelt with pretensioner integrated with the seat
- Centre seat lap seat belt
- Driver side SRS including air bag
- Door and roof pillar entry assist grips
- Lined cab interior, padded roof lining and vinyl floor coverings
- LH and RH overhead storage shelf
- Height/reach adjustable steering column, soft feel urethane steering wheel
- Electric windows
- Central locking with remote keyless entry
- Twin cup holders, 24v cigarette lighter.
- Door mounted storage pockets
- LH side glove box
- Centre console box with storage tray. Fold down storage tray behind centre seat backrest
- Passenger side glove box
- Fluorescent type Interior light
- Integrated air conditioning with 4 speed fan
- Radio/single disc CD with 2 speakers and auxillary input jack port

- 5 DIN sized compartments for storage or additional communication units
- ADR42 sized compliant sleeper with mattress

Instrument & Controls

- Speedometer with digital odometer and two tripmeters
- Tachometer, engine coolant temperature, fuel level and dual air pressure gauges
- Two speed wipers with intermittent wipe mode
- Key operated engine start/stop and steering lock
- DPD manual regeneration switch
- Cruise Control
- LH combination stalk: windscreen wipers, washers and exhaust brake
- RH combination stalk: turn signals, headlamps and cruise control
- Warning lamps: check eng, oil pressure, ABS, SRS alternator charge, service brakes, park brake, seat belt unbuckled, low air pressure, low fuel level, cab lock, water in fuel.
- Indicator lamps: Warm up system, high beam, DPD status, exhaust brake, turn signals, cruise control
- Multi display: shows service interval, instantaneous and average fuel consumption, DPD bar chart, hourmeter, voltmeter, time/day/date and 40 - 120km/h adjustable vehicle speed warning

Please refer to the Owners and Drivers Manual for more detailed operation, driving instructions and warnings.
 A policy of continual improvement means that the specifications are subject to change without notice. Contact your Isuzu dealer to confirm specifications