

ISUZU FX Series

FUTURE DRIVEN



ISUZU

FXZ330

MAIN SPECIFICATIONS

Model	FXZ330M	FXZ330L
Code	FX102	FX103
Configuration	6 x 4	
Gross Vehicle Mass	24,000 Kg	
Gross Combination Mass	42,500 Kg	
Maximum towed mass braked	26,000 Kg	
Maximum towed mass unbraked	2,000 Kg	
Gradeability at GVM/GCM (1st gear)	>100/40%	52%/25%
Est. Engine RPM @ 90 Km/h	1775	1710
Turning circle kerb to kerb (m)	15.1	TBA

DRIVELINE SPECIFICATIONS

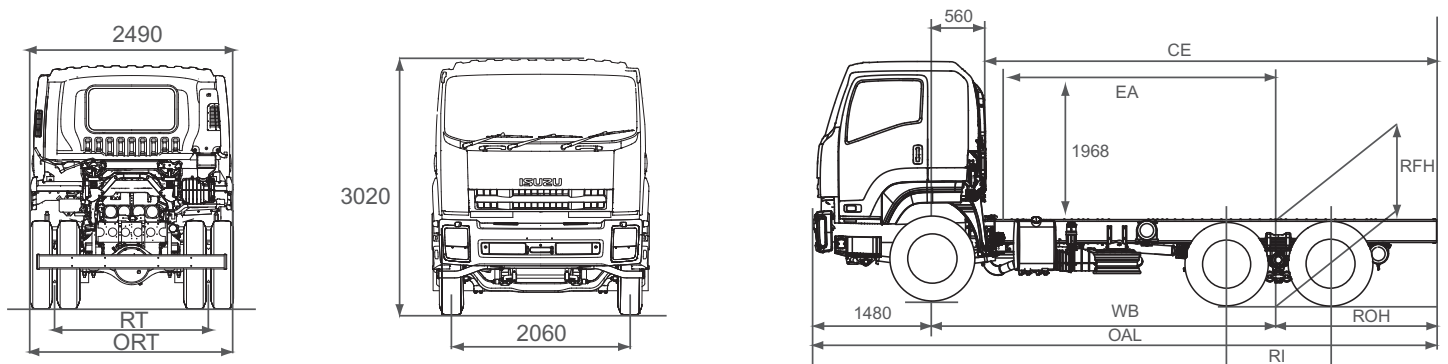
Engine Model	6UZ1-TCN	
Type	6 cylinder 24 valve, gear driven SOHC, Japan 05 exhaust emission compliant	
Displacement (cc)	9,839	
Compression ratio	17.5:1	
Max power (DIN Nett)	243kW 330PS (JIS Gross 251kW, 341PS) @ 2,000 RPM	
Max torque (DIN Nett)	1,422N.m (JIS Gross 1,472N.m) @ 1,200-1,500 RPM	
Transmission model	Eaton RTO 11908LL	ZF 9S 1310 TO
Forward gears	10	9

KERB MASS* (kg)

Front	4042	3,924
Rear	3494	3,826
Total	7536	7,750
*Cab chassis as supplied from the factory and 10 litres of fuel		

DIMENSIONS (mm)

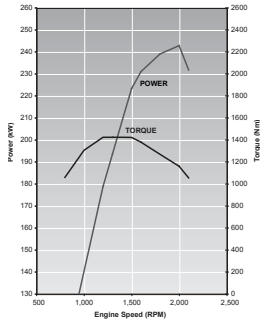
WB: Wheelbase	4,330	6,010
OAL: Overall Length	7,790	10,990
EA: Rear of engine to rear axis	3,650	5,330
CE: Cab to rear of frame	5,750	8,950
ROH: Rear overhang	1,980	3,500
RT: Rear track	1,850	
RI: Rear Interaxle	1,310	
ORT: Overall rear tyres	2,445	
FW: Frame width @ Rear	850	
RFH: Frame height at rear axis	1,095	
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, L model

- 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

Transmission Eaton RTLO11908LL, M model

- 8 forward, 2 low, 3 reverse with repeat H

shift pattern, non syncromesh gear change

- 2 SAE PTO openings, RH regular duty 6 bolt 45 tooth 6/8 pitch and bottom heavy duty 8 bolt 47 tooth 6/8 pitch ratio .94:1 of engine speed
- Oil capacity 13.2 litres approx

Ratios :1

- LL 14.56, L 9.42, 1st 6.24, 2nd 4.63, 3rd 3.40, 4th 2.53, 5th 1.83, 6th 1.36
- 7th 1.00, 8th .74, RLL 15.22, RL 9.85, RH 2.89

Front Axle: Isuzu FO63, L model

- Reverse Elliot I beam
- Capacity 6,300Kg
- Isuzu FO75, M model
- Reverse Elliot I beam
- Capacity 7,500

Rear Axle: Isuzu RT210

- Full floating Banjo type
- Capacity 21,000Kg
- 445mm diameter ring gear
- Approx oil capacity F 14.0, R 12.0 litres
- Ratio: 4.875:1 L model, 5.125:1 M Model

Load limit Kg (on ground)

Front	Rear
6,000	21,000
6,000	Legal limit 15,000

Chassis Specification

Front Suspension

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

Rear Suspension

- Taper leaf springs with Isuzu 6 rod and trunnion location system

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
- Swept area 9952 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 M Model
318x90x7.0mm, material HT540A L Model
- *Please refer to the Isuzu Body Builders guide for chassis modifications and body fitment*

Wheels and Tyres

- Swept area 9952 cm²
- 22.5x8.25x165mm and 335 PCD, ten stud steel wheels
- 11R22.5 tubeless tyres
- Wheels painted silver
- 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
- Front passenger adjustable bucket seat and front centre seat with folding seat back

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

- 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 and engine immobiliser
- 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 compartment 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
- Inter axle diff lock switch
- 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, interaxle diff lock
- Multi display: AMT 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