



MAIN SPECIFICATIONS

Model	FTS800	
Code	FT105	
Configuration	4 x 4	
Gross Vehicle Mass	13,500, Kg	
Gross Combination Mass	20,500 Kg	
Maximum towed mass braked	12,500 Kg	
Maximum towed mass unbraked	2,000 Kg	
Gradeability at GVM/GCM (1st gear)	30% (low range 79%)	17% (low range 41%)
Est. Engine RPM @ 90 Km/h	2015	
Turning circle kerb to kerb (m)	17.5	

DRIVELINE SPECIFICATIONS

Engine Model	6HK1-TCN	
Type	6 cylinder 24 valve, gear driven SOHC. EuroIV exhaust emission compliant	
Displacement (cc)	7,790	
Compression ratio	17.5:1	
Max power (DIN Nett)	176kW 240PS (JIS Gross 182kW, 248PS) @ 2400 RPM	
Max torque (DIN Nett)	706N.m (JIS Gross 731N.m) @ 1450 RPM	
Transmission model	MLD6Q	
Forward gears	6	

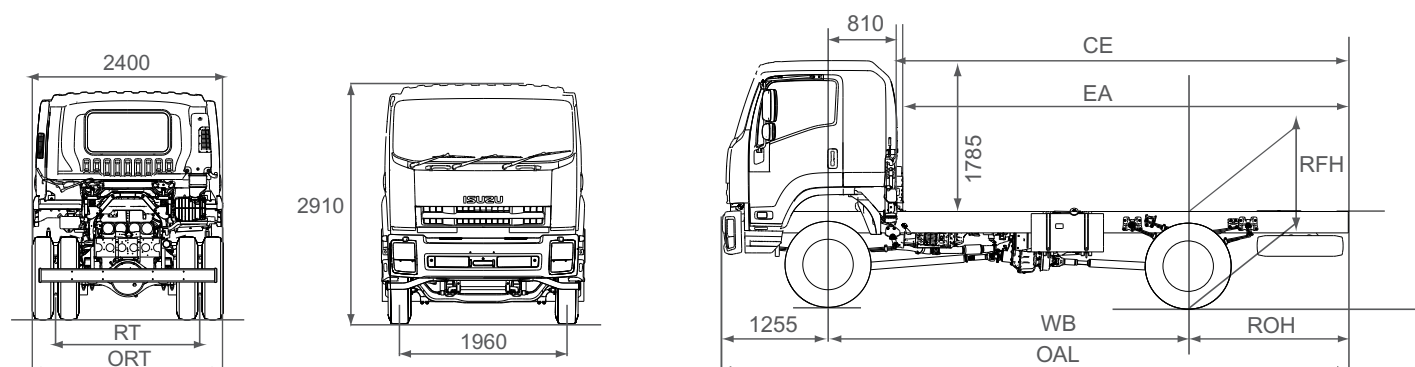
KERB MASS* (kg)

Front	3,110
Rear	1,925
Total	5,035

* Cab chassis as supplied from the factory and 10 litres of fuel

DIMENSIONS (mm)

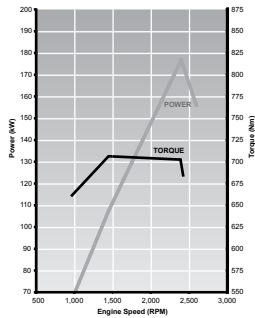
WB: Wheelbase	4,250
OAL: Overall length	7,405
EA: Rear of engine to rear axis	3,350
CE: Cab to rear of frame	5,340
ROH: Rear overhang	1,900
RT: Rear track	1,795
ORT: Overall rear tyres	2,365
FW: Frame width @ Rear	850
RFH: Frame height at rear axis	1,165
BOC: Back of Cab Clearance	90



Drive Line Specifications

Engine-ISUZU 6HK1--TCN

- Bore x Stroke 115mm x 125mm



Emission control system

- Euro IV with cooled Exhaust Gas recirculation and Diesel Particulate Diffuser (DPD)

Lubrication

- Cartridge filter
- Plate type oil cooler
- System capacity approx 15.5 litres

Cooling system

- Temperature controlled viscous fan hub
- Approx coolant capacity 29 litres

Fuel System

- Electronically controlled, direct injection high pressure common rail
- Water in fuel sensor
- Lockable fuel cap
- Steel fuel tank capacity 200 litres

Air Intake System

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

Clutch

- Air assistance, hydraulic control
- Single plate 381mm diameter
- Total lining area 1,363 cm²

Transmission: MLD6Q

- 6 speed manual syncromesh on gears 2 through 6, with air assist shift
- PTO on LHS of the transmission
- PTO Capacity 25kg-m, Ratio .974 of engine speed
- Approx oil capacity 6.5 litres

Ratios :1

1st 6.720, 2nd 4.244, 3rd 2.580, 4th 1.540
 5th 1.00, 6th .763 Rev 6.823

Transfer Gearbox Isuzu TF56

- Full time 4wd with driver activated centre differential lock
- Ratio, High 1.00:1, Low 1.913:1
- Oil capacity 3.7 litres approx

Front Axle: ISUZU FD047

- Full floating banjo type, birfield outer joints and permanently engaged hubs
- Capacity 4,700Kg
- Ratio 5.57:1

Rear Axle: ISUZU RO92

- Full floating Banjo type
- Capacity 9,200Kg
- 368mm diameter ring gear
- Approx oil capacity 9.0 litres
- Ratio; 5.57:1

Load limit Kg (on ground)

	Front	Rear
	4,700	9,200
Legal limit		8,200

Chassis Specification

Front Suspension

- Single stage, alloy steel, taper leaf spring 1600x80x22-1,25-2, constant 310 N/mm
- Double acting hydraulic Shock absorbers

Rear Suspension

- Multi main and helper
 Main 1420x80x12-, 13-6 constant 279N/mm
 Helper 1000x80x12-9 combined 1,347N/mm

Steering

- Power assisted recirculating ball
- Gear ratio 18.1 - 22.4:1
- Turns lock to lock 3.5

Brakes

- Dual circuit air over hydraulic front and rear auto adjusting drum brakes

- Front drum 410mmx140mm
- Rear drum 410mm x 140mm
- Spring park brake
- Air dryer
- Air controlled exhaust brake

Chassis Frame

- Cold rivetted ladder frame. HT540 weldable steel parallel side members
- Frame side rail dimensions(mm) 253x85x7.5
- *Please refer to the Isuzu Body Builders guide for chassis modifications and body fitment*

Wheels and Tyres

- 22.5x7.5x162mm eight stud steel wheels
- 10R22.5 144/142K tubeless tyres
- Wheels painted silver

- Frame mounted spare wheel and tyre

Electrical System

- 24 volt negative earth system
- Alternator 60 amp
- Battery 2 x 80D26L, 582CCA @-18c

Cabin Specifications

Cab Exterior

- All steel construction, high tensile steel used for cab underframe and door side impact beam reinforcement.
- Manual cab tilt to 45° with torsion bar assistance
- Liquid filled front and rear cab mounts
- Heavy duty non slip cab entry steps
- 90° opening doors
- Door mounted 19" mirror assemblies with heated and electric flat glass main and convex spot mirrors
- Air dam type steel bumper
- 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, registration plate 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
- 3 point ELR seatbelts in all outboard seating positions drivers seatbelt fitted with pretensioner intergrated 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
- Intergrated 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

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
- High/Low range and centre differential lock switches
- LH combination stalk: windscreen wipers, washers and exhaust brake
- RH combination stalk: turn signals, headlamps
- Warning lamps: check eng, oil pressure, 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, low range engaged, centre differential lock engaged

Warranty

Vehicle: 24 months/100,000kms*
 Power Train 36 months/150kms*
 Corrosion (Perforation): 36 months

* Which ever occurs first. Subject to the terms & conditions detailed in the Owners manual Service and Supplement

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