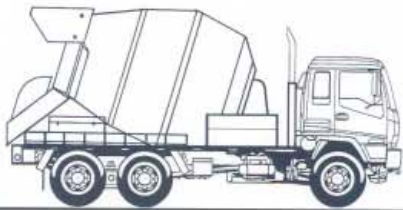


ISUZU FVZ1400 Turbo PTO



ENGINE ISUZU 6SD1-TC

Type: 6 cylinder, in line, overhead camshaft, direct injection, four stroke, diesel engine. Turbocharged and Air-To-Air Intercooled.

Bore x Stroke: 120 mm x 145 mm

Displacement: 9839 cc

Compression Ratio: 16.5:1

Output - Power: 199 kW @ 2200 RPM (ISO 1585)

Torque: 1,000 Nm @ 1500 RPM (ISO 1585)

COOLING SYSTEM

- 6 blade plastic cooling fan 600 mm diameter with bell-mouth fan shroud and dual drive belts.
- Bimetallic controlled, thermostatic fan clutch.
- Tube and corrugated fin, pressure type radiator. Dimensions: 800 mm x 636 mm x 54 mm. Frontal area 5,088 cm².
- Coolant capacity 29.0 litres.

CLUTCH

- Hydraulic control dry single plate with cushioning springs. Coil type pressure springs.
- Clutch disc diameter: 381 mm (15").
- Pneumatic clutch release assistance.
- Asbestos free lining material. Total lining area 1,363 cm².

TRANSMISSION: EATON RT-7608LL

- Direct drive, twin countershaft transmission. Oil capacity 11 litres.
- 10 Forward Speeds. 3 Reverse Speeds. 'Repeat-H' shift pattern. Pre-selected and synchronised range change.
- Forward gear ratios (:1)

Low-Low	Low	1st	2nd	3rd
18.81	12.31	8.24	6.07	4.51
4th	5th	6th	7th	8th
3.32	2.48	1.83	1.36	1.00

- Reverse gear ratios (:1):

Low-Low	Low	High
17.87	11.69	3.52

- Maximum geared speed 110 km/h. Electronically road speed limited to 100 km/h.

REAR AXLES: ROCKWELL RT-40-140 CAPACITY 18,500 KG

- Tandem axle set with driver controlled electric / air inter-axle differential lock. 1,300 mm tandem axle centre spacing.
- Banjo, fully floating, single reduction type axles. Final drive ratio 4.33:1
- Hypoid type ring gear 381 mm diameter. Oil capacities (front / rear): 14.3 / 12.2 litres.

FRONT AXLE ISUZU F063 CAPACITY 6,300 KG

- Reverse Elliot I-beam type.
- King Pin diameter 50 mm with cylindrical roller thrust bearing.
- Oil bath lubricated front wheel hubs with see-through oil level indicator.

BRAKES

- Rockwell 'Q-Plus' full air, 'S'-cam, dual circuit brake system with front and rear leading and trailing shoes. Asbestos free brake shoe lining material.
- Drum diameters (front and rear): 419 mm.
- Brake drum swept areas: 13,374 cm² total: 4,002 cm² front, 9,372 cm² rear.

- Air reservoir capacities:

Supply Tank	Front Service Tank	Rear Service Tank
28.5 litres	22.4 litres	35.0 litres
- Parking Brake Tank 11.0 litres.
- Air Compressor 85 mm Bore x 60 mm Stroke (340 cm³ / revolution), gear driven at half engine speed, water cooled. Nylon brake air tubing. Air dryer.
- Spring park brake acting on all rear wheels.
- Air controlled, butterfly type exhaust brake.

FLYWHEEL POWER TAKE OFF

- Drive ratio (PTO RPM: Engine RPM): 1.1:1.
- Maximum Output Torque: 440 Nm.
- Output flange rotates in same direction as engine.

AIR INTAKE SYSTEM

- Donaldson 13" diameter, dry element, two stage filter. Vertical intake stack with rain head.
- Turbocharger and Air-To-Air Intercooler. Intercooler dimensions: 540 mm x 470 mm x 53 mm. Total intercooler frontal area 2,540 cm².

ELECTRICAL SYSTEM

- Batteries: 2 x 12 Volt / 65 Amp/h, negative earth.
- Alternator: 24 Volt / 40 Amp.
- Starter Motor: 24 Volt / 5.5 kW.
- Rear stop, turn, reverse and tail lamp assemblies and licence plate lamp with long leads for variable body mounting.

EXHAUST SYSTEM

- Horizontal muffler with vertical exhaust pipe.
- Air controlled, butterfly type exhaust brake.

FUEL SYSTEM

- In line plunger, Bosch 'AP' type fuel injection pump with 'RLD' mechanical all-speed governor.
- Electronic road speed limiter.
- In line, paper element filter. See-through water separator with drain cock.
- Single fuel tank, 180 litre capacity, mounted on passenger side chassis rail.

STEERING

- Fully integral power assisted recirculating ball and nut type. Gear ratio 22.4:1. Turns lock to lock: 4.5.
- Gear driven, vane type oil pump. See-through oil reservoir.
- Oil capacity 2.5 litres (including reservoir).

SUSPENSION

FRONT

- Semi-elliptical, alloy steel tapered multi-leaf springs. Fully wrapped spring eye with greasable shackles.

Length	x	Width	x	Thickness	x	No. leaves
1,470 mm	x	80 mm	x	12 mm	x	2
		80 mm	x	13 mm	x	5
		80 mm	x	11 mm	x	2

- Stabiliser bar.
- Hydraulic, double acting, telescopic shock absorbers.

REAR

- Isuzu 6-Rod and trunnion axle location system. Inverted, semi-elliptical, alloy steel, tapered multi-leaf springs. Tandem axle centres: 1,300 mm.

Length	x	Width	x	Thickness	x	No. leaves
1,300 mm	x	90 mm	x	18 mm	x	10

WHEELS AND TYRES

WHEELS

- 8.25 x 22.5 - 10 stud ISO standard (hub piloted) disc wheels. Stud size: 22 mm. Offset: 165 mm.

TYRES

- 11R22.5-16 Ply Rating Goodyear G391 tubeless radial steer tyres.
- 11R22.5-16 Ply Rating Goodyear G167A tubeless radial drive tyres.
- Winch type spare wheel carrier, mounted on chassis frame on passenger side.
- Number of wheels and tyres: 11 (including spare wheel and steer tyre).

ISUZU - GENERAL MOTORS AUSTRALIA LTD A.C.N. 006 962 572. Subject to the conditions of the I-GM New Vehicle Warranty, every Isuzu Turbo F-Series Truck carries a warranty which covers your vehicle for the first 24 months or 150,000 kms (whichever comes first). A 36 month or 200,000 kms (whichever comes first) power train warranty runs concurrently with the new vehicle warranty, as does a 50 months unlimited kilometres cab corrosion warranty. PLEASE NOTE: as the policy of I-GM is one of continual product improvement, all specifications and equipment are subject to change without notice. Any body illustrated is not standard equipment. No I-GM dealer or other person is authorised or permitted to give or make any statement, assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any I-GM product or in connection with the supply of any I-GM product which is at variance with any written statement, assertion or undertaking on any of these subjects given or made by I-GM in its published sales literature, and the company accepts no liability for any such unauthorised action. I-GM has franchised dealers in many parts of Australia, for the sale of service parts and the provision of service to the owners of I-GM products. Every endeavour is made to ensure that such dealers carry adequate stocks of service parts and are equipped to provide satisfactory service, but makes no promise, other than that contained in the I-GM new vehicle warranty, that such parts or service facilities will be available or available at any specific location or at any particular time. A word about this specification sheet. We have tried to make it as comprehensive and factual as possible. However, since the time of printing some of the information you will find here may have been updated. Also, some of the equipment shown or described through this specification sheet may have been changed and/or is available at extra cost. And the right is reserved to make changes at any time without notice, in prices, colours, materials, equipment and models. Your I-GM dealer has details and before ordering, you should ask him/her to bring you up to date.

CHASSIS FRAME

- Parallel rail, ladder type, channel section, cold riveted.
- Straight frame for easy body mounting. 850 mm frame width.
- Rear crossmember and spring hanger brackets bolted to frame allowing easy wheelbase modification.
- Frame side member dimensions: 258 mm x 85 mm x 10 mm.
- Frame reinforcement angle section: 224 x 85 x 4.5 mm.
- Frame material: SAPH440 weldable mild steel.

LUBRICATION SYSTEM

- Pressure feed lubrication system. Gear driven, gear type oil pump.
- Full-flow and partial-flow bypass oil filter canisters.
- Plate type oil cooler in engine water jacket.
- Oil capacity 28.5 litres (including filters).

PROPELLER SHAFT

- Single piece. Diameter 114.3 mm. Length 1234 mm.

CABIN EXTERIOR

- All steel cab with welded strengthening ribs and side door impact beams. Torsion bar assisted cabin tilt to 45°.
- Four point cabin suspension utilising silicone filled rubber isolators.
- Cation electrodeposition primer.
- Heavy duty bumper bar with step holes and footplate.
- Halogen headlamps, hinged for easy bulb replacement.
- Park lamps and cabin clearance lamps.
- Turn signal lamps in front bumper and over wheel arches.
- 2 speed windscreen wiper / washer system with variable intermittent mode. Triple washer jets mounted on wiper arms.
- Tinted and laminated windscreen. Tinted and toughened side and rear glass.
- 'West Coast' type rear view mirrors.
- Alloy, non-slip cabin entry steps.
- Lift-up front panel for access to clutch and windscreen washer fluids without tilting the cabin. Engine fluid check points at rear of cabin.

CAB INTERIOR

- Fully trimmed cab interior with cloth seat facings, formed roof lining and overhead storage lockers. Driver and passenger sun visors.
- Pull-out drinks holder in centre fascia. Cigarette lighter (24 Volt). Ash trays in doors.
- Driver's seat with mechanical suspension and 3 way lumbar support. Adjustment for seat back recline, seat slide and weight control.
- Outboard reclining passenger seat.
- Lap/sash seat belts with emergency locking retractors.
- Centre storage compartment with lockable lid/tray.
- Tilt/telescopic adjustable steering column with single release lever. Soft feel urethane steering wheel with zero offset to driver's seat.
- Easy entry grab handles on 'A' and 'B' pillars.
- Heater/Demister with 4 speed fan, 4 outlet vents to screen, 5 fascia outlets, 5 foot outlets, demister ducts to door glass.
- Optional fully integrated air conditioning.
- Dash mounted AM/FM Radio Cassette with digital clock.
- DIN standard aperture in dash for CB radio.
- Park brake activation lever at left side of driver's seat.
- Combination passenger-side dash storage tray/fuse panel cover.
- Interior rear vision mirror.
- Passenger side assist grip.
- Driver's left foot rest.
- Exhaust vents at rear/upper of cabin.
- Business card clip. Coat hook at rear of cabin.
- Elastic mesh pocket on driver's door.
- 24 Volt, 2-Pin accessory plug in centre console.

CONTROLS

- Left side combination stalk control for exhaust brake, windscreen wipers and washers and hazard lamps.
- Right side combination stalk control for headlamps, high beam and turn signals.
- Inter-Axle Differential Lock control switch.
- Engine idle speed adjust control.
- Key operation for engine start and stop. External engine crank switch for service when cab is tilted.
- Three way switch for interior lamp (Off / On / On By Driver Or Passenger Door).

INSTRUMENTATION

- GAUGE: Speedometer, Odometer, Trip Meter and Tachometer. Coolant Temperature and Fuel Level Gauges. Dual brake air pressure gauge.
- WARNING LAMPS AND ALARMS: Warning lamps for; Low Battery Charge; Low Engine Oil Pressure; Low Air Pressure; Stop And/Or Tail Lamp Failure. Warning lamp bulb check switch. Reversing Lamps and audible alarm.
- INDICATOR LAMPS: Turn Signals On; Parking Brake On; High Beam On; Exhaust Brake Enabled, Inter-Axle Differential Lock Engaged.

TOOLS

- Lockable tool box with 10,000 kg capacity jack. Wheel changing tools. Tool kit.

MODELS, CODES & RATINGS

MODEL:	WHEELBASE	GVM	GCM	ORDERING CODE
FVZ 1400 PTO	4,410mm	24,000kg	36,000kg	8FU02-783

KERB MASS* (kg)

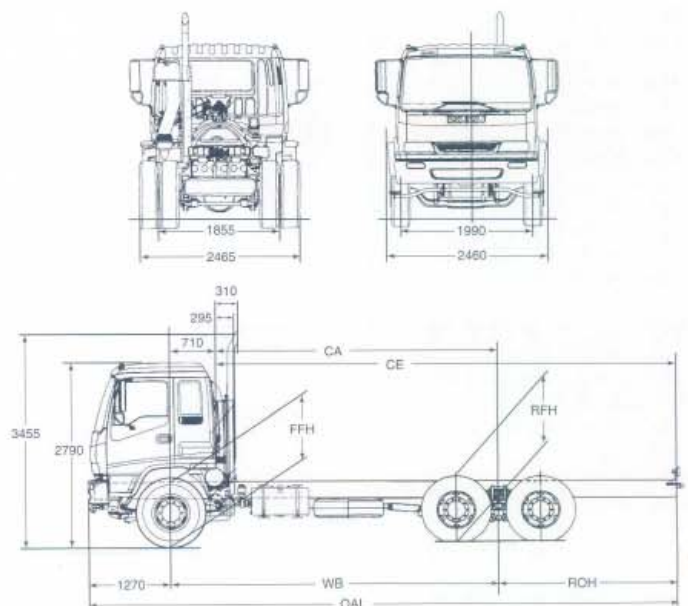
	Front	Rear	Total
FVZ 1400 PTO	3175	3530	6705

*Estimated mass of chassis cab with oil, water and fuel tank containing 10 litres of fuel. Excluding spare wheel and tools.

DIMENSIONS (mm)

	FVZ 1400 PTO
WB Wheelbase	4,410
OAL Overall Length	7,620
ROH Rear Overhang	1,940
CA Cab To Axle	3,700
CE Cab To End Of Frame	5,640
FFH Front Frame Height, Unladen	980
FFH Front Frame Height, Laden	930
RFH Rear Frame Height, Unladen	1,065
RFH Rear Frame Height, Laden	1,040
Turning Circle (Kerb To Kerb)	17.3m
Nominal Max. Body Length*	5,900

*Except Turning Circle: metres. *Subject to weight distribution



FVZ1400 PTO

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RELIABILITY IS EVERYTHING