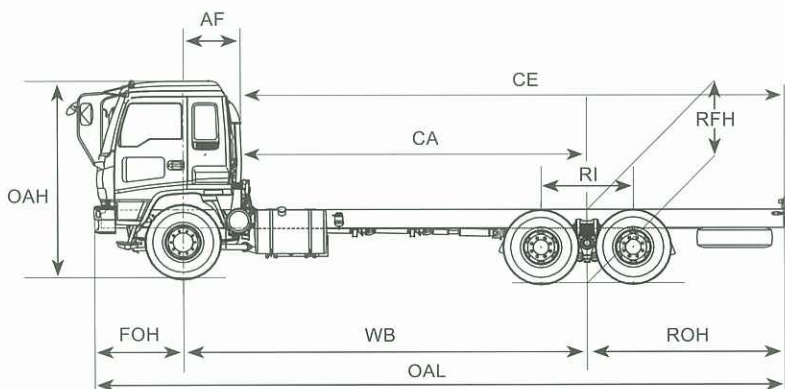
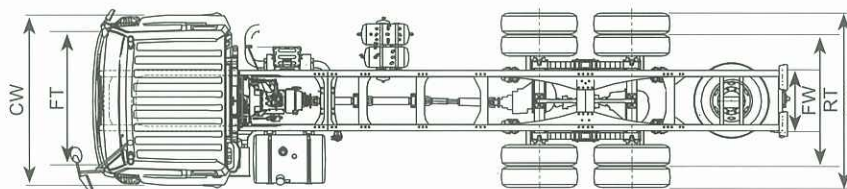
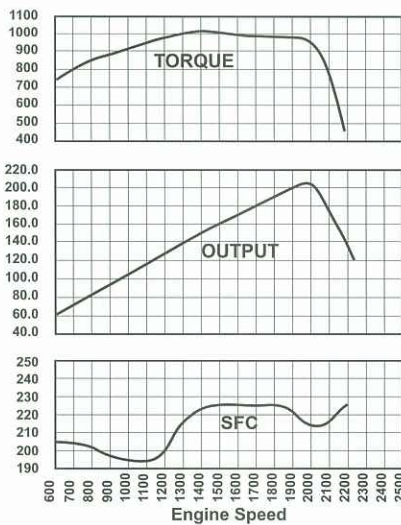




Sample photo only.  
Actual vehicle may differ  
slightly from that shown.

Performance Curve of  
6SD1-TC EURO 3 Engine



### MAIN SPECIFICATIONS

|  |          |
|--|----------|
| Model                                  | FVZ1400  |
| Code                                   | FV25     |
| Configuration                          | 6 x 4    |
| GVM                                    | 24,000kg |
| GCM                                    | 39,000kg |
| Towed Mass Unbraked                    | 2,000kg  |
| Gradeability at GVM                    | 64%      |
| Gradeability at GCM                    | 31.6%    |
| Estimated geared Speed<br>90km/h @ rpm | 2,000rpm |
| Turning circle kerb to kerb            | 21m      |

### DRIVELINE SPECIFICATIONS

|                    |  |
|--------------------|--|
| Engine Model       | 6SD1-TC - Euro 3   |
| Type               | 6 cylinder in-line OHC<br>common rail injection<br>turbo/intercooled, diesel |
| Displacement       | 9,839cc  |
| Compression ratio  | 16.0:1   |
| Power (JIS Gross)  | 206kW (280PS) @ 2,000rpm   |
| Torque (JIS Gross) | 1,030Nm (760lb/ft) @ 1,400rpm  |
| Transmission Model | RT7608LL   |
| Forward Gears      | 10   |

### KERB MASS (KG)

|       |      |
|-------|------|
| Front | 3102 |
| Rear  | 3878 |
| Total | 6980 |

\*Estimate with coolant, oils, spare, tools & 10L of fuel.

### DIMENSIONS (mm)

|                                    |      |
|------------------------------------|------|
| WB - Wheelbase                     | 5700 |
| OAL - Overall length               | 9745 |
| CW - Cab width                     | 2400 |
| OAH - Overall height               | 2785 |
| CA - Cab to rear axle              | 4870 |
| CE - Cab to rear of frame          | 7645 |
| FOH - Front overhang               | 1270 |
| ROH - Rear overhang                | 2775 |
| FT - Front track                   | 2025 |
| RT - Rear track                    | 1855 |
| FW - Frame width                   | 850  |
| RI - Rear Interaxle                | 1310 |
| RFH Chassis height at rear<br>axis | 1040 |
| AF - Front axle to rear cab        | 710  |
| ORT - Overall rear tyres           | 2450 |

## Driveline Specifications

### ENGINE - ISUZU 6SD1-TCC -EURO3

- Bore and stroke mm 120 x 145
- Emission std Euro 3

### LUBRICATION

- Pressure feed lubrication with combination full flow and partial flow bypass filter.
- Sump capacity: 27 litres including filter approx.

### COOLING SYSTEM

- 6 blade plastic cooling fan 600mm diameter with bell-mouth fan shroud and dual drive belts
- Bimetalic controlled, thermatic fan clutch
- Tube and corrugated fin, pressure type radiator
- Coolant capacity: 29 litres approx.

### FUEL SYSTEM

- "Denso" common rail fuel injection.
- Fuel filter with water separator.
- Double paper element air cleaner vertical air intake
- Single steel 180 litre fuel tank

### TRANSMISSION EATON RT7608LL

- 10 Speed direct drive constant mesh with range change repeat H shift patterns and PTO opening on RHS and bottom
- Gear ratios (:1)
 

|         |       |         |       |
|---------|-------|---------|-------|
| Low Low | 18.81 | 6th     | 1.83  |
| Low     | 12.31 | 7th     | 1.36  |
| 1st     | 8.24  | 8th     | 1.0   |
| 2nd     | 6.07  | Reverse |       |
| 3rd     | 4.51  | Low Low | 17.87 |
| 4th     | 3.32  | Low     | 11.69 |
| 5th     | 2.48  | High    | 3.52  |
- Oil capacity: 11.1 litres approx.

### EXHAUST

- Horizontal muffler with horizontal RH outlet
- Air operated butterfly type exhaust brake

### FRONT AXLE ISUZU F063

- Reverse Elliot "I" beam

### REAR AXLE ISUZU RT210

- Isuzu RT210 heavy duty fully floating banjo type with single speed reduction
- Tandem drive with differential lock
- Drive ratio: 3,909:1
- Hypoid type ring gear 445mm diameter

### AXLE LOAD SUMMARY (KG)

|             | Front | Rear   |
|-------------|-------|--------|
| Axle        | 6,300 | 21,000 |
| Spring      | 6,670 | 20,740 |
| Tyre        | 6,300 | 23,200 |
| Legal Limit | 6,000 | 15,000 |

## Warranty

Vehicle: 24 months/150,000km\*  
 Powertrain: 36 months/200,000km\*  
 Corrosion (Perforation): 36 months  
 \*Which ever comes first. Subject to the terms and conditions detailed in the warranty book.

## Chassis Specifications

### FRONT SUSPENSION

- Alloy steel taper leaf (parabolic) springs
- Nominal size mm 1600 x 80 x 3 leaves
- Stabiliser bar
- Hydraulic double acting, telescopic shock absorbers

### REAR SUSPENSION

- Isuzu 6 rod and trunnion axle location system
- Semi-elliptical alloy steel, multi-leaf springs
- Nominal size mm 1300 x 90 x 7 leaves

### STEERING

- Re-circulating ball steering with integral power assistance.
- Gear ratio: 22.4 : 1
- Turns lock to lock: 5.4
- Gear driven vane type oil pump
- Oil capacity: 3.4 Litres approx.
- Soft feel urethane steering wheel 480mm dia. 2 spoke
- Tilt/telescopic steering column adjustable for height and angle.

### BRAKES

- Front linings 140mm wide
- Rear linings 180mm wide
- Drum diam. front and rear: 410 mm
- Asbestos free lining
- Swept lining area 8,428cm<sup>2</sup>
- Spring park brake acting on rear wheels
- Air dryer

### CHASSIS FRAME

- Parallel rail, ladder type channel section
- Straight frame for easy body mounting
- Side member dimensions: 258 x 85 x 10 mm
- Frame reinforcement angle section
- Material: SAPH440
- Please refer to *Isuzu body builders guide for chassis modifications and body fitment.*

### WHEELS & TYRES

- One piece rim and pressed steel disc 8.25 x 22.5 with 165mm offset, 10 stud, 22mm bolt size.

### Tyres

- 275/70 R, 22.5 radial tubeless

### ELECTRICAL SYSTEM

- 24 volt negative earth system with fuse protection for all major circuits
- Battery: 2 x 12 volt, NS120 type 512CCA @ -18°C
- Starter motor 24 volt, 5.5kW output
- Alternator: 24 volt, 40 amp
- Rear stop and tail lamps and licence plate lamp with long leads for variable body mounting.

## Cabin Specifications

### CAB EXTERIOR

- All steel cab with welded strengthening ribs and door side impact beams.
- Cab tiltable to 45 degrees with torsion bar assist
- Four point cabin suspension utilising silicone filled rubber isolators
- Laminated curved and tinted windshield toughened rear and side glass
- Heavy duty bumper bar with step holes and foot plate
- European style mirrors
- 2 speed windscreen wiper/washer system with variable intermittent mode. Triple washer jets mounted on washer arms.
- Front mud flaps
- Large alloy non-skid entry steps
- Access to engine fluid check at rear of cab
- Access to washer/clutch fluids through lift up front panel of cab
- Cab finished in "Arc white" enamel paint.
- Halogen head lamps

### CAB INTERIOR

- Fully trimmed cab interior with cloth seat facings, formed roof lining
- Isringhausen 6500/517 air suspension drivers seat with auto weight adjustment to 130 kg
- High back outboard passengers seat
- 12v accessory outlet
- Large centre storage area and compartments
- 24v - 2 pin 10 amp accessory plug in centre console
- Standard fully integrated air conditioning
- Easy entry grab handles on "A" and "B" pillars
- AM/FM CD tuner with drivers seek switch.
- Overhead lockers
- Dual sun visors
- Ashtray in both doors
- Drivers foot rest
- Power windows
- Lockable tool box and 10,000kg jack.
- Interior rear view mirror
- Lap/sash seatbelts in outer positions and lap belt for centre seat
- Cigarette lighter

### INSTRUMENTS AND CONTROLS

- Gauges: Electronic speedometer with odometer, and two trip meters, electronic tachometer, dual air pressure, fuel level, coolant temperature, and temp meter
- Warning lamps: Battery charge, low air pressure, and buzzer oil pressure, stop/tail light failure and indicator warning light failure and check engine
- Indicator lamps: Turn signal, high beam, parking brake, reversing lamp and beeper, diff lock
- LH side combination stalk switch for windscreen wipers and washer, exhaust brake, hazard flasher
- RH side combination stalk switch for headlamps, high beam, and turn signals
- Engine idle speed adjust control
- External engine crank switch for when cab tilted
- Imitation wood dash surround
- Multi lamp room light
- Fold down centre seat



Sample photo only. Actual vehicle may differ slightly from that shown.