

# ISUZU TRUCK SPECIFICATIONS

# 1400

**MULTI AXLE CAB/CHASSIS**

**MODEL:**

FVM 1400 6 x 2

FVZ 1400 MEDIUM

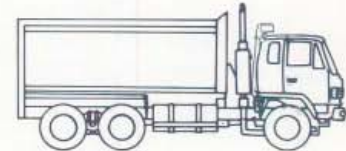
FVZ 1400 LONG

**ORDERING CODE:**

8EV02

8EX02

8EY02



## MODEL RANGE SUMMARY

	ENGINE		TRANSMISSION		AXLE FRONT		AXLE REAR			WHEELBASE (mm)		BRAKES
	6SA1-T 8.4/ Turbo	FULLER RT6610 10 Speed	FULLER RT6613 13 Speed	6000 Capacity	16,500kg Tandem with lazy	16,500 Tandem Drive	Ratio	4250	5650	Full Air S Cam		
<b>FVM 1400 6 X 2</b>	●	●		●	●		4.556		●	●		
<b>FVZ 1400 MEDIUM</b>	●		●	●		●	4.333	●		●		
<b>FVZ 1400 LONG</b>	●		●	●		●	4.333		●	●		

## RATINGS

	GVM (kg)	GCM (kg)	TYRES	ESTIMATED KERB MASS (kg) •			MAX GEARED SPEED (km/h)
				Front	Rear	Total	
<b>FVM 1400 6 X 2</b>	22,500	30,000	11 R 22.5-16 P.R. Tubeless Radial	3070	3360	6430	105
<b>FVZ 1400 MEDIUM</b>	22,500	30,000		3000	3550	6550	110
<b>FVZ 1400 LONG</b>	22,500	30,000		3080	3720	6800	110

• Chassis and cab with oil, water and fuel tank containing 10 litres of fuel.



# MECHANICAL Cab/Chassis Components

FVM  
1400  
6 x 2

FVZ  
1400  
MED.

FVZ  
1400  
LONG

		FVM 1400 6 x 2	FVZ 1400 MED.	FVZ 1400 LONG	
<b>AXLE FRONT</b>	Type: Reverse Elliot I-beam	●	●	●	
	Capacity: 6,000 kg. Toe in: 0 (degrees)	●	●	●	
<b>AXLE REAR</b>	Type: Tandem/single drive with lazy	●			
	Tandem drive		●	●	
	Capacity: 16,500 kg (combined)	●	●	●	
	Final Gear: 440mm diameter hypoid	●			
	365mm diameter hypoid		●	●	
	Ratio: 4.556:1	●			
	Ratio: 4.333:1		●	●	
<b>BRAKE, AUXILIARY BRAKE, PARKING BRAKES, SERVICE</b>	Exhaust brake	●	●	●	
	Type: Spring park brake acting on rear wheels	●	●	●	
	Type: <b>Full air, S Cam</b> , dual circuit. Front and rear - leading and trailing	●	●	●	
	Brake drum diam: 410mm front and rear	●	●	●	
	Brake lining: front: 140 (w) x 414 (l) x 16 (t) mm	●	●	●	
	rear: 180 (w) x 414 (l) x 16 (t) mm	●	●	●	
	Total lining area: 8280cm <sup>2</sup>	●	●	●	
	Air tank capacity: 85.9 litres total	●	●	●	
	Compressor: Bore x stroke: 85 x 60mm, driven at half engine speed	●	●	●	
	<b>CABIN</b>	<b>EXTERIOR</b>			
		<ul style="list-style-type: none"> <li>■ All steel tilt cab, fully trimmed</li> <li>■ Cation electro deposition primer</li> <li>■ Laminated windshield</li> <li>■ 2 speed wiper with intermittent function and washer</li> <li>■ West coast type exterior mirrors with width lamps</li> <li>■ Dual square Halogen headlamps</li> <li>■ Fog lamps</li> <li>■ Combination turn and park lamps</li> <li>■ Corrosion resistant cabin entry steps</li> <li>■ Vertical air intake stack</li> <li>■ Tool kit with 10,000 kg capacity jack</li> <li>■ Access to engine fluid checks without cab tilt operation.</li> </ul>	●	●	●
<b>INTERIOR</b>					
<ul style="list-style-type: none"> <li>■ Fully trimmed cabin interior including cloth seat facings</li> <li>■ AM Radio</li> <li>■ Heater/Demister with 4 speed fan</li> <li>■ Driver and passenger sunvisors</li> <li>■ Side vent windows</li> </ul>		●	●	●	
<ul style="list-style-type: none"> <li>■ Moulded roof lining</li> <li>■ Overhead parcel shelf</li> <li>■ Tilt/telescopic steering wheel</li> </ul>		●	●	●	
<ul style="list-style-type: none"> <li>■ Isri 5000 driver's seat with mechanical suspension, adjustments for seat back recline, seat slide and height control. Outboard seats have lap/sash seat belts with emergency locking retractor. Centre seat with lap seat belt.</li> </ul>		●	●	●	
<b>INSTRUMENTATION</b>					
<ul style="list-style-type: none"> <li>■ Speedometer with odometer, tachometer</li> <li>■ GAUGES - water temperature, fuel level and brake air pressure</li> </ul>		●	●	●	
<ul style="list-style-type: none"> <li>■ INDICATOR LAMPS</li> </ul> Turning indicators, headlamp high beam, exhaust brake on, park brake engaged, inter diff. lock (FVZ)		●	●	●	
<ul style="list-style-type: none"> <li>■ WARNING LAMPS</li> </ul> Oil pressure, water separator, low brake fluid, clogged air filter, clogged engine oil filter and low battery charge		●	●	●	
<ul style="list-style-type: none"> <li>■ SWITCHES</li> </ul> Left side combination switch for exhaust brake, wipers and washer. Hazard lamp switch. Fog lamp switch. Right combination switch for headlamps, turn signals and headlamp dip. Key operation for engine start and stop. Externally mounted switch for engine turnover with cab tilted (mounted on rear RH cab mount)	●	●	●		
<b>CLUTCH</b>	Type: Hydraulic control. Dry single plate with cushioning springs and air servo	●	●	●	
	Size: 380mm diam.	●	●	●	
	Lining area: 1362cm <sup>2</sup> (both sides)	●	●	●	
	Torque capacity: 735Nm	●	●	●	
<b>ELECTRICAL SYSTEM</b>	Batteries: 2 x 12V 55 A/H ■ Alternator: 24V - 40A ■ Starter: 24V - 5.5kW	●	●	●	
	■ Dash mounted fuse box	●	●	●	

FVM  
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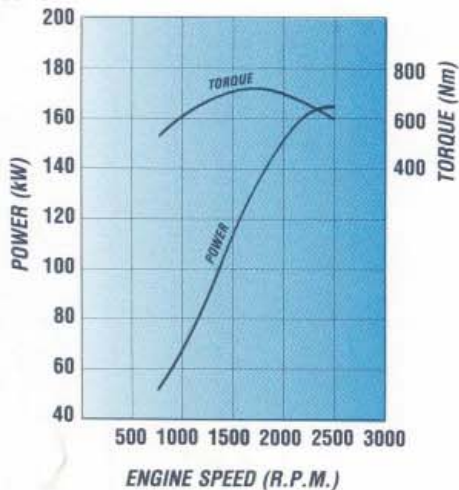
FVZ  
1400  
MED.

FVZ  
1400  
LONG

<b>ENGINE</b>	Isuzu 6SA1-T Type: 6 Cylinder Turbocharged OHC diesel ■ Bore x stroke (mm) 115 x 135 ■ Displacement 8413 (cc) ■ Compression ratios (:1) 16.3 ■ Output-Power (kW) 163 @ 2,500 rpm (DIN Nett) ■ Torque (Nm) 735 @ 1,700 rpm (DIN Nett)	●	●	●
	<b>LUBRICATION</b> Pressure feed with full flow paper element filter, oil cooler ■ Capacity: 16.6 litres, including filters	●	●	●
	<b>COOLING</b> Thermatic type 6 blade fan Size: 520mm Radiator type: Tube and corrugated fin, pressure type ■ Size: 682h x 559w x 80t (mm). Frontal area: 0.393m <sup>2</sup> with bell mouth fan shroud	●	●	●
	<b>AIR CLEANER</b> Paper element, double stage, Donaldson (13"). Vertical air intake stack with rain head	●	●	●
	<b>EXHAUST SYSTEM</b> Type: Vertical muffler mounted on independent gantry	●	●	●
<b>FRAME</b>	Type: Ladder type channel section ■ Side member dimensions: 254 x 85 x 8mm ■ Frame reinforcement L Section 220 x 77 x 4.5 at cab back ■ Frame material: High tensile steel HT55A ■ Section modulus: 686 (10 <sup>3</sup> mm <sup>3</sup> )	●	●	●
<b>FUEL SYSTEM</b>	Injection pump: In line plunger, Bosch 'AD' type with mechanical all speed governor ■ Filters: In line paper filter, water separator with drain cock ■ Fuel tank capacity: 200 litres (cylindrical)	●	●	●
<b>STEERING</b>	Type: Fully integral, power assisted recirculating ball with gear driven hydraulic pump ■ Gear ratio: 22.4:1	●	●	●
<b>SUSPENSION</b>	<b>FRONT</b> Type: Semi-elliptical, alloy steel taper leaf spring with stabiliser bar Size: l x w x t (mm) no. of leaves: 1470 x 80 - 12-2, 13-4, 14-1, 15-1 Shock absorbers: Hydraulic, double acting, telescopic	●	●	●
	<b>REAR</b> Type: ISUZU Six Rod type with semi-elliptical alloy steel leaf springs. Rated capacity per spring - 14,000 kg Size: 1300mm x 80mm x 20mm - 10 leaves	●	●	●
<b>TRANSMISSIONS</b>	Type: 10 speed direct drive Model: Fuller Roadranger RT 6610 Gear Ratios: 1 - 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th RH RL 8.94 7.00 5.46 4.26 3.42 2.61 2.05 1.60 1.25 1.00 2.78 9.50	●		
	Type: 13 speed direct drive Model: Fuller Roadranger RT 6613 Gear Ratios: 1 - 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 17.93 14.04 10.96 8.61 6.74 5.26 4.11 3.29 2.61 2.05 1.60 1.25 13th RH RI RL 1.00 2.78 9.15 19.06			●
<b>TYRES AND WHEELS</b>	Tyre size: 11R 22.5 - 16 ply Tubeless Radial	●	●	●
	Wheel type and size: 8.25T x 22.5 10 stud disc	●	●	●
	No. of wheels: (incl. spare): 11	●	●	●
	Tyre type/pattern: Front: Goodyear G291	●	●	●
	Rear/Spare: Goodyear G291	●		
Rear/Spare: Goodyear G167		●	●	

# ENGINE PERFORMANCE

## 6SA1-T

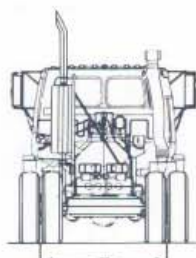
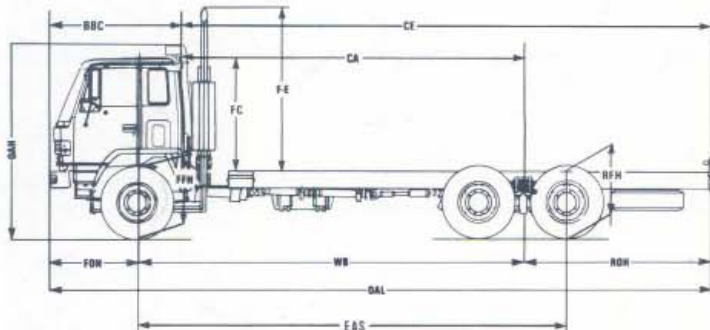
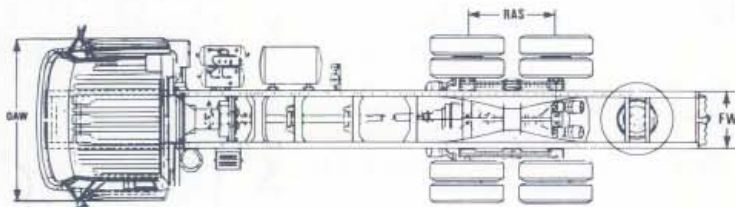


### ISUZU 6SA1-T

Type: 6 Cylinder Turbocharged OHC Diesel ■ Bore x stroke (mm) 115 x 135  
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# DIMENSIONS

**FVM** **FVZ** **FVZ**  
**1400** **1400** **1400**  
**6 x 2** **MED.** **LONG**



OAL (Overall length)	9680	7445	9680
EAS (Extreme axle spacing)	6300	4900	6300
WB (Wheelbase)	5650	4250	5650
RAS (Rear axle spacing)	1300	1300	1300
CA (Cab to axle)*	5000	3600	5000
CE (Cab to end of frame)*	7750	5195	7750
ROH (Rear overhang)	2750	1915	2750
FOH (Front overhang)	1280	1280	1280
BBC (Bumper to back of cab)	1930	1930	1930
OAW (Overall width)	2465	2465	2465
FW (Frame width)	850	850	850
FT (Front track)	1960	1960	1960
RT (Rear track)	1855	1855	1855
FFH (Front frame height)	987	987	987
RFH (Rear frame height)	950	950	950
FC (Frame to top of cab)	1670	1670	1670
FE (Frame to top of exhaust)	2410	2410	2410
OAH (Overall height to top of air intake duct)	2860	2860	2860
TURNING CIRCLE (m)	21.0	16.6	21.0

### ISUZU-GENERAL MOTORS AUSTRALIA LTD. 12/50 WARRANTY.

Every Isuzu F Series is covered by the I-GM New Vehicle Warranty which covers your vehicle for the first 12 months or 50,000 kilometres.

PLEASE NOTE: As the policy of Isuzu-General Motors Australia Ltd. is one of continual product improvement, all specifications and equipment are subject to change without notice. Bodies illustrated are not standard.

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\*CA and CE dimensions are effectively reduced by 485mm with fitment of vertical muffler.

