

**RELIABILITY**

**EFFICIENCY**

**VERSATILITY**

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MODEL	FVZ 1400	FVZ 1400 SWB	FVZ 1400 AUTO	FVZ 1400 SWB AUTO	FVZ 1600 COMPACTOR	FVZ 1600 COMPACTOR AUTO	FVS 750 4X4	FVS 750 4X4 SWA
AXLE LAYOUT	6X4	6X4	6X4	6X4	6X4	6X4	4X4	4X4
CONTROL	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD	FORWARD
<b>MASS</b>								
Permissible Body + Payload (kg)	17 600	17 930	17 550	17 890	18 500	18 450	8 770	8 160
Tare Total (T) (kg)	7 500	7 170	7 550	7 210	7 500	7 550	5 130	5 040
Front Tare (kg)	3 410	3 400	3 470	3 440	3 410	3 470	3 110	3 130
Rear Tare (kg)	4 090	3 770	4 080	3 770	4 090	4 080	2 020	1 910
GVM (kg)	25 100	25 100	25 100	25 100	26 000	26 000	13 900	13 900
V (kg)	25 100	25 100	25 100	25 100	26 000	26 000	13 900	13 200
GCM (kg)	36 000	36 000	36 000	36 000	36 000	36 000	18 000	18 000
D/T (kg)	36 000	36 000	36 000	36 000	36 000	36 000	18 000	18 000
Front Axle – GA/GAU (kg)	7 100	7 100	7 100	7 100	7 100	7 100	5 200	5 200
Front Axle – A/AU (kg)	7 100	7 100	7 100	7 100	7 100	7 100	5 200	5 200
Rear Axle – GA/GAU (kg)	21 000	21 000	21 000	21 000	21 000	21 000	9 200	9 200
Rear Axle – A/AU (kg)	18 000	18 000	18 000	18 000	20 400	20 400	9 000	8 000
Litres of Fuel Tank 1 Included in Tare	15	15	15	15	15	15	15	15
Litres of Fuel Tank 2 Included in Tare	15	15	15	15	15	15	–	–
Tools Included in Tare	Jack, Warning Triangle, Basic Tool Kit	Jack, Warning Triangle, Basic Tool Kit	Jack, Warning Triangle, Basic Tool Kit	Jack, Warning Triangle, Basic Tool Kit	Jack, Warning Triangle, Basic Tool Kit	Jack, Warning Triangle, Basic Tool Kit	Jack, Warning Triangle, Basic Tool Kit	Jack, Warning Triangle, Basic Tool Kit
Spare Wheel Included in Tare	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>PERFORMANCE</b>								
Gradeability @ V (%)	26	26	31	26	26	31	65	65
Gradeability @ D/T (%)	18	18	21	18	18	21	50	50
Max. Geared Road Speed (Without SLD) (km/h)	110	110	110	110	110	110	111	111
Max. Allowable Speed (SLD for SA) (km/h)	80	80	80	80	80	80	80	80
<b>MAJOR DIMENSIONS</b>								
Overall Length (mm)	9 730	7 440	9 730	7 440	9 730	9 730	7 405	7 405
Overall Width (mm)	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400
Wheelbase (mm)	5 700	4 350	5 700	4 350	5 700	5 700	4 250	4 250
CA – Cab to Bogie / Rear Axle (mm)	5 074	3 674	5 074	3 674	5 074	5 074	3 440	3 440
CE – Cab to End of Chassis (mm)	7 664	4 874	7 664	4 874	7 664	7 664	5 340	5 340
OH – Overall Height (mm)	2 885	2 885	2 885	2 885	2 885	2 885	2 940	2 975
FOH – Front Overhang (mm)	1 440	1 440	1 440	1 440	1 440	1 440	1 255	1 255
ROH – Rear Overhang (mm)	2 590	1 650	2 590	1 650	2 590	2 590	1 900	1 900
Rear Axle Bogie Spacing (mm)	1 300	1 300	1 300	1 300	1 300	1 300	N/A	N/A
1/2 Rear Axle Bogie Spacing (mm)	650	650	650	650	650	650	N/A	N/A
EH – Chassis Rear End Height (mm)	1 075	1 075	1 075	1 075	1 075	1 075	1 180	1 180
HH – Ground Clearance (mm)	245	245	245	245	245	245	257	257
Rear Chassis Width (mm)	850	850	850	850	850	850	850	850
Turning Radius – Curb to Curb (mm)	10 800	7 700	10 800	7 700	10 800	10 800	9 000	9 000
Turning Radius – Wall to Wall (mm)	11 800	8 650	11 800	8 650	11 800	11 800	9 850	9 850
<b>ENGINE</b>								
Make	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu
Model	6HK1-TCS	6HK1-TCS	6HK1-TCS	6HK1-TCS	6HK1-TCS	6HK1-TCS	6HK1-TCN	6HK1-TCN
Capacity (cm³)	7 790	7 790	7 790	7 790	7 790	7 790	7 790	7 790
Layout	Diesel Inline-6	Diesel Inline-6	Diesel Inline-6	Diesel Inline-6	Diesel Inline-6	Diesel Inline-6	Diesel Inline-6	Diesel Inline-6
Type	Turbocharged Intercooled Common Rail	Turbocharged Intercooled Common Rail	Turbocharged Intercooled Common Rail	Turbocharged Intercooled Common Rail	Turbocharged Intercooled Common Rail	Turbocharged Intercooled Common Rail	Turbocharged Intercooled Common Rail	Turbocharged Intercooled Common Rail
Power @ r/min (kW)	221 @ 2 400	221 @ 2 400	221 @ 2 400	221 @ 2 400	221 @ 2 400	221 @ 2 400	176 @ 2 400	176 @ 2 400
Torque @ r/min (Nm)	980 @ 1 450 – 2 400	980 @ 1 450 – 2 400	980 @ 1 450 – 2 400	980 @ 1 450 – 2 400	980 @ 1 450 – 2 400	980 @ 1 450 – 2 400	706 @ 1 450 – 2 400	706 @ 1 450 – 2 400
Standard Emissions	Euro 3	Euro 3	Euro 3	Euro 3	Euro 3	Euro 3	Euro 2	Euro 2
<b>CLUTCH</b>								
Make	Exedy	Exedy	N/A	N/A	Exedy	N/A	Exedy	Exedy
Model	380	380	N/A	N/A	380	N/A	380	380
Type	Single	Single	N/A	N/A	Single	N/A	Single	Single
Diameter (mm)	381	381	N/A	N/A	381	N/A	381	381
Operation	Hydraulic Air-Assisted	Hydraulic Air-Assisted	N/A	N/A	Hydraulic Air-Assisted	N/A	Hydraulic Air-Assisted	Hydraulic Air-Assisted
<b>TRANSMISSION</b>								
Make	ZF	ZF	Allison	Allison	ZF	Allison	Isuzu	Isuzu
Model	9 S 1110	9 S 1110	MD3560 AT	MD3560 AT	9 S 1110	MD3560 PR AT	MZW6P	MZW6P
Type	Synchronesh	Synchronesh	Auto	Auto	Synchronesh	Auto	Synchronesh	Synchronesh
Shift	Manual Gearshift	Manual Gearshift	Auto	Auto	Manual Gearshift	Auto	Manual Gearshift	Manual Gearshift
No. of Gears Forward	9	9	6	6	9	6	6	6
Crawler Gear Ratio	9.479	9.479	–	–	9.479	–	–	–
1st Gear Ratio	6.576	6.576	4.593	4.593	6.576	4.593	6.615H / 12.65L	6.615H / 12.65L
2nd Gear Ratio	4.678	4.678	2.257	2.257	4.678	2.257	4.095H / 7.83L	4.095H / 7.83L
3rd Gear Ratio	3.478	3.478	1.535	1.535	3.478	1.535	2.358H / 4.51L	2.358H / 4.51L
4th Gear Ratio	2.617	2.617	1.000	1.000	2.617	1.000	1.531H / 2.93L	1.531H / 2.93L
5th Gear Ratio	1.890	1.890	0.749	0.749	1.890	0.749	1H / 1.19L	1H / 1.19L
6th Gear Ratio	1.345	1.345	0.651	0.651	1.345	0.651	0.722H / 1.38L	0.722H / 1.38L
7th Gear Ratio	1.000	1.000	–	–	1.000	–	–	–
8th Gear Ratio	0.752	0.752	–	–	0.752	–	–	–
9th Gear Ratio	–	–	–	–	–	–	–	–
Rev	8.967	8.967	4.999	4.999	8.967	4.999	6.615	6.615
Permanent 4x4	No	No	No	No	No	No	Yes	Yes
Central Differential Lock	No	No	No	No	No	No	Yes	Yes
Rear Differential Lock	Standard	Standard	Standard	Standard	Standard	Standard	No	No
Limited Slip Differential	No	No	No	No	No	No	Yes	Yes
PTO (Power Take-Off)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>DRIVE AXLE</b>								
Make	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu
Axle Model – Front	F071	F071	F071	F071	F071	F071	F0D47	F0D47
Drive Axle Model – Rear	RT210	RT210	RT210	RT210	RT210	RT210	R092	R092
Hypoid	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Final Ratio : 1	6.143	6.143	6.143	6.143	6.143	6.143	5.571	5.571
<b>SUSPENSION</b>								
Front	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs
Rear	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs	Multi-Leaf Springs
Shock Absorbers	Front	Front	Front	Front	Front	Front	Front	Front
Stabilisers	Front	Front	Front	Front	Front	Front	No	No
<b>STEERING</b>								
Operation	Power	Power	Power	Power	Power	Power	Power	Power
<b>BRAKES</b>								
System Type	Full Air	Full Air	Full Air	Full Air	Full Air	Full Air	Air Over Hydraulic	Air Over Hydraulic
Front	Drums	Drums	Drums	Drums	Drums	Drums	Drums	Drums
Rear	Drums	Drums	Drums	Drums	Drums	Drums	Drums	Drums
Anti-Lock Braking System (ABS)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Park / Emergency System	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
Exhaust Brake	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Engine Brake	No	No	No	No	No	No	No	No
Retarder	No	No	No	No	No	No	No	No
Hill Start Assist (HSA)	No	No	No	No	No	No	No	No
<b>ELECTRICAL &amp; FUEL</b>								
Fuel Tank 1 Capacity (Litres)	400	400	400	400	400	400	200	200
Fuel Tank 2 Capacity (Litres)	–	–	–	–	0	0	0	0
<b>TYRES</b>								
Size & Ply Rating – Front	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	11 R 22.5 – 16PR	365 / 85 R 20
Size & Ply Rating – Rear	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	315 / 80 R 22.5	11 R 22.5 – 16PR	365 / 85 R 20
<b>CAB &amp; EXTRAS</b>								
Type	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Roof	Low	Low	Low	Low	Low	Low	Low	Low
No. of Bunks	0	0	0	0	0	0	0	0
No. of Seats	3	3	3	3	3	3	3	3
Air-Conditioning	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional
Radio / USB	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional
Speakers	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
USB Charger	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Daytime Running Lights (DRL)	Standard	Standard	Standard	Standard	Standard	Standard	–	–
Telematics	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Driver and Far Passenger Airbags	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Central Locking	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Electric Windows	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Tachograph	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
On-Board Computer	No	No	No	No	No	No	No	No
Tilt Cab	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes