

TECHNICAL SPECIFICATIONS

FUSO FZY1W 4X2 M/T **TRUCK CHASSIS WITH CAB**

Model	FUSO FZY1W 4X2 M/T
Type	4 x 2 ; Forward control
Seating capacity	3 (1 +2)
Dimensions :	
Variant	FZY1WFR1R
Wheel base (mm)	3600
Overall length (mm)	6030
Overall width (mm)	2490
Overall height (mm)	2975 (Unladen)
Front tread / track (mm)	2040
Rear tread / track (mm)	1805
Front overhang (mm)	1460
Rear overhang (mm)	970
Minimum Turning Circle diameter (mm)	13100
Weights :	
Kerb weights (kg)	6550
Maximum GVW (kg)	16200
Maximum GCW (kg)	40200 (Including three axle trailer)
Front axle (kg)	6000
Rear axle (kg)	10200
Performance :	
Maximum Gradeability (in crawler gear)	24.4 % (Running)
Maximum Speed of vehicle (Km/h)	90
Engine :	
Model	6S20 170
Type	Compression Ignition, four stroke, direct injection, Turbo Charged inter cooled engine
Bore x Stroke (mm)	102 x 130
No. of Cylinders ; layout	6 ; inline
Displacement (cc)	6370
Compression Ratio	18:1
Max. Engine Output (kW @ rpm)	170 kW @ 2200 rpm
Max. Torque (Nm @ rpm)	810 Nm @ 1200 to 1600 rpm
Generator	24V, 80A
Clutch :	
Type	Dry - Single plate, Hydraulic actuated control with servo assistance
Diameter (mm)	430
Transmission :	
Model	G131
Type	Mechanical (manual), Synchromesh type
No. of Gears	9 Forward + 1 reverse

Gear Ratio	Crawler	1st	2nd	3rd	4th	5th	6th	7th	8th	Reverse
		14.57	9.48	6.64	4.82	3.67	2.59	1.81	1.32	1.00
Drive Axle (Front/ Rear/ All)		Rear axles								
Rear Axle Ratio		4.778								
Differential type		Sun gear with planetary gears								
Axle :										
Front axle – type		Reverse Elliott type								
Rear axle – type		Fully floating , Hypoid gears								
Chassis Frame, Cabin & Suspension :										
Chassis Type		Ladder type								
Depth x Thickness x Flange Width (mm)		288 x 9 x 70 (outer) (H x T x W)								
Cabin		Sleeper cabin , tilt able								
Front Suspension :										
Type		Parabolic – Multi leaf spring								
Anti – roll bar		Provided								
Rear Suspension :										
Type		Leaf, Semi elliptic with auxiliary spring								
Anti - Roll Bar		Not applicable								
Wheels & Tyres :										
Wheel Rim Size		7.50 x 20								
Tyre Size designation including ply rating		11.00 R 20 – 16 PR								
Tyre Type (Radial/ Cross/ Tube/ Tubeless)		Radial ; Tube								
Spare wheel		Provided								
Steering :										
Type/ Description		Power assisted – Hydraulic								
Brakes :										
Service Brake (Brief Description)		Pneumatic, Foot operated, Dual line acting on all wheels								
Front (Disc/ Drum)		Drum								
Rear (Disc/ Drum)		Drum								
Parking Brake		Pneumatically operated Spring brake actuator acting on rear axle								
Additional retarding device		Engine brake & Exhaust brake								
Fuel tank & Electrical system :										
Fuel tank capacity (lit)		380 / 200 (Optional)								
Electrical system voltage		24V								
Batteries		2x 12V, 120 Ah								
Fifth wheel coupling										
Type		Manually operated with rubber bearing								
King pin diameter, Inch		2" / 3.5" optional								
Height (with mounting bracket), mm		245								
Optimum king pin offset, mm		350								