

FRR 500 FREIGHTER (4 x 2)

Engine

Model	ISUZU 6HH1-N
Type	Naturally aspirated
No. of cylinders	6 in-line
Bore x stroke (mm)	115 x 132
Displacement (cm ³)	8,226
Weight (kg)	525
Compression ratio (:1)	18.5
*Output (kW @ r/min)	129 @ 2,800
* Torque (N.m @ r/min)	461 @ 1,700
* ISO rating	

Clutch

Make/Model	DAIKIN
Type	Single dry plate
Diameter (mm)	350
Operation	Hydraulic

Transmission

Make/Model	ISUZU MJB6T
Ratios (:1)	
• 1st	6.378
• 2nd	3.627
• 3rd	2.307
• 4th	1.452
• 5th	1.000
• 6th	0.787

Front Axle

Type	Reverse Elliot I-beam
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Rear Axle

Type	Single banjo, fully floating
Final drive ratio (:1)	4.750

Performance

Maximum speed (km/h)	113
Gradeability (%)	29.1

Suspension

Front	Semi-elliptical leaf springs
Rear	Semi-elliptical leaf springs

Brakes

System	Air over hydraulic
Park brake	Air acting on rear wheels
Total friction area (cm ²)	3,404

Steering

Ratio (:1)	18.8 – 16.1
Operation	Power

Cab

Control	Forward
Tilt	Yes

Wheels

Type	Radial
Tyres:	
• Front	8.25R16-14PR
• Rear	8.25R16-14PR
Rims:	
• Front	6.00GS x 16
• Rear	6.00GS x 16

Fuel tank

Capacity (litres)	200
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Electrical system

System voltage (V)	24
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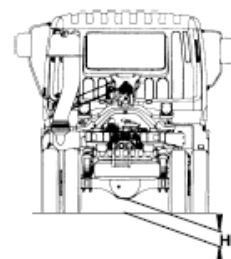
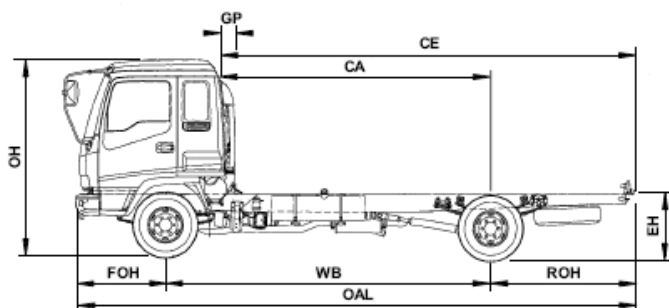
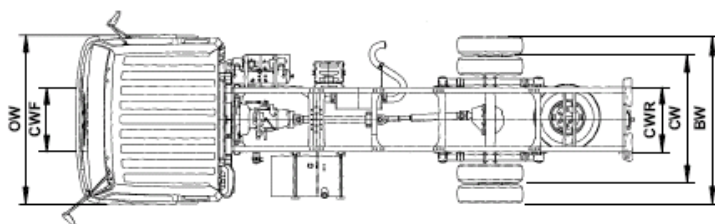
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Vehicle Dimensions (mm)

AOL	Overall length	7,220
OW	Overall width	2,200
OH	Overall height	2,550
WB	Wheelbase	4,250
CE	Cab to chassis end	5,240
CA	Cab to rear axle	3,455
FOH	Front overhang	1,185
ROH	Rear overhang	1,785
GP	Body gap	140
BW	Rear axle width	2,165
AW	Front track	1,790
CW	Rear track	1,660
EH	Chassis rear end height	905
CWF	Front chassis width	840
CWR	Rear chassis width	840
HH	Rear ground clearance	195

Vehicle Masses (kg)

Manufacturer's GVM	10,400
Permissible gross mass (V)	10,400
Manufacturer's GCM	16,000
Permissible combination mass (D/T)	16,000
Chassis cab weight	3,050
Unladen:	
• Front	1,990
• Rear	1,090
Body and payload	7,320
Gross axle mass load – front (GA ¹)	3,600
Gross axle mass load – rear (GA ²)	7,700
Permissible axle load – front (A ¹)	3,600
Permissible axle load – rear (A ²)	6,800
Tyre capacity – front	3,600
Tyre capacity – rear	6,800



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