

FRR500/FRD500

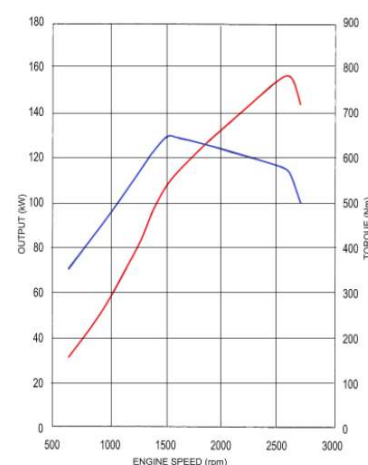


4x2

MODEL	FRR500	FRD500
GVM (kg)	10,700	10,700
GCM (kg)	16,000	16,000
Max Power (Kw)	151	151
Max Torque (Nm)	637	637
Wheelbase (mm)	4660	4660
Suspension	Steel	Air



ENGINE			
Engine Model	ISUZU 4HK1-TCS	Type	4 cyl 24 valve, SOHC
Displacement	5,193cc	Compression Ratio	17.5:1
Max Power (DIN Nett)	151 kW (205 HP) @2,600 RPM		
Max Torque (DIN Nett)	637 Nm (470 lb.ft) @1,600 RPM		
Emission Control System	Euro V with cooled Exhaust Gas Retention & Diesel Particulate Diffuser, Euro V compliant.		
Fuel System	Electronically controlled direct injection, high pressure common rail 200 litre fuel tank with lockable fuel cap		
Air Intake System	Electronic Variable Geometry System turbocharger with air-to-air intercooler		



CLUTCH		PERFORMANCE		
Standard:	• Air assist hydraulic control. Single plate 352 mm dia.	Engine rpm (top gear at 90km/h): 2170	Speed Limit:	Not limited
AMT Model (optional):	• AMT - Fully automated hydraulically controlled wet clutch and torque convertor with lock up.	Low Speed Gradeability @ GVM (lowest forward gear, no wheel slip)		45%

TRANSMISSION							
Manual:	ISUZU MZW-6P						
standard	6 speed manual. Synchromesh on gears 2-6.						
Ratios (:1)	1st	2nd	3rd	4th	5th	6th	Rev
	6.615	4.095	2.358	1.531	1.000	0.722	6.615
AMT Optional	ISUZU MZW-6P 6-speed Automated Manual Transmission (AMT) with both fully automatic and clutch-less manual operation modes.						
PTO:	provision on LHS of transmission case. PTO drive from mainshaft gear						

AXLES	
Front	ISUZU F041, Reverse Elliot I-beam. 4,100 kg capacity
Rear	ISUZU R077, Full floating Banjo type. 7,700 kg capacity
Ratio	4.875:1
WHEELS AND TYRES	
• 6 stud 17.5X6.75	
• Steer axle: 235/75R17.5-132/130M	
• Drive axle: 235/75R17.5-132/130M	
• Silver painted wheel rims, Frame mounted spare wheel with tyre	

CHASSIS			
Suspension	Chassis	Brakes	Electrical & Steering
<ul style="list-style-type: none"> Front: Single stage alloy steel taper leaf springs. Single stage alloy steel multi leaf springs. Double acting hydraulic shock absorbers. Stabiliser bar. REAR (FRR): Multi leaf main spring, multi leaf helper spring. REAR (FRD): Hendrickson HAS200 airbag. 9,000 kg capacity at ground. Outside double acting shock absorbers. 	<ul style="list-style-type: none"> Cold riveted ladder frame with parallel side rails. HT540A high tensile weldable steel sidemembers Side rail (mm): 225 x 70 x 6.0 Rear frame width (mm): 840 	<ul style="list-style-type: none"> Dual circuit air over hydraulic front and rear drum brakes. ABS ASR traction control. Hill Start Aid (HSA). Front drum size: 320 x 120 mm Rear drum size: 320 x 145 mm Spring park brake. Air controlled exhaust brake. Air dryer. 	<ul style="list-style-type: none"> Power assisted recirculating ball steering. Turns lock to lock: 4.1 Maximum angle: 52° (inside wheel) / 39° (outside wheel) ELECTRICAL SYSTEM 24 volt electrical system. 60 amp alternator. 24 volt, 5.0 kW starter motor. 2 x 115E41L (651 CCA) batteries. CAN interface, SAE J1939 protocol

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CAB AND INTERIOR		
Cab Exterior	Cab Interior	Instruments and Controls
<ul style="list-style-type: none"> All steel construction. High tensile steel used for cab under-frame. Manual cab tilt to 45° with torsion bar assistance. Complies with ECE-R29 cab strength standard. Liquid filled front and rear cab mounts. Heavy duty non slip entry steps. 90° opening internally reinforced front doors. Water spray suppression guards and front mud-flaps. Two speed windscreen wipers, with intermittent wipe mode. Halogen multi-reflector headlamps incorporating turn signals. Additional door mounted integrated side indicator/cornering lamps. Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm. Roof-mounted clearance lamps. Heated and powered exterior main mirrors with flat glass and additional powered convex "spot" mirrors. Body coloured grille. Body coloured steel bumper with front fog lamps. 	<ul style="list-style-type: none"> ISRI 6860 air-suspension driver's seat with pneumatic lumbar support, height, rake & automatic weight adjustment. Front passenger adj bucket seat & front centre seat with folding seat back. 3-point seat-belts in outboard seating positions. Driver seatbelt with pre-tensioner. Outboard front passenger seatbelt fitted with pre-tensioner. Centre seat lap belts. Driver and outboard front passenger airbag. AMT model: Driver's footrest. Door and roof pillar entry assist grips. Vinyl floor covering. Driver & passenger overhead storage shelf. Tilt/Telescopic adj steering column, soft feel urethane steering wheel with audio controls. Electric windows. Central locking with remote key-less entry & immobiliser. Twin cup holders. 24V cigarette lighter. Front door mounted storage pockets & driver's side ashtray. Centre console box & storage tray. Fold down tray behind centre seat. Integrated air conditioning, heater/demister & Fluorescent interior lamp Multimedia unit with 6.2" LCD touch screen. Android OS. DAB+ digital radio, integrated Bluetooth with voice recognition. Inbuilt media viewer. Internet radio via smartphone. 32GB file storage. USB & auxiliary inputs. OPTIONS: (full details from your Isuzu dealer): Telematics system. Supports up to five camera inputs. One digital camera, Reversing sensors, tyre pressure monitoring. Wireless phone charger for Qi enabled phones. 	<ul style="list-style-type: none"> DRIVER CONTROLS: Key- start/stop. HSA slow/fast engagement control and on/off switch. ASR on/off & DPD regeneration. AMT model: AMT slow/fast gear engagement control, 1st gear start & economy gear selection modes, gear selection control with R-N-D and sequential shift positions. Left side combination stalk: Windscreen wipers, washers & exhaust brake. Right side combination stalk: Turn signals, headlamps. Cruise control (AMT only) INSTRUMENTATION: Speedometer and tachometer. Digital odometer with integrated dual trip-meter. Engine coolant temperature, fuel level and air pressure gauges. Warning lamps: Check engine, oil pressure, low coolant level, ABS, SRS airbag, alternator charge, service brakes, park brake, seat belt unfastened, low air pressure, low fuel level, cab lock. AMT model: Check AMT. Indicator lamps: HSA, warm up system, high beam, ASR, DPD status, exhaust brake, turn signals. AMT model: Econo-mode, 1st gear start, cruise control (AMT only). AMT model: Gear selection display. Multi-information display, (AMT only). Service intervals, vehicle systems status, instantaneous and average fuel consumption, DPD bar chart, hour-meter, voltmeter, time/day/date and includes 40-120km/h adjustable vehicle speed warning

WEIGHTS (KG)								
Model Codes	Models	Ratings*		Loading Limits (at ground)*		Chassis Cab Tare Mass**		
		GVM	GCM	Front	Rear	Front	Rear	Total
FR0116	FRR500	10,700	16,000	4000	7600	2060	1150	3210
FR0216	FRR500 AMT	10,700	16,000	4000	7600	2060	1150	3210
FR0316	FRD500	10,700	16,000	4000	7600	2105	1290	3395
FR0416	FRD500 AMT	10,700	16,000	4000	7600	2105	1290	3395

* Vehicle ratings and front and rear mass limits are subject to regulatory requirements – Consult your dealer to select a specific vehicle to suit your requirements

** Chassis cab as supplied from the factory including 10 litres of fuel

DIMENSIONS (mm) *Unladen condition											Turn Circle (m)
Models	WB	OAL	cab height*	FOH	ROH	EA	CE	outer rear track	cab width	RFA*	Kerb to Kerb
FRR500	4660	7875	2595	1170	2045	4104	6150	2152	2200	985	14.8
FRD500	4660	7875	2595	1170	2045	4104	6150	2152	2200	915	14.8

WARRANTY
<p>Full vehicle warranty: 36 months or 150,000 kilometres whichever occurs first. All warranty is subject to terms and conditions as detailed in the Owner's Manual Service and Warranty Supplement</p>
<p>A policy of continuous improvement means that these specifications are subject to change without notice. Contact your Isuzu dealer or visit our website at Isuzu.co.nz to confirm specifications. Images of vehicles are representative only and may differ slightly from the actual vehicle.</p>

