

FRR/FRD600



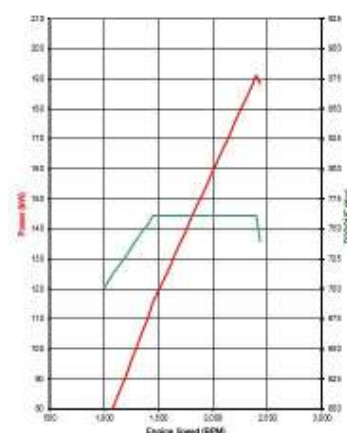
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MODEL	FRR600	FRR600 auto	FRR600L auto	FRD600L auto
GVM (kg)	11,000	11,000	11,000	11,000
GCM (kg)	16,000	16,000	16,000	16,000
Max Power (kW)	191	191	191	191
Max Torque (Nm)	760	760	760	760
Wheelbase (mm)	5160	4360	5160	5160
Suspension	steel	steel	steel	air



ENGINE			
Engine Model	ISUZU 6HK1-TCC	Type	6 cyl 24 valve, SOHC
Displacement	7,790cc	Compression Ratio	17.5:1
Max Power (DIN Nett)	191 kW (260 HP) @2,400 RPM		
Max Torque (DIN Nett)	760 Nm (560 lb.ft) @1,450 - 2400 RPM		
Emission Control System	Euro V, Cooled EGR with exhaust Diesel Particulate Diffuser (DPD)		
Fuel System	Electronically controlled direct injection, high pressure common rail 200 litre fuel tank with lockable fuel cap		
Air Intake System	Electronically controlled variable nozzle turbo charger with air-to-air intercooler		

Isuzu 6HK1-TCC



CLUTCH		PERFORMANCE	
Standard:	<ul style="list-style-type: none"> Air assisted hydraulic control. Single plate 381 mm diameter. Total lining area: 1,363 cm 	Eng rpm (6th gear 90km/h):1555 (man)	Speed Limit: not limited.
		Low Speed Gradeability @ GVM (lowest forward gear, no wheel slip)	man 47% & auto 39%

TRANSMISSION							
Manual:	ISUZU MZW-6P						
	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	1.00	0.722	6.615
Auto (optional)	Allison LCT2500 6 speed automatic. 5th generation,						
Ratios (:1)	1st: 3.51, 2nd: 1.90, 3rd: 1.44, 4th: 1.00, 5th: 0.74, 6th: 0.64, Rev 5.09						
	Manual - LHS of transmission case. PTO drive from mainshaft.						
	Auto - LHS & RHS openings on case. Torque convertor driven drive gear						

AXLES	
Front	Isuzu F041. 4100kgs capacity
Rear	Isuzu R077 / Full floating banjo type housing, 7700kgs capacity
Ratio:	4.333:1

WHEELS AND TYRES	
<ul style="list-style-type: none"> 17.5x6.75x135mm 6-stud steel wheel rims Steer axle: 235/75R17.5 132/130M tubeless tyres Drive axle: 235/75R17.5 132/130M tubeless tyres Silver painted wheel rims, Frame mounted spare wheel 	

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 Rail dimensions (mm) 225 x 70 x 6 HT540 weldable steel main rails Parallel side rails 840mm wide 	<ul style="list-style-type: none"> ABS controlled - Dual circuit air-over-hydraulic front and rear. Traction Control (except auto). Hill Start Aid (HSA) (except auto) Front drum 320mm x 120mm Rear drum 320mm x 145mm Spring park brake on rear wheels Air dryer Air controlled exhaust brake 	<ul style="list-style-type: none"> 24 volt negative earth system 60 amp alternator Batteries - 2 x 115E41L 80Ah, 665CCA @ 18°C <p>Steering</p> <ul style="list-style-type: none"> Power assisted recirculating ball Gear Ratio 16:1 – 18:1 Turns lock-to-lock 4.1

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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 mudflaps. 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 steel air dam 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 & outboard front passenger airbag. Door and roof pillar entry assist grips. Full interior trim. Padded roof lining and vinyl floor covering. Driver and passenger windscreen header storage shelf. Tilt/Telescopic adj steering column, soft feel urethane steering wheel with audio controls. Electric windows. Central locking with remote key-less entry and immobiliser. Twin cup holders. 24V Cigarette lighter. Dashboard hook. Front door mounted storage pockets and driver's side ashtray. Centre console box & storage tray. Fold down tray behind centre seat. Integrated air conditioning, heater/demister with 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 & auxilliary 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. 	<p>DRIVER CONTROLS</p> <ul style="list-style-type: none"> Key-operated engine start/stop and steering lock. . HSA slow/fast engagement control and on/off switch - except auto model. ASR on/off - except auto DPD regeneration. T-bar gear selection control (auto model). Left side combination stalk: Windscreen wipers, washers & exhaust brake. Right side combination stalk: Turn signals, headlamps and cruise control, (auto only). <p>INSTRUMENTATION</p> <ul style="list-style-type: none"> Electronic speedometer & tachometer. Digital odometer with integrated dual trip-meter. Engine coolant temperature, fuel level & air pressure gauges. Warning lamps: Check engine, oil pressure, ABS, SRS airbag, alternator charge, service brakes, park brake, seatbelt unfastened, low air pressure, low fuel level, cab lock. Indicator lamps: HSA (except auto model), warm up system, high beam, ASR (except auto and crew models), exhaust brake, turn signals, cruise control (auto only). Multi information display. Shows 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
FR0616	FRR600 Auto	11,000	16,000	4000	7600	2230	1265	3495
FR0716	FRR600	11,000	16,000	4000	7600	2290	1335	3625
FR0916	FRR600L Auto	11,000	16,000	4000	7600	2290	1335	3625
FR1016	FRD600L Auto	11,000	16,000	4000	7600	2290	1335	3680

* 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
FRR600 auto	4360	7255	2585	1170	1725	3464	5190	2170	2200	895	13.9
FRR600 & L auto models	5160	8605	2585	1170	2275	4264	6540	2170	2200	895	16.4

WARRANTY

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

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

