FSERIES



FRR 110-240 FRD 110-240



WEIGHT RATINGS* GVM 11,000 kg GCM 16,000 kg

ENGINE POWER 177 kW @ 2,400 rpm TORQUE 765 Nm @ 1,600 rpm

Т	RA	NS	Μ	IS	SI	ON	1

6 speed manual transmission (MT)

weight rating 6 speed automated manual transmission (AMT) information

* Refer to back page for detailed

ISUZU CARE

WARRANTY	6 Year Standard Warranty		
WARRANT	300,000 km / no hours stipulation		
ROADSIDE ASSIST	6 Year Roadside Support		
ROADSIDE ASSIST	24/7 Unlimited km		
	3 Year Standard Warranty		
HARSH APPLICATION WARRANTY	200,000 km / no hours stipulation		
(CONCRETE AGITATOR / GARBAGE COMPACTOR)	3 Year Roadside Support		
	24/7 Unlimited km		

SERVICE AGREEMENTS

JUNUICU AUROUIU						
OPTIONAL SERVICE PACKAGES	ESSENTIALS	ESSENTIALS PLUS	TOTAL			
SCHEDULED SERVICINGS	•	•	•			
CONSUMABLES		•	٠			
ENGINE, TRANSMISSION & DRIVELINE			•			
EXTRAS	After-hours Servicir	ng, Glass, Fuel Card, Pie	kup - Dropoff			

INTELLIGENT SAFETY

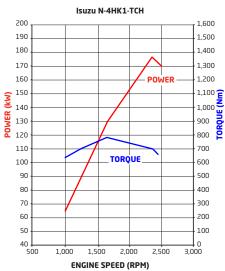
	Advanced Emergency Braking	(AEB)		
	Forward Collision Warning	(FCW)		
	Distance Warning System	(DWS)		
	Lane Departure Warning	(LDW)		
ACTIVE SAFETY ADVANCED DRIVER	Electronic Stability Control	(ESC)		
ASSISTANCE SYSTEMS (ADAS)	Anti Skid Regulator	(ASR)		
	Anti Lock Braking System	(ABS)		
	Hill Start Aid	(HSA)		
	Cab Tilt Warning	(CTW)		
	Low light capable reversing camera			
	Driver and front passenger airbags			
PASSIVE SAFETY CABIN OCCUPANT	Driver and front left hand passenger seatbelt pretensioners			
SAFETY SYSTEMS (COSS)	ECE-R29 cab with side anti-intrusion beams			
	Door mounted cornering lamps			



Subject to the conditions outlined in the IAL New Vehicle Warranty. For further information please visit isuzu.com.au or contact your local dealer.

FRR 110-240 FRD 110-240

ENGINE			
DESCRIPTION	Isuzu N-4HK1-TCH		
ТҮРЕ	4 cylinder 16 valve SOHC		
DISPLACEMENT	5,193 cc		
COMPRESSION RATIO	16.5:1		
BORE X STROKE	115mm x 125	āmm	
POWER	177kW (240P	S) @ 2,400 RPM (DIN NET)	
TORQUE	765Nm @ 1,6	00 RPM (DIN NET)	
INDUCTION	Low pressure turbocharger and high pressure Variable Geometry System (VGS) turbocharger sequentially operated and with air-to air intercooler.		
FUEL INJECTION	Direct injection high pressure common rail system. Exhaust pipe fuel injection for DPD regeneration		
EMISSION CONTROL		ith exhaust Diesel Particulate Diffuser D/03 (Japan PNLT) compliant.	
	Туре:	Constant mesh	
РТО	Rotation direction:	Anticlockwise when viewed from rear	
(PTO MODEL ONLY)	Torque rating:	353Nm	
	Ratio:	0.7	



TRANSMISSION

	TRANSMISSION							
	CLUTCH	Type: Single plate with air assisted hydraulic control						
		Clutch plate diameter: 352 mm						
		Clutch I	Clutch lining area: 1,164cm ²					
		Descrip	tion: Isu	zu MZW-6	δP			
		Туре: 6	speed w	ith synch	romesh o	n gears 2	-6	
МТ	GEARBOX	Ratios: 1st	2nd	3rd	4th	5th	6th	Rev
		6.615	4.095	2.358	1.531	1.000	0.722	6.615
			Take Off ssion case	facility: F	PTO provi	sion on LH	IS of	
		Other features: Air assisted shift, full pressure oil lubrication						
		Description: Isuzu MZW-6P						
		Type: 6 speed with both fully automatic and clutchless manual operation modes						
		Ratios:						
	AMT	1st	2nd	Зrd	4th	5th	6th	Rev
		6.615	4.095	2.358	1.531	1.000	0.722	6.615
		Power Take Off facility: PTO provision on LHS of transmission case. PTO drive from mainshaft gear						
				Integrate th lock up		ated wet o	clutch and	d torque

AXLES		
	Description:	Isuzu F041
FRONT	Туре:	Reverse Elliot I-beam
	Capacity:	4,100 kg
	Description:	Isuzu R077
REAR	Туре:	Single drive
RCAR	Capacity:	7,700 kg
	Ratio:	4.875 (SWB), 4.555 (except SWB)

SUSPENSION

FRONT		Type	Single stage alloy steel taper-leaf springs (except SWB)		
		Туре:	Single stage alloy steel multi-leaf springs (SWB)		
		Other features:	Double acting hydraulic shock absorbers. Stabiliser bar.		
	FRR	Туре:	Multi-leaf main spring, multi leaf helper spring		
REAR		Description:	Hendrickson HAS200		
	FRD	Туре:	Airbag		
	Capacity	Capacity:	9,000 kg at ground		

BRAKES				
ТҮРЕ	Air over hydraulic dual circuit front and rear drum brakes.			
DIAMETER X WIDTH FRONT	320 x 120mm			
DIAMETER X WIDTH REAR	320 x 145mm			
PARK BRAKE	Spring park brake acting on all rear wheels			
AUXILIARY BRAKE	Air controlled exhaust brake			

STEERING			
ТҮРЕ	Power assisted recirculating ball		
GEAR RATIO	16.1 - 18.8:1		
TURNS LOCK TO LOCK	4.1		
WHEEL LOCK ANGLE	52° (inside wheel) / 39° (outside wheel)		

WHEELS & TYRES			
	Wheels:	17.5 x 6.75 six stud steel wheels	
FRONT	Tyres:	235/75R17.5 132/130M Michelin X Multi Z Tubeless	
	Steer axle tyre rating:	4,000 kg	
	Wheels:	17.5 x 6.75 six stud steel wheels	
REAR	Tyres:	235/75R17.5 132/130M Michelin X Multi Z Tubeless	
	Drive axle tyre rating:	7,600 kg	
Spare: Spare wheel and tyre assembly supplied. Winch type carrier.			

 CHASSIS FRAME

 TYPE
 Cold rivetted ladder frame with parallel side rails.

 MATERIAL
 HT540A steel sidemembers

 DIMENSIONS
 Side rail (mm): 225x70x6.0 Rear frame width (mm): 840



FUEL TANK		
ТҮРЕ	Frame mounted steel fuel tank	
CAPACITY	200L	
FUEL CAP	Lockable	

ELECTRICAL SYSTEM

ТҮРЕ	24 volt					
ALTERNATOR	90 amp					
STARTER MOTOR	5.0 kW					
BATTERY	2 x 115E41L (651 CCA) batteries connected in series					
CAN BUS PROVISION	Underdash CAN system access plug for connection to a Fleet Management System (FMS) (not supplied)					

CABIN SPECIFICATIONS & APPOINTMENTS

CABIN GENERAL FEATURES					
ENGINE ACCESS	Manual cab tilt to 45°with torsion bar assistance				
STEPS	Heavy duty anti slip steps				
DOORS	90° opening internally reinforced front doors				
MIRRORS	Heated and powered exterior main mirrors with flat glass & additional independantly adjustable convex "spot" mirrors				
WIPERS	Two speed windscreen wipers with intermittent wipe mode				
	LED main beam & halogen high beam headlamp assembly with position lamp				
EXTERIOR LIGHTING	Roof mounted clearance lamps				
	Front foglamps				
AUDIBLE WARNING	Reverse alarm				
GRILLE	Body coloured				
FRONT BUMPER	Body coloured air dam type				
SECURITY	Central locking with remote keyless entry & immobiliser				

CABIN INTERIOR					
	Isri 6860/875 NTS air suspension driver's seat				
SEATING	Front passenger adjustable bucket seat & front centre seat with folding seat back				
SEATBELTS	3-point lap sash seatbelts in all outboard seating positions. Driver seatbelt integrated with driver seat. Centre seat lap belts.				
STEERING COLUMN	Tilt/telescopic adjustable				
ENTRY ASSIST GRIPS	Door & roof pillar mounted				
DOOR WINDOWS	Electric control				
	Overhead compartments				
STORAGE	Twin cup holders				
STORAGE	Centre console box & storage tray				
	Front door pockets				
POWER OUTLET	24V cigarette lighter				
AIRCONDITIONING	Manual control				
INTERIOR LIGHTING	Fluorescent lamp				

MYISUZU CO-PILOT AUDIO VISUAL UNIT				
SCREEN TYPE	10.1" 1080p High Definition with capacitive touch			
OPERATING SYSTEM	Android Automotive			
RADIO	AM/FM/DAB+			
INTERNAL STORAGE CAPACITY	32GB			
SMARTPHONE INTEGRATION	USB 3.0 socket			
	Wi-Fi connectivity			
	Android Auto / Apple CarPlay compatible			
	Phone storage pocket			

DRIVER CONTROLS					
SAFETY SYSTEMS	AEB on/off, DWS on/off/sensitivity adjust, LDW on/off/sensitivity adjust, ESC on/off, HSA on/off/ sensitivity adjust				
	Idle stop system on/off (except SWB)				
ENGINE	idle speed control				
ENGINE	Cruise control				
	DPD manual regeneration switch				
TRANSMISSION	Slow/fast gear engagement control, 1st gear start and normal/economy gear selection modes.				
(AMT ONLY)	Gear selection control with R-N-D and sequential shift positions				
GENERAL CONTROLS	Headlamp on/off and levelling, windscreen wipers (2 speed and intermittent modes), washers, exhaust brake, turn signals				

INSTRUMENTATION					
	AEB,FCW,DWS,LDW systems activation alerts				
	CTW indicator				
	Low engine oil level alert				
	Vehicle systems status				
MULTI INFORMATION DISPLAY	Low fuel level alert				
	Fuel consumption information				
	Service interval alerts				
	Hourmeter				
	Adjustable vehicle speed warning				
	Speedometer & tachometer				
GENERAL INSTRUMENTATION	Digital odometer with integrated dual tripmeters				
	Engine coolant temperature, fuel level and air pressure guages				

FRR 110-240 FRD 110-240



WEIGHTS (kg)

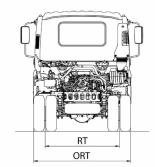
	RATI	NGS*	LOADING LIMI	T* (at ground)	CAB CHASSIS WEIGHT #			
MODELS	GVM	GCM	FRONT	REAR	FRONT	REAR	TOTAL	
FRR 110-240 SWB PT0	11,000**	16,000	4,000	7,600	2,260	1,185	3,445	
FRR 110-240 MWB	11,000**	16,000	4,000	7,600	2,195	1,160	3,355	
FRR 110-240 AMT MWB	11,000**	16,000	4,000	7,600	2,215	1,160	3,375	
FRR 110-240 MLWB	11,000**	16,000	4,000	7,600	2,215	1,165	3,380	
FRR 110-240 AMT MLWB	11,000**	16,000	4,000	7,600	2,235	1,165	3,400	
FRR 110-240 LWB	11,000**	16,000	4,000	7,600	2,230	1,205	3,435	
FRR 110-240 AMT LWB	11,000**	16,000	4,000	7,600	2,250	1,205	3,455	
FRR 110-240 XLWB	11,000**	16,000	4,000	7,600	2,270	1,200	3,470	
FRR 110-240 AMT XLWB	11,000**	16,000	4,000	7,600	2,290	1,200	3,490	
FRD 110-240 AMT XLWB	11,000**	16,000	4,000	7,600	2,255	1,290	3,545	

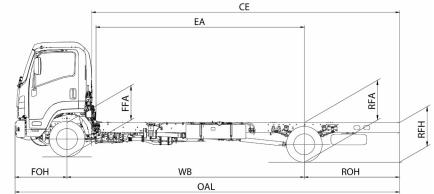
* Vehicle ratings and front/rear weight limits are subject to government regulatory requirements and weight distribution analysis. Consult your Isuzu dealer to select the correct vehicle for your specific application. ** Optional 8,000kg GVM rating available. # Cab chassis only as supplied and including 10 litres of fuel.

DIMENSIONS (mm)

MODELS	WB	OAL	FOH	ROH	EA	CE	RT	ORT	СН	FFA (unladen)	RFA (unladen)	RFH (unladen)	TURNING CIRCLE KERB TO KERB (m)
FRR 110-240 SWB PTO	3,790	6,555	1,170	1,595	3,020	4,830	1,660	2,170	2,605	730	905	960	12.0
FRR 110-240 MWB	4,060	6,975	1,170	1,745	3,430	5,250	1,660	2,170	2,595	720	895	960	12.9
FRR 110-240 MLWB	4,660	7,875	1,170	2,045	4,030	6,150	1,660	2,170	2,595	720	890	970	14.8
FRR 110-240 LWB	4,990	8,325	1,170	2,165	4,360	6,600	1,660	2,165	2,585	720	885	965	15.9
FRR 110-240 XLWB	5,320	8,625	1,170	2,135	4,690	6,900	1,660	2,165	2,585	725	895	965	16.9
FRD 110-240 XLWB	5,320	8,625	1,170	2,135	4,690	6,900	1,660	2,170	2,595	720	820	860	16.9







PERFORMANCE (calculated · typical paved road)							
		GEARED SPEED [^] (top gear at peak power engine rpm)	LOW SPEED GRADEABILITY (lowest forward gear assuming no wheel slip)	ENGINE SPEED (top gear at 100 km/h)			
FRR/FRD 110-240	at 11,000kg GVM (SWB)	100 km/h @ 2,400 RPM	53%	2,410 RPM			
FRR/FRD 110-240	at 11,000kg GVM (except SWB)	107 km/h @ 2,400 RPM	72%	2,255 RPM			

* Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information.

ORDER CODES						
Models	Codes					
FRR 110-240 SWB PT0	FH-FRREE-A22					
FRR 110-240 MWB	FH-FRRED-B22					
FRR 110-240 AMT MWB	FH-FRRED-G22					
FRR 110-240 MLWB	FH-FRRED-D22					
FRR 110-240 AMT MLWB	FH-FRRED-Z22					
FRR 110-240 LWB	FH-FRREP-D22					
FRR 110-240 AMT LWB	FH-FRREP-Z22					
FRR 110-240 XLWB	FH-FRRED-E22					
FRR 110-240 AMT XLWB	FH-FRRED-J22					
FRD 110-240 AMT XLWB	FH-FRDED-J22					

Subject to the conditions outlined in the IAL New Vehicle Warranty, Isuzu F series models carry a standard factory warranty which covers the owner for the first 72 months or 300,000 kilometres, no hours stipulation. All Isuzu warranties are subject to mandatory prescribed terms under Australian Consumer Law including consumer guarantees. Harsh Conditions variations to standard factory warranty may apply. For more details visit the Isuzu website at www.isuzu.com.au which explains Isuzu warranties in more detail, or alternatively contact your local Isuzu Truck dealer. All warranties commence from date of initial delivery.

ISUZU AUSTRALIA LIMITED ABN 97 006 962 572 ("IAL"). The information in this spec sheet was correct at time of printing, but all measurements, specifications and equipment are subject to change without notice. Some equipment may have been changed and/or is available at extra cost. IAL may make changes at any time without notice, in prices, colours, materials, equipment and models. IAL makes all reasonable attempts to ensure the availability of all vehicles and equipment. The information in this spec sheet is general in nature. Your Isuzu dealer can confirm all measurements, specifications and vehicle / equipment availability upon request. To the extent permitted by the law, IAL is not liable to any person as result of reliance on the content of this spec sheet.