## Technical Specifications - Isuzu D-MAX



Engine

Series: Isuzu 4JJ1-TC Hi-Power

Description: 3.0 litre turbo-diesel, in-line 4-cylinder, DOHC, 16-valve

Maximum torque: 360 Nm @ 1800 —> 2800 rpm (manual)

333 Nm @ 1600 —> 3200 rpm (automatic)

Maximum power: 120 kW @ 3600 rpm

Bore x stroke: 95.4 mm x 104.9 mm

Displacement: 2999 cc

Compression ratio: 17.5 : 1

Cylinder head: Isuzu-patent special aluminium alloy with double-walled water jacketing

Valve gear: Chain-driven dual overhead camshafts, roller rockers, 4 valves/cylinder,

VSS (Variable Swirl System)

Induction: Electronic ultra high pressure direct fuel injection via common

rail & intercooled VGS (Variable Geometry System) turbo.

Cylinder block: Cast iron upper w/induction-hardened cylinder bores, cast alloy lower;

special pistons with nickel composite oil rings

Emission level: Euro 4

Alternator: 90 amp

Transmissions

Final drive:

Manual: Isuzu MUX 5-speed manual with high torque capacity & output reduction.

275mm diameter clutch plate.

Automatic: Maximatic III electronically controlled, tri-mode with Adaptive Grade Logic

& fuel-saving lock-up torque converter on gears 2, 3 & 4

Adaptive Grade Logic Control: holds gear 3 in varied-gradient ascents, selects

3 on steep descents to hold speed w/engine braking

Power Mode (changes up at higher revs/power) & '3rd' Mode (starts in

3rd gear to avoid wheelspin on ice/snow/slippery road)

Ratios:1: **Manual Automatic**1st 4.326 2.804

2.557 1.532 2nd 3rd 1.490 1.000 4th 1.000 0.705 5th 0.790 Reverse 3.942 2.394 4.100 4x2 SX 3.416 3.727 4.100 LS

4x4 3.727 4.100
Limited slip rear differential— all models. Snorkelled diff breathers to increase

fording depth & reduce mud blockage

Transfer Gearing: 4x4 low range 2.482 2.482

4x4 high range 1.000 1.000

Limited slip rear differential

4x4 system: Dash-mounted push button mode selection, including 'shift on the fly'

4H selection at up to 100km/h. Ultra low 40:1 manual first gear low range with stall-saver for idle speed crawl & max engine-braking on steep descent

Chassis

Frame: Separate, full-length heavy-duty truck chassis with 7 cross members

including rear rails K-brace

Extra-long wheelbase (3200mm) for cab/chassis

Suspension Front: 4x2 SX manual: Independent, coil springs, double-acting gas shock absorbers,

upper & lower wishbones, stabilizer bar

Other: Independent, hi-rise torsion bars, double-acting gas shock absorbers,

upper & lower wishbones, stabilizer bar

Suspension Rear: Alloy-steel semi-elliptic leaf springs, heavy-duty on all cab/chassis; hi-ride on all

4x4, LS 4x2 & LX crew ute auto; gas shock absorbers

Axles

Rear:

Front: Independent. On 4x4: fully floating with outer constant velocity & inner

double offset joints. Equal-length front drive shafts to counter torque-

steer; free-wheeling front hubs. Capacities: 4x2: 1200kg; 4x4: 1300kg.

Rigid semi-floating banjo with hypoid final drive. Limited slip differential on all

models. Capacity: 1680kg

Steering

Engine-speed-sensitive power-assisted rack & pinion system;

3.2 turns lock-to-lock via (not on EX) tilt-adjustable wheel

Brakes

Power-assisted via tandem 9"+ 8" servo unit; 280mm dia ventilated

front discs with 2-pot calipers, 295mm rear drums

ABS with EBD (Anti-skid Brake System with Electronic Brakeforce Distribution)

& steep slope disabling. NA on EX

Central pull up park brake (under-dash pull out type on EX/bench seat model)

Wheels & Tyres

4x2 LX manual 15"x6.5" drilled silver-finish steel; 215/70 R15 LT 4x2 LS auto 16"x7" drilled silver-finish steel; 245/70 R16 LT

4x4 LS 16"x7" drilled silver-finish steel; 245/70 R16 LT

16"x7" alloy; 245/70 R16

Warranty

3 years or 100,000km, which ever occurs first. Isuzu UTE Extended Warranty available at extra cost.

ual usa @ ADP91/02. (litras/100km)

Fuel u	ıse @ AD	R81/02* (litres/100km)	(litres/100km)					
4x2 4x2	LS LS	Crew Cab Ute manual Crew Cab Ute auto	Combined 8.4 9.0	Urban 10.5 10.9	Extra Urban 7.2 7.9	CO2 (g/km) Combined 222 237		
4x4 4x4	LX LS	Crew Cab Ute manual Crew Cab Ute manual	8.4 8.4	10.5 10.5	7.2 7.2	222 222		
4x4	LS	Crew Cab Ute auto	9.0	10.9	7.9	237		

<sup>\*</sup>ADR 81/02 is the federal government's standard laboratory based test regime. Your fuel figures will depend on driving style, conditions of usage, vehicle condition and load, and other factors.

Isuzu UTE New Zealand Ltd reserves the right to change specifications and features at any time. Printed June 2010

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EL	sx	LS	LX	LS	LS	Features
						Engine
	•	•	•	•	•	Isuzu 4JJ1-Hi-Power 3.0 litre, DOHC,16-valve, in-line 4-cylinder, common-rail, VGS intercooled turbo-diesel
	•	•	•	•	•	Transmissions
		Opt	Opt	Opt	Opt	5-speed manual 4-speed tri-mode automatic with Adaptive Grade Logic, overdrive top gear & lock-up torque converter
						Load Area
	•					Extra-long cab/chassis wheelbase for maximum length tray or other special body
		•	•	•	•	Double-walled ute tub perimeter panels, sides radius-joined to heavy-duty ribbed floor
				•	•	Crossbeam steps in tub rear sidewalls at wheelhouse height for full tub width load 4 cargo tie-down hooks in ute tub
		_		•	Ť	Cab guard frame/ladder rack: unboltable (for canopy, tonneau fit)
						Exterior Style
	•	•	•	•	•	Short front overhang for optimal manoeuvrability & approach angle
	_	•	•	•	•	High-ride suspension *auto only
	•		•			Bonnet air scoop for turbo intercooler, away from low speed crash damage zone Projector lens headlights for extra low beam depth & reduced flare
		•		•		Front fog lights
		•			•	Body colour front bumper & grille surround, chrome upper grille
	•		•	•		Grey front bumper, grilles & grille surrounds
	•					Front under-bumper air dam *manual only
		•	AO*	A0*	A0*	Aluminium side steps (*Accessory Option)  Door & ute tailgate handles in black
	•	•	•	•		Chrome tailgate handle with key lock
		•			•	Chrome door mirror backs with integrated turn indicators
				•		Black door mirror backs with integrated turn indicators
	•		•			Black door mirror backs
		•		•	•	Body colour wheel arch flares with mudspats/flaps Grey wheel arch flares with mudspats/flaps (*automatic only)
	•			•		Bodyside protection mouldings in grey
	•	•	_	•	•	Alloy wheels (including spare)
	•		•			Drilled silver steel wheels with hubcaps
		•			•	Rear step bumper chrome with black ribbed step pads
				•	•	Rear step bumper, black Centre front roof-mounted bee-sting aerial
	•		•	•		Tow hook front
	•		•	-		Tow hook rear
						Cabin Amenities
	•	•	•	•	•	Air-conditioning with integrated heater/demister
	•	•	•	•	•	Power windows with one-touch down/up driver's glass  Power door locks with keypad remote activation
						Power-adjustable & remote fold back door mirrors with turn indicator lights
	•	•	•	•	•	Cruise control via intuitive-action steering column stalk
		•		•	•	Satin black flush fascia CD/MP3/FM/AM audio unit with 6 speakers
				•		Black fascia CD/FM/AM audio unit with 4 speakers (2 in single cab) Tilt-adjustable steering wheel with power steering (*no tilt)
	•			•		Leather steering wheel rim & gear shift knob
	•		•			Soft-feel urethane steering wheel rim
	•	•	•	•	•	Speedometer, tachometer, fuel level & engine coolant temperature gauges
	•	_	•			Digital readouts: odometer, trip odometers A & B
					•	Digital readouts: as above plus instant & average fuel use, outside temperature  Electro-luminescent instrument gauges in metallic gunmetal bezel
	•	•	•	•		Digital clock
			•	•	•	In-dash 2WD/4WD mode select buttons
						Windscreen wipers with intermittent sweep mode
	•	•		•	•	Windscreen wipers with 5-speed intermittent sweep mode Driver's left foot rest
						Day/night interior rear view mirror
		•		•	•	Sun visors with vanity mirror (left) & ticket retaining strap (right)
	•	•	•	•	•	Front ashtray & illuminated lighter (*not illuminated)
		•	•	•	•	Rear ashtrays
	•	•		•	•	12 volt 120W power outlet in dash
						Central pull-up park brake lever Retracting interior roof assist grips for door-side passengers
		•		•	•	Satin black & chrome ring dash elements & door pull trim caps
		•		•	•	Chrome interior door release levers
		•			•	Carpet floor with driver's heel pad
	•		•			Vinyl floor, sweep/wipe clean
	•	•	•	•	•	Seating Front bucket seats with flip forward backrests
						Bench seat for driver & two adjacent occupants
		•	•	•	•	Rear bench seat for three & flip forward backrest
						Rear twin pull-down jump seats w/3-point retractable seat belts
	•	•	•	•	•	Raschel cloth trim over deep bolstering & dual foam padding
		I				Jersey cloth trim over deep bolstering & dual foam padding

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ODEL	sx	LS	LX	LS	LS	Features (cont.) In-Cabin Storage	
	•	•	•	•	•	Glovebox with light & key lock (*no light or lock)	
		•		•	•	Centre floor console w/2 cup holders, bi-level bin w/padded flip-top armrest	
	•		•			Centre floor console w/2 cup holders & deep bin *+2 cup holders in rear	
						Centre front floor console w/2 cup holders	
	•		•			In-dash recess under audio unit Card/small storage drawer in upper central dash	
	•			•	•	Pockets on backs of front seat backrests	
					•	Overhead console with twin map lights & flip-down sunglasses case	
	•	•	•	•	•	Front door map pockets with bottle bulges	
		•	•	•	•	Two coat hooks	
						Flat load platform with tool storage under rear flip up seats	
	•	•	•	•	•	Safety & Security ABS (Anti-skid Brake System) with EBD (Electronic Brakeforce Distribution)	
	•	•	•	•	•	Dual front airbags with internal tethers to optimize bag shape when inflated	
	•	•	•	•	•	Height-adjustable upper mounts for front outer seat belts (& rear outer in crew cabs)	
		•	•	•	•	3-point retractable seat belts for all seating positions including centre rear; all auto ratcheting except driver's and Space Cab rear	
	•				•	3 child seat top tether strap anchorages for rear seat, on rear cabin wall  Height-adjustable head restraints for all outboard full-size seats	
			•		•	Anti-submarining front seat cushion steel pans	
		•	•	•	•	Child-proof rear door locks	
	•	•	•	•	•	Tandem 9" + 8" servo brake master cylinders	
	•	•	•	•	•	Heavy-duty brakes: 280mm ventilated front discs w/twin-pot calipers, 295mm rear drums	
					•	Controlled impact deformation-rate front end protecting rigid cabin cell  Collapsible-section steering column protecting rigid cabin cell	
	•		•	•	•	Front wheel anti-intrusion chassis rail extensions protecting front footwells	
	•	•	•	•	•	Side anti-intrusion bars inside all doors	
	•	•	•	•	•	Engine immobilizer	
	•		•	•	•	Warning alarm: headlights or parking lights on with ignition key removed  Rear window demister	
	•	•				HDPE (High Density Polyethylene) fuel tank	
		•	•	•	•	In-cabin remote fuel filler flap opener	
						Load-sensitive front-to-rear brake proportioning valve	
	•	•	•	•	•	LED high mounted brake light on cab top rear	
		•	•	•	•	Protection Under-front steel splash shield	
			•	•	•	Onder-Holte guards: sump, transfer case, fuel tank leading edge; sheet steel over fuel tank	
	•		•	•		Bodyside protection mouldings	
	3200	3050	3050	3050	3050	Dimensions (mm unless stated otherwise) Wheelbase	
	5025*	5030	4925	5030	5030	Overall length (5310* /5330~/5175^ with endorsed accessory alum. tray body fitted)	
	1720#	1800	1800	1800	1800	Overall width excl.door mirrors (#1842 with endorsed accessory alum.tray body fitted)	
	1635*	1735	1750	1750	1735	Overall height (*excluding tray or other special body fitted) (‡1750 automatic)	
	770	770	770	770	770	Front overhang	
	1460 1460	1520 1525	1520 1525	1520 1525	1520 1525	Front track (*1520 automatic) Rear track (*1525 automatic)	
	195	225	225	225	225	Ground clearance - minimum (*225 automatic)	
	12.4	11.8	12.2	12.2	12.2	Turning circle diameter (between kerbs)(metres)	
	NA	34.6°	34.6°	34.6°	34.6°	Approach angle (‡automatic)	
	NA NA	23.3° 21.0°	25.8° 20.5°	23.3°	23.3° 21.0°	Departure angle (‡automatic) Ramp-over angle	
	NA 76	76	76	21.0° 76	76	Fuel tank capacity (litres)	
						Load area	
	1340	NA	NA	NA	NA	Cab to rear axle	
	1055*	1210	1105	1210	1210	Rear overhang (*without rear body fitted)	
	2550* 1795*	1380 1530	1375 1530	1375 1530	1380 1530	Length (*inside endorsed accessory tray body)  Maximum width (*inside endorsed accessory tray body)	
	NA	1085	1085	1085	1085	Width between wheel houses	
	252#	480	480	480	480	Depth (#endorsed accessory tray body)	
						Interior	
	1085 NA	1085 890	1085	1085	1085 890	Leg room - front	
	1450	1450	890 1450	890 1450	1450	Leg room - rear Shoulder room - front	
	1005	1005	1005	1005	1005	Head room - front	
						Mass (kg)	
	1449~	1763^	1859	1864^	1869^	Tare Mass ('final vehicle tare mass depends on body fitted to chassis) (^+5kg for automatic)	
	2800	1037^ 2800	1041^ 2900	1036^ 2900	1031^ 2900	Load capacity incl occupants, options, accessories, luggage, towball load, fuel, payload; *Depends on body fitted; ^-5kg auto)  Gross Vehicle mass	
	5300	5300	5900	5900 5900	5900	Gross Combination mass	
	2500	2500	3000	3000	3000	Maximum Towing Mass (Braked Trailer)	
	750	750	750	750	750	Maximum Towing Mass (Non-Braked Trailer)	
	300	300	300	300	300	Maximum Tow Ball Mass load	
	000						