

# 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

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:		<b>Manual</b>	<b>Automatic</b>
	1st	4.326	2.804
	2nd	2.557	1.532
	3rd	1.490	1.000
	4th	1.000	0.705
	5th	0.790	–
	Reverse	3.942	2.394
Final drive:	4x2	SX 3.416 LS 3.727	4.100 4.100
	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

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.
Rear:	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.

## Fuel use @ ADR81/02\* (litres/100km)

			<b>Combined</b>	<b>Urban</b>	<b>Extra Urban</b>	<b>CO2 (g/km)</b>	<b>Combined</b>
4x2	LS	Crew Cab Ute manual	<b>8.4</b>	<b>10.5</b>	<b>7.2</b>		<b>222</b>
4x2	LS	Crew Cab Ute auto	<b>9.0</b>	<b>10.9</b>	<b>7.9</b>		<b>237</b>
4x4	LX	Crew Cab Ute manual	<b>8.4</b>	<b>10.5</b>	<b>7.2</b>		<b>222</b>
4x4	LS	Crew Cab Ute manual	<b>8.4</b>	<b>10.5</b>	<b>7.2</b>		<b>222</b>
4x4	LS	Crew Cab Ute auto	<b>9.0</b>	<b>10.9</b>	<b>7.9</b>		<b>237</b>

\*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.

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MODEL	4X2		4X4			Features
	SX	LS	LX	LS	LS	
						<b>Engine</b>
						Isuzu 4JJ1-Hi-Power 3.0 litre, DOHC,16-valve, in-line 4-cylinder, common-rail, VGS intercooled turbo-diesel
						<b>Transmissions</b>
						5-speed manual
		Opt	Opt	Opt	Opt	4-speed tri-mode automatic with Adaptive Grade Logic, overdrive top gear & lock-up torque converter
						<b>Load Area</b>
						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
						Cab guard frame/ladder rack: unboltable (for canopy, tonneau fit)
						<b>Exterior Style</b>
						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*	AO*	AO*	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
						<b>Cabin Amenities</b>
						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
						<b>Seating</b>
						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
						Jersey cloth trim over deep bolstering & dual foam padding

