

For Immediate Release

2023 Nissan Altima 2.0L VC-Turbo Specifications

Specifications are based on latest product information available at the time of release For specifications on Altima 2.5L models, please visit NissanNews.com

Mechanical

Engine	2.0 SR
Name	KR20DDET 2.0L-Turbo
Orientation	Transverse
Cylinders / configuration	4-cylinder, inline
Block / head composition	Aluminum / Aluminum
Displacement	2.0 liters / 1,970 ~ 1,997 cc
Horsepower	248 @ 5,600 rpm (premium 93 fuel)
	236 @ 5,600 rpm (regular fuel)
Torque (lb-ft)	273 @ 4,000 rpm (premium 93 fuel)
	267 @ 4,000 rpm (regular fuel)
Bore x stroke (mm)	84.0 x 90.1 (8.1 CR) ~ 84.0 x 88.9 (14:1 CR)
Compression ratio (:1)	8.0 ~ 14.0 (variable)
Maximum engine speed	6,000 rpm
Induction system	Turbocharged
Valvetrain	4 valves per cylinder
Fuel delivery system	Direct injection + port injection
Recommended fuel	Regular unleaded
Emissions system	LEV3-ULEV70
Exhaust	Cylinder head integrated exhaust manifold,
	variable flow stainless steel muffler (center,
	main), dual outlet

Electrical	2.0 SR
Ignition system	Electronic (direct ignition)
Starter	12V
Alternator	150W
Battery	60Ah
Battery saver timing device	S

Transmission and Drive System		2.0 SR
Drive configuration		Front-engine / front-wheel drive
Transmission type		Xtronic
Gear ratio Reverse (:1)		1.798
Final drive ratio (:1)		5.250
Manual shift mode with p	addle shifters	S

Brakes	2.0 SR
Front Type	Power-assisted vented disc
Rotor size diameter and thickness (in.)	11.65 x 1.02
Rear Type	Power-assisted solid disc
Rotor size diameter and thickness (in.)	11.50 x 0.35
Anti-lock Braking System	S
Number of wheels	4
Number of channels	4
Number of sensors	4
Electronic Brake force Distribution	S
Brake Assist	S
Parking brake	Foot brake / mechanical

Steering		2.0 SR
Туре		Dual Pinion Electric Powered Steering System
Power assisted		Vehicle-speed-sensitive
Overall ratio (:1)		15.3
Turns – lock-to-lock		2.7
Turning diameter – curb-to-curb (ft.)		37.4
Steering wheel	3-spoke leather-	S
	wrapped	
	Bluetooth® Hand-free	S
	Phone switches	
	Heated	S

Suspension	2.0 SR
Front	Independent strut w/ coil springs, aluminum
	links, 25mm stabilizer bar
Rear	Multi-link independent suspension,
	26mm hollow tube stabilizer bar
ZF Sachs monotube rear shock absorbers	S
Active Understeer Control	S
Sport-tuned suspension	S
Active Ride Control	S
Intelligent Trace Control	S

Body / Chassis	2.0 SR
Type	Unibody
Materials (primary)	Corrosion-resistant high-strength steel,
	aluminum-alloy hood

Exterior

Wheels & Tires	2.0 SR
Wheels	
19-inch dark finish aluminum-alloy	S
235/40R19 all-season tires	S
Temporary spare tire – 16 x 4T, steel wheel	S
Tire Pressure Monitoring System, 4-corner pressure readout	S

Lights	2.0 SR
Headlights	
Intelligent Auto Headlights	S
LED	S
Daytime Running Lights	S
High Beam Assist	S
Heated outside mirror-mounted LED turn signals	S
Center High-Mounted Stop Light (LED)	S

Exterior Features	2.0 SR
Active grille shutters	S
Exhaust finisher	S
Rear Sonar System	S
Dark chrome V-Motion grille, unique rear diffuser color, black side mirror caps, body color door handles	S

Interior

Seating		2.0 SR
Capacity		5 passenger
Materials		
Leather-appointed Spo	ort seats	S
Front seats	Туре	Zero gravity bucket
Heated		S
Driver's seat	8-way power	S
2-way power lumbar		S
Passenger's seat	4-way power	S
Rear seats	Туре	3-across bench
60/40 split fold-down		S
Fold-down release		In cabin and in trunk

Audio	2.0 SR
Bose® Premium Sound System with AM/FM/AUX w/9 speakers	S
7.0-inch Advanced Drive-Assist® Display	S
12.3-inch color touch-screen display	S
Two front illuminated USB connection ports (one Type-A, one Type-C)	S
Two rear illuminated USB charge ports (one Type-A, one Type-C)	S

Connectivity and Navigation	2.0 SR
NissanConnect® featuring Apple CarPlay® integration and Android Auto™	S
Wireless Apple Carplay	S
Wireless charging pad	S

NissanConnect with Nissan Door to Door Navigation	S
NissanConnect Services Powered by SiriusXM® (SiriusXM® subscription required, sold separately)	S
Hands-Free Text Messaging Assistant	S
Bluetooth® Hands-free Phone System	S
Streaming audio via Bluetooth®	S
Siri Eyes Free®/Google Assistant™ Voice Recognition	S

Instrumentation	2.0 SR
Meters/gauges - Fine Vision illumination	
Speedometer	
Tachometer	S
Coolant temperature	
Fuel level w/ fuel door location indicator	

Comfort & Convenience Features	2.0 SR
Nissan Intelligent Key® with Push Button	S
Ignition	3
Power windows with auto up/down w/auto	S
reverse – driver side	
Power door locks with selective unlocking	S
Dual power remote-controlled sideview	S
mirrors – manual folding	S
Dual-Zone Automatic Temperature Control	5
Heated sideview mirrors w/integrated LED turn signals	S
Steering wheel mounted control switches	
(cruise control, audio, Bluetooth® Hands-free Phone System)	S
Center console w/armrest, 12V power outlet,	S
and storage	3
Cup holders Front/rear	4 total (2 in center console / 2 in rear armrest)
Bottle holders	4 total (2 in front door pockets / 2 in rear door
	pockets)
Glove compartment	S
w/ lock	
Intelligent Around View Monitor	S
Front HVAC system microfilter	S
Single panel moonroof	S
Flat blade variable intermittent windshield	S
wipers with mist cycle	
Rear window defroster with timer	S
Unique sport interior, including carbon grain door trim	S
Dual overhead front map lights with sunglass holder	S
Rear reading lights	S

Intelligent Cruise control	S
Rear Door Alert system	S

Safety and Security

Passenger Restraint Systems	2.0 SR
Nissan Advanced Air Bag System with dual- stage supplemental front air bags with seat belt sensors and occupant classification sensor	S
Front seat-mounted side impact supplemental air bags	S
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection	S
Driver and front passenger supplemental knee air bags	S
Seat-mounted rear passenger side-impact supplemental air bags	S
Seat belts (all seating positions) Front Rear	, , , , , , , , , , , , , , , , , , , ,
Seatbelt pretensioners and load limiters	Front/Rear

Child Safety	2.0 SR
Child seat upper tether anchors	3 (rear seat)
LATCH System	C
Child safety rear door locks	5
Emergency inside trunk release	

Impact Safety	2.0 SR
Energy-absorbing steering column	
Zone Body construction with front & rear	
crumple zones	c
Hood buckling creases & safety stops	3
Pipe-style steel side door guard beams	
Body side reinforcements	

Active Safety	2.0 SR
Anti-lock Braking System	
Vehicle Dynamic Control	C
Traction Control System	5
Tire Pressure Monitoring System	

Safety, Security and Driving Aids	2.0 SR
Nissan Vehicle Immobilizer System	S
Vehicle Security System	S
ProPILOT Assist Steering Assist Intelligent Cruise Control – with Full Speed Range and Hold	S

Automatic Emergency Braking with Pedestrian Detection	S
Intelligent Forward Collision Warning	S
Rear Cross Traffic Alert	S
Blind Spot Warning	S
Lane Departure Warning	S
Intelligent Lane Intervention	S
Rear Automatic Braking	S
Intelligent Driver Alertness	S
Traffic Sign Recognition	S

Exterior (inches)	2.0 SR
Wheelbase	111.2
Overall length	192.9
Overall width	72.9
Overall height	56.8
Track width From	62.8
Track width Real	62.8

Interior (inches)	Front	Back
Headroom w/moonroof	38.0	36.7
Legroom	43.8	35.2
Shoulder room	58.2	57.1
Hip room	54.7	54.5

Weights		2.0 SR
Curb (pounds)	Front	2,129
	Rear	1,331
	Total	3,460
GVWR (pounds)	FWD	4,440

Capacities	
Fuel tank (gallons)	16.2
Engine oil (quarts)	4.97

Volume (cubic feet)	
Passenger compartment (w/ moonroof)	98.8
Cargo	15.4
Total – w/moonroof	114.3

EPA Fuel Economy (Actual mileage may vary)	2.0 SR
City	25
Highway	34
Combined	29
Classification	Mid-size



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2023 Nissan Altima 2.5L Specifications

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Mechanical

Engine	2.5L
Name	PR25DD
Cam design	DOHC
Orientation	Transverse
Cylinders / configuration	4-cylinder inline
Block / head composition	Aluminum/aluminum
Displacement (liters / cc)	2.5L/ 2,488
Horsepower/PZEV	188 @ 6,000 RPM - FWD
	182 @ 6,000 RPM - AWD
Torque (lb-ft)	180 @ 3,600 RPM - FWD
	178 @ 3,600 RPM - AWD
Bore & stroke (mm)	89 x 100
Compression ratio (:1)	12.0
Maximum engine speed	6,200 RPM
Induction system	Direct Injection Gas (DIG™)
Valvetrain	4 valves per cylinder; CVTCS on intake and
	exhaust valves
Recommended fuel	Regular unleaded
Emission certification level	LEV3-SULEV30
Exhaust	Cylinder head integrated exhaust manifold,
	variable flow (AWD only), stainless steel muffler
	(center, main), dual outlet

Electrical	2.5L
Ignition system	Electronic (direct ignition)
Starter	12V
Alternator	120W
Battery	60Ah
Battery saver timing device	S

Transmission and Drive System		2.5 S	2.5 SV	2.5 SR	2.5 SL
Drive configuration	Front engine / FWD	S	S	S	S
_	Front engine / AWD	-	0	0	0
Transmission type			Xtro	onic	
Gear ratio 2.631 – 0.378					

Reverse (:1)	1.96			
Final drive ratio (:1)		4.8	328	
Manual shift mode with paddle shifters	-	-	S	-
Hill Start Assist			5	

Brakes		2.5 S	2.5 SV	2.5 SR	2.5 SL	
Standard						
Front	Type		Power-assiste	ed vented dis	С	
Rotor size diame	eter and thickness (in.)		11.65	x 1.02		
Rear	Type		Power-assist	ted solid disc		
Rotor size diame	eter and thickness (in.)	11	.50 x 0.35 (F	WD - S, SV, S	SR)	
		11.02 x 0.3	38 (FWD/AW	D SL, AWD -	SV, SR, SL)	
Anti-lock Braking Syste	m		Star	ıdard		
Number of wheels		4				
Number of channels	;		4			
Number of sensors			•	4		
Electronic Brake force [Distribution		;	S		
Brake Assist			;	S		
Parking brake	Foot brake /	S	S (FWD)	S (FWD)	-	
	mechanical					
	Electronic / switch	-	O (FWD)	S (AWD)	S (FWD,	
		S (AWD)		AWD)		

Steering		2.5 S	2.5 SV	2.5 SR	2.5 SL
Type		Dual-Pinion Electric-Powered Steering System			
Power assisted			Vehicle-spe	ed-sensitive	
Overall ratio (:1)			15	5.3	
Turns – lock-to-lock		2.8		2.7	
Turning diameter - o	curb-to-curb (ft.)	t.) 36.1 37.4			
Steering wheel	3-spoke urethane	S	-	-	-
	3-spoke leather-	_	0	S	S
	wrapped				
Bluetooth® Hand-free		S	S	S	S
	Phone switches				
	Heated	-	-	-	S

Suspension	2.5 S	2.5SV	2.5 SR	2.5 SL	
Front	Independ	Independent strut w/ coil springs, aluminum			
			stabilizer bar		
Rear	Mult	i-link indepei	ndent suspen	sion,	
	26mm hollow stabilizer bar FWD/			WD/	
	22mm solid AWD				
ZF Sachs monotube rear shock absorbers	S				
Sport-tuned suspension	-	-	S (FWD)	-	
Active Ride Control	-	0	S	S	
Intelligent Trace Control	-	0	S	S	

Body / Chassis	2.5L
Туре	Unibody
Materials (primary)	Corrosion-resistant high-strength steel,
	aluminum-alloy hood

Exterior

Wheels & Tires	2.5 S	2.5 SV	2.5 SR	2.5 SL
Wheels				
16-inch steel with full wheel cover	S	-	-	-
17-inch machined aluminum-alloy with	-	S	-	-
painted inserts				
19-inch machined aluminum-alloy with	-	-	S	S
painted inserts				
215/60R16 all-season tires	S	-	-	-
215/55R17 all-season tires	-	S	-	-
235/40R19 all-season tires	-	-	S	S
Temporary spare tire – 16 x 4T, steel wheel	S			
Tire Pressure Monitoring System, 4-corner	S			
pressure readout				
Easy Fill Tire Alert			S	

Lights	2.5 S	2.5 SV	2.5 SR	2.5 SL
Headlights				
Intelligent Auto Headlights		!	S	
LED	S			
Daytime Running Lights	S			
High Beam Assist	S			
Outside mirror-mounted LED turn signal	-	0	0	S
indicators				
Center High-Mounted Stop Light (LED)	S			•

Exterior Features	2.5 S	2.5 SV	2.5 SR	2.5 SL
Active grille shutters		S		
Rear decklid spoiler	-	0	0	0
Exhaust finisher	-	0	S	S
Dark chrome V-Motion grille, unique rear diffuser color, exhaust finisher, black side mirror caps, body color door handles	-	-	S	-
Rear Sonar System			S	

Interior

Seating		2.5 S	2.5 SV	2.5 SR	2.5 SL
Capacity			5 pass	senger	
Materials					
Woven fabric		S	S	-	-
Sport combo		-	-	S	-
Leather-appointed		-	-	0	S
Front seats	Туре		Zero grav	ity bucket	
Heated		-	0	0	S
Driver's seat	6-way manual	S	-	-	-
	8-way power	-	S	S	S
	2-way power lumbar	-	0	0	S
Passenger's seat	4-way manual	S	S	S	-

	4-way power	-	-	0	S
Rear seats	Туре		3-acros	s bench	
60/40 split fold-down			Ç	5	
Fold-down release			In cabin a	nd in trunk	

Audio	2.5 S	2.5 SV	2.5 SR	2.5 SL
AM/FM w/RDS and Aux-in, 6 speakers	S	S	S	-
Bose® Premium Sound System with	-	-	-	S
AM/FM/AUX w/9 speakers				
5.0-inch meter display	S	-	-	-
7.0-inch Advanced Drive-Assist® Display	-	S	S	S
8.0-inch color display with multi-touch	-	S	S	-
control				
12.3-inch color display with multi-touch	-	0	0	S
control				
SiriusXM® Radio with advanced audio	-	S	S	S
features (SiriusXM® subscription required,				
sold separately)				
Single front illuminated USB connection ports	S	-	-	-
(one Type-A)				
Two front illuminated USB connection ports	-	S	S	S
(one Type-A, one Type-C)				
Two rear illuminated USB charge ports (one	-	S	S	S
Type-A, one Type-C)				

Connectivity and Navigation	2.5 S	2.5 SV	2.5 SR	2.5 SL
NissanConnect® featuring Apple CarPlay®	-	S	S	S
integration and Android Auto™				
Wireless Apple Carplay	-	0	0	S
Wireless charging pad	-	0	0	S
NissanConnect with Nissan Door to Door	-	0	0	S
Navigation				
NissanConnect Services Powered by	-	0	0	S
SiriusXM [®] (SiriusXM [®] subscription required,				
sold separately)				
Hands-Free Text Messaging Assistant	S			
Bluetooth® Hands-free Phone System	S			
Streaming audio via Bluetooth®	S			
Siri Eyes Free®/Google Assistant™ Voice	S			
Recognition				

Instrumentation	2.5 S	2.5 SV	2.5 SR	2.5 SL
Meters/gauges - Fine Vision illumination		S	5	
Speedometer				
Tachometer				
Coolant temperature				
Fuel level w/ fuel door location indicator				

Comfort & Convenience Features	2.5 S	2.5 SV	2.5 SR	2.5 SL
Nissan Intelligent Key® with Push Button	-	S	S	S
Ignition				
Power windows with auto up/down w/auto	S			
reverse – driver side				
Power window with auto up/down w/auto	-	-	-	S
reverse – front passenger side				
Power door locks with selective unlocking		9	<u>S</u> S	
Dual power remote-controlled sideview		9	5	
mirrors – manual folding		T	T	
Heated sideview mirrors with integrated LED	-	0	0	S
turn signal indicators				
Steering wheel mounted control switches		S	S	
(cruise control, audio, Bluetooth® Hands-free				
Phone System)				
Center console w/armrest, 12V power outlet,		Ş	5	
and storage	4			
Cup holders Front/rear	r 4 total (2 in center console / 2 in rear armres 4 total (2 in front door pockets / 2 in rear door			
Bottle holders	4 total (2		•	n rear door
	pockets)			
Glove compartment w/ and lock	C		S	1
RearView Monitor	S	S	S	-
Intelligent Around View® Monitor	-	-	<u> </u>	S
Front HVAC system microfilter		l	S 1	
Rear heating/cooling vents	-	-	-	S
Dual-Zone Automatic Temperature Control	-	-	-	S S
Single panel moonroof	-	0	0	5
Flat blade variable intermittent windshield		,	5	
wipers with mist cycle				
Rear window defroster with timer			5	1
Unique sport interior, including carbon grain	-	-	S	-
door trim				
Dual overhead front map lights with sunglass		Š	5	
holder				
Rear reading lights	S			
Cruise control	S			
Remote engine start	S	S	S	-
Remote engine starter with Intelligent	-	-	-	S
Climate Control				
Intelligent Cruise Control	-	0	-	S
Rear Door Alert system		Ç	S	

Safety and Security

Passenger Restraint Systems	2.5L
Nissan Advanced Air Bag System with dual-	S
stage supplemental front air bags with seat belt sensors and occupant classification	
sensor	

Front seat-mounted side impact supplemental air bags	S
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection	S
Driver and front passenger supplemental knee air bags	S
Seat-mounted rear passenger side-impact supplemental air bags	S
Seat belts (all seating positions) Front Rear	3-point (ALR/ELR for passenger, ELR for driver) 3-point ALR/ELR
Seatbelt pretensioners and load limiters	Front/Rear

Child Safety	2.5L
Child seat upper tether anchors	3 (rear seat)
	S
LATCH System	
Child safety rear door locks	
Emergency inside trunk release	

Impact Safety	2.5L
Energy-absorbing steering column	S
Zone Body construction with front & rear	
crumple zones	
Hood buckling creases & safety stops	
Pipe-style steel side door guard beams	
Body side reinforcements	

Active Safety	2.5L
Anti-lock Braking System	S
Vehicle Dynamic Control	
Traction Control System	
Tire Pressure Monitoring System	

Safety, Security and Driving Aids	2.5 S	2.5 SV	2.5 SR	2.5 SL
Nissan Vehicle Immobilizer System			5	
Vehicle Security System		Ç	5	
Automatic Emergency Braking with Pedestrian Detection	S			
Intelligent Forward Collision Warning	S			
Rear Cross Traffic Alert	S			
Blind Spot Warning		Ç	5	
ProPILOT Assist Steering Assist Intelligent Cruise Control – with Full Speed Range and Hold	-	0	-	S
Lane Departure Warning		Ç	5	
Intelligent Lane Intervention	-	0	-	S
Rear Automatic Braking	S			•

Traffic Sign Recognition	-	0	0	S
Intelligent Driver Alertness			5	

Exterior (inches)	2.5 S	2.5 SV	2.5 SR	2.5 SL	
Wheelbase		111.2			
Overall length		192.9			
Overall width		72.9 in. (w/o mirrors)			
Overall height	FWD	56.7 56.8 56.9 56.8			
	AWD	- 57.3 57.4 57.3			
Track width	Front	63.6	63.2	62.8	63.2
Track width	Rear	63.6 63.2 62.8 63.2			

Interior (inches)	Front	Back
Headroom (w/o moonroof)	39.1	36.9
Headroom w/moonroof	38.0	36.7
Legroom	43.8	35.2
Shoulder room	58.2	57.1
Hip room	54.7	54.5

Weights			2.5 S	2.5 SV	2.5 SR	2.5 SL
Curb (pounds)	Front	FWD	1,960	1,983	2,003	2,000
	Rear	FWD	1,284	1,302	1,326	1,325
	Total	FWD	3,244	3,285	3,329	3,325
Curb (pounds)	Front	AWD	-	2,040	2,060	2,058
	Rear	AWD	-	1,372	1,396	1,394
	Total	AWD	-	3,412	3,456	3,452
GVWR (pounds)		FWD		4,3	328	
		AWD		4,4	482	

Capacities	
Fuel tank (gallons)	16.2 - FWD / 16.0 - AWD
Engine oil (quarts)	5.6

Volume (cubic feet)	
Passenger compartment (w/o moonroof)	100.6
Passenger compartment (w/ moonroof)	98.8
Cargo	15.4
Total – w/o moonroof, w/moonroof	116.0 /114.3

EPA Fuel Economy (Actual mileage may vary)		2.5 S	2.5 SV	2.5 SR	2.5 SL
City	FWD	28	27	27	27
	AWD	-	26	25	26
Highway	FWD	39	37	37	37
	AWD	-	36	35	36
Combined	FWD	32	31	31	31
	AWD	-	30	29	30
Classification		Mid-size			

Options

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	2.5 S	2.5 SV	2.5 SR	2.5 SL
SV Premium Package: Single panel moonroof, heated outside mirrors with LED turn signal indicators, heated front seats, 2-way driver power lumbar, leather steering wheel, leather shift knob, Active Ride Control, Intelligent Trace Control, electronic parking brake with auto-hold, ProPILOT Assist with steering assist and Intelligent Cruise Control with Full Speed Range and Hold, Intelligent Lane Intervention, Traffic Sign Intervention, exhaust finishers, NissanConnect® with 12.3-inch HD color display with multi-touch control, Nissan do to door navigation, wireless Apple CarPlay®, premium traffic and MapCare with complimentary trial, SiriusXM® Traffic, SiriusXM® Travel Link (SiriusXM® subscription required, sold separately), wireless charging pad, NissanConnect® Services powered by SiriusXM®, Wi-Fi hotspot	-	0	-	
SR Premium Package: Leatherappointed sport seats, single panel moonroof, premium sport interior finishers, heated front seats, 2-way driver power lumbar, 4-way power passenger seat, heated outside mirrors with LED turn signal indicators, NissanConnect® with 12.3-inch HD color display with multi-touch control, Nissan do to door navigation, wireless Apple CarPlay®, premium traffic and MapCare with complimentary trial, SiriusXM® Traffic, SiriusXM® Travel Link (SiriusXM® subscription required, sold separately), wireless charging pad, NissanConnect® Services powered by SiriusXM®, Wi-Fi hotspot			0	