


2022 Elantra Specifications


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MECHANICAL				
Engine Lineup	SE / SEL / LIMITED	BLUE HEV / LIMITED HEV	N LINE	
2.0L MPI Atkinson DOHC 16-valve Inline 4-cylinder Displacement: 1,999 cc, D-CVVT, Aluminum block and head Horsepower (HP): 147 @ 6200 (ULEV&SULEV) Torque (lb.-ft.): 132 @ 4500 (ULEV&SULEV) Bore & Stroke (mm): 81 x 97	S	-	-	
1.6L GDI Atkinson Cycle DOH 16-valve Inline 4-cylinder Displacement: 1,580 cc Aluminum block and head Horsepower (HP): 104 @ 5,700 Torque (lb.-ft.): 109 @ 4,000 Bore & Stroke (mm): 72 x 97 Total Output (HP): 139 Total Torque (lb.-ft.): 195	-	S	-	
1.6 Turbo GDI DOHC 16-valve CVVD Inline 4-cylinder Displacement: 1,598cc Aluminum block and head Horsepower (HP): 201 @ 6000 Torque (lb.-ft.): 195@ 1500~4500 Bore & Stroke (mm): 75.6 x 89.0	-	-	S	
2.0L turbocharged direct injected "Flat Power" 4-cylinder Displacement: 1,998 cc Horsepower (HP): 276 (286 w/ NGS) @ 5500 ~ 6000 Torque (lb.-ft.): 289 @ 2100~4700 Bore & Stroke (mm): 86 x 86	-	-	-	S

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MECHANICAL (cont'd)				
Engine Features	SE / SEL / LIMITED	BLUE HEV / LIMITED HEV	N LINE	
Compression Ratio	12.5:1	13.0:1	10.0:1	9.5
Motor Mounts	TBD	TBD	TBD	Full Solid
Valve System	Intake & Exhaust CVVT, 16-Valve Swing Arms w/ Hydraulic Lash Adjuster	D-CVVT	Intake & Exhaust CVVD, 16-Valve Swing Arms w/ Hydraulic Lash Adjuster	16-Valve Swing Arms MLA
Intake System	2-step Variable Induction System + Variable Charge Motion (VCM)	TIS	TIS	TIS + VIA
Idle, Stop & Go	SE ONLY	-	-	-
Recommended Fuel	Unleaded	←	←	Premium
Emissions System	WCC+UCC LEV3 ULEV70 LEV3 SULEV30	WCC + UCC	WCC + UCC (LEV3-ULEV70)	WCC
Exhaust	Single, unexposed	Single, unexposed	Turbo Charger, Twin Chrome exposed exhaust outlet	Large bore exhaust outlets

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MECHANICAL (cont'd)							
Electrical		SE	SEL	LIMITED	BLUE HEV / LIMITED HEV	N LINE	
Ignition System	Type	Distributorless (Plug Top Coil)			DLI (Plug on top)	TBD	Distributorless (Plug Top Coil)
Starter	Rating	12V 1.2kW			HSG	TBD	13.5V 150A
Alternator	Rating	13.5V 150A or 120A			HSG	TBD	12V 1.24kw
Battery	Rating Battery Saver/ Battery Cover	-			Next pg for Hybrid battery	-	-
Interior-permanent magnet synchronous motor		-			S	-	-
Power Output		-			32 kW (43 HP)	-	-
Torque		-			125 lb-ft	-	-
Battery Type		-			Lithium-ion Polymer	-	-
Voltage		-			240V	-	-
Battery System Capacity		-			1.32 kWh	-	-
Total System Combined Power							
Gasoline Engine + Electric Motor Output		-			139 HP	-	-

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MECHANICAL (cont'd)

Transmission and Drive System		SE	SEL	LIMITED	BLUE HEV / LIMITED HEV	N LINE			
Drive Configuration		FWD							
Transmission Type	Smartstream Intelligent Variable Transmission (IVT)	S	S	S	-	-	-	-	-
	6-speed EcoShift Dual Clutch Transmission	-	-	-	S	-	-	-	-
	6-speed manual transmission	-	-	-	-	S*	-	S	-
	7-speed DCT (code D7UF1) Dry Double Plate with Diaphragm Spring	-	-	-	-	-	O	-	-
	N 8-speed Wet Dual-Clutch Transmission	-	-	-	-	-	-	-	O
	SHIFTRONIC™ manual shift mode	-	-	-	-	-	w/ Paddle Shifters	-	w/ Paddle Shifters
Drive Mode Select	AT / DCT Only	Normal → Sport → Smart	Normal → Sport → Smart	Normal → Sport → Smart	Normal → Sport → Smart	Normal → Sport → Smart		Eco → Normal → Sport → N Custom (1 & 2)	


* N Line 6-speed M/T to end production end of CY21

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MECHANICAL (cont'd)

Transmission and Drive System		SE	SEL	LIMITED	BLUE HEV / LIMITED HEV	N LINE			
Drive Configuration		FWD				FWD (M/T)	FWD (DCT)	MT	DCT
Gear Ratios (:1)	1 st	2.680 ~ 0.385			3.867	3.308	3.643	3.083	3.714
	2 nd				2.217	1.962	2.174	1.931	2.261
	3 rd				1.371	1.294	1.826	1.696	2.174
	4 th				0.930	0.976	1.024	1.276	1.621
	5 th				0.956	0.778	0.809	1.027	0.927
	6 th				0.767	0.633	0.854	0.854	0.767
	7 th						0.717		0.878
	8 th								0.698
		Reverse	2.822~1.822			5.351	3.583	4.696	3.588
Final Gear Ratio		4.892			4.438 (1 st – 4 th)/ 3.227 (5 th – Reverse)	4.467	4.643 / 3.611	4.154 (1/2/Reverse) 3.176 (3/4/5/6)	3.800 (1/2/5/6/Reverse) 2.714 (3/4/7/8)

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MECHANICAL (cont'd)					
Brakes		SE /SEL/ / LIMITED	BLUE HEV / LIMITED HEV	N LINE	
Front	Type Size (diameter)	Ventilated Disc 11.0"	Ventilated Disc Type 11.0"	Ventilated Disc Type 12.0"	Ventilated 14.2" x 1.2"
Rear	Type Diameter	Solid Disc Type 10.3"	Solid Disc Type 10.3"	Solid Disc Type 10.3.0"	Ventilated 12.4" x 0.8"
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels	4	4	4	4
	Number of Channels	4	4	4	4
	Number of Sensors	4	4	4	4
Front Rotor		-	-	12" front brake rotors – 1 inch larger than 2.0L and HEV	13.6" front rotors and 12.4" rear rotors
Brake-Booster	Diameter	LHD : 10" single, RHD : 8+8" Tandem	Electric booster (REGENERATIVE BRAKE)	TBD	LHD : 11" single, RHD : 8+8" Tandem
	Boosting Ratio	8:1	-	TBD	8:1
Brake Assist		S	S	S	S
Master Cylinder	Type: Tandem (fixed seal type)	LHD : 0.9", RHD : 0.9"	-	TBD	LHD / RHD : Φ 23.81(mm)
Parking Brake	Type: Hand lever	Mechanical Cable (SE, SEL)	-	Mechanical Cable	Mechanical Cable
	Type: Electric Parking Brake	S (from SEL Conv.Pack and above)	S (SEL & Limited HEV)	-	-





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MECHANICAL (cont'd)				
Steering	SE /SEL/ / LIMITED	BLUE HEV / LIMITED HEV	N LINE	
Rack and pinion type steering gear	S	S	S	S
Column-mounted Motor Driven Power Steering (C-MDPS)	S	S	S	-
Rack-mounted motor driven power steering (R-MDPS)	-	-	-	S
Overall Steering Gear Ratio	12.9:1	12.9:1	TBD	12.2:1
Turns (lock to lock)	2.5	2.5	TBD	2.2
Diameter of steering wheel (inch)	14.6	14.6	TBD	14.6
Minimum turning radius (feet)	17.7	17.7	TBD	19.2

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Suspension		SE / SEL / LIMITED	BLUE HEV / LIMITED HEV	N LINE	
Front	Type	MacPherson Strut	MacPherson Strut	MacPherson Strut	MacPherson Strut
	Stabilizer Bar (hollow)	22 mm	23 mm	23mm	23mm
	Shock Absorbers	Hydraulic twin tube	Hydraulic twin tube	Hydraulic twin tube	ECS (Electronic Controlled Suspension)
	Coil Spring	2.3 mm	2.4 mm	TBD	TBD
Rear	Type	Coupled Torsion Beam Axle	Multi-link Independent	Multi-link Independent	Multi-link Independent
	Stabilizer Bar (hollow)	-	18mm (18x3.0t)	17mm	24mm
	Shock Absorbers (gas-filled, hydraulic monotube)	S	S	S	ECS (Electronic Controlled Suspension)
	Coil springs	2.1 mm	2.7 mm	TBD	TBD
Rear Chassis Brace		-	-	-	S
Limited Slip Differential w/ electronic control (N Corner Carving Differential)		-	-	-	S
Body/Chassis		All			
Type		Unibody			
Materials	Primary	High Tensile Steel			

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DIMENSIONS/WEIGHTS/CAPACITIES								
Exterior (inches)		SE	SEL	BLUE HEV	LIMITED	LIMITED HEV	N LINE	
Wheelbase		107.1	←	←	←	←	←	←
Overall Length		184.1	←	←	←	←	←	←
Overall Width		71.9	←	←	←	←	←	←
Overall Height		55.7	←	←	←	←	55.9	55.7
Track Width (front/rear) – 15"		62.7/63.1	-	-	-	-	-	-
Track Width (front/rear) – 16"		-	62.4/62.8	62.4/63.0	-	-	-	-
Track Width (front/rear) – 17"		-	62.2/62.6	-	62.2/62.7	62.2/62.6	-	-
Track Width (front/rear) – 18"		-	-	-	-	-	61.7/62.2	-
Track Width (front/rear) – 19"		-	-	-	-	-	-	62.4/62.2
Overhang (front/rear)		35.2/41.7	←	←	←	←	←	←
Minimum Ground Clearance		5.3	←	5.5	←	5.5	5.5	5.5
Coefficient of Drag (Cd)		0.28	←	←	←	←	0.31	TBD
Interior (inches)		SE	SEL	BLUE HEV	LIMITED	LIMITED HEV	N LINE	
Head Room (front/rear)		40.6 (38.7 w/ sunroof) / 37.3	←	←	←	←	←	39.9/37.3
Leg Room (front/rear)		42.3/38.0	←	←	←	←	←	←
Shoulder Room (front/rear)		56.5/55.6	←	←	←	←	←	←
Hip Room (front/rear)		53.4/50.5	←	←	←	←	←	
Weights		SE	SEL	BLUE HEV	LIMITED	LIMITED HEV	N LINE	
Curb (lbs.)	IVT	2,725 – 2,868	2,725 – 2,868	-	2,725 – 2,868	-	-	-
	MT	-	-	-	-	-	2,954	3,186
	DCT			2,965		3,069	3,020	3,296
GVWR (lbs.)		3,858	3,858	4,079	3,858	4,079	MT: 3,924 DCT: 3,990	MT: 4,101 N DCT: 4,178

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DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)								
Capacities			SE	SEL	LIMITED	BLUE/ LIMITED HEV	N LINE	
Fuel Tank (gallons)			12.4	←	←	11.0	12.4	12.4
Lubricant Capacity includes oil filter (liters)			4.3	←	←	4.1	4.8	TBD
Cooling capacity (liters)			TBD	←	←	2.65	3.1	TBD
Volume (cubic feet)			SE	SEL	LIMITED	BLUE/ LIMITED HEV	N LINE	
Passenger Compartment			99.4	←	←	←	←	←
Cargo (Trunk)			14.2	←	←	←	←	←
Total			113.6	←	←	←	←	←

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DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)							
Fuel Economy/EPA/Performance		SE	SEL	LIMITED	BLUE /LIMITED HEV	N LINE	
City/Highway/Combined	IVT	33/43/37	-	-	-	-	-
City/Highway/Combined	IVT	-	31/41/35	31/41/35	-	-	-
City/Highway/Combined	6-DCT	-	-	-	BLUE: 53/56/54 LIMITED: 49/52/50	-	-
City/Highway/Combined	6-MT	-	-	-	-	25/34/28	22/31/25
City/Highway/Combined	7-DCT	-	-	-	-	28/36/31	-
City/Highway/Combined	8-DCT	-	-	-	-	-	20/30/23
Smog index (ULEV)		5(Bin70)	5(Bin70)	5(Bin70)	-	5	3
Smog index (SULEV)		7(Bin30)	7(Bin30)	7(Bin30)	-	-	-
Smog index (HEV)		-	-	-	7	-	-
Greenhouse Gas Rating		8	7	7	9	6 (MT) 5 (DCT)	5