

2021 Elantra Specifications

Hyundai Motor America
10550 Talbert Avenue, Fountain Valley, CA 92708

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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 (Dual Continuously Variable Valve Timing (D-CVVT), Aluminum block and head 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

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MECHANICAL (cont'd)			
Engine Features	SE / SEL / LIMITED	BLUE HEV / LIMITED HEV	N LINE
Compression Ratio	12.5:1	10.0:1	10.0:1
Motor Mounts	TBD	TBD	TBD
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
Intake System	2-step Variable Induction System + Variable Charge Motion (VCM)	TIS	TIS
Idle, Stop & Go	SE ONLY	-	-
Recommended Fuel	Unleaded Gasoline	←	←
Emissions System	WCC+UCC LEV3 ULEV70 LEV3 SULEV30	WCC + UCC	WCC + UCC (LEV3-ULEV70)
Exhaust	Single, unexposed	Single, unexposed	Turbo Charger, Twin Chrome exposed exhaust outlet

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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
Starter	Rating	12V 1.2kW			HSG	TBD
Alternator	Rating	13.5V 150A or 120A			HSG	TBD
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				FWD (M/T)	FWD (DCT)	
Transmission Type	Smartstream Intelligent Variable Transmission (IVT)	S	S	S	-	-	-	
	6-speed EcoShift Dual Clutch Transmission	-	-	-	S	-	-	
	6-speed manual transmission - Single Plate with Diaphragm Spring	-	-	-	-	S	-	
	7-speed DCT (code D7UF1) Dry Double Plate with Diaphragm Spring	-	-	-	-	-	O	
	SHIFTRONIC™ manual shift mode	-	-	-	-	-	S + Paddle Shifters	
Drive Mode Select	AT / DCT Only	Normal → Sport → Smart	Normal → Sport → Smart	Normal → Sport → Smart	Normal → Sport → Smart	Normal → Sport → Smart		
Gear Ratios (:1)	1 st 2 nd 3 rd 4 th 5 th 6 th 7 th	2.680 ~ 0.385			3.867 2.217 1.371 0.930 0.956 0.767	3.308 1.962 1.294 0.976 0.778 0.633	3.643 2.174 1.826 1.024 0.809 0.854 0.717	
	Reverse	2.822~1.822			5.351	3.583	4.696	
Final Gear Ratio		4.892			4.438 (1 st – 4 th) / 3.227 (5 th – Reverse)	4.467	4.643 / 3.611	

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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"	Disc Type 15.0"	TBD
Rear	Type Diameter	Solid Disc Type 10.0"	Disc Type 14.0"	TBD
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels	4	4	4
	Number of Channels	4	4	4
	Number of Sensors	4	4	4
Brake-Booster	Diameter	LHD : 10" single, RHD : 8+8" Tandem	Electric booster (REGENERATIVE BRAKE)	TBD
	Boosting Ratio	8:1	-	TBD
Brake Assist		S	S	S
Master Cylinder	Type: Tandem (fixed seal type)	LHD : 0.9", RHD : 0.9"	-	TBD
Parking Brake	Type: Hand lever	Mechanical Cable (SE, SEL)	-	Mechanical Cable
	Type: Electric Parking Brake	S (from SEL Conv.Pack and above)	S (SEL & Limited HEV)	-
Steering		SE /SEL/ / LIMITED	BLUE HEV / LIMITED HEV	N LINE
Rack and pinion type steering gear		S	S	S
Motor Driven Power Steering (MDPS) - Power assisted		S	S	S
Overall Ratio	(360 degrees)	12.9:1	12.9:1	TBD
Turns (lock to lock)		2.48	2.48	TBD
Diameter of wheel (inch)		14.57	-	TBD
Minimum turning radius (feet)		17.72	17.72	TBD

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MECHANICAL (cont'd)				
Suspension		SE / SEL / LIMITED	BLUE HEV / LIMITED HEV	N LINE
Front	Type	MacPherson Strut	MacPherson Strut	MacPherson Strut
	Stabilizer Bar (hollow)	22 mm (22.2x3.6t)	23 mm (23.2x4.0t)	23mm
	Shock Absorbers	Hydraulic twin tube	Hydraulic twin tube	Hydraulic twin tube
	Coil Spring	2.3 mm	2.4 mm	TBD
Rear	Type	Coupled Torsion Beam Axle	Multi-link Independent	Multi-link Independent
	Stabilizer Bar (hollow)	-	18mm (18x3.0t)	17mm
	Shock Absorbers (gas-filled, hydraulic monotube)	S	S	S
	Coil springs	2.1 mm	2.7 mm	TBD
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
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
Overhang (front/rear)		35.2/41.7	←	←	←	←	←
Minimum Ground Clearance		5.3	←	5.5	←	5.5	5.5
Coefficient of Drag (Cd)		0.28	←	←	←	←	0.31
Interior (inches)		SE	SEL	BLUE HEV	LIMITED	LIMITED HEV	N LINE
Head Room (front/rear)		40.6 (38.7 w/ sunroof) / 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
	DCT	-	-	2,965	-	3,069	3,020
GVWR (lbs.) IVT		3,858	3,858	-	3,858	-	-
GDI				4,079		4,079	3,924(MT) & 3,990 (7DCT)

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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	
Lubricant Capacity includes oil filter (liters)			4.3	←	←	4.1	4.8	
Cooling capacity (liters)			TBD	←	←	2.65	3.1	
Volume (cubic feet)			SE	SEL	LIMITED	BLUE/ LIMITED HEV	N LINE	
Passenger Compartment			99.4	←	←	←	←	
Cargo (Trunk)			14.2	←	←	←	←	
Total			113.6	←	←	←	←	
EPA Classification			Midsize					

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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
City/Highway/Combined	7-DCT	-	-	-	-	28/36/31
Smog index (ULEV)		5(Bin70)	5(Bin70)	5(Bin70)	-	5
Smog index (SULEV)		7(Bin30)	7(Bin30)	7(Bin30)	-	
Smog index (HEV)		-	-	-	7	
Greenhouse Gas Rating		8	7	7	10	5 (MT) 6 (DCT)