

2021 Veloster Specifications

Hyundai Motor America
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MECHANICAL		
Engine Lineup	2.0	Turbo / R-Spec
Nu 2.0 MPI Atkinson cycle 4-cylinder, 1,999cc DOHC, Dual Continuously Variable Valve Timing (D-CVVT) Aluminum Block and Head Bore & Stroke (mm): 81.0X 97.0 Horsepower (HP): 147 @ 6200 rpm Torque (lb.-ft.): 132 @ 4,500 rpm	S	-
Gamma 1.6 Turbo GDI 4-cylinder , 1,591cc (single-scroll turbocharger) DOHC, Aluminum Block and Head Bore & Stroke (mm): 77.0X85.4 Horsepower (HP): 201 @ 6000 rpm Torque (lb.-ft.): 195 @ 1,500 rpm ~ 4,500 rpm	-	S
Theta 2.0 Turbo GDI 4-cylinder 1,998cc (twin-scroll turbocharger) DOHC, Electronic Continuously Variable Valve Timing (E-CVVT) Aluminum Block and Head Bore & Stroke (mm): 86.0X86.0 Horsepower (HP): 275 @ 6000 rpm; Premium Unleaded Torque (lb.-ft.): 260 @ 1,450 rpm ~ 4,700 rpm; Premium Unleaded	-	-
Engine Features	2.0	Turbo / R-Spec
Compression Ratio	12.5	10.0
Valve System	Intake and Exhaust CVVT, 16 Valve Swing Arms with HLA (Hydraulic Lash Adjuster)	16-VALVE with MLA (Mechanical Lash Adjuster)
Recommended Fuel	Unleaded	
Catalytic Converter	WCC+UCC	
Emission Level	ULEV70	
Intake System	VIS (2 Step Variable Induction System)	TIS
Exhaust System	4-1 Press Type	Turbo Charging

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MECHANICAL (cont'd)			
Electrical		2.0	Turbo / R-Spec
Ignition System	Type	Distributor less Ignition Type (Stick Coil)	
Starter	Rating	12V 1.2kW	12V 0.9Kw
Alternator	Rating	13.5V 120A	13.5V 130A
Lubrication System	Type	Duocentric IC type, Crank Direct Driven Oil Pump	Oil Pump
Engine Lubricant Oil Capacity	Liter	4.0	4.5 (With Oil filter)
Cooling Capacity	Liter	2.1 (ENG)	2.2 (Engine Only)
Battery	Rating	CMF60Ah	
Transmission and Drive System		2.0	Turbo / R-Spec
Drive Configuration		FWD	
Transmission Type	6-speed manual with Hillstart Assist Control Clutch type: Dry Single Plate Diaphragm Spring Type	S (M6CF3-1)	S (R Spec) (M6CF3-1)
	6-speed Automatic Transmission with Shiftronic and paddle shifters (2.0 Premium only) with Drive Mode Select : Normal → Sport → Smart and Hillstart Assist Control	O (A6GF1-2)	-
	7-speed EcoShift Dual Clutch Transmission with Shiftronic and paddle shifters, (DCT) Clutch type: Conventional (Dry Double Plate with Diaphragm Spring)D7UF1 and Hillstart Assist Control	-	(S on Turbo and Ultimate) S (D7UF1)
	N 8-speed Wet Dual Clutch Transmission with paddle shifters, (N DCT)	-	-

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MECHANICAL (cont'd)		
	2.0	Turbo / R-Spec
Gear Ratios (:1)	MT/AT 3.308/4.400 1.962/2.726 1.294/1.834 0.976/1.392 0.778/1.000 0.633/0.774 3.583/3.440	MT/DCT 3.308/3.643 1.962/2.174 1.294/1.826 0.976/1.024 0.778/0.809 0.633/0.854 - /0.717 3.583/4.696
Final Drive Axle Ratio	4.467/3.437	MT : 4.467 DCT : 4.643 (1/2/4/5) 3.611 (3/6/7/R)
Brakes		
	2.0	Turbo / R-Spec
Front	Type Ventilated disc 11'' x 0.9''	Type Ventilated disc 12'' x 1.0''
Rear	Type Solid disc 10.3'' x 0.4''	Type Solid disc 10.3'' x 0.4''
ABS with Electronic Brake Force Distribution	Number of wheels / Number of channels	4 / 4
Vacuum Booster	Diameter	10''
Boosting Ratio		8:1
Master Cylinder		Fixed Seal
Diameter		Φ 22.2
Number of pistons	Front/rear	1EA / 1EA
Parking Brake	Type	Hand-type

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MECHANICAL (cont'd)			
Steering		2.0	Turbo / R-Spec
Rack & Pinion Steering Gear			
Motor Driven Power Steering (MDPS), column mounted		Column Mounted	
Unique sport-tuned steering		-	S
Overall Ratio	Steering wheel full turn	13.4	
Turns (lock to lock)		2.57	
Turning Diameter (curb to curb, in feet)		34.77	
Suspension		2.0	Turbo / R-Spec
Front	Type		
	Stabilizer Bar	23 mm	24mm
	Gas filled hydraulic twin-tube shock absorber	S	
Rear	Type		
	Stabilizer Bar	15 mm	19 mm
	Hydraulic twin-tube shock absorber	S	
Body/Chassis		2.0	Turbo / R-Spec
Type			
Materials	Primary		
Differentials		2.0	Turbo / R-Spec
Torque Vectoring Control (TVC)		S	

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DIMENSIONS/WEIGHTS/CAPACITIES					
Exterior (inches)		2.0	R-Spec	Turbo	
Wheelbase		104.3	104.3	104.3	
Overall Length		166.9	166.9	166.9	
Overall Width (excludes mirrors)		70.9	70.9	70.9	
Overall Height		55.1	55.1	55.1	
Track Width (front/rear) 17"		61.5/62.0	-/-	-/-	
Track Width (front/rear) 18"		61.0/61.5	61.0/61.5	61.0/61.5	
Track Width (front/rear) 19"		-	-	-	
Overhang		33.5/29.1	33.5/29.5	33.5/29.5	
Minimum Ground Clearance		5.6	5.6	5.6	
Coefficient of Drag (Cd)		0.32	0.32	0.32	
Interior (inches)		2.0	R-Spec	Turbo	
Head Room (front/rear) w/o sunroof		38.1/35.9			
Head Room (front/rear) w/ Wide sunroof		36.9/35.9			
Leg Room (front/rear)		42.6/34.1			
Shoulder Room (front/rear)		56.0/54.3			
Weights		2.0	R-Spec	Turbo	
Curb (lbs.)	M/T	2701-2,822	2,833-2,921	-	
	6A/T	2,734-2,855	-	-	
	7DCT	-	-	2,899-2,987	
GVWR (lbs.)	M/T	3,748	3,814	-	
	6A/T	3,748	-	-	
	7DCT	-	-	3,858	
8DCT					

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DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)			
Capacities		2.0	Turbo
Fuel Tank (gallons)		13.2	
Volume (cubic feet)		2.0	Turbo
Passenger Compartment		89.9	
Cargo, rear seats up		19.9	
Cargo, rear seats down		44.5	
Total		109.8	
Fuel Economy/EPA/Performance		2.0	Turbo
City / Highway / Combined	Manual Transmission	25/33/28	26/33/29
	Automatic / Dual Clutch Transmission	27/34/30	28/34/30
Smog score (Bin 125)		5	5
Global Warming Score		TBD	TBD
EPA Classification		Compact	Compact