

2020 Subaru Crosstrek® Hybrid

Specifications

Vehicle type	5-door, 5-passenger sport utility vehicle
Powertrain	Series-parallel plug-in hybrid system combining gasoline engine and two electric motor generators
Internal Combustion Engine	4-cyl. horizontally opposed (Boxer) gasoline engine with aluminum cylinder block and heads
Displacement	1,995 cc / 122 cu. in.
Bore x Stroke	3.31 in. x 3.54 in.
Compression ratio	13.5:1
Horsepower	137 @ 5,600 rpm
Torque	134 lb.-ft. @ 4,400 rpm
Fuel system	Direct fuel injection, electronic throttle control
Valvetrain	Double overhead chain-driven camshafts (DOHC), 4 valves per cylinder, Dual Active Valve Control System (DAVCS) controls valve timing on intake camshafts, tumble generator valves
Ignition	Direct
Hybrid battery	Lithium-ion: 8.8 kWh, 25.0 Ah; 351.5V
Charge time	@ 120V ~ 5 hours @ 240V ~ 2 hours
Drive motor inverter	650V output
AC charge port	Type 1 (SAE J1772)
PHEV Transmission	Lineartronic® CVT (continuously variable transmission) integrating two motor generators; includes X-MODE and Hill Descent Control; "B" range for engine braking slope control; air-cooled transmission oil cooler; SI-DRIVE performance management
Motor Generators	MG1 operates as power generator to charge and maintain the high-voltage hybrid battery. MG1 is also the starter motor and generator for the gasoline engine. MG2 supplies electrical drivetrain power output for the hybrid and electric vehicle (EV) driving modes. Also provides charging for the high-voltage hybrid battery during regenerative braking. MG2 output: 118.0 HP / 148.9 lb-ft of torque, 0-1,500 rpm.
Total system output	148 HP*
Final drive ratio	3.700:1
Symmetrical All-Wheel Drive	Active All-Wheel Drive using an electronic coupling multi-plate transfer clutch.
Stability/traction control	Vehicle Dynamics Control with all-wheel, all-speed traction control (TCS) and rollover sensor
Chassis	Unitized body construction, Ring-shaped Reinforcement Frame safety structure
Suspension	4-wheel independent, raised with Stablex dampers; tuned specifically for this model
Front	MacPherson-type struts, lower L-arms, coil springs, stabilizer bar; hydraulic engine mounts
Rear	Double wishbone, coil springs, stabilizer bar
Brakes	Electronically controlled power-assisted dual-diagonal brake system optimizes braking force between hybrid regenerative braking and the mechanical brakes. 4-wheel disc brakes with Electronic Brake-force Distribution

	(EBD) and 4-channel / 4-sensor ABS with Brake Assist and Brake Override safety systems 11.6-in. ventilated front discs and 11.2-in. ventilated rear discs and Active Torque Vectoring
Steering	Rack-and-pinion with electric power assist Ratio: 13.5:1 Turns, lock-to-lock: 2.6 Turning circle: 35.4 ft.
Wheels	18 x 7-in aluminum alloy
Tires	225/55R18 98H all-season, low-rolling resistance
Exterior Dimensions	
Wheelbase	104.9 in.
Length	175.8 in.
Width	71.0 in. (79.6 in. including mirrors)
Height	62.8 in. with roof rails
Min. road clearance	8.7 in.
Angle of approach	17.1 deg.
Angle of departure	28.6 deg.
Ramp breakover angle	19.3 deg.
Track (front/rear)	61.0/61.2 in.
Curb weight	3,717 lbs.
Towing capacity	1,000 lbs. (class 1); 100-lb. tongue capacity
Interior Dimensions	
Headroom (f/r)	39.8/37.4 in. With moonroof: 37.6/37.4 in.
Legroom (f/r)	43.1/36.7 in.
Hip room (f/r)	55.1/54.0 in.
Shoulder room (f/r)	56.7/55.6 in.
EPA passenger volume	100.7 cu. ft. With moonroof: 97.4 cu. ft.
Cargo liftover height	30.7 in.
Cargo volume	Rear seatbacks up/down: 15.9 cu. ft./43.1 cu. ft.
Max. load floor length	Rear seatbacks up/down: 28.9/63.1 in.
Fuel economy	
EV range	17 miles
EPA-estimated combined MPG / MPGe	35/90
Total Range	480 miles
Fuel tank capacity	13.2 gal.

*Estimated combined HP by manufacturer