

TECHNICAL SPECIFICATIONS

**POWER UNIT**

Sport Hybrid SH-AWD® power unit	Front wheels: mechanically independent from rear power unit components, two electric motors (Twin Motor Unit); rear wheels: twin-turbocharged V6 gasoline engine with one Direct Drive Motor and 9-speed DCT
Maximum total system power	600 hp
Maximum total system torque	492 lb.-ft.
<small>Horsepower includes the maximum power of the engine and all motors combined that can be produced at any one time. Not SAE net.</small>	
Approx. top speed	307 km/h

**ENGINE**

Type	Twin-turbocharged DOHC V6
Layout	Longitudinally mid-mounted
Horsepower	520 hp @ 6500-6850 rpm
Torque	443 lb.-ft. @ 2300-6000 rpm
Displacement	3493 cc
Bore and stroke	91.0 mm x 90.0 mm
Compression ratio	10.0:1
Maximum engine speed	7500 rpm
Power output per litre	149 hp/litre
Valve train	Chain drive, 24-valve, DOHC VTC®
Intake valve construction	Forged steel
Exhaust valve construction	Forged steel, sodium-filled
Valve angle	30 degrees (include angle)
Cylinder block and head material	Aluminum alloy
Cylinder bore lining	Plasma transferred wire arc thermal spray
Cylinder bank angle	75 degrees
Crankshaft construction	Forged steel
Piston construction	Cast aluminum with integrated cooling channel
Connecting rod construction	Forged steel, dowel pin
Fuel injection	Direct and port
Throttle control	Drive-by-Wire Throttle System™
Fuel requirement	Premium unleaded (93 octane recommended; 91 required)
Lubrication	Dry sump system with 6-rotor scavenge pump
Oil type	Synthetic 0W-40
Cooling system	Liquid and oil cooling
Exhaust system layout	Dual catalytic converter, dual path per bank

**TWIN TURBOCHARGERS**

Turbocharger type	Single scroll
Maximum boost pressure	111 kPa (1.11 bar) (16.1 psi)
Turbine construction	Inconel
Wastegate control	Electrical
Recirculation valves	Air bypass type
Intercooler dimensions	Width 232.2 mm; height 382 mm; thickness 64 mm

## REAR DIRECT DRIVE MOTOR

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Type	Water-cooled motor/generator
Layout	Direct drive situated between engine and transmission; crankshaft output shaft-attached permanent magnet rotor and in-engine body-copper windings
Horsepower	47 hp @ 3000 rpm
Torque	109 lb.-ft. @ 500-2000 rpm

## TRANSMISSION AND REAR AXLE

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Type	9-speed dual clutch transmission (9DCT)
1st-gear ratio	3.838
2nd	2.433
3rd	1.778
4th	1.428
5th	1.211
6th	1.038
7th	0.881
8th	0.747
9th	0.634
Reverse	2.395
Rear axle ratio	3.583
Limited slip differential – Wet multi plate	Torque bias ratio: Drive 2.0, Coast 2.6, 30N-m Pre load

## FRONT TWIN MOTOR UNIT (TMU)

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Type	Twin traction motor/generator, water-cooled
Layout	Independent, twin motors packaged back-to-back with a single clutch, gear-linked system
Horsepower	36 hp + 36 hp @ 4000 rpm
Torque	54 lb.-ft. + 54 lb.-ft. @ 0-2000 rpm

## ADDITIONAL POWER UNIT CONTROLS

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Integrated Dynamic System (IDS)	Four-mode system: Quiet, Sport, Sport+, Track
Hill Start Assist <sup>1</sup>	
Engine idle stop-start feature	

## BODY/SUSPENSION/CHASSIS

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Chassis type	Aluminum-intensive, multi material
Body/frame construction	Multi-material (primarily aluminum) space frame with aluminum and low-density SMC outer panels, and cast aluminum suspension mounting points
Ablation cast aluminum nodes	Complex high-performance aluminum castings for crush zones
Corrosion pre-treatment	Zirconium pre-treat material
A-Pillar structure	3-D bent and quenched ultra-high-strength steel (1500 Mpa)
Floor panel	Carbon fibre core
Front suspension type	Double-wishbone, double lower control arm; aluminum
Rear suspension type	Multi-link; aluminum

## BODY/SUSPENSION/CHASSIS (continued)

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Front brake calipers	Brembo 6-piston aluminum monoblock
Front brake rotor type	2-pc floating carbon ceramic disks with aluminum centre
Front brake rotor size	Carbon ceramic: 380 mm diameter x 33 mm thick
Rear brake calipers	Brembo 4-piston aluminum monoblock
Rear brake rotor type	2-pc floating carbon ceramic disks with aluminum centre
Rear brake rotor size	360 mm diameter x 33 mm thick
Steering type	Variable ratio rack and pinion; dual-pinion EPS
Steering wheel turns, lock-to-lock	1.91
Steering ratio	Variable progressive; range: 12.9:1 (on centre) to 11.07:1
Turning radius, curb-to- curb (m)	12.1
Front wheels	19" forged aluminum
Front tires	245/35ZR19
Rear wheels	20" forged aluminum
Rear tires	305/30ZR20
Spare tire	Tire Repair Kit (TRK)
Fuel tank layout	Twin fuel tanks mounted between the engine and IPU

## EXTERIOR DIMENSIONS

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Wheelbase	2628.9 mm
Length	4533.9 mm
Height	1214.12 mm
Width	2217.24 mm
Track (front/rear)	1663.7 mm/1638.3 mm
Ground clearance (full-load)	96.52 mm
Approach/departure angles	9.2°/12.9°

## CAPACITIES

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Fuel tank capacity	59 litres
Curb weight (without options)	1789.9 kg
Weight distribution (front/rear without options)	42%/58%

## INTERIOR DIMENSIONS

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Head room	972.8 mm
Hip room	1381.8 mm
Leg room	1089.7 mm
Shoulder room	1465.6 mm
Cargo volume (behind rear engine compartment)	110 litres
Passenger volume	1549 litres
Seating capacity	2

## ACTIVE SAFETY

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Anti-lock Braking System<sup>1</sup> (ABS) with Electronic Brake-force Distribution (EBD) and Brake Assist  
Multi-angle rearview camera<sup>1</sup> with dynamic guidelines  
Tire Pressure Monitoring System<sup>2</sup> (TPMS) with Tire Fill Assist and location and pressure indicators  
Vehicle Stability Assist (VSA®)<sup>1</sup> with Traction Control

## PASSIVE SAFETY

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Advanced front airbag system (SRS)  
Pelvis/thorax side airbags  
Driver's knee airbag  
One-row side curtain airbags with rollover sensor  
Upper tether for child seat on passenger side  
Seat belt e-pretensioner system  
Driver's and passenger's seat belt reminder

## DRIVER ASSIST TECHNOLOGY

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Cruise control  
Corner and backup sensors

## EXTERIOR

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Flush-mounted automatic power pop-out door handles  
Capless fueling system  
Radio antenna  
Acoustic front windshield  
Acoustic glass rear cabin window  
LED brake lights  
Variable intermittent windshield wipers  
Remote keyless smart entry system  
Side mirrors  
Security system  
Jewel Eye™ LED headlights with auto-on/off  
Body panels  
Roof panel

Integrated front windshield type  
Body-coloured, heated power-adjusting side mirrors with reverse gear tilt-down and integrated LED turn signal indicators  
Composite  
Exposed-weave carbon fibre

## COMFORT & CONVENIENCE

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Beverage holder  
Automatic air conditioning with air filtration system  
Pushbutton start  
Active Sound Control (ASC)  
Power windows with auto-up/down  
Power door locks  
Tilt and telescoping steering column (manual)  
Centre console and storage compartment

Two-cup holder unit that slides into a slot in the centre console on passenger side  
Multi-functional storage system

## COMFORT & CONVENIENCE (continued)

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Lockable glove compartment  
12-volt power outlet  
Power remote fuel filler door release  
Rear engine compartment window defroster with timer  
Cargo area light  
Cargo area tie-down anchors (4)  
Illuminated steering wheel-mounted audio, phone, Display Audio and cruise controls  
Dual-zone automatic climate control with humidity control and air-filtration system  
HomeLink® remote system<sup>3</sup>  
Frameless auto-dimming rearview mirror  
Leather-wrapped steering wheel  
LED interior ambient lighting  
Leather-trimmed instrument panel  
Leather-trimmed door panels  
Aluminum footrest and sport pedals  
Alcantara roof lining

## SEATING & TRIM

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Seats	Perforated leather and Alcantara-trimmed with 4-way power adjusters, 4-way power lumbar and 2-position memory
Seat leather	Semi-aniline leather standard; Semi-aniline full leather option
Heated seats	

## ENTERTAINMENT

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7" Display Audio with high-resolution WVGA electrostatic touch-screen and customizable feature settings  
ELS Studio® Premium Audio System with 9 speakers including subwoofer, auxilliary input jack and USB audio interface<sup>4</sup>  
HandsFreeLink™-Bluetooth® wireless mobile phone interface<sup>1,4</sup> with steering wheel-mounted controls  
Bluetooth® Streaming Audio<sup>4</sup>  
AcuraLink™<sup>1,4,5</sup> connectivity system  
SMS text message function<sup>4</sup>  
SiriusXM™<sup>6</sup>, available  
Pandora® compatibility  
Acura Navigation System with Voice Recognition™<sup>7</sup> and Honda HD Digital Traffic  
HD Radio™<sup>8</sup>  
Siri Eyes Free compatibility<sup>1,4</sup>  
Apple CarPlay™<sup>1,4</sup> / Android Auto™<sup>1,4</sup>

## INSTRUMENTATION

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Digital speedometer	TFT screen
Tachometer	TFT screen
Coolant temperature indicator	Analog gauge
Fuel level indicator	Analog gauge

## DYNAMIC TFT GAUGE CLUSTER

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8" colour TFT screen

Integrated Dynamics System-linked dynamic meters

Metre graphics colour change: Quiet-blue; Sport-white; Sport+ and Track-red

Average fuel economy indicator

Gear position indicator

Instant fuel economy indicator

Miles-to-empty indicator

Odometer and trip meters (2)

Exterior temperature indicator

Compass

Turn-by-turn directions

### FUEL ECONOMY<sup>9</sup> (L/100 KM)

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City/Hwy/Combined

To come

### FACTORY OPTIONS

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Performance 5-spoke forged aluminum alloy wheels

Gloss Berlina Black

SiriusXM™<sup>6</sup>

### EXTERIOR COLOURS

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Valencia Red Pearl

Nouvelle Blue Pearl

Casino White Pearl

Thermal Orange

Indy Yellow Pearl

Curva Red

130R White

Berlina Black

Long Beach Blue Pearl

Gotham Gray

### INTERIOR COLOURS

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Ebony

Red

Orchid

1. None of the features we describe are intended to replace the driver's responsibility to exercise due care while driving. Drivers should not use handheld devices or operate certain vehicle features unless it is safe and legal to do so. Some features have technological limitations. For more comprehensive product and feature information, limitations and restrictions, please visit [www.acura.ca/disclaimers](http://www.acura.ca/disclaimers) and refer to your vehicle's Owner's Manual.
2. For optimal tire wear and performance, the pressure should be checked regularly with a tire gauge. Do not rely solely on the monitor system.
3. HomeLink® can be programmed with codes of up to three remote-control devices (e.g., garage-door opener, home security system, etc.).
4. Only compatible with certain devices and operating systems. Operation may be dependent upon: 1. GPS satellite signal reception and available cellular data and/or voice connection; or 2. connection to vehicle's built-in Wi-Fi hotspot, if applicable. Associated charges (incl. data plans, roaming charges or other amounts charged by your wireless carrier) may apply.
5. Subscription required. The availability of certain cellular networks is required for AcuraLink to operate properly. Service interruptions may occur and/or vehicle system upgrades may be required if cellular network availability is compromised. Ask your dealer for full terms and conditions.
6. Only available in certain areas. Includes a no-charge trial of three months, beyond which service fees apply.
7. Map Database of the Acura Navigation System covers major metropolitan areas in Canada and the 48 contiguous U.S. states. For a list of current, detailed coverage areas, refer to the Acura website, [www.acura.ca](http://www.acura.ca).
8. Coverage varies by market.
9. Estimated fuel consumption based on Government of Canada's 5-cycle testing method. Your actual fuel consumption will vary based on driving habits and other factors – use for comparison only. For more information on 5-cycle testing, visit <http://vehicles.nrcan.gc.ca>.