



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 Horsepower includes the maximum power of the engine and all motors combined that can be produced at any one time. Not SAE net	573 hp
Approx. top speed	307 km/h

ENGINE

Type	Twin-turbocharged DOHC V6
Layout	Longitudinally mid-mounted
Horsepower	500 hp @ 6500–7500 rpm
Torque	406 lb.-ft. @ 2000–6000 rpm
Displacement	3493 cc
Bore and stroke	91.4 mm x 88.9 mm
Compression ratio	10.0:1
Maximum engine speed	7500 rpm
Power output per liter	143 hp/liter
Valve train	24 valve, IN/EX VTC, chain-driven camshafts
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
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

Horsepower and torque calculations reflect SAE net, Rev. 08/04, SAE J1349 procedures.

TWIN TURBOCHARGERS

Turbocharger type	Single vane
Maximum boost pressure	105 kPa (1.05 bar)
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

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

Horsepower and torque calculations reflect SAE net, Rev. 08/04, SAE J1349 procedures.

TRANSMISSION AND REAR AXLE

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)

Type	Twin traction motor/generator
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

Horsepower and torque calculations reflect SAE net, Rev. 08/04, SAE J1349 procedures.

ADDITIONAL POWER UNIT CONTROLS

Integrated Dynamic System (IDS)	Four-mode system: Quiet, Sport, Sport+, Track
Hill Start Assist ⁸	
Engine idle stop-start feature	

BODY/SUSPENSION/CHASSIS

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; world's first automotive application
Corrosion pre-treatment	Zirconium pre-treat material; environmentally friendly
A-Pillar structure	3-D bent and quenched ultra-high-strength steel (1500 Mpa); world's first application
Floor panel	Carbon fibre core
Front suspension type	Double-wishbone, double lower control arm; aluminum
Front dampers	Active Gen III magnetorheological coilovers
Front stabilizer bar	Hollow steel, 26.4 mm diameter x 3.3 mm wall thickness
Rear suspension type	Multi-link; aluminum

BODY/SUSPENSION/CHASSIS (continued)

Rear dampers	Active Gen III magnetorheological coilovers
Rear stabilizer bar	Hollow steel, 24.9 mm diameter x 3 mm wall thickness
Front brake calipers	Brembo 6-piston aluminum monoblock
Front brake rotor type	Base: 2-pc floating iron disks with aluminum centre Option: 2-pc floating carbon ceramic disks with aluminum centre
Front brake rotor size	Iron: 370 mm diameter x 33 mm thick Option: Carbon ceramic: 380 mm diameter x 33 mm thick
Rear brake calipers	Brembo 4-piston aluminum monoblock
Rear brake rotor type	Base: 2-pc floating iron disks with aluminum centre Option: 2-pc floating carbon ceramic disks with aluminum centre
Rear brake rotor size	360 mm diameter x 33 mm thick (both iron and carbon ceramic)
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 (ft)	39.7
Front wheels	19 x 8.5J forged aluminum
Front tires	245/35ZR20 93Y SOT
Rear wheels	20 x 11J forged aluminum
Rear tires	305/30ZR20 103Y SOT
Spare tire	Tire Repair Kit (TRK)
Fuel tank layout	Twin fuel tanks mounted between the engine and IPU

EXTERIOR DIMENSIONS

Wheelbase	2629 mm
Length	4470 mm
Height	1214 mm
Width	2217 mm
Track (front/rear)	1656 mm/1617 mm
Ground clearance – Non-load	94 mm
Approach/departure angles	9.2°/12.9°

CAPACITIES

Fuel tank capacity	59 litres
Curb weight (without options)	1725 kg
Weight distribution (front/rear without options)	42%/58%

INTERIOR DIMENSIONS

Head room	973 mm
Hip room	1384 mm
Leg room	1087 mm
Shoulder room	1463 mm
Cargo volume (behind rear engine compartment)	110 litres
Passenger volume	1246 litres
Seating capacity	2

ACTIVE SAFETY

Anti-lock Braking System[§] (ABS) with Electronic Brake-force Distribution (EBD) and Brake Assist
LED daytime running lights
Multi-angle rearview camera[§] with dynamic guidelines
Tire Pressure Monitoring System[‡] (TPMS) with Tire Fill Assist and location and pressure indicators
Vehicle Stability Assist (VSA[®])[§] with Traction Control

PASSIVE SAFETY

3-point seat belts with front automatic tensioning system
Driver's and passenger's seat-belt reminder
Single-stage driver, dual-stage passenger, multiple-threshold front airbags (SRS)
SmartVent™ side airbags
One-row side curtain airbags with rollover sensor
Upper tether for child seat on passenger-side

DRIVER ASSIST TECHNOLOGY

Cruise control
Auto high beam
Corner and backup sensors Option

EXTERIOR

Flush-mounted automatic power pop-out door handles	Auto pop out upon approach with keyless entry fob
Capless fueling system	
Radio antenna	Integrated front windshield type
Acoustic front windshield	
Acoustic glass rear cabin window	
LED brake lights	
Variable intermittent windshield wipers	
Remote keyless smart entry system	
Side mirrors	Body-coloured heated power-adjusting side mirrors with reverse gear tilt-down and integrated LED turn signal indicators; optional memory feature
Security system	
Jewel Eye™ LED headlights with auto-on/off	
Body panels	Composite
Roof panel	Aluminum or optional exposed weave carbon fibre

COMFORT & CONVENIENCE

Beverage holder	Two-cup holder unit that slides into a slot in the centre console on passenger side
Automatic air conditioning with air filtration system	
Pushbutton start	
Active Noise Cancellation (ANC)/Active Sound Control (ASC)	
Power windows with auto-up/down	
Power door locks	
Cruise control	
Tilt and telescoping steering column (manual)	
Centre console and storage compartment	Multi-functional storage system

COMFORT & CONVENIENCE (continued)

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)	Optional accessory cargo net
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***	
Frameless auto-dimming rearview mirror	
Leather-wrapped steering wheel	Available carbon fibre trim
LED interior ambient lighting	
Leather-trimmed instrument panel	
Leather-trimmed door panels	
Alcantara roof lining	Option

SEATING & TRIM

Seats	Perforated leather and Alcantara-trimmed with manual adjusters; optional 4-way power adjusters
Seat leather	Milano leather standard; semi-aniline leather option
Heated seats	

ENTERTAINMENT

7" Display Audio with high-resolution WVGA (800x480) electrostatic touch-screen and customizable feature settings	
Audio system	Standard audio system: ELS Studio Premium Audio System with 9 speakers, including subwoofer
HandsFreeLink™-Bluetooth® wireless mobile phone interface ^{§,**} with steering wheel-mounted controls	
Bluetooth® Streaming Audio**	
MP3/auxiliary input jack	
USB audio interface	2 USB ports in car: In glove box: 1.0 Amp charge capability and USB connection without Apple CarPlay™ and Android Auto™ connectivity In console box: 1.5 Amp charge capability and USB connection with Apple CarPlay™ and Android Auto™ connectivity
AcuraLink™ ^{§,**,Δ} connectivity system	Option
SMS text message function**	
SiriusXM™ [†]	Option
Pandora® compatibility	
Acura Navigation System with Voice Recognition™ ^{§,††} and Honda HD Digital Traffic	Option
HDMI® (High-Definition Multimedia Interface) input jack**	In rear console
HD Radio™	
Siri Eyes Free compatibility ^{§,**}	
Apple CarPlay™ ^{§,**} /Android Auto™ ^{§,**}	

INSTRUMENTATION

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

DYNAMIC TFT GAUGE CLUSTER

8" colour TFT screen	
Integrated Dynamics System-linked dynamic meters	Meter 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)	
Tire Pressure Monitoring System [†] (TPMS) with Tire Fill Assist and location and pressure indicators	
Exterior temperature indicator	
Compass	
Turn-by-turn directions	
Customizable feature settings	

FACTORY OPTIONS

Carbon fibre exterior Sport Package	Carbon fibre front spoiler, side sills, rear diffuser; dark chrome exhaust finisher
Carbon fibre engine cover	
Carbon fibre roof	
Carbon ceramic brake rotors	Includes choice of black, red or silver brake calipers
Carbon fibre rear spoiler	
Exclusive interwoven aluminum alloy wheels	Choice of machined, painted or polished finish
Technology Package	Includes Navigation, AcuraLink, front and rear parking sensors
Technology Package with SiriusXM™ [†]	Same as above and adds SiriusXM™
Interior carbon fibre Sport Package	Includes carbon fibre meter visor and steering wheel garnish, aluminum foot rest and sport pedals
Alcantara headliner	Black

EXTERIOR COLOURS

Valencia Red Pearl
Nouvelle Blue Pearl
Casino White Pearl
Source Silver Metallic
Nord Gray Metallic
Curva Red
130R White
Berlina Black

INTERIOR COLOURS

Ebony
Saddle
Red
Seacoast

- § 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 and refer to your vehicle's Owner's Manual
- † Only available in certain areas. Includes a no-charge trial of three months, beyond which service fees apply.
- ‡ For optimal tire wear and performance, tire pressure should be checked regularly with a gauge. Do not rely solely on the monitor system. The system cannot monitor the pressure of the spare tire.
- ** Only compatible with certain devices and operating systems. Devices, cables and adapters are not included and must be purchased separately. Cellular data and/or voice charges may apply, including roaming charges and/or other amounts charged by your wireless carrier.
- *** HomeLink® can be programmed with codes of up to three remote-control devices (e.g., garage-door opener, home security system, etc.). Additional control devices not provided by Acura may be required.
- △ Subscription required. One-year complimentary subscription to AcuraLink Standard, AcuraLink Connect, and AcuraLink Premium included, after which fees, taxes and other charges will apply in order to continue subscription. 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.
- ‡‡ 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.