

# TECHNICAL SPECIFICATIONS

## POWER UNIT

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<b>Sport Hybrid SH-AWD Power Unit</b>	Front wheels: mechanically independent from rear power unit components, two electric motors (Twin Motor Unit); Rear wheels: Twin-turbocharged V-6 gasoline engine with one Direct Drive Motor and 9-speed DCT
<b>Maximum Total System Power</b>	573 hp
<b>Maximum Total System Torque</b>	476 lb.-ft
<b>Approx. Top Speed</b>	191 mph

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## ENGINE

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<b>Type</b>	Twin-turbocharged DOHC V6
<b>Layout</b>	Longitudinally mid-mounted
<b>Displacement</b>	3493 cc
<b>Horsepower – SAE Net</b>	500 hp @ 6500 – 7500 rpm
<b>Torque (Nm)</b>	406 lb.-ft. (550) @ 2000 – 6000 rpm
<b>Maximum Engine Speed</b>	7500 rpm
<b>Power Output Per Liter</b>	143 hp/liter
<b>Bore and Stroke</b>	3.6 in. x 3.5 in.
<b>Compression ratio</b>	10.0:1
<b>Valve Train</b>	24 Valve, IN/EX VTC, chain-driven camshafts
<b>Intake Valve Construction</b>	Forged steel
<b>Exhaust Valve Construction</b>	Forged steel, sodium-filled
<b>Valve Angle</b>	30 degrees
<b>Cylinder Block and Head Material</b>	Aluminum alloy

<b>Cylinder Bore Lining</b>	Plasma transferred wire arc thermal spray
<b>Cylinder Bank Angle</b>	75 degrees
<b>Crankshaft Construction</b>	Forged steel
<b>Piston Construction</b>	Cast aluminum with integrated cooling channel
<b>Connecting Rod Construction</b>	Forged steel, dowel pin
<b>Fuel Injection</b>	Direct and port
<b>Throttle Control</b>	Drive-by-Wire™ throttle system
<b>Fuel Requirement</b>	Premium unleaded
<b>Lubrication</b>	Dry sump system with 6-rotor scavenge pump
<b>Oil Type</b>	Synthetic 0W-40
<b>Cooling system</b>	Liquid and oil cooling
<b>Exhaust System Layout</b>	Dual catalytic converter, dual path per bank

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## TWIN TURBOCHARGERS

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<b>Turbocharger Type</b>	Single scroll
<b>Maximum Boost Pressure</b>	105 kPa (1.05 bar) (15.23 psi)
<b>Turbine Construction</b>	Inconel
<b>Wastegate Control</b>	Electrical
<b>Recirculation Valves</b>	Air bypass type
<b>Intercooler Dimensions</b>	Width: 232.2 mm Height: 382 mm Thickness: 64 mm

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## DIRECT DRIVE MOTOR

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<b>Type</b>	Water-cooled motor/generator
<b>Layout</b>	Direct drive situated between engine & transmission; Crankshaft output shaft-attached permanent magnet rotor & in-engine body-copper windings

**Horsepower @ rpm**

47 @ 3000

**Torque @ rpm**

109 lb.-ft. @ 500 – 2000

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## **TRANSMISSION & REAR AXLE**

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<b>Type</b>	9-Speed Dual Clutch Transmission (9DCT)
<b>1st Gear ratio</b>	3.838
<b>2nd</b>	2.433
<b>3rd</b>	1.778
<b>4th</b>	1.428
<b>5th</b>	1.211
<b>6th</b>	1.038
<b>7th</b>	0.881
<b>8th</b>	0.747
<b>9th</b>	0.634
<b>Reverse</b>	2.395
<b>Rear Axle Ratio</b>	3.583
<b>Limited Slip Differential – Wet Multi Plate</b>	Torque bias ratio: Drive 2.0, Coast 2.6, 30N-m Pre load

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## **FRONT TWIN MOTOR UNIT (TMU)**

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<b>Type</b>	Water cooled motor/generator
<b>Layout</b>	Independent, twin motors packaged back-to-back with a single clutch, gear-linked system
<b>Horsepower @ rpm</b>	36 + 36 @ 4000
<b>Torque @ rpm</b>	54 + 54 lb.-ft. @ 0 – 2000

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## ADDITIONAL POWER UNIT CONTROLS

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### Integrated Dynamics System

Four-mode system:

Quiet

Sport

Sport Plus

Track

### Hill Start Assist

### Idle-Stop System

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## 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 Node

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 fiber core

### Front Suspension Type

Double-wishbone, double joint lower control arm; aluminum construction

### Front Dampers

Active Gen III magnetorheological coilovers assemblies

### Front Stabilizer Bar

Hollow steel, 1.04 in. diameter x 0.13 in. wall thickness

### Rear Suspension Type

Multi-link; aluminum construction

### Rear Dampers

Active Gen III magnetorheological coilovers

### Rear Stabilizer Bar

Hollow steel; 0.98 in. diameter x 0.12 in. wall thickness

### Front Brake Calipers

Brembo® 6-piston Aluminum mono block

### Front Brake Rotor Type

**Base:** 2-Pc Floating Iron Disks w/ Aluminum center  
**Option:** 2-Pc Floating Carbon Ceramic Disks w/ Aluminum center

<b>Front Brake Rotor Size</b>	Iron: 14.5 in. diameter x 1.3 in. thick Carbon ceramic: 15 in. diameter x 1.3 in. thick
<b>Rear Brake Calipers</b>	Brembo® 4-piston Aluminum mono block
<b>Rear Brake Rotor Type</b>	<b>Base:</b> 2-Pc Floating Iron Disks w/ Aluminum center <b>Option:</b> 2-Pc Floating Carbon Ceramic Disks w/ Aluminum center
<b>Rear Brake Rotor Size</b>	14.2 in. dia. X 1.3 in. thick (both iron and carbon ceramic)
<b>Steering Type</b>	Variable ratio rack & pinion; Dual-pinion EPS
<b>Steering Wheel Turns, Lock-to-Lock</b>	1.91
<b>Steering Ratio</b>	Variable progressive; Range: 12.9:1 (on center) to 11.07:1
<b>Turning diameter, Curb-to-Curb</b>	39.7 ft.
<b>Front Wheels</b>	19x8.5J Forged Aluminum
<b>Front Tires</b>	245/35ZR19 93Y high-performance summer tires <b>Option:</b> ultimate handling performance tires
<b>Rear Wheels</b>	20x11J Forged Aluminum
<b>Rear Tires</b>	305/30ZR20 103Y high-performance summer tires <b>Option:</b> ultimate handling performance tires
<b>Spare Tire</b>	Tire Repair Kit
<b>Fuel Tank Layout</b>	Twin fuel tanks mounted between the engine and IPU

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## EXTERIOR DIMENSIONS

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<b>Wheelbase</b>	103.5 in.
<b>Length</b>	176 in.
<b>Height</b>	47.8 in.
<b>Width</b>	87.3 in.
<b>Track (front/rear)</b>	65.2 in. / 63.7 in.
<b>Ground Clearance</b>	3.7 in.
<b>Approach/Departure Angles</b>	9.2° / 12.9°

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## CAPACITIES AND WEIGHTS

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<b>Fuel Tank Capacity</b>	15.6 gal
<b>Curb Weight (without options)</b>	3,803 lb.
<b>Weight Distribution (front / rear without options)</b>	42% / 58%

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## INTERIOR DIMENSIONS

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<b>Seating Capacity</b>	2
<b>Headroom</b>	38.3 in.
<b>Legroom</b>	42.8 in.
<b>Shoulder Room</b>	57.6 in.
<b>Hip Room</b>	54.5 in.
<b>Cargo Volume (behind rear engine compartment)</b>	4.4 cu.ft.
<b>Passenger Volume</b>	44.0 cu.ft.

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## EPA MILEAGE RATINGS FUEL

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<b>EPA Fuel Economy Ratings</b>	21 city / 22 hwy. / 21 comb.
<b>Fuel Type</b>	Premium unleaded (93 octane recommended; 91 required)

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## ACTIVE SAFETY FEATURES

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**Vehicle Stability Assist™ (VSA®) with Traction Control**

**Anti-Lock Braking System (ABS)**

**Electronic Brake Distribution (EBD)**

**Multi-Angle Rearview Camera with Dynamic Guidelines**

**Tire Pressure Monitoring System (TPMS) with Location and Pressure Indicators**

**Brake Assist**

**LED Daytime Running Lights (DRL)**

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## **PASSIVE SAFETY FEATURES**

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**Single-Stage Driver, Dual-Stage Passenger, Multiple-Threshold Front Airbags (SRS)**

**Front Side Airbags**

**One-Row Side Curtain Airbags with Rollover Sensor**

**3-Point Seat Belts with Automatic Tensioning System**

**Upper Tether for Child Seat on Passenger-Side**

**Driver's and Passenger's Seat-Belt Reminder**

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## **DRIVER ASSISTIVE FEATURES**

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**Cruise Control**

**Corner and Backup Sensors**

Available as part of Technology Package

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## **EXTERIOR FEATURES**

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**Flush-mounted automatic power pop-out door handles** Auto pop out upon approach with keyless entry fob

**Capless Fuel Filler**

**Radio Antenna**

Integrated front windshield type

**Acoustic Windshield**

**Acoustic Glass Rear Cabin Window**

**LED Brake Lights**

**Variable Intermittent Wipers**

## **Remote keyless Smart Entry system**

### **Side Mirrors**

Body-colored power heated with reverse auto tilt-down and integrated LED turn indicators; Optional memory feature

### **Security System**

### **Headlamps**

Acura Jewel Eye® LED type with Auto-On/Off

### **Body Panels**

Composite

### **Roof Panel**

Aluminum or optional exposed-weave carbon fiber

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## **INTERIOR & COMFORT / CONVENIENCE**

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### **Beverage Holder**

Two-cup holder unit that slides into a slot in the center console on passenger side

### **Automatic Air Conditioning with air filtration system**

### **Push Button Start**

### **Active Sound Control (ASC)**

### **Power Windows with Auto-Up/Down**

### **Power Door Locks**

### **Cruise Control**

### **Tilt and Telescopic Steering Column (manual)**

### **Center Console Storage**

Multi-functional storage system

### **Lockable Glove Compartment**

### **12-Volt Power Outlet**

### **Power Remote Fuel Filler Door Release**

### **Rear Engine Compartment Window Defroster w/ Timer**

### **Cargo Area Light**

### **Cargo Area Tie-Down Anchors (4 Total)**

Optional accessory cargo net

### **Illuminated Steering Wheel-Mounted Controls**

Cruise / Audio / Phone / Display Audio / MID info



## Dual-Zone Automatic Climate Control System with Humidity Control and Air Filtration

HomeLink® Remote System

Frameless Automatic-Dimming Rearview Mirror

Leather-Wrapped Steering Wheel

Available carbon fiber trim

LED Interior Ambient Lighting

Leather-Trimmed Instrument Panel

Leather-Trimmed Door Panels

Alcantara® Roof Lining

Optional

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## SEATS

Seats

Perforated leather and Alcantara®-trimmed with manual adjusters; Optional 4-way power adjusters with 4-way power lumbar and 2-position memory

Seat Leather

Milano leather standard; Semi-aniline leather option

Heated Seats

Available with power seats

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## AUDIO & TECHNOLOGY

7-Inch Display Audio with High-Resolution WVGA (800x480) Electrostatic Touch-Screen and Customizable Feature Settings

Audio System

Standard Audio system: 8 speakers, including subwoofer  
**Option:** ELS Studio® Premium Audio system: 9 speakers, including subwoofer

Bluetooth® HandsFreeLink

Bluetooth® Streaming Audio

MP3/Auxiliary Input Jack

MP3/Auxiliary Input Jack

USB Audio Interface

2 USB ports in car (In glove box) 1.0 Amp charge capability & USB connection without Apple CarPlay™ & Android Auto™ connectivity (In console box) 1.5 Amp charge capability & USB connection with Apple CarPlay

& Android Auto connectivity

**AcuraLink® Next Generation**

Option

**SMS Text Message Function**

**SiriusXM® Radio**

Option

**Pandora® Compatibility**

**Acura Satellite-Linked Navigation System™ with Voice Option  
Recognition and Honda HD Digital Traffic**

**HD Radio™**

**Siri Eyes Free**

**Android Auto™**

**Apple CarPlay™**

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## INSTRUMENTATION

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**Digital Speedometer**

TFT Screen

**Tachometer**

TFT Screen

**Coolant Temperature Indicator**

Analog gauge

**Fuel Level Indicator**

Analog gauge

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## DYNAMIC TFT GAUGE CLUSTER

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**4.2-Inch Color TFT Screen**

8-Inch Color TFT Screen

**Integrated Dynamics System-linked Dynamic Meters**

Meter Graphics Color:  
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**

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## **EXTERIOR COLORS**

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**Curva Red**

**Berlina Black**

**130R White**

**Source Silver Metallic**

**Casino White Pearl**

**Nord Gray Metallic**

**Valencia Red Pearl**

**Nouvella Blue Pearl**

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## **INTERIOR COLORS (All exterior colors are available with all interior colors)**

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**Ebony**

**Orchid**

**Saddle**

**Red**

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## **FACTORY OPTIONS**

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**Carbon Fiber Exterior Sport Package**

Carbon fiber front spoiler, side sills, rear diffuser; Dark

chrome exhaust finisher

**Carbon Fiber Engine Cover**

**Carbon Fiber Roof**

**Carbon Ceramic Brake Rotors**

Includes choice of black, red or silver brake calipers

**Carbon Fiber Rear Spoiler**

**Exclusive Interwoven Aluminum Alloy Wheels**

Choice of machined, painted or polished finish

**Technology Package – ELS Studio® Audio System**

Includes 9 speakers, Navigation, AcuraLink, front and rear parking sensors

**Technology Package – ELS Studio® Audio with SiriusXM Satellite Radio**

Same as above and adds XM Satellite radio

**Interior Carbon Fiber Sport Package**

Includes carbon fiber meter visor and steering wheel garnish, aluminum foot rest and sport pedals

**Alcantara® Headliner**

Black

\*Specifications are not final. All information subject to change without notification.