

2024 Lucid Air Sapphire

Technical Specifications

Powertrain and Charging

Drivetrain layout	Front drive unit: Permanent-Magnet Electric, single motor Rear drive unit: Permanent-Magnet Electric, twin motors Three-Motor All-Wheel Drive	
Transmission	Single-speed (gear ratio 7:1 (front) and 6.8:1 (rear))	
Power (total)	hp	1,234
Torque (total)	Nm	1,940
Battery capacity	kWh	118 (22 module)
Platform architecture	900V+	
DC charge power	Up to 300 kW	

Performance¹

Acceleration ²		
0 – 100 km/h	sec	2.0
Quarter-mile	sec	8.95
Top Speed	km/h	330

Efficiency

Range, Estimated³

20" front / 21" rear wheels	km	748
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Efficiency

20" front / 21" rear wheels	kWh /100 km	TBC
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¹ Extreme speeds should only be achieved on a closed course by experienced and responsible drivers with the full permission of all relevant parties. Lucid does not condone racing or speeding on public roads

² Equipped with largest available wheels on prepared track surface.

³ Range and battery power vary with temperature, driving habits, charging and battery condition and actual results will vary. (With Wheel Covers)

Chassis, Suspension, and Tires

Front Suspension	Aluminum-intensive virtual axis double wishbone. High strength steel coil springs, hollow anti roll bar. Adaptive dampers with independent compression and rebound control at 500Hz (unique calibrations for driving modes).
Rear Suspension	Aluminum-intensive multi-link. High strength steel coil springs and anti roll bar. Adaptive dampers with independent compression and rebound control at 500Hz (unique calibrations for driving modes).
Steering Type	Electrically-assisted rack and pinion, 13.0:1 on-center ratio, 2.2 turns lock-to-lock (unique calibrations for driving modes).
Brake Rotors and Calipers	Front: 420-mm (16.5-inch) Ventilated Disc (Carbon Ceramic), 10-Piston Rear: 390-mm (15.4-inch) Ventilated Disc (Carbon Ceramic), 4-Piston
Brake System	4-wheel anti-lock braking system (ABS) with Electronic Brake Force Distribution, Traction Control, Stability Control, Torque Vectoring By Braking. Electrically-assisted brake booster (hydraulically-linked, not brake-by-wire). One calibration for Smooth, Swift, and Sapphire modes and another for Track modes.
Powertrain Controls	User-switchable 3 mode Lucid Stability Control (changes ABS, Traction Control, Stability Control, Torque Vectoring By Braking calibrations). Accelerator pedal-actuated regenerative braking via motors. Full torque vectoring via motors (front/rear and left/right).
Tires	
20/21" wheels (standard)	Michelin Pilot Sport 4S, Summer, Lucid-specific compound and construction Front: 265/35R20 / Rear: 295/30R21

Exterior

Wheelbase	mm	2960.0
Length	mm	5003.8
Width (with/without mirrors)	mm	2195.7 / 1988.8
Height	mm	1408.5
Track (front/rear)	mm	1663.0 / 1689.0
Turning circle, curb-to-curb	m	12.0
Curb weight	kg	2,420

Interior

Headroom – Aluminum roof (front/rear)	mm	1006.4 / 961.1
Leg room (front/rear)	mm	1153.7 / 954.0
Shoulder room (front/rear)	mm	1480.7 / 1385.1
Passenger volume	L	2851.6

Cargo

Cargo room - Frunk	L	283.4
Cargo room - Trunk	L	627.0
Total cargo volume (Frunk + Trunk)	L	910.4