

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 (908 kW)
Torque (total)	lb-ft	1,430 (1940 Nm)
Battery capacity	kWh	118 (22 module)
Platform architecture		900V+
DC charge power	kW	Up to 300

Performance

Acceleration*		
0 - 60 mph	sec	1.89
0 - 100 mph	sec	3.84
Quarter-mile	sec	8.95 @ 158 mph
Top speed	mph	205

Efficiency

Range, EPA-estimated [†]		
20" front / 21" rear wheels	mi	427
Efficiency		
20" front / 21" rear wheels	mi/kWh	3.61
	MPGe	City 108 / Hwy 101 / Comb 105

* 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.

[†] Range and battery power vary with temperature, driving habits, charging and battery condition and actual results will vary.

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 Carbon Ceramic Disc, 10-Piston Rear: 390-mm (15.4-inch) Ventilated Carbon Ceramic Disc, 4-Piston
Brake System	4-wheel anti-lock braking system (ABS) with Electronic Brake Force Distribution, Traction Control, Stability Control. 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 calibrations). Accelerator pedal-actuated regenerative braking via motors.
Tires	Full torque vectoring via motors (front/rear and left/right).
20/21" wheels (standard)	Michelin Pilot Sport 4S, Summer, Lucid-specific compound and construction Front: 265/35R20 / Rear: 295/30R21

Exterior

Wheelbase	in	116.5
Length	in	197.0
Width (with/without mirrors)	in	86.4 / 78.3
Height	in	55.4
Track (front/rear)	in	66.9 / 65.9
Turning circle, curb-to-curb	ft	40.3
Curb weight	lbs	5,336

Interior

Headroom – Aluminum roof (front/rear)	in	39.6 / 37.8
Leg room (front/rear)	in	45.4 / 36.6
Shoulder room (front/rear)	in	58.3 / 54.5
Passenger volume	cu ft	98.7

Cargo

Cargo room - Frunk	cu ft	10.0
Cargo room - Trunk	cu ft	22.1
Total cargo volume (Frunk + Trunk)	cu ft	32.1